

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072221\  
 Data File : VD069803.D  
 Acq On : 22 Jul 2021 11:09  
 Operator : VA/SY  
 Sample : VSTDIC020  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VSTDIC020

Manual Integrations  
 APPROVED

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Quant Time: Jul 23 04:28:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072221S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 04:26:30 2021  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----						
Internal Standards						
1) Pentafluorobenzene	7.979	168	576294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1023039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	978811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	466302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	138283	20.864	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	41.720%#
35) Dibromofluoromethane	7.909	113	137436	21.310	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	42.620%#
50) Toluene-d8	10.338	98	519753	20.901	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	41.800%#
62) 4-Bromofluorobenzene	12.626	95	174217	20.962	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	41.920%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	129779	21.395	ug/l	96
3) Chloromethane	2.209	50	183909	20.901	ug/l	98
4) Vinyl Chloride	2.344	62	190713	20.607	ug/l	92
5) Bromomethane	2.750	94	115520	19.057	ug/l	100
6) Chloroethane	2.909	64	124771	20.800	ug/l #	86
7) Trichlorofluoromethane	3.268	101	230238	20.152	ug/l	95
8) Diethyl Ether	3.709	74	63077	19.628	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	148905	20.522	ug/l	99
10) Methyl Iodide	4.297	142	116648	18.400	ug/l	99
11) Tert butyl alcohol	5.226	59	34139m	99.651	ug/l	
12) 1,1-Dichloroethene	4.062	96	130347	19.769	ug/l	99
13) Acrolein	3.921	56	50277	104.725	ug/l	96
14) Allyl chloride	4.715	41	185069	19.144	ug/l	100
15) Acrylonitrile	5.426	53	151925	100.497	ug/l	97
16) Acetone	4.162	43	114728	95.822	ug/l	90
17) Carbon Disulfide	4.403	76	485565	20.596	ug/l	98
18) Methyl Acetate	4.715	43	71045	20.451	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	262667	19.227	ug/l	98
20) Methylene Chloride	4.962	84	212897	19.523	ug/l	98
21) trans-1,2-Dichloroethene	5.468	96	156630	20.159	ug/l	97
22) Diisopropyl ether	6.367	45	434026	20.661	ug/l	98
23) Vinyl Acetate	6.303	43	953612	94.738	ug/l	96
24) 1,1-Dichloroethane	6.262	63	291532	20.093	ug/l	99
25) 2-Butanone	7.215	43	160121	98.615	ug/l	98
26) 2,2-Dichloropropane	7.203	77	212282	19.241	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	166071	20.031	ug/l	97
28) Bromochloromethane	7.544	49	122418	22.222	ug/l	96
29) Tetrahydrofuran	7.562	42	102067	97.163	ug/l	97
30) Chloroform	7.709	83	294976	20.221	ug/l	97
31) Cyclohexane	7.985	56	252180	19.473	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	242700	20.100	ug/l	99
36) 1,1-Dichloropropene	8.109	75	225118	20.391	ug/l	99
37) Ethyl Acetate	7.285	43	78137	19.441	ug/l	97
38) Carbon Tetrachloride	8.097	117	200140	19.846	ug/l	99
39) Methylcyclohexane	9.350	83	243983	19.296	ug/l	96
40) Benzene	8.350	78	647843	20.255	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	46537	23.207	ug/l	89
42) 1,2-Dichloroethane	8.420	62	173560	20.518	ug/l	100
43) Isopropyl Acetate	8.450	43	140823	19.536	ug/l	97
44) Trichloroethene	9.109	130	158370	20.106	ug/l	99
45) 1,2-Dichloropropane	9.385	63	172266	20.505	ug/l	99
46) Dibromomethane	9.473	93	85522	20.709	ug/l	97
47) Bromodichloromethane	9.656	83	219119	20.422	ug/l	100
48) Methyl methacrylate	9.456	41	70171	20.235	ug/l	100
49) 1,4-Dioxane	9.461	88	17184	393.851	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	377388	100.609	ug/l	98
52) Toluene	10.397	92	391213	20.163	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	180404	20.031	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	215279	19.744	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	118735	20.356	ug/l	99
56) Ethyl methacrylate	10.656	69	122939	19.250	ug/l	94
57) 1,3-Dichloropropane	10.944	76	198701	20.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	254924	93.183	ug/l	99
59) 2-Hexanone	10.979	43	246589	99.385	ug/l	97
60) Dibromochloromethane	11.132	129	133797	20.254	ug/l	97
61) 1,2-Dibromoethane	11.244	107	109248	20.802	ug/l	100
64) Tetrachloroethene	10.873	164	124555	19.963	ug/l	93
65) Chlorobenzene	11.667	112	407584	20.099	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	147529	20.223	ug/l	97
67) Ethyl Benzene	11.738	91	704152	19.723	ug/l	100
68) m/p-Xylenes	11.850	106	566858	40.957	ug/l	100
69) o-Xylene	12.173	106	251055	19.953	ug/l	98
70) Styrene	12.191	104	450574	20.663	ug/l	98
71) Bromoform	12.355	173	72276	20.401	ug/l #	100
73) Isopropylbenzene	12.473	105	652486	19.475	ug/l	99
74) N-amyl acetate	12.279	43	129397	18.776	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	134929	20.166	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	92401m	25.381	ug/l	
77) Bromobenzene	12.755	156	148324	19.656	ug/l	98
78) n-propylbenzene	12.814	91	853656	19.838	ug/l	99
79) 2-Chlorotoluene	12.897	91	499191	19.971	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	571907	19.954	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	31710	19.409	ug/l	97
82) 4-Chlorotoluene	12.997	91	529600	20.266	ug/l	100
83) tert-Butylbenzene	13.214	119	446523	19.162	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	563128	19.916	ug/l	100
85) sec-Butylbenzene	13.391	105	726837	19.731	ug/l	99
86) p-Isopropyltoluene	13.508	119	586747	19.605	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	314020	19.821	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	312258	19.775	ug/l	99
89) n-Butylbenzene	13.832	91	561366	19.006	ug/l	99
90) Hexachloroethane	14.102	117	124864	19.696	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	271903	19.885	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	19064	19.787	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	140536	19.049	ug/l	98
94) Hexachlorobutadiene	15.255	225	87107	19.301	ug/l	99
95) Naphthalene	15.385	128	238072	18.078	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	124011	19.437	ug/l	98

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 ALS Vial : 2 Sample Multiplier: 1

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 MSVOA\_D  
**ClientSampleId :**  
 VSTDIC020

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Quant Time: Jul 23 04:28:36 2021  
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 Quant Title : SW846 8260  
 QLast Update : Fri Jul 23 04:26:30 2021  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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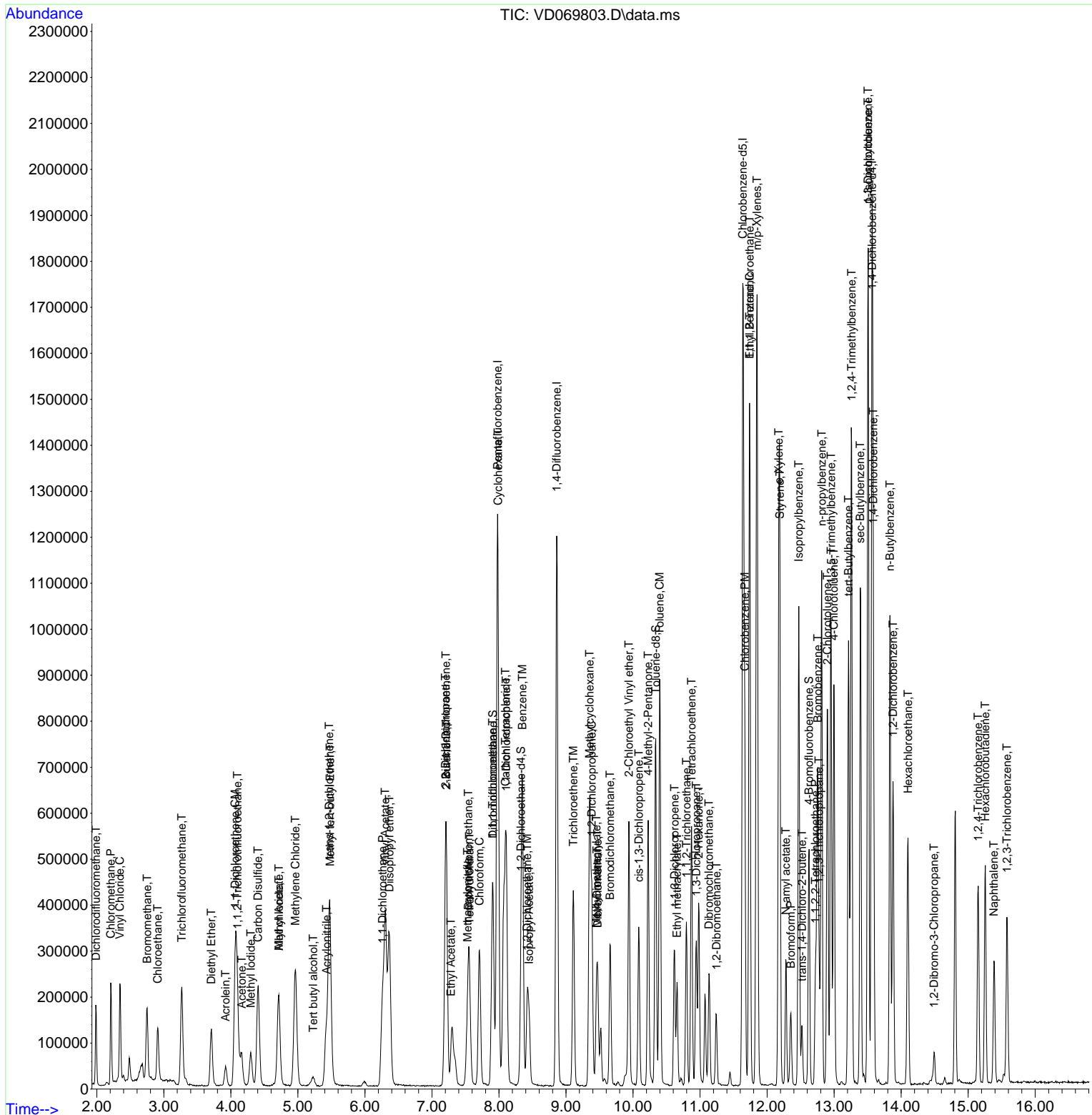
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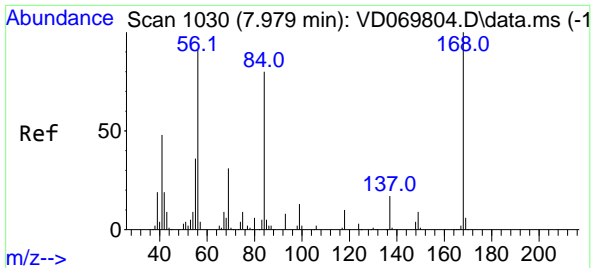
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD072221\  
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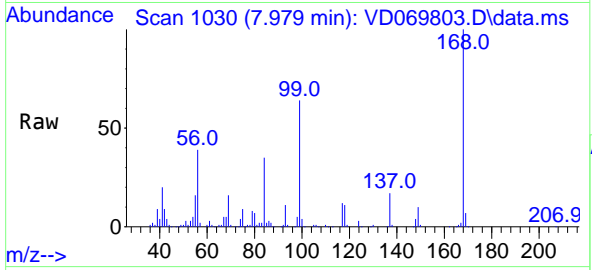
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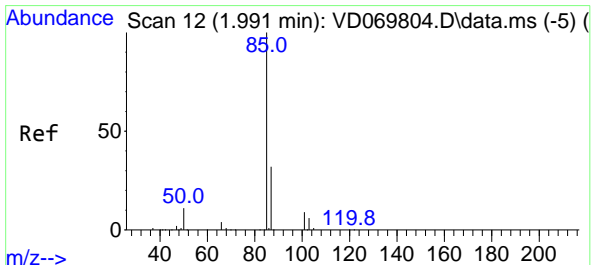
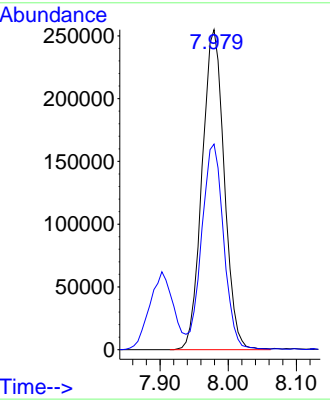
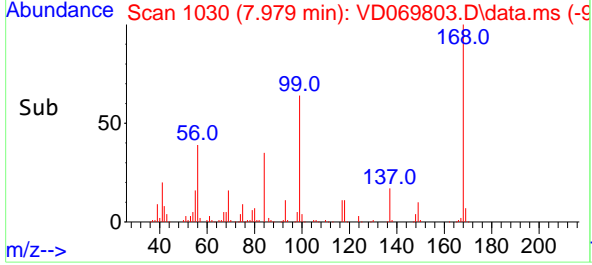
#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.979 min Scan# 1030  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
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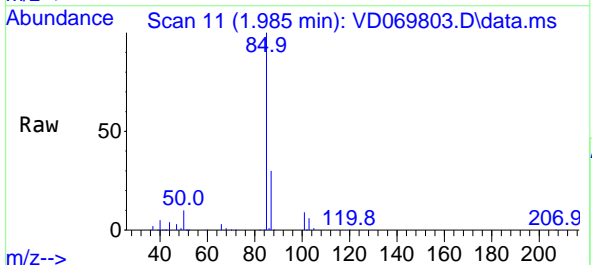


Tgt Ion:168 Resp: 576294  
 Ion Ratio Lower Upper  
 168 100  
 99 64.0 51.1 76.7

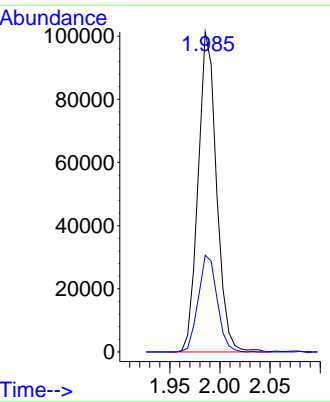
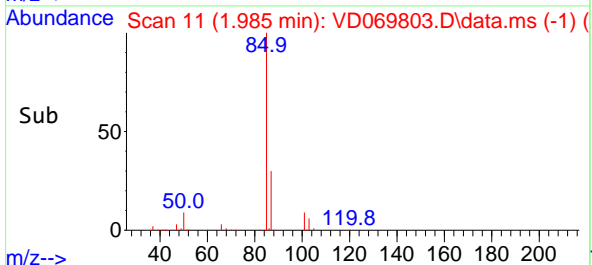
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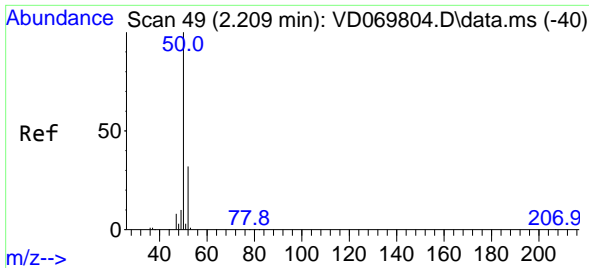


#2  
 Dichlorodifluoromethane  
 Concen: 21.395 ug/l  
 RT: 1.985 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
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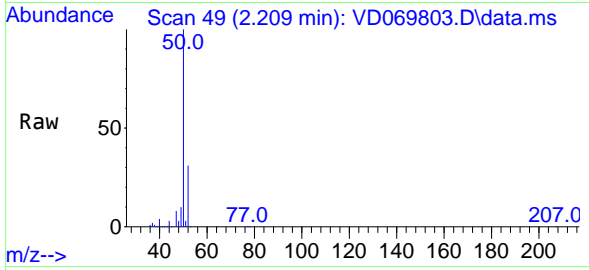
Tgt Ion: 85 Resp: 129779  
 Ion Ratio Lower Upper  
 85 100  
 87 30.2 16.1 48.3





#3  
 Chloromethane  
 Concen: 20.901 ug/l  
 RT: 2.209 min Scan# 49  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

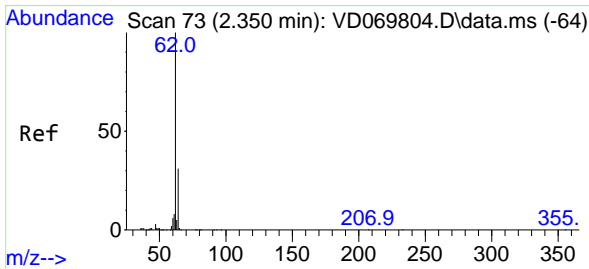
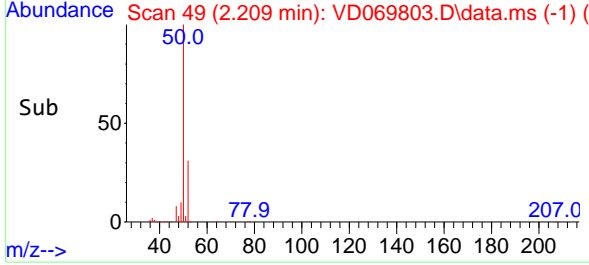
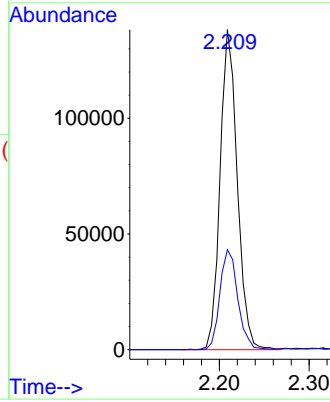
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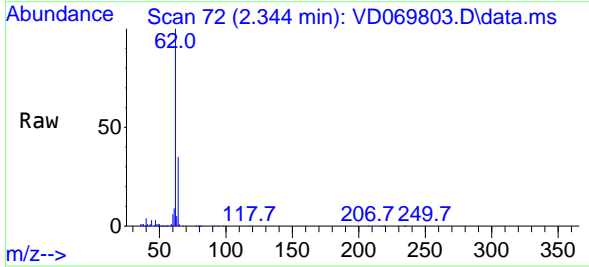
Tgt Ion: 50 Resp: 183909  
 Ion Ratio Lower Upper  
 50 100  
 52 31.3 25.7 38.5

Manual Integrations  
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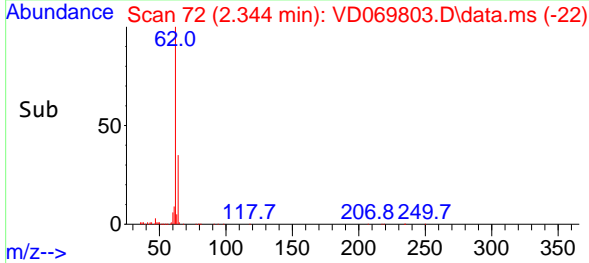
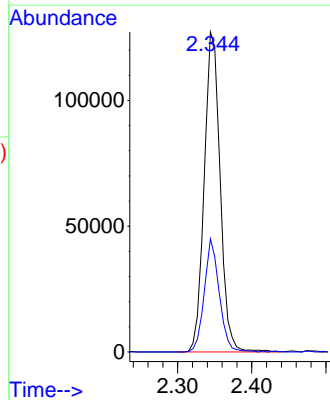
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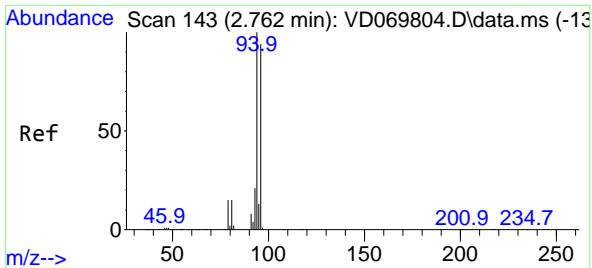


#4  
 Vinyl Chloride  
 Concen: 20.607 ug/l  
 RT: 2.344 min Scan# 72  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



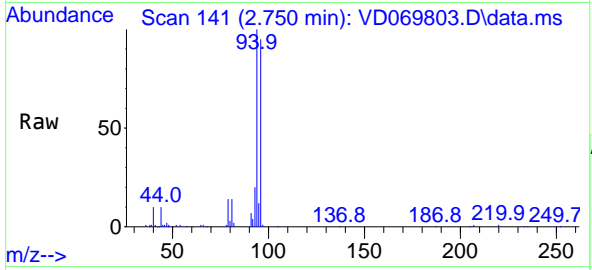
Tgt Ion: 62 Resp: 190713  
 Ion Ratio Lower Upper  
 62 100  
 64 35.3 25.0 37.4





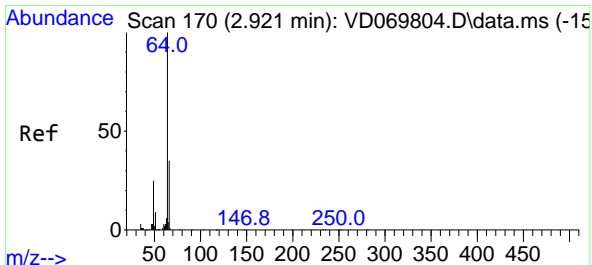
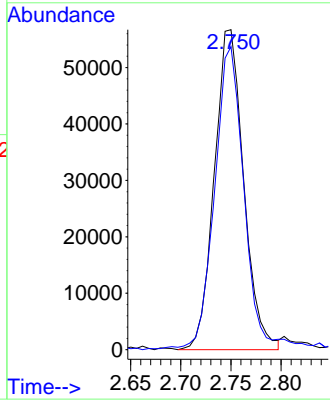
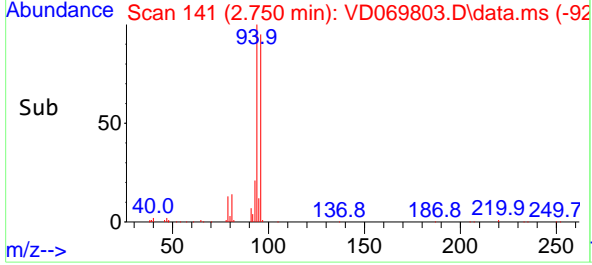
#5  
 Bromomethane  
 Concen: 19.057 ug/l  
 RT: 2.750 min Scan# 141  
 Delta R.T. -0.012 min  
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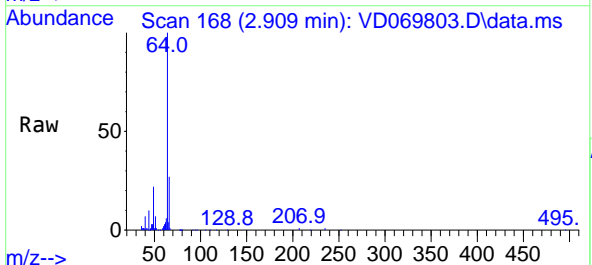


Tgt Ion: 94 Resp: 115520  
 Ion Ratio Lower Upper  
 94 100  
 96 94.0 74.8 112.2

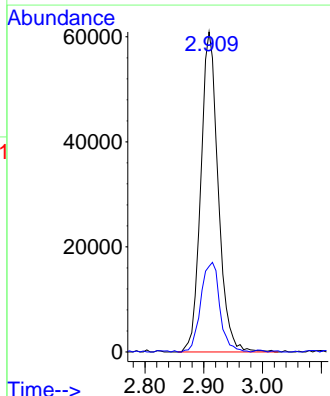
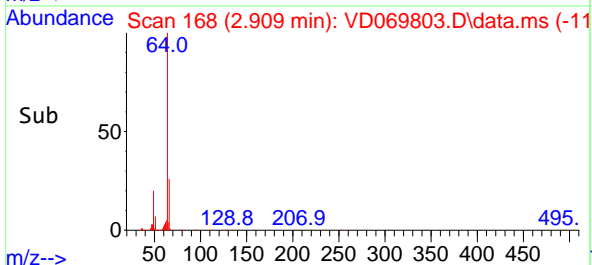
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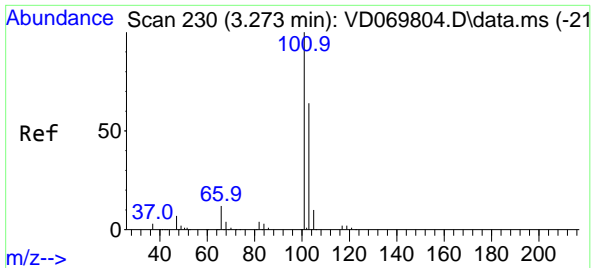


#6  
 Chloroethane  
 Concen: 20.800 ug/l  
 RT: 2.909 min Scan# 168  
 Delta R.T. -0.012 min  
 Lab File: VD069803.D  
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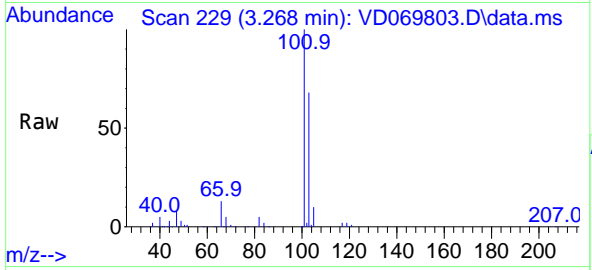
Tgt Ion: 64 Resp: 124771  
 Ion Ratio Lower Upper  
 64 100  
 66 26.7 27.8 41.6#





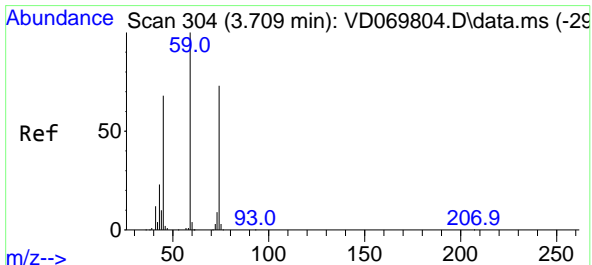
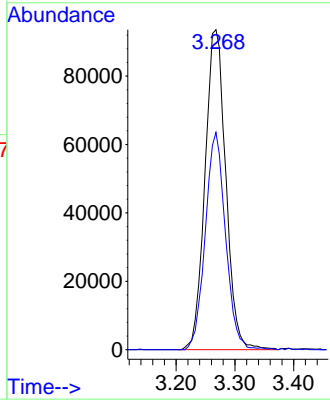
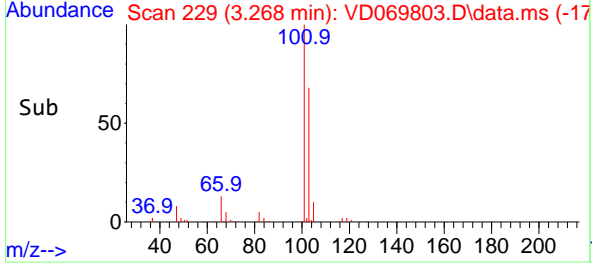
#7  
 Trichlorofluoromethane  
 Concen: 20.152 ug/l  
 RT: 3.268 min Scan# 229  
 Delta R.T. -0.006 min  
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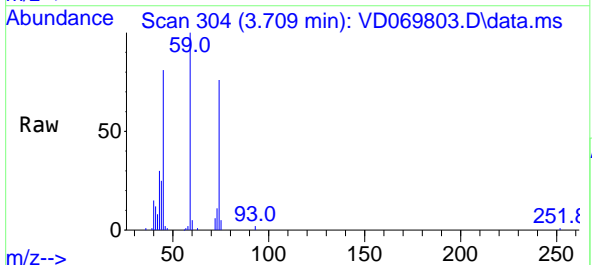


Tgt Ion: 101 Resp: 230238  
 Ion Ratio Lower Upper  
 101 100  
 103 67.9 51.3 76.9

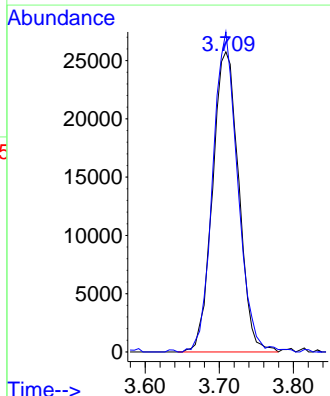
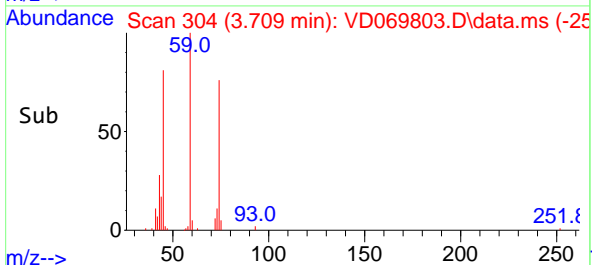
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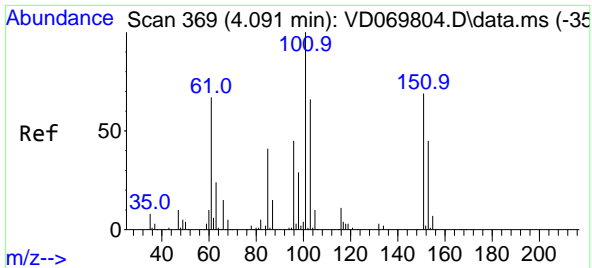
#8  
 Diethyl Ether  
 Concen: 19.628 ug/l  
 RT: 3.709 min Scan# 304  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
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Tgt Ion: 74 Resp: 63077  
 Ion Ratio Lower Upper  
 74 100  
 45 102.2 46.8 140.4

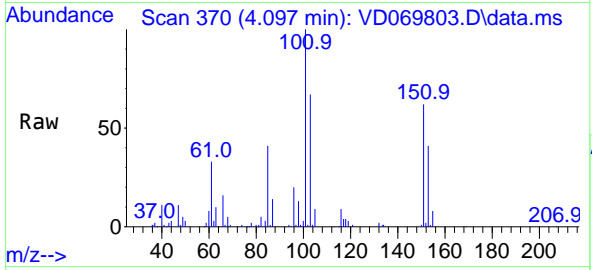






#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 20.522 ug/l  
 RT: 4.097 min Scan# 370  
 Delta R.T. 0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

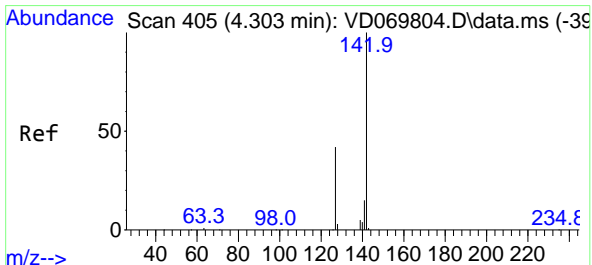
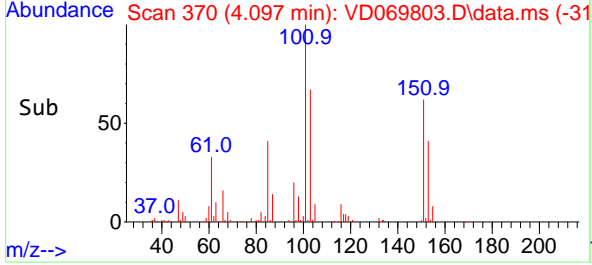
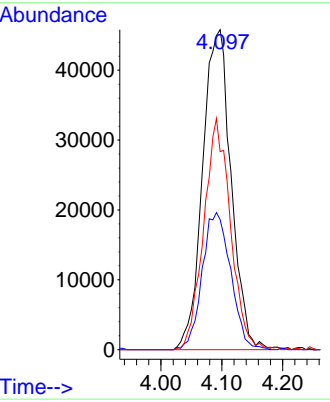
**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020



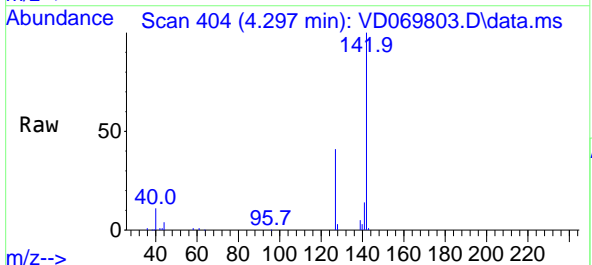
Tgt Ion:101 Resp: 148905

Ion	Ratio	Lower	Upper
101	100		
85	42.9	34.7	52.1
151	67.8	55.4	83.0

**Manual Integrations**  
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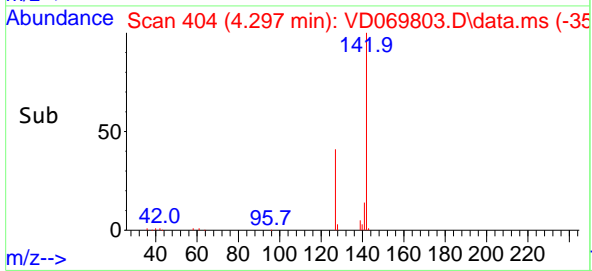
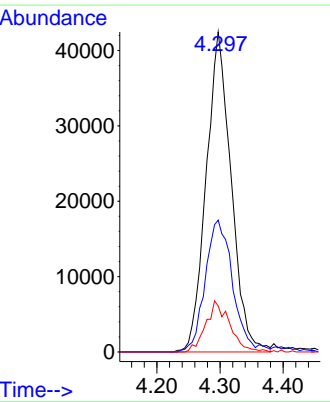


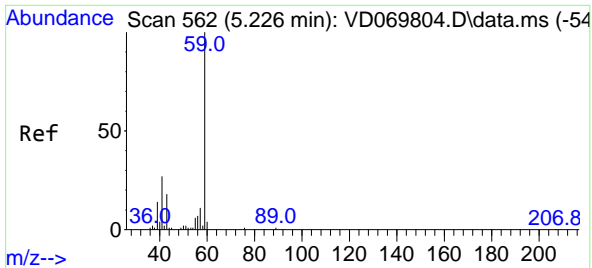
#10  
 Methyl Iodide  
 Concen: 18.400 ug/l  
 RT: 4.297 min Scan# 404  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion:142 Resp: 116648

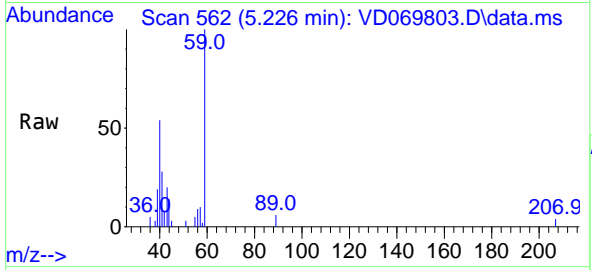
Ion	Ratio	Lower	Upper
142	100		
127	45.4	35.7	53.5
141	15.3	12.0	18.0





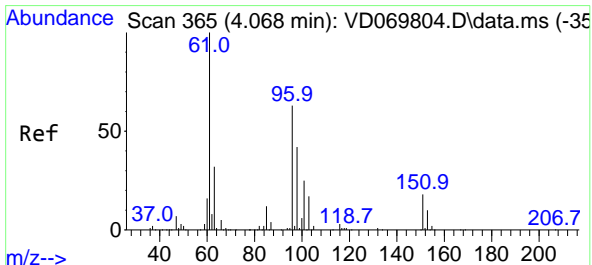
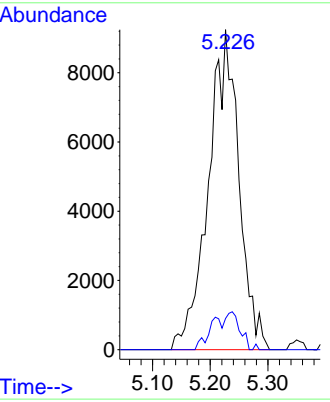
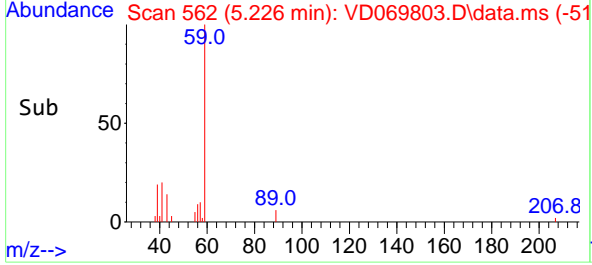
#11  
 Tert butyl alcohol  
 Concen: 99.651 ug/l m  
 RT: 5.226 min Scan# 562  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020

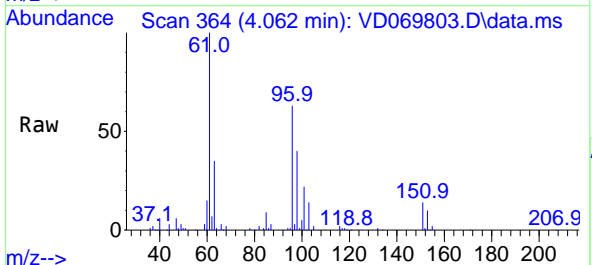


Tgt Ion: 59 Resp: 34139  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.1 12.1#

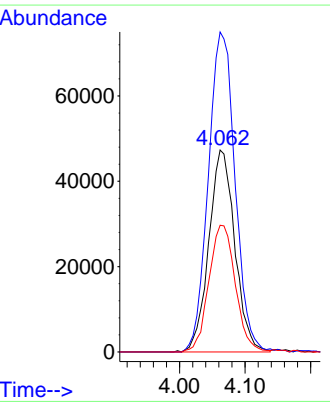
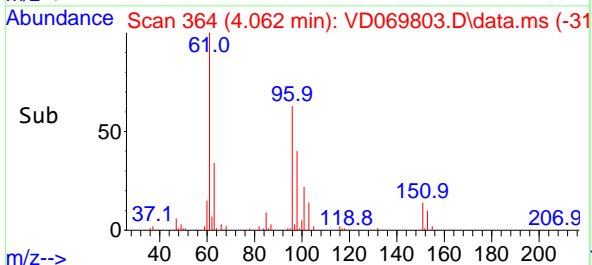
**Manual Integrations**  
**APPROVED**  
 MMDadoda  
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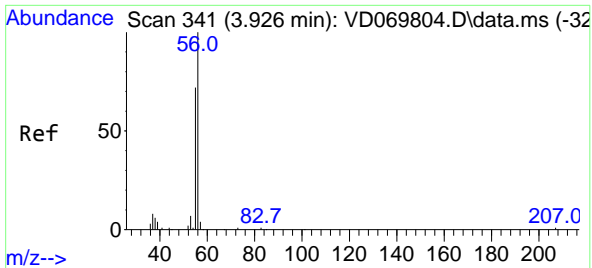


#12  
 1,1-Dichloroethene  
 Concen: 19.769 ug/l  
 RT: 4.062 min Scan# 364  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



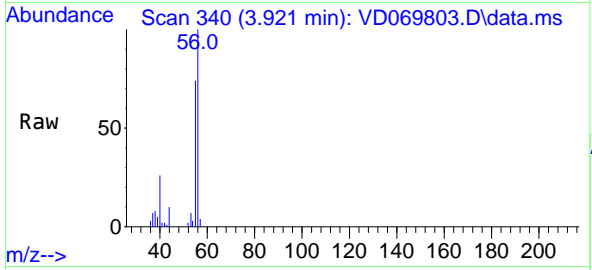
Tgt Ion: 96 Resp: 130347  
 Ion Ratio Lower Upper  
 96 100  
 61 158.5 126.9 190.3  
 98 62.8 53.2 79.8





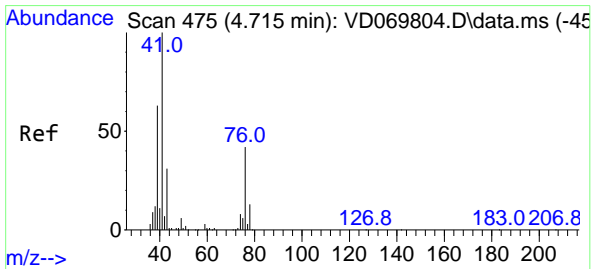
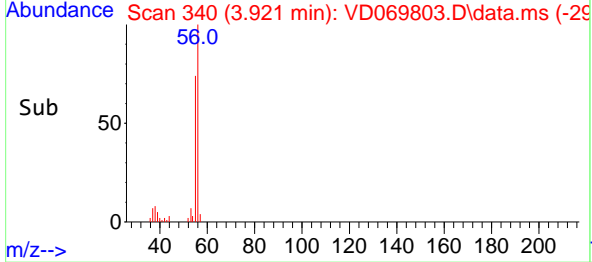
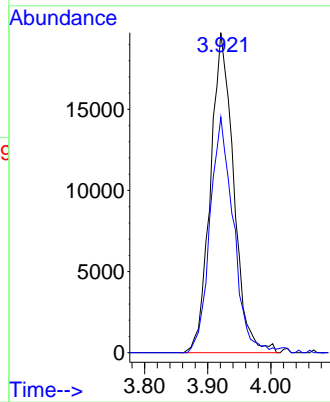
#13  
 Acrolein  
 Concen: 104.725 ug/l  
 RT: 3.921 min Scan# 340  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**Client Sampled :**  
 VSTDIC020

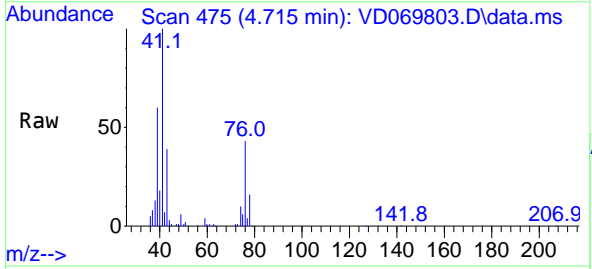


Tgt Ion: 56 Resp: 50277  
 Ion Ratio Lower Upper  
 56 100  
 55 74.5 57.2 85.8

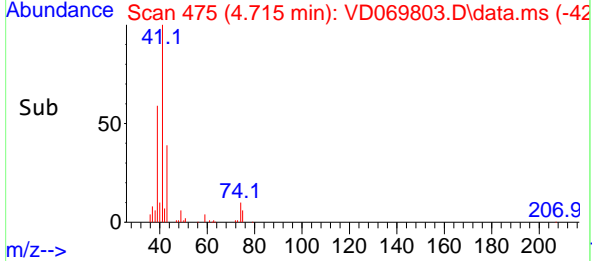
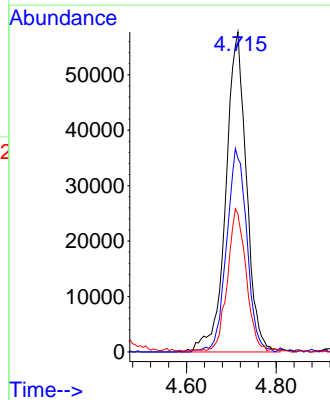
**Manual Integrations**  
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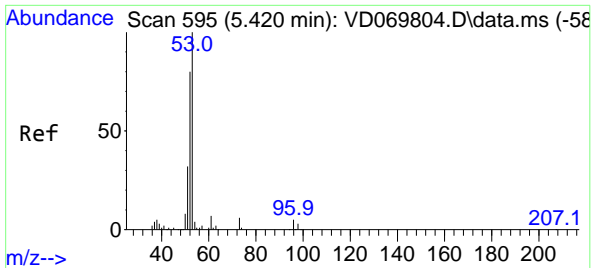


#14  
 Allyl chloride  
 Concen: 19.144 ug/l  
 RT: 4.715 min Scan# 475  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



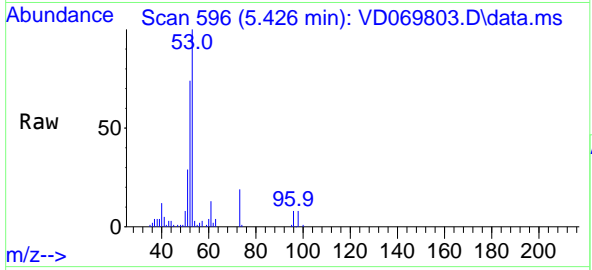
Tgt Ion: 41 Resp: 185069  
 Ion Ratio Lower Upper  
 41 100  
 39 62.4 49.8 74.6  
 76 39.3 31.8 47.8





#15  
 Acrylonitrile  
 Concen: 100.497 ug/l  
 RT: 5.426 min Scan# 596  
 Delta R.T. 0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

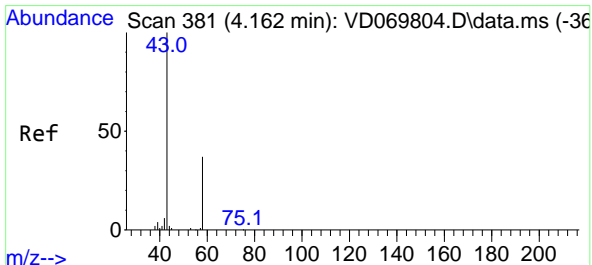
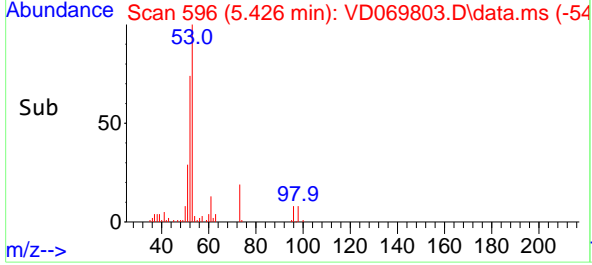
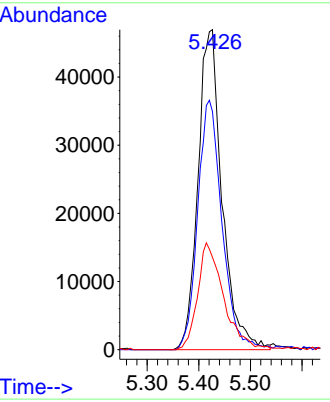
**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020



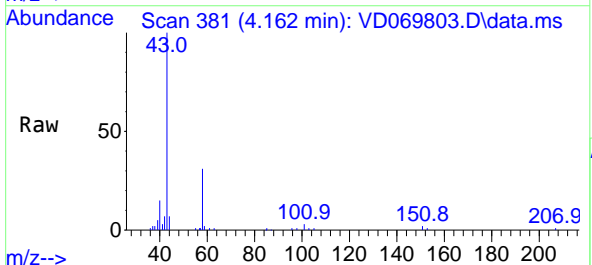
Tgt Ion: 53 Resp: 151925

Ion	Ratio	Lower	Upper
53	100		
52	78.9	65.3	97.9
51	36.2	28.3	42.5

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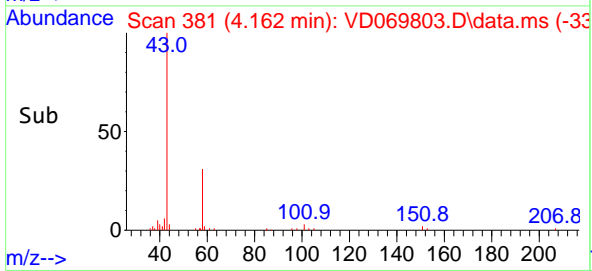
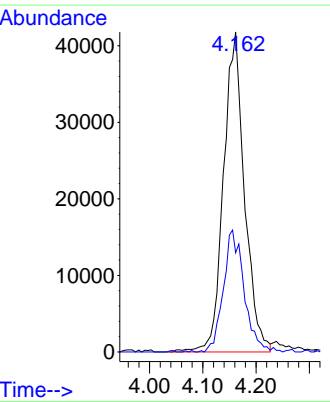


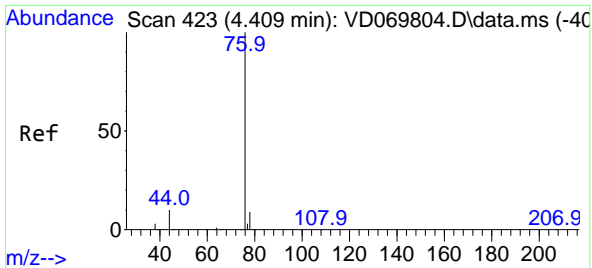
#16  
 Acetone  
 Concen: 95.822 ug/l  
 RT: 4.162 min Scan# 381  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion: 43 Resp: 114728

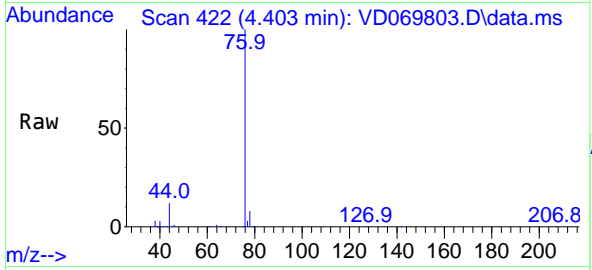
Ion	Ratio	Lower	Upper
43	100		
58	30.7	29.4	44.0





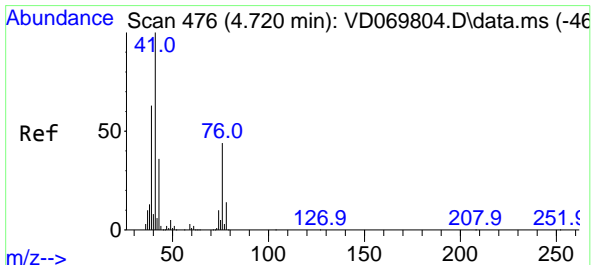
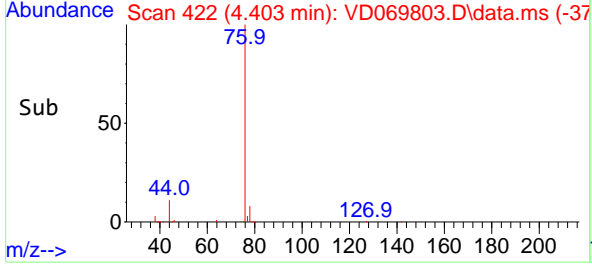
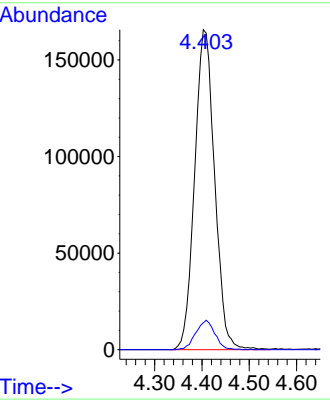
#17  
 Carbon Disulfide  
 Concen: 20.596 ug/l  
 RT: 4.403 min Scan# 422  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020

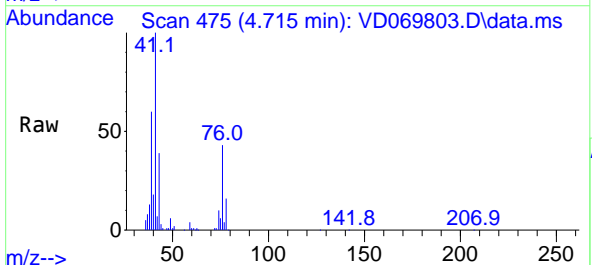


Tgt Ion: 76 Resp: 485565  
 Ion Ratio Lower Upper  
 76 100  
 78 8.4 7.3 10.9

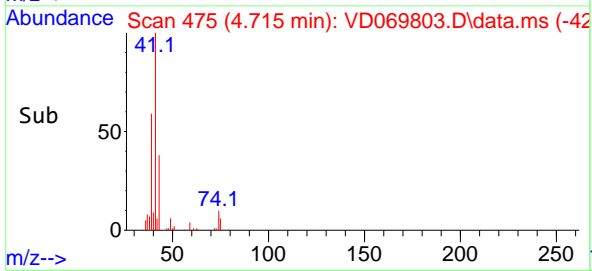
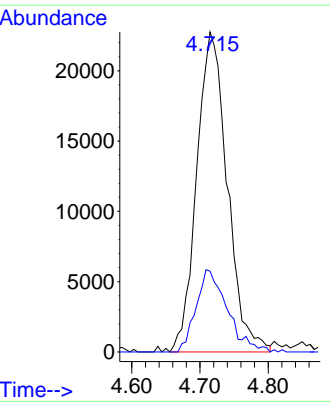
**Manual Integrations**  
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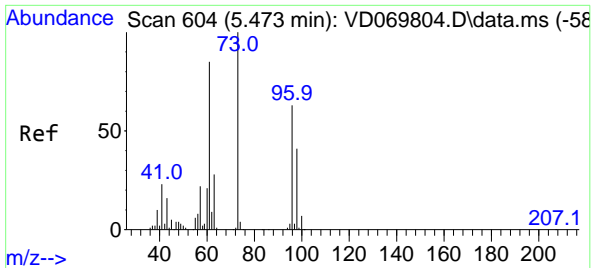


#18  
 Methyl Acetate  
 Concen: 20.451 ug/l  
 RT: 4.715 min Scan# 475  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



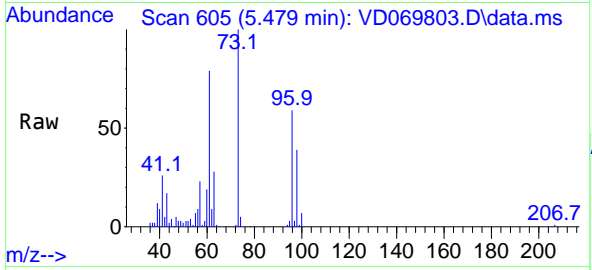
Tgt Ion: 43 Resp: 71045  
 Ion Ratio Lower Upper  
 43 100  
 74 26.3 21.4 32.2





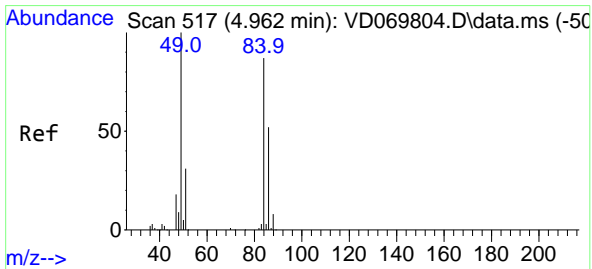
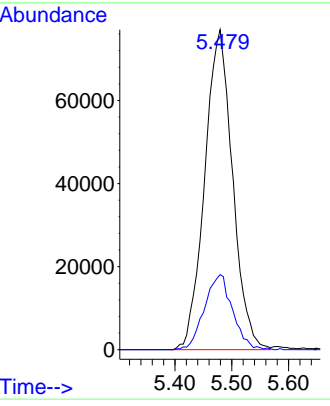
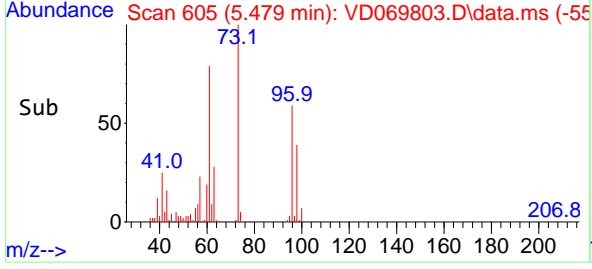
#19  
Methyl tert-butyl Ether  
Concen: 19.227 ug/l  
RT: 5.479 min Scan# 605  
Delta R.T. 0.006 min  
Lab File: VD069803.D  
Acq: 22 Jul 2021 11:09

Instrument :  
MSVOA\_D  
ClientSampled :  
VSTDIC020

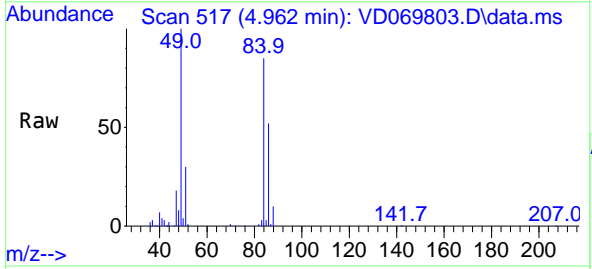


Tgt Ion: 73 Resp: 262667  
Ion Ratio Lower Upper  
73 100  
57 23.5 17.8 26.8

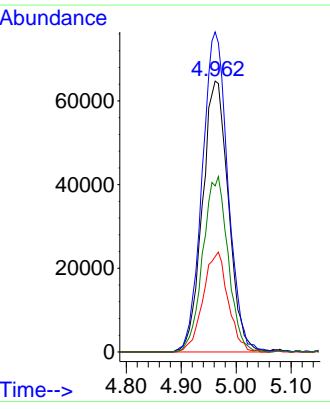
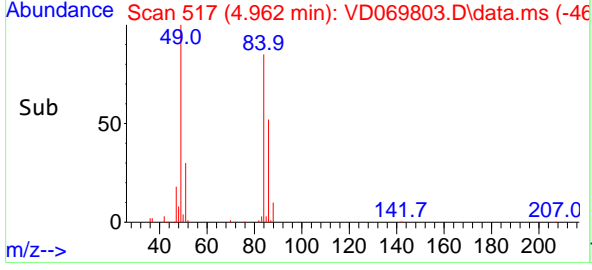
Manual Integrations  
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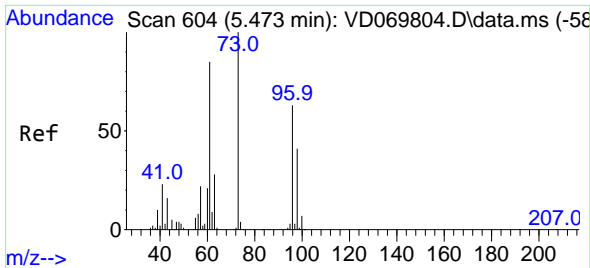


#20  
Methylene Chloride  
Concen: 19.523 ug/l  
RT: 4.962 min Scan# 517  
Delta R.T. 0.000 min  
Lab File: VD069803.D  
Acq: 22 Jul 2021 11:09



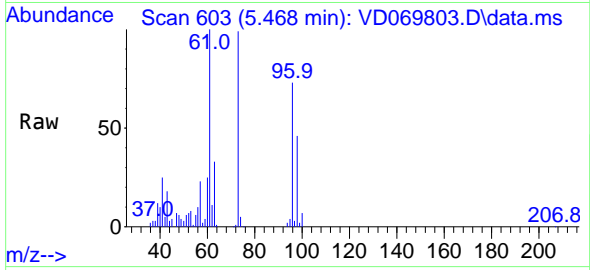
Tgt Ion: 84 Resp: 212897  
Ion Ratio Lower Upper  
84 100  
49 118.2 92.4 138.6  
51 35.2 28.5 42.7  
86 61.3 48.2 72.4





#21  
 trans-1,2-Dichloroethene  
 Concen: 20.159 ug/l  
 RT: 5.468 min Scan# 603  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

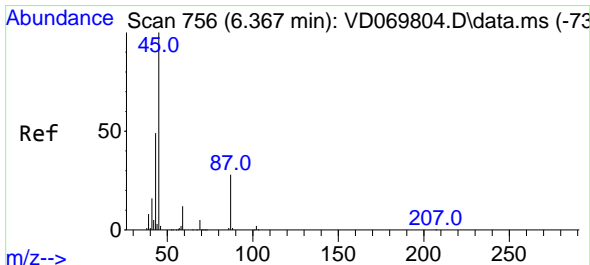
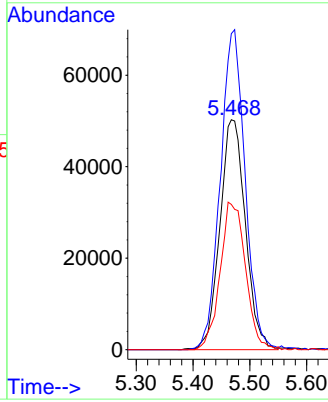
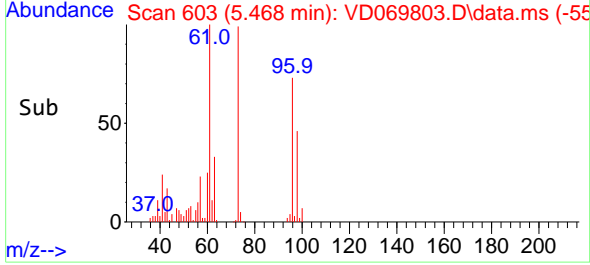
**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020



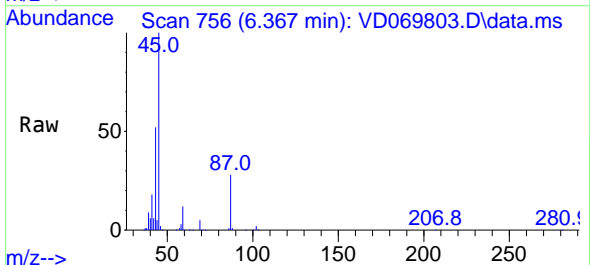
Tgt Ion: 96 Resp: 156630  

Ion	Ratio	Lower	Upper
96	100		
61	137.4	107.0	160.6
98	63.2	52.3	78.5

**Manual Integrations**  
**APPROVED**  
 MMDadoda  
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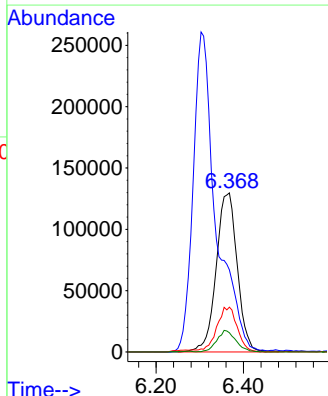
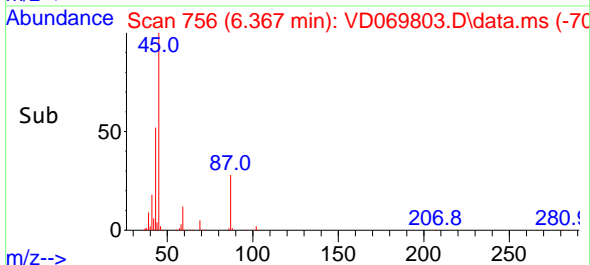


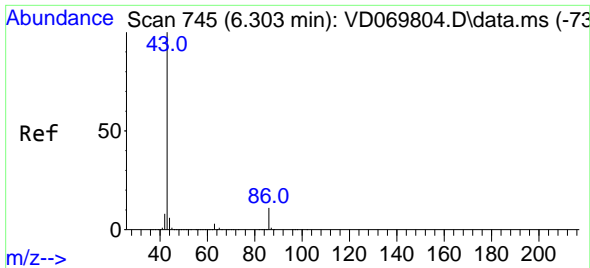
#22  
 Diisopropyl ether  
 Concen: 20.661 ug/l  
 RT: 6.367 min Scan# 756  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion: 45 Resp: 434026  

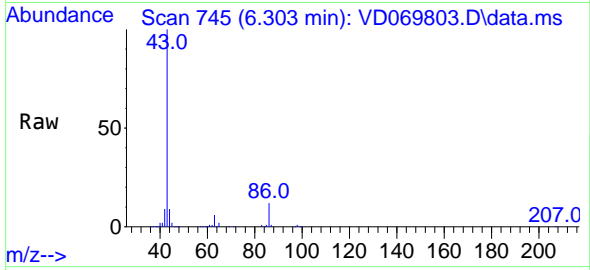
Ion	Ratio	Lower	Upper
45	100		
43	50.7	39.2	58.8
87	28.2	22.3	33.5
59	12.1	9.4	14.0





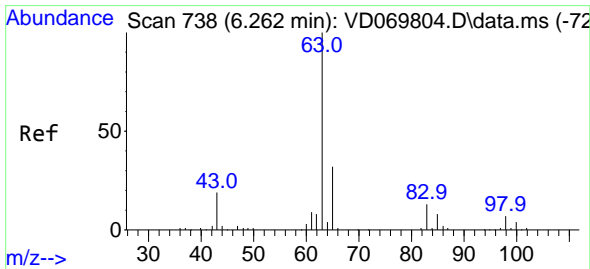
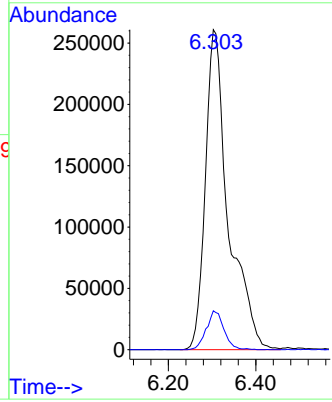
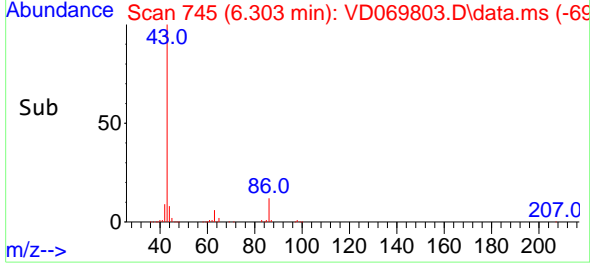
#23  
 Vinyl Acetate  
 Concen: 94.738 ug/l  
 RT: 6.303 min Scan# 745  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

Instrument : MSVOA\_D  
 Client Sampled : VSTDIC020

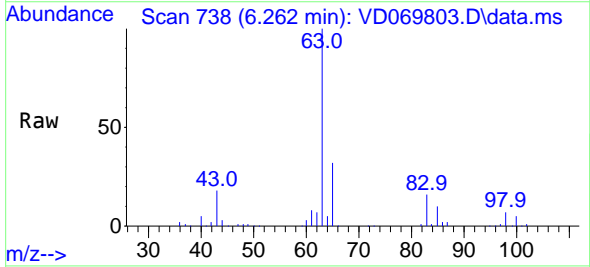


Tgt Ion: 43 Resp: 953612  
 Ion Ratio Lower Upper  
 43 100  
 86 12.1 8.6 13.0

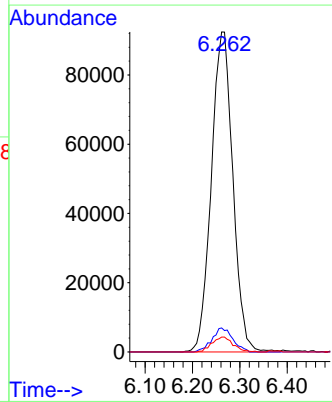
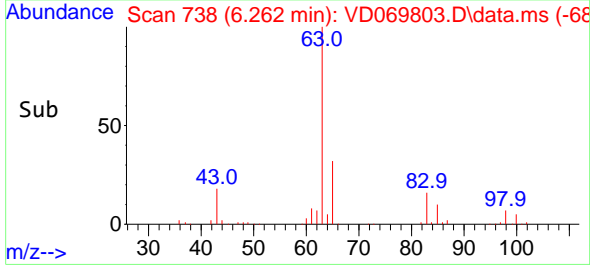
Manual Integrations APPROVED  
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 7/23/2021 5:15:18 PM



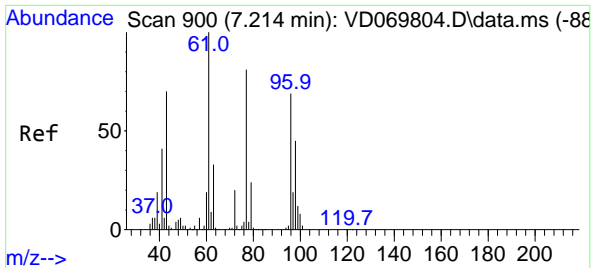
#24  
 1,1-Dichloroethane  
 Concen: 20.093 ug/l  
 RT: 6.262 min Scan# 738  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion: 63 Resp: 291532  
 Ion Ratio Lower Upper  
 63 100  
 98 7.5 3.6 10.8  
 100 4.7 2.2 6.6

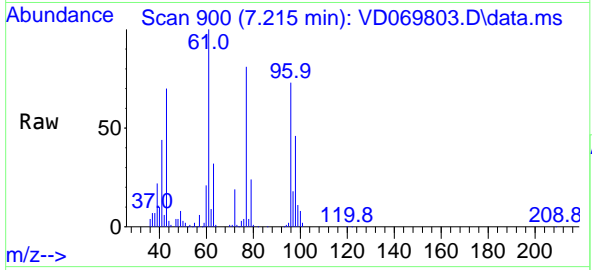






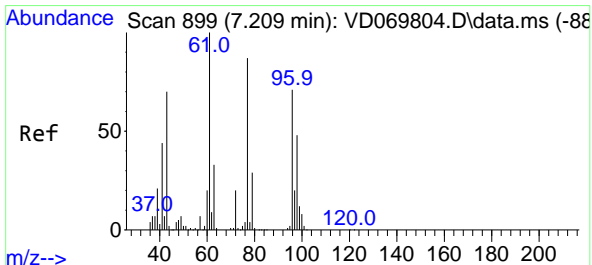
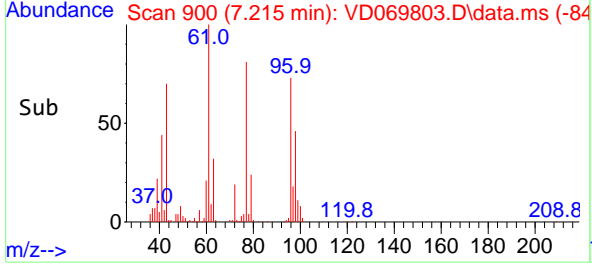
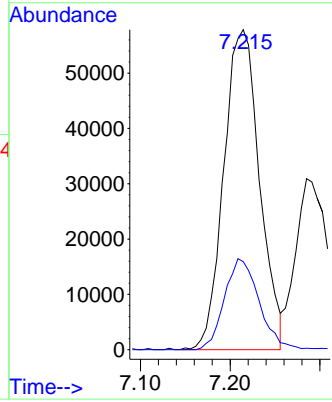
#25  
 2-Butanone  
 Concen: 98.615 ug/l  
 RT: 7.215 min Scan# 900  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VSTDIC020

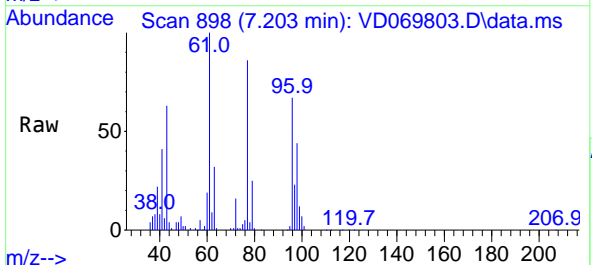


Tgt Ion: 43 Resp: 160121  
 Ion Ratio Lower Upper  
 43 100  
 72 27.5 22.8 34.2

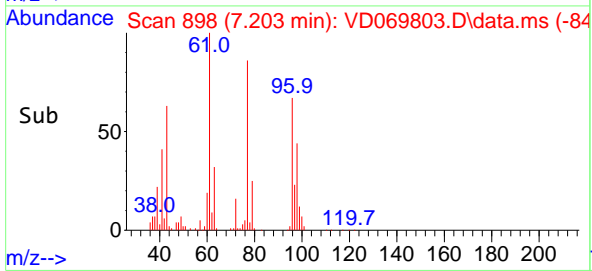
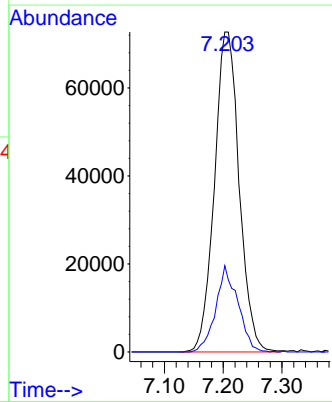
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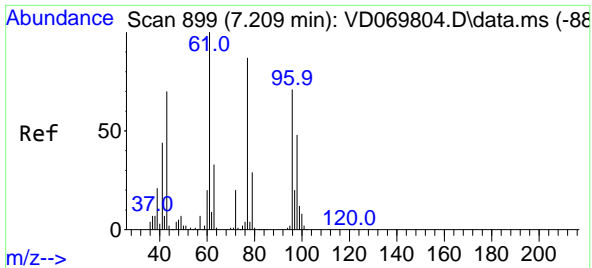


#26  
 2,2-Dichloropropane  
 Concen: 19.241 ug/l  
 RT: 7.203 min Scan# 898  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



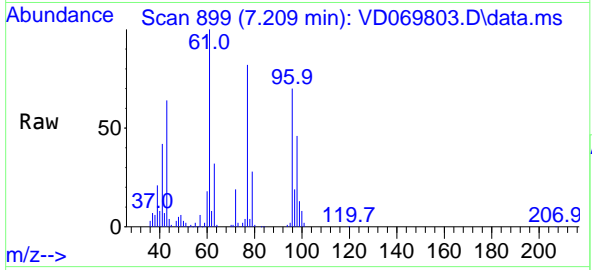
Tgt Ion: 77 Resp: 212282  
 Ion Ratio Lower Upper  
 77 100  
 97 24.2 11.9 35.7





#27  
 cis-1,2-Dichloroethene  
 Concen: 20.031 ug/l  
 RT: 7.209 min Scan# 899  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

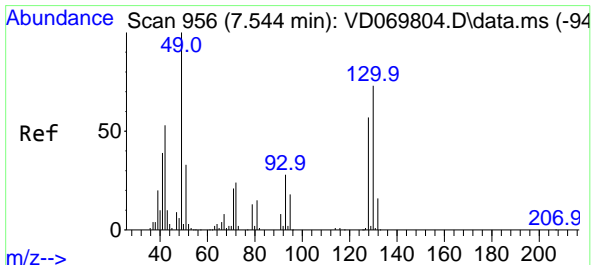
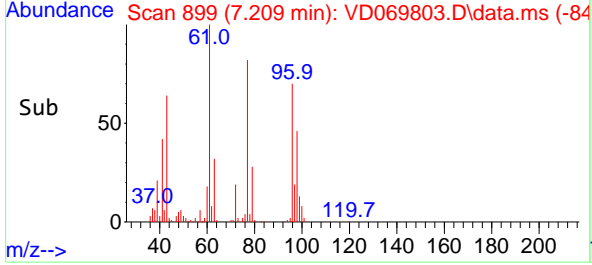
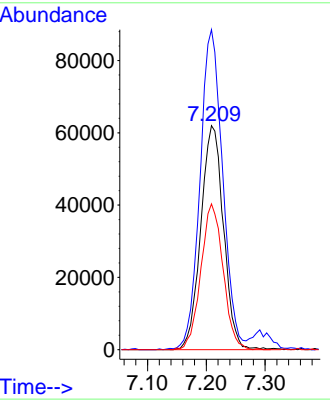
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VSTDIC020



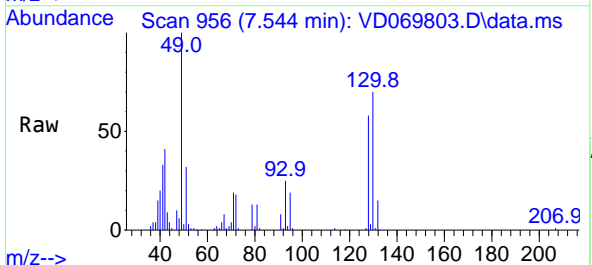
Tgt Ion: 96 Resp: 166071

Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	291.6
98	63.6	0.0	132.0

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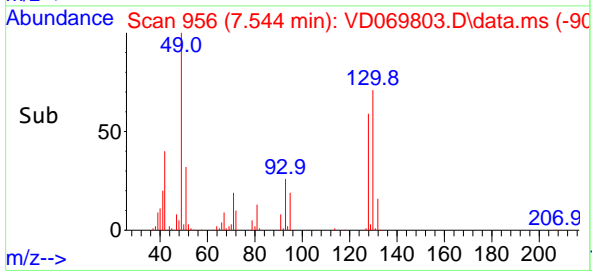
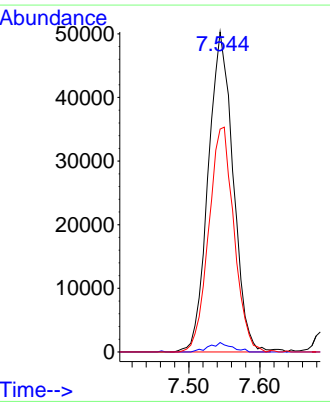


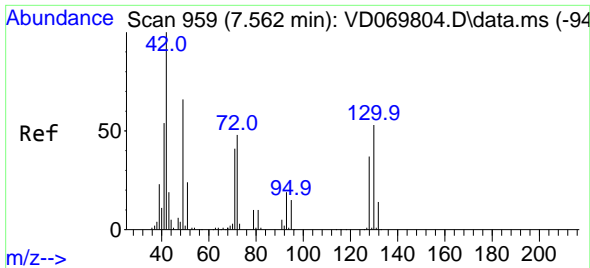
#28  
 Bromochloromethane  
 Concen: 22.222 ug/l  
 RT: 7.544 min Scan# 956  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion: 49 Resp: 122418

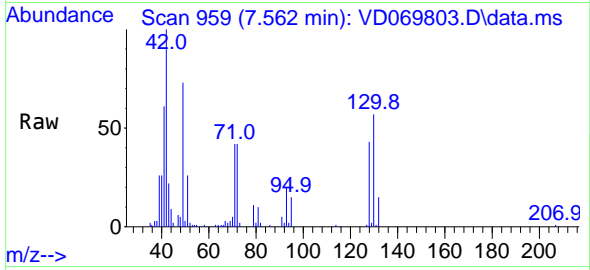
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.2
130	71.4	59.6	89.4





#29  
 Tetrahydrofuran  
 Concen: 97.163 ug/l  
 RT: 7.562 min Scan# 959  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VSTDIC020

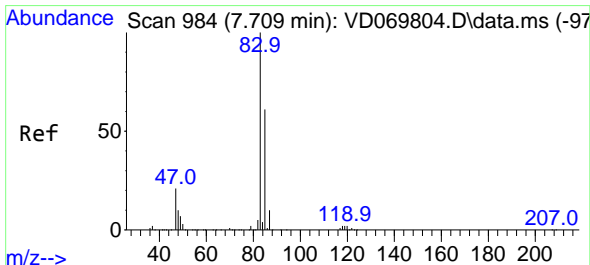
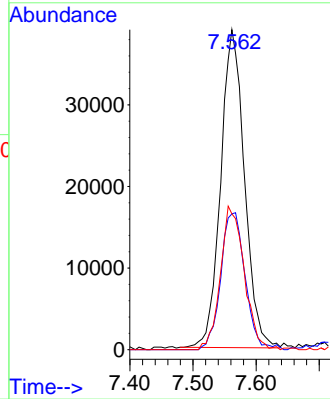
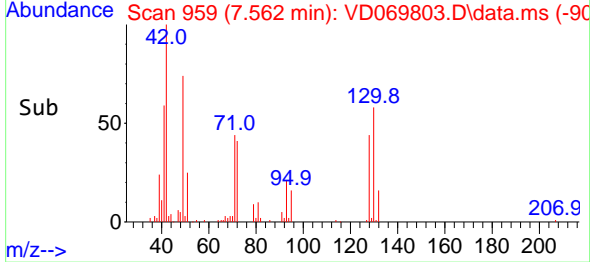


Tgt Ion: 42 Resp: 102067

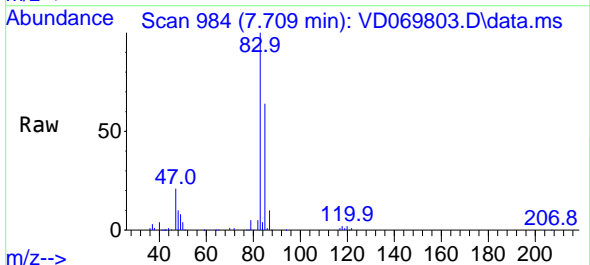
Ion	Ratio	Lower	Upper
42	100		
72	44.2	36.5	54.7
71	45.0	33.5	50.3

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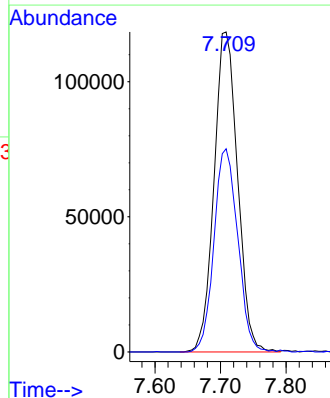
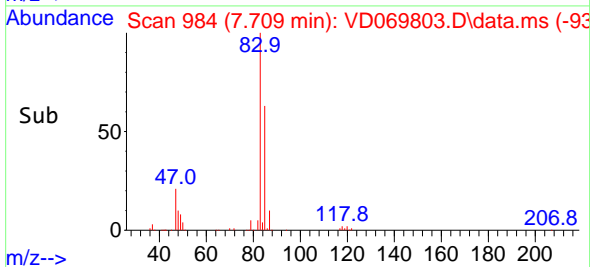


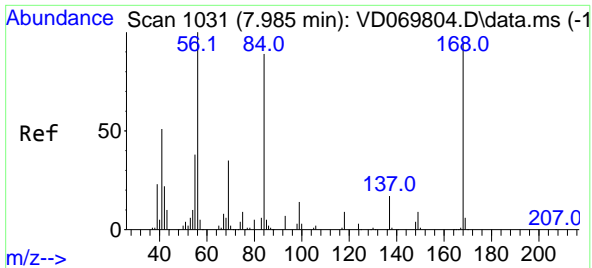
#30  
 Chloroform  
 Concen: 20.221 ug/l  
 RT: 7.709 min Scan# 984  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion: 83 Resp: 294976

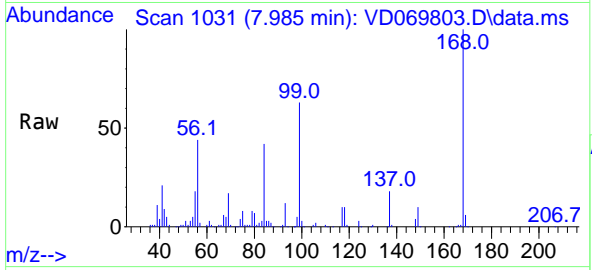
Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.1	73.7





#31  
 Cyclohexane  
 Concen: 19.473 ug/l  
 RT: 7.985 min Scan# 1031  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

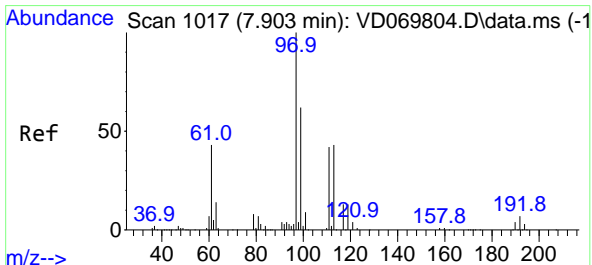
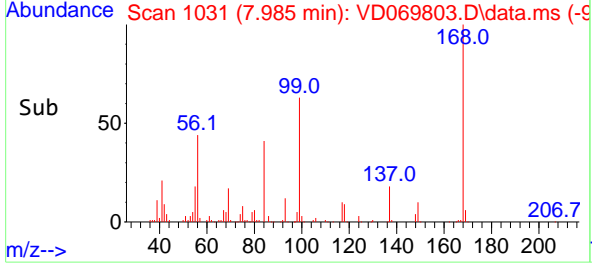
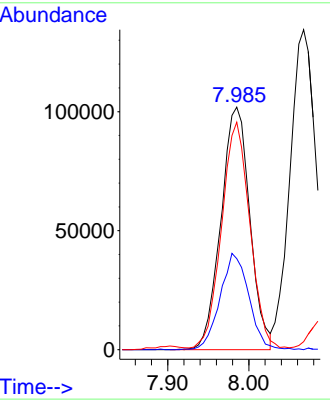
**Instrument :**  
 MSVOA\_D  
**Client Sampled :**  
 VSTDIC020



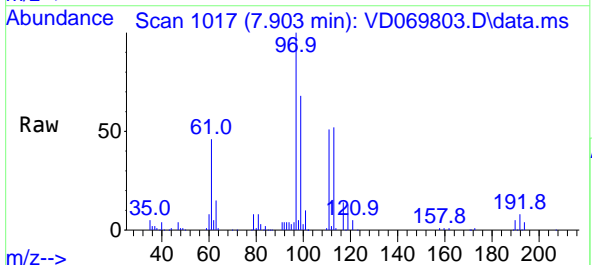
Tgt Ion: 56 Resp: 252180

Ion	Ratio	Lower	Upper
56	100		
69	37.5	27.9	41.9
84	92.3	71.4	107.2

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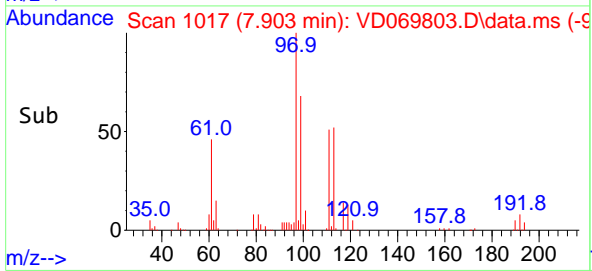
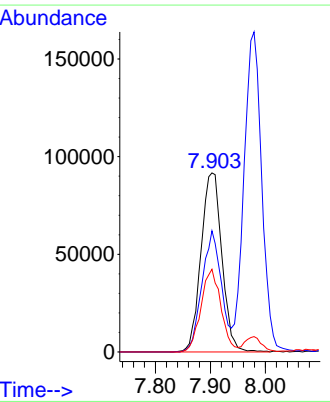


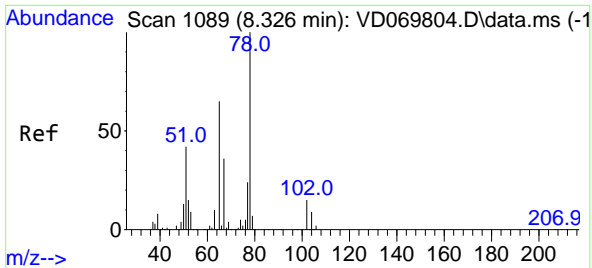
#32  
 1,1,1-Trichloroethane  
 Concen: 20.100 ug/l  
 RT: 7.903 min Scan# 1017  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion: 97 Resp: 242700

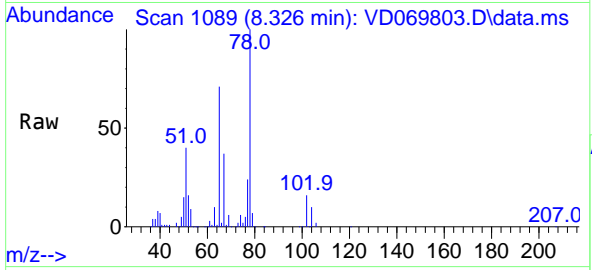
Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.8	76.2
61	44.2	34.5	51.7





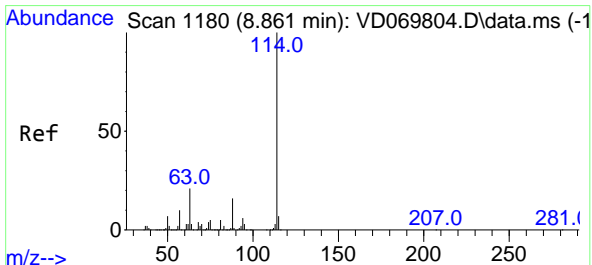
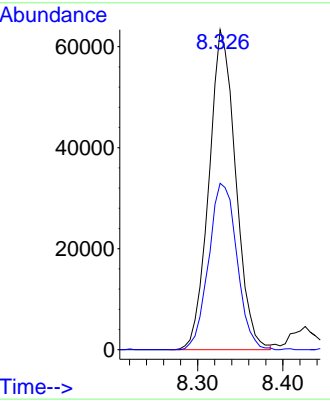
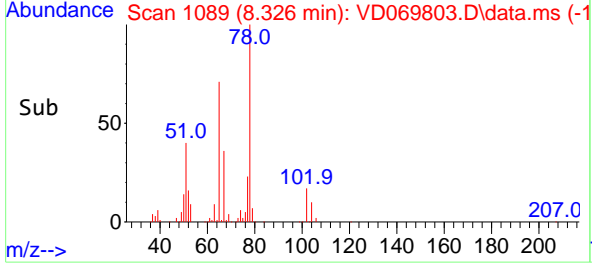
#33  
 1,2-Dichloroethane-d4  
 Concen: 20.864 ug/l  
 RT: 8.326 min Scan# 1089  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020

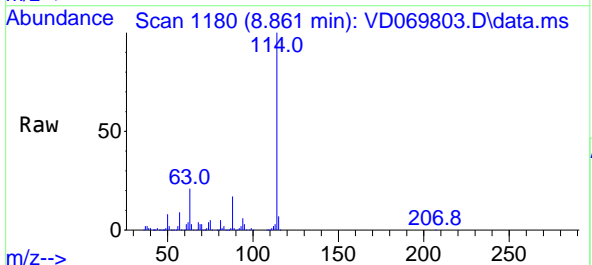


Tgt Ion: 65 Resp: 138283  
 Ion Ratio Lower Upper  
 65 100  
 67 54.9 0.0 111.2

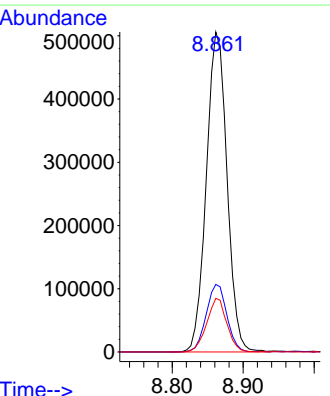
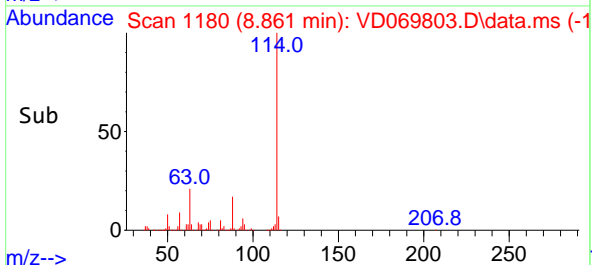
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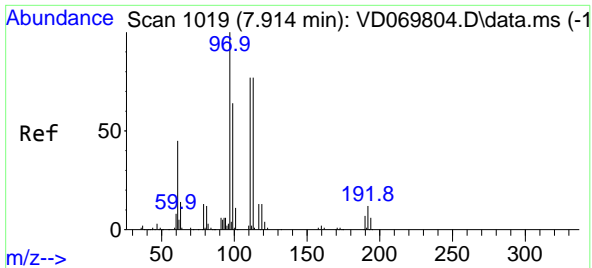


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.861 min Scan# 1180  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



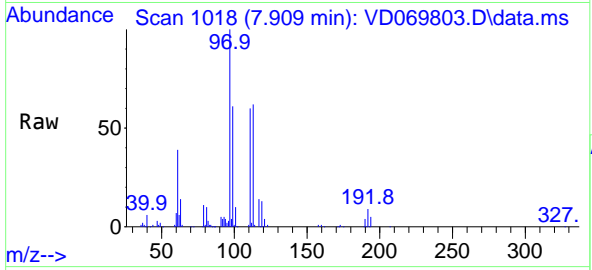
Tgt Ion: 114 Resp: 1023039  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 0.0 41.6  
 88 16.7 0.0 31.4





#35  
 Dibromofluoromethane  
 Concen: 21.310 ug/l  
 RT: 7.909 min Scan# 1018  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

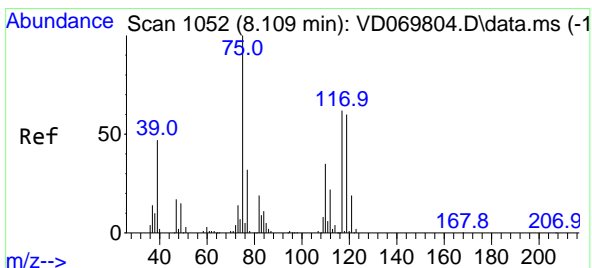
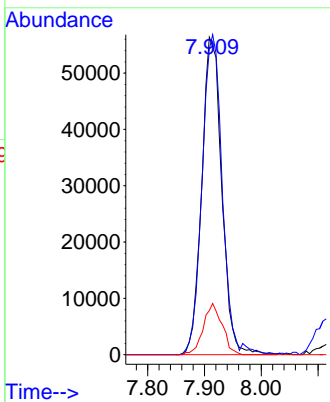
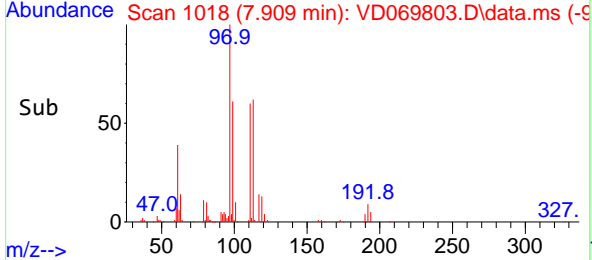
**Instrument :**  
 MSVOA\_D  
**Client Sampled :**  
 VSTDIC020



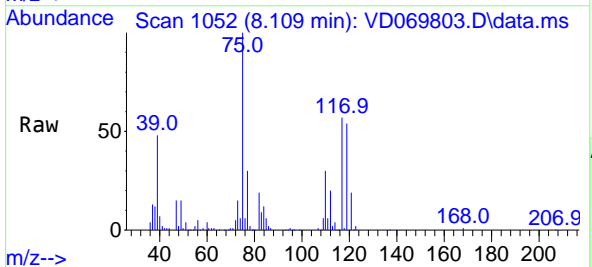
Tgt Ion: 113 Resp: 137436

Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.5	120.7
192	15.3	12.6	19.0

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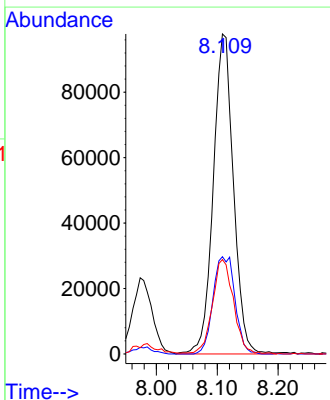
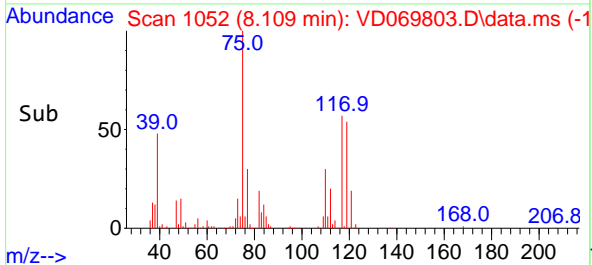


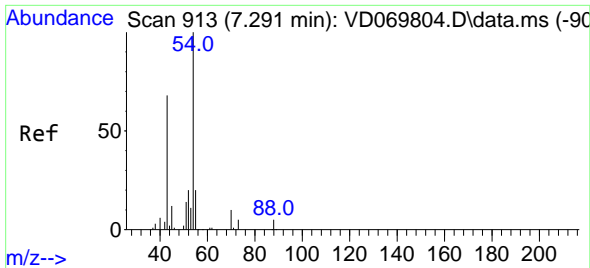
#36  
 1,1-Dichloropropene  
 Concen: 20.391 ug/l  
 RT: 8.109 min Scan# 1052  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion: 75 Resp: 225118

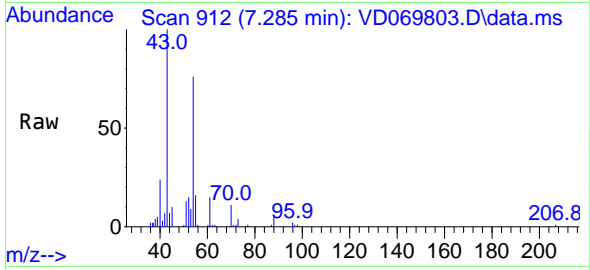
Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.9	50.7
77	30.9	24.9	37.3





#37  
 Ethyl Acetate  
 Concen: 19.441 ug/l  
 RT: 7.285 min Scan# 912  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

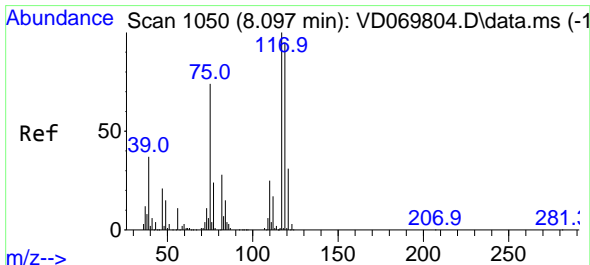
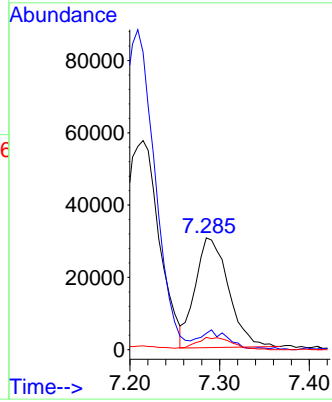
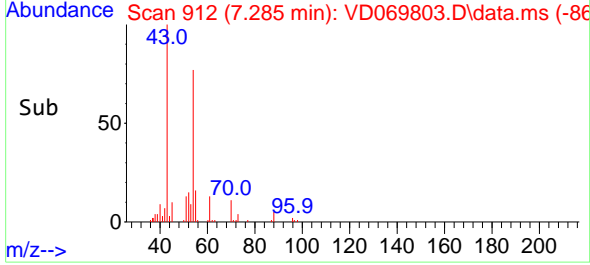
**Instrument :**  
 MSVOA\_D  
**Client Sampled :**  
 VSTDIC020



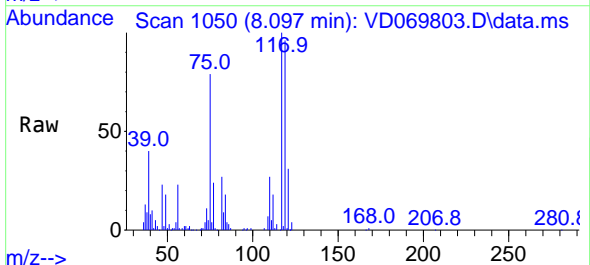
Tgt Ion: 43 Resp: 78137

Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.8	17.8
70	12.2	8.9	13.3

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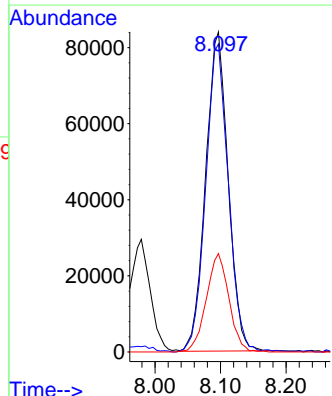
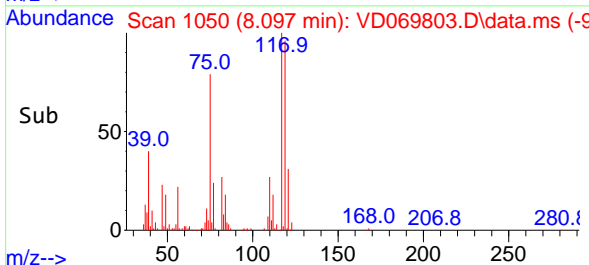


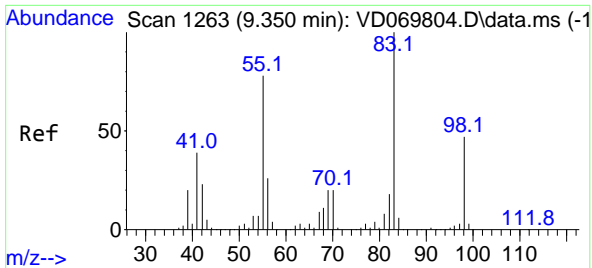
#38  
 Carbon Tetrachloride  
 Concen: 19.846 ug/l  
 RT: 8.097 min Scan# 1050  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion: 117 Resp: 200140

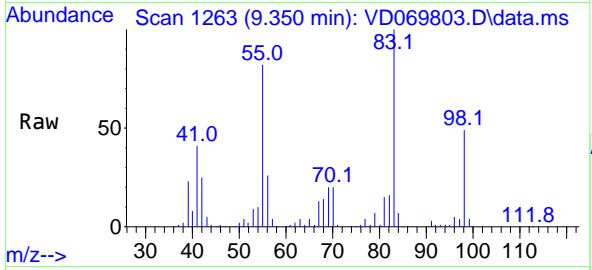
Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.2	114.2
121	30.9	24.5	36.7





#39  
 Methylcyclohexane  
 Concen: 19.296 ug/l  
 RT: 9.350 min Scan# 1263  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

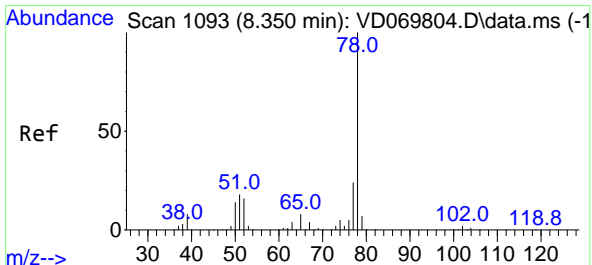
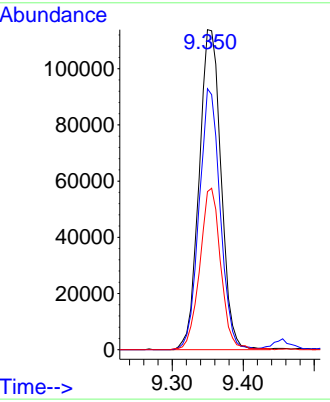
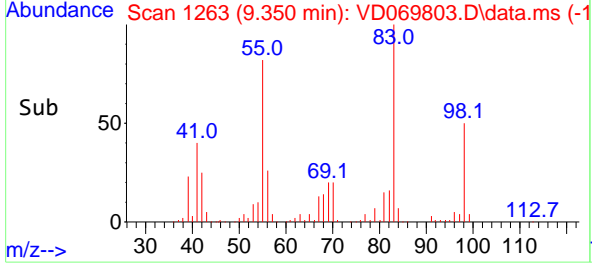
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VSTDIC020



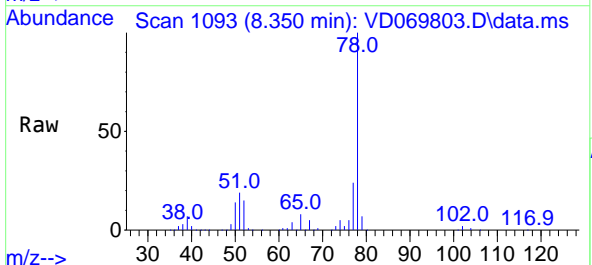
Tgt Ion: 83 Resp: 243983

Ion	Ratio	Lower	Upper
83	100		
55	81.5	62.2	93.2
98	49.4	37.8	56.8

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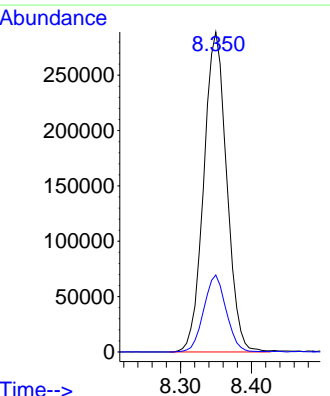
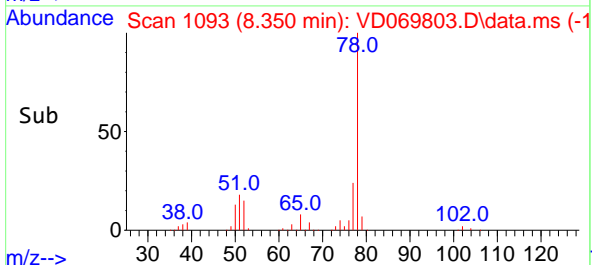


#40  
 Benzene  
 Concen: 20.255 ug/l  
 RT: 8.350 min Scan# 1093  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

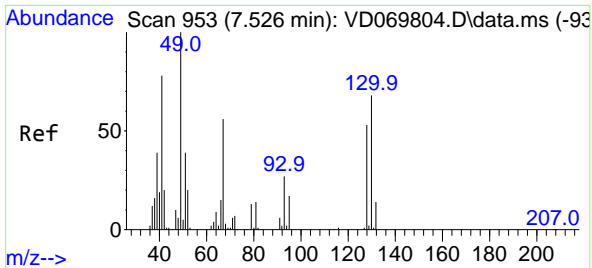


Tgt Ion: 78 Resp: 647843

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0

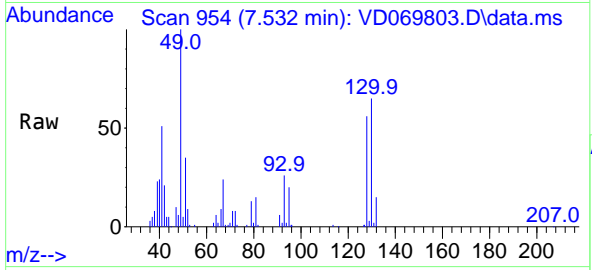






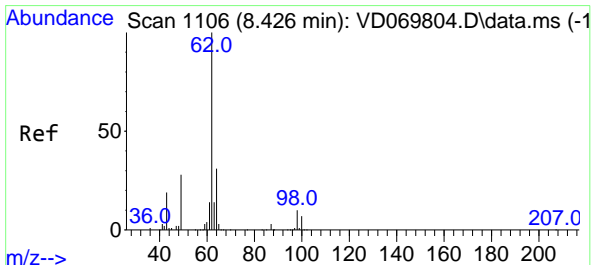
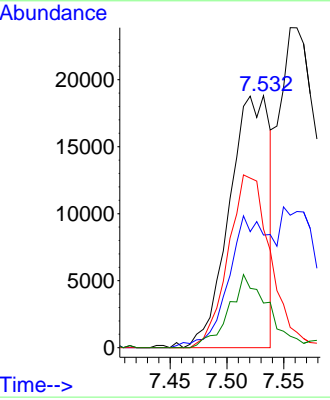
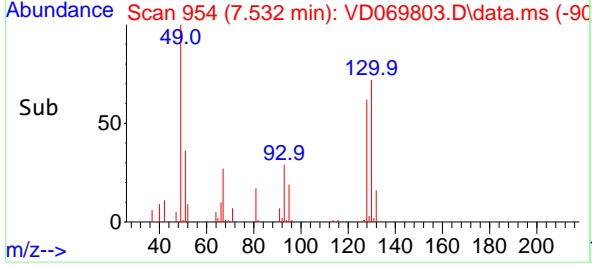
#41  
 Methacrylonitrile  
 Concen: 23.207 ug/l  
 RT: 7.532 min Scan# 954  
 Delta R.T. 0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**Client Sampled :**  
 VSTDIC020

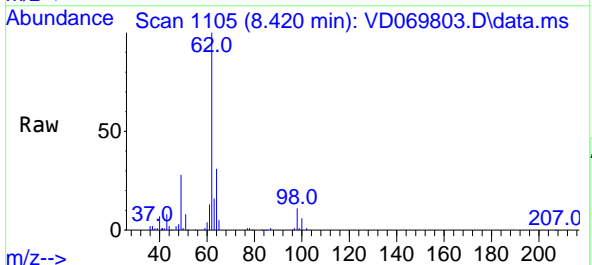


Tgt Ion: 41 Resp: 46537  
 Ion Ratio Lower Upper  
 41 100  
 39 56.6 46.7 70.1  
 67 72.0 69.3 103.9  
 52 28.8 28.2 42.4

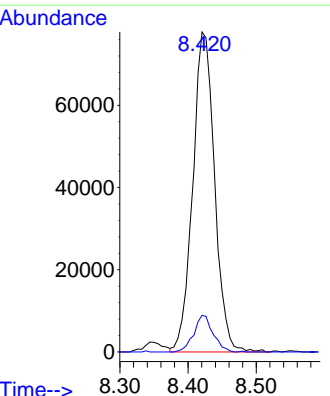
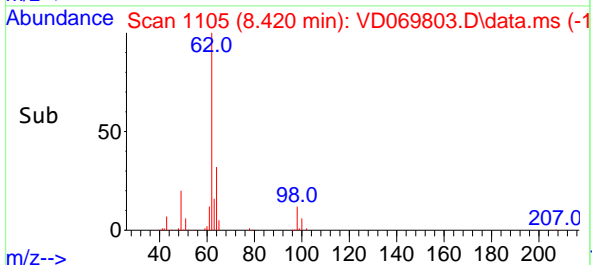
**Manual Integrations**  
**APPROVED**  
 MMDadoda  
 7/23/2021 5:15:18 PM

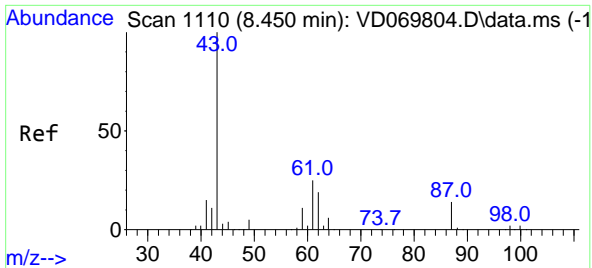


#42  
 1,2-Dichloroethane  
 Concen: 20.518 ug/l  
 RT: 8.420 min Scan# 1105  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



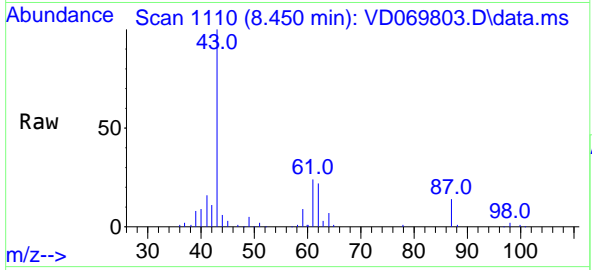
Tgt Ion: 62 Resp: 173560  
 Ion Ratio Lower Upper  
 62 100  
 98 10.1 0.0 20.4





#43  
 Isopropyl Acetate  
 Concen: 19.536 ug/l  
 RT: 8.450 min Scan# 1110  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

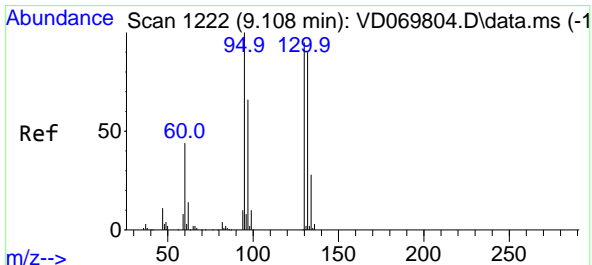
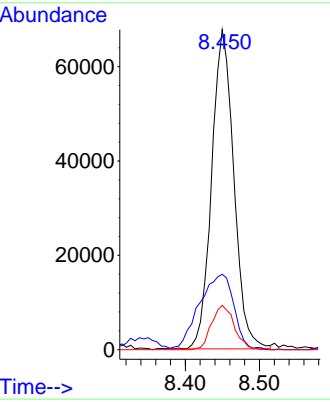
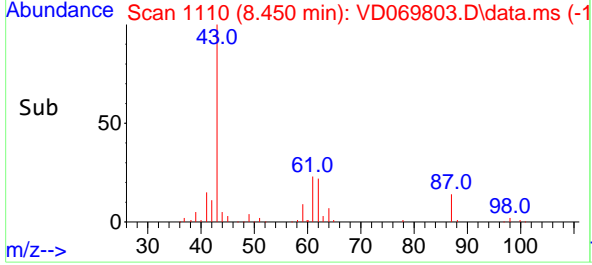
**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020



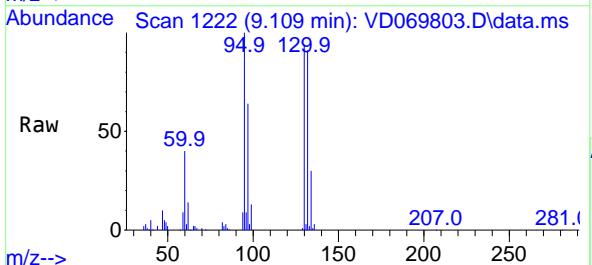
Tgt Ion: 43 Resp: 140823

Ion	Ratio	Lower	Upper
43	100		
61	36.8	27.8	41.6
87	14.3	11.3	16.9

**Manual Integrations**  
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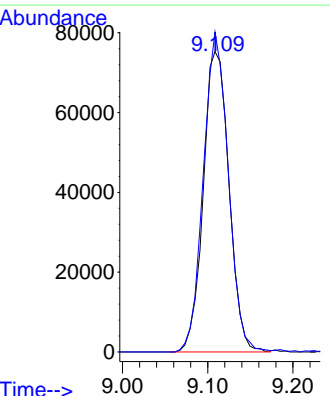
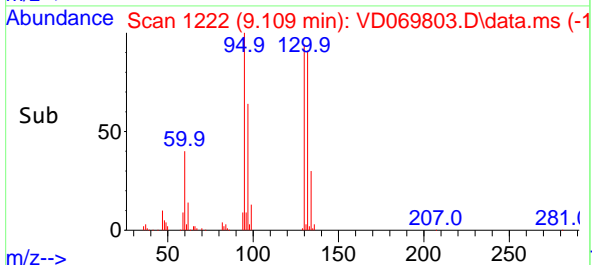


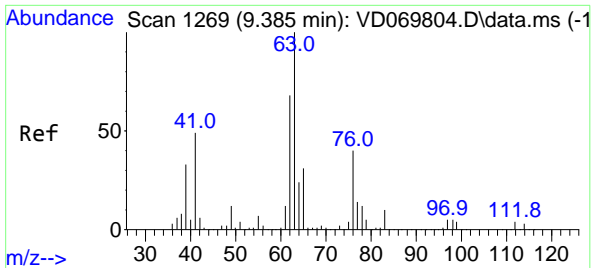
#44  
 Trichloroethene  
 Concen: 20.106 ug/l  
 RT: 9.109 min Scan# 1222  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion:130 Resp: 158370

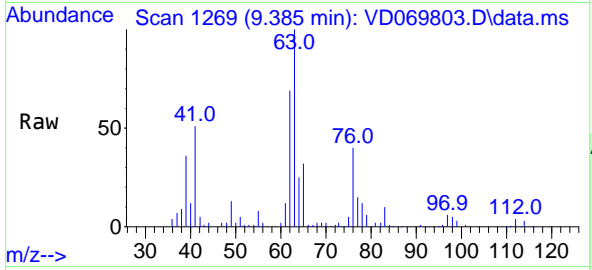
Ion	Ratio	Lower	Upper
130	100		
95	106.5	0.0	210.8





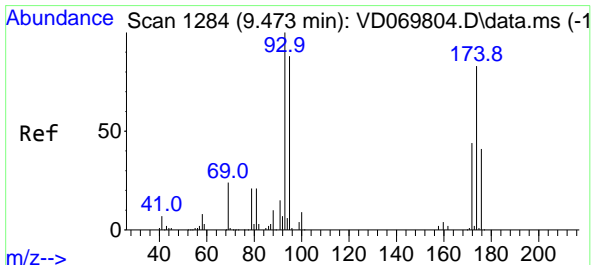
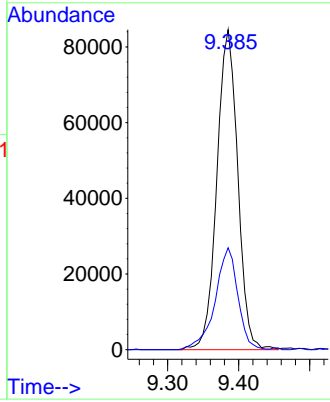
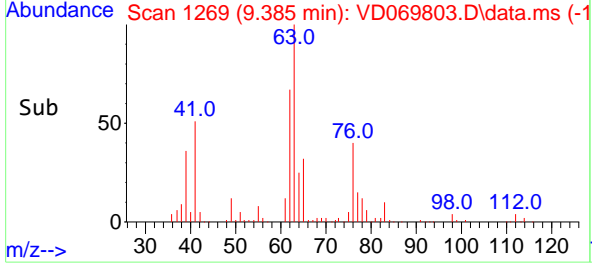
#45  
 1,2-Dichloropropane  
 Concen: 20.505 ug/l  
 RT: 9.385 min Scan# 1269  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020

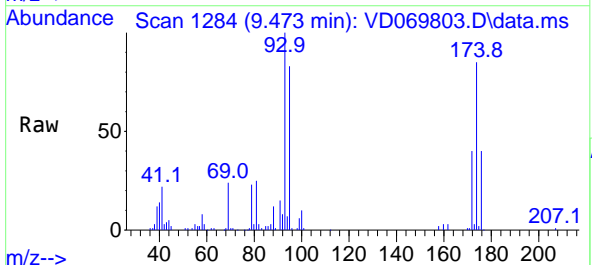


Tgt Ion: 63 Resp: 172266  
 Ion Ratio Lower Upper  
 63 100  
 65 31.9 24.9 37.3

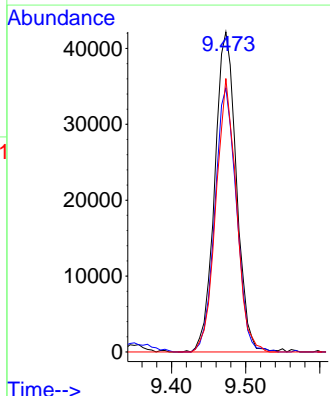
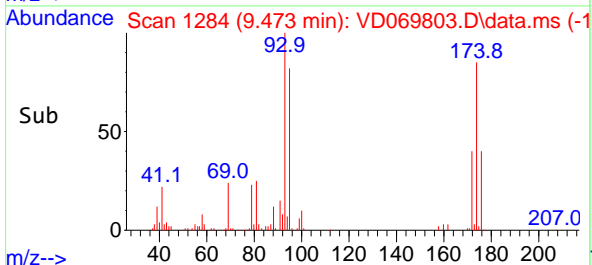
**Manual Integrations**  
**APPROVED**  
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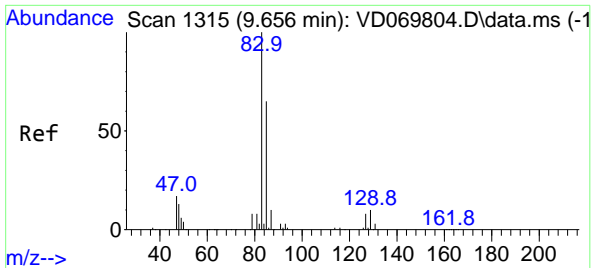


#46  
 Dibromomethane  
 Concen: 20.709 ug/l  
 RT: 9.473 min Scan# 1284  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



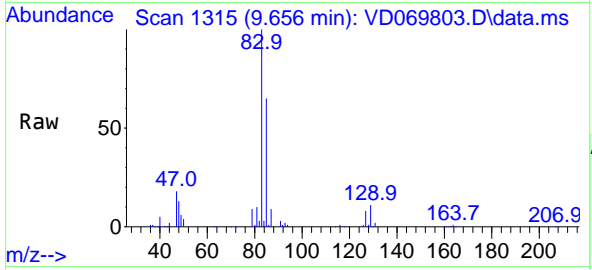
Tgt Ion: 93 Resp: 85522  
 Ion Ratio Lower Upper  
 93 100  
 95 82.0 67.5 101.3  
 174 80.5 66.3 99.5





#47  
 Bromodichloromethane  
 Concen: 20.422 ug/l  
 RT: 9.656 min Scan# 1315  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

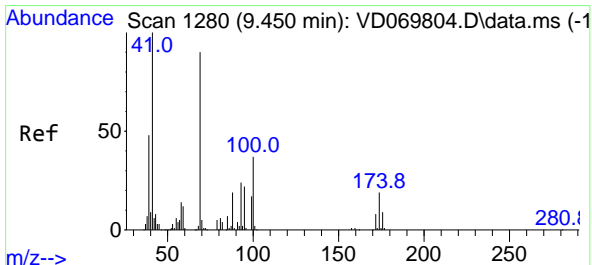
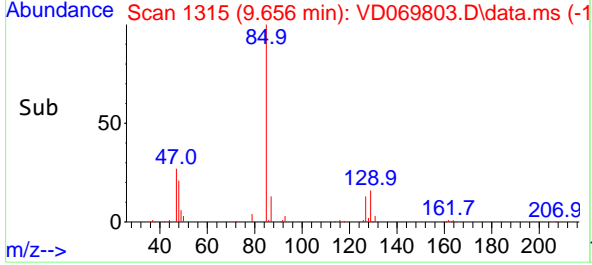
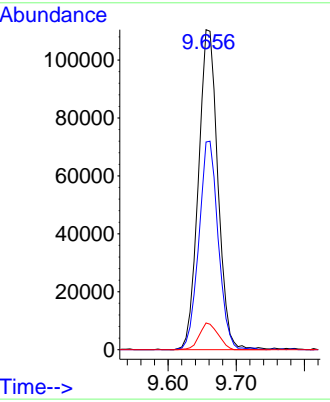
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VSTDIC020



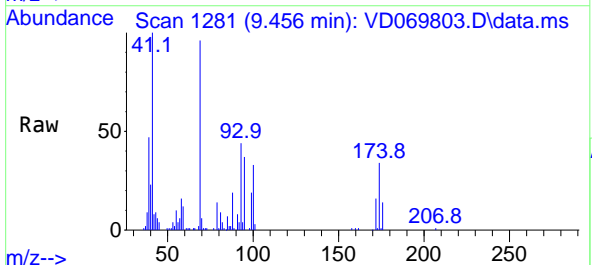
Tgt Ion: 83 Resp: 219119

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.0	78.0
127	8.3	6.6	10.0

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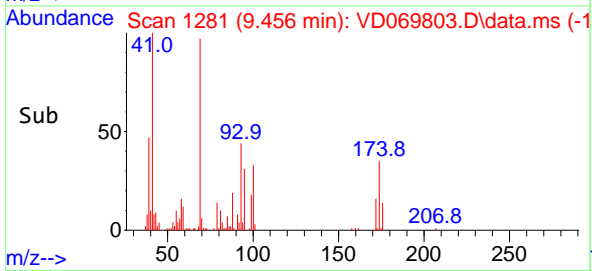
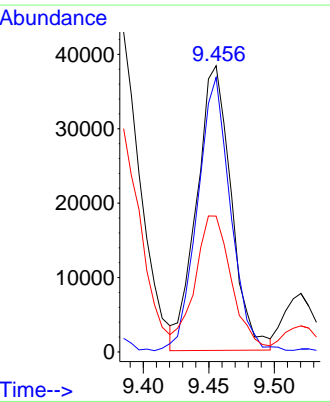


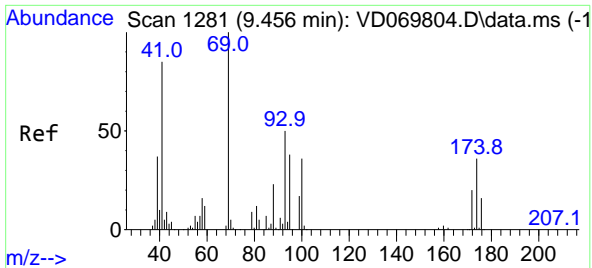
#48  
 Methyl methacrylate  
 Concen: 20.235 ug/l  
 RT: 9.456 min Scan# 1281  
 Delta R.T. 0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion: 41 Resp: 70171

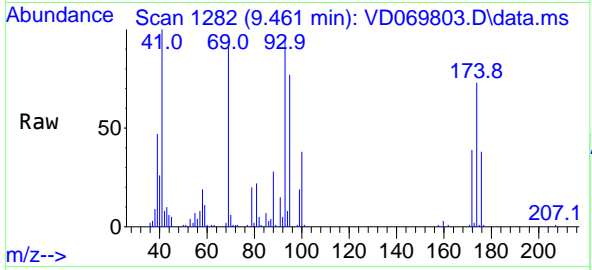
Ion	Ratio	Lower	Upper
41	100		
69	91.6	73.4	110.2
39	46.1	36.6	55.0





#49  
 1,4-Dioxane  
 Concen: 393.851 ug/l  
 RT: 9.461 min Scan# 1282  
 Delta R.T. 0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

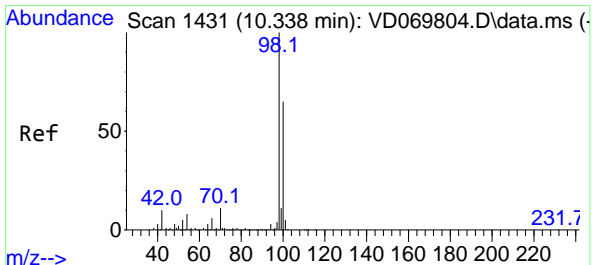
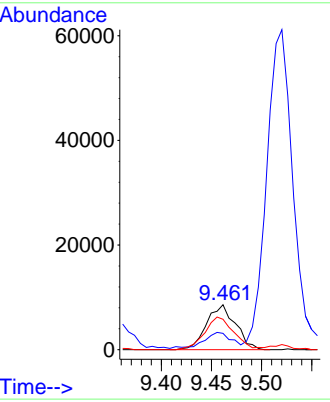
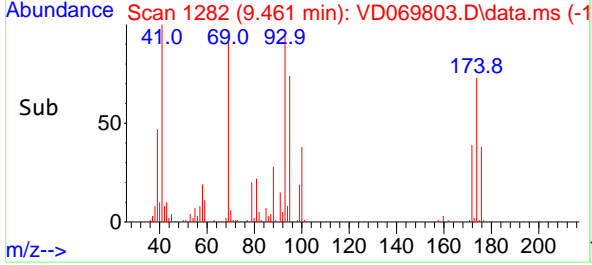
**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020



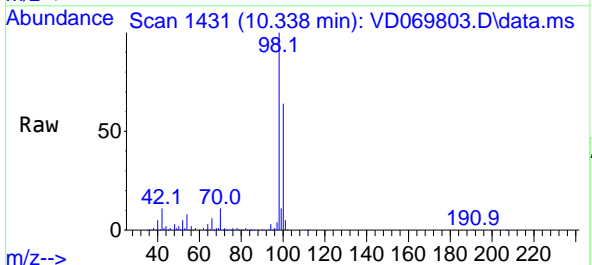
Tgt Ion: 88 Resp: 17184

Ion	Ratio	Lower	Upper
88	100		
43	37.7	26.8	40.2
58	74.4	59.8	89.6

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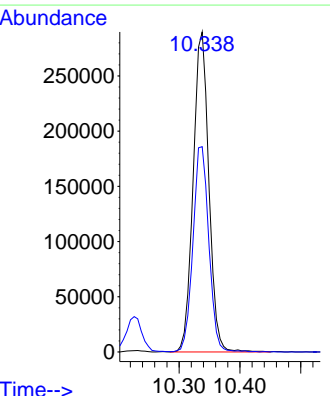
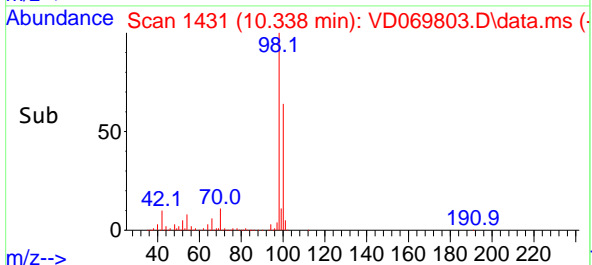


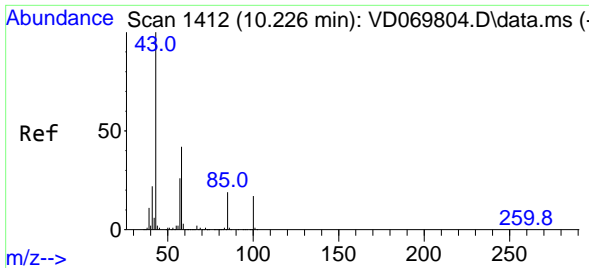
#50  
 Toluene-d8  
 Concen: 20.901 ug/l  
 RT: 10.338 min Scan# 1431  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion: 98 Resp: 519753

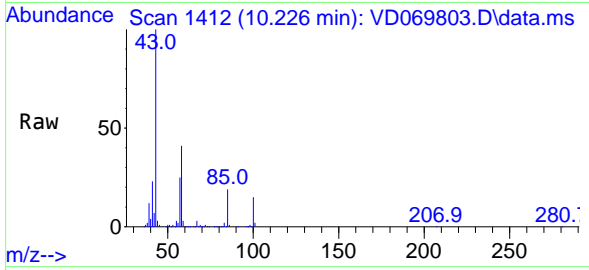
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





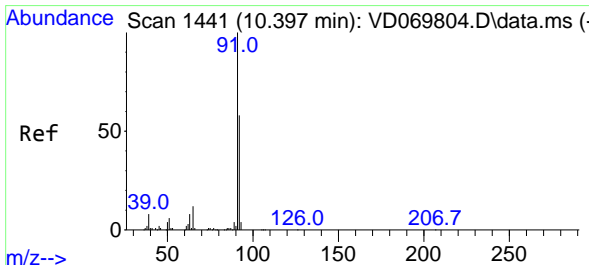
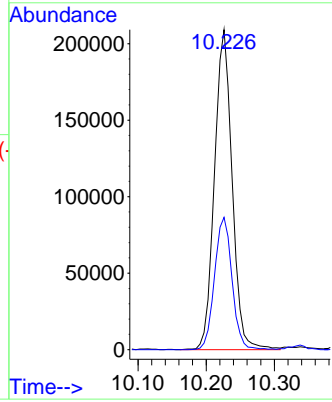
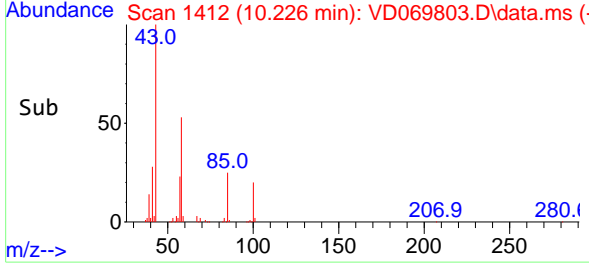
#51  
 4-Methyl-2-Pentanone  
 Concen: 100.609 ug/l  
 RT: 10.226 min Scan# 1412  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VSTDIC020

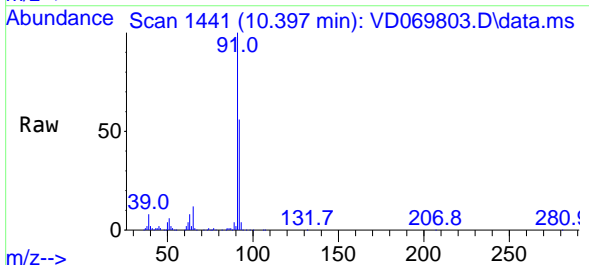


Tgt Ion: 43 Resp: 377388  
 Ion Ratio Lower Upper  
 43 100  
 58 41.0 33.7 50.5

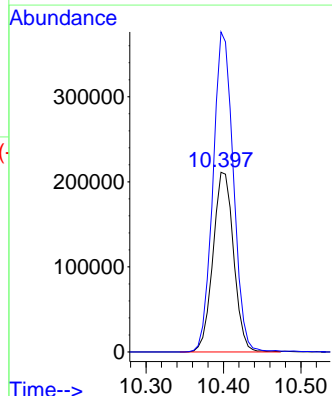
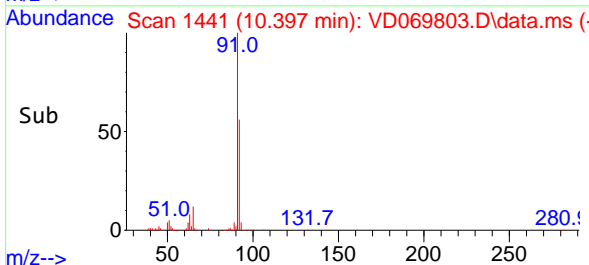
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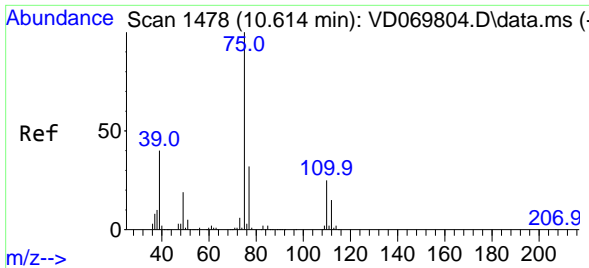


#52  
 Toluene  
 Concen: 20.163 ug/l  
 RT: 10.397 min Scan# 1441  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



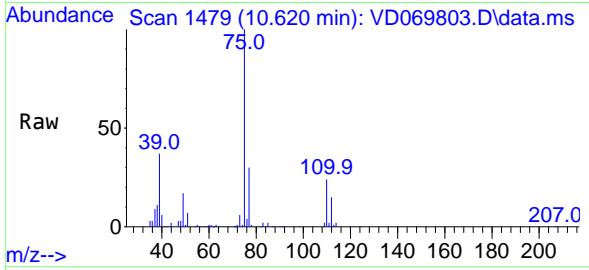
Tgt Ion: 92 Resp: 391213  
 Ion Ratio Lower Upper  
 92 100  
 91 176.3 138.7 208.1





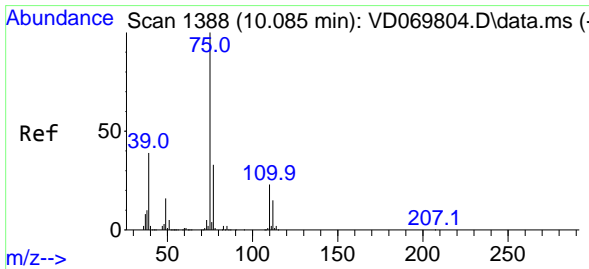
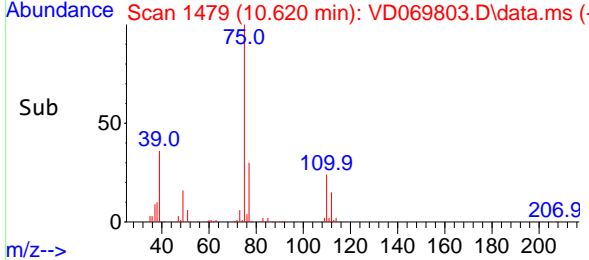
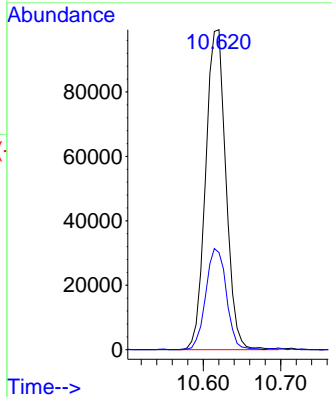
#53  
 t-1,3-Dichloropropene  
 Concen: 20.031 ug/l  
 RT: 10.620 min Scan# 1479  
 Delta R.T. 0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020

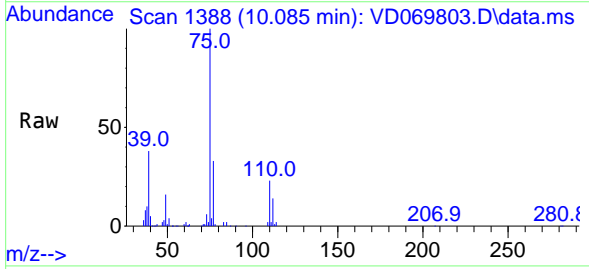


Tgt Ion: 75 Resp: 180404  
 Ion Ratio Lower Upper  
 75 100  
 77 30.3 25.8 38.6

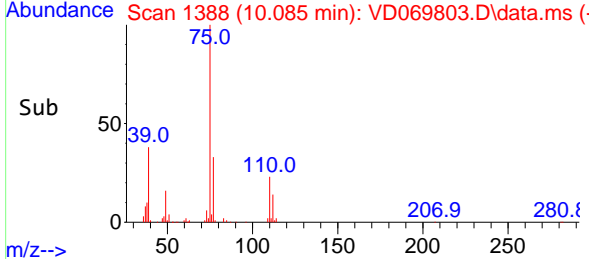
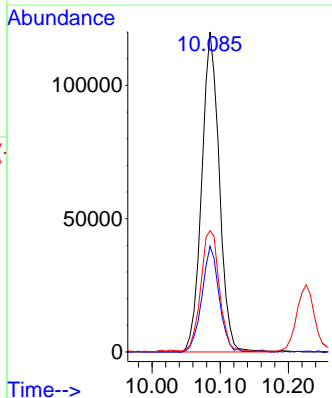
**Manual Integrations**  
**APPROVED**  
 MMDadoda  
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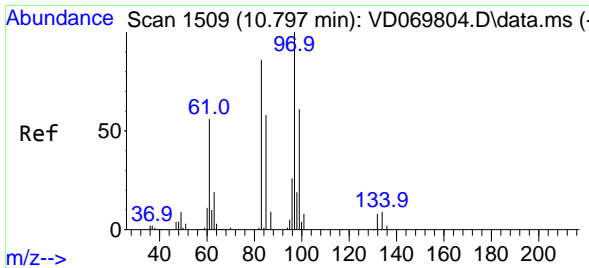


#54  
 cis-1,3-Dichloropropene  
 Concen: 19.744 ug/l  
 RT: 10.085 min Scan# 1388  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



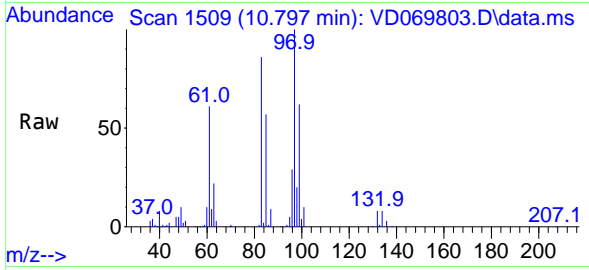
Tgt Ion: 75 Resp: 215279  
 Ion Ratio Lower Upper  
 75 100  
 77 33.0 26.3 39.5  
 39 37.5 31.0 46.6





#55  
 1,1,2-Trichloroethane  
 Concen: 20.356 ug/l  
 RT: 10.797 min Scan# 1509  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

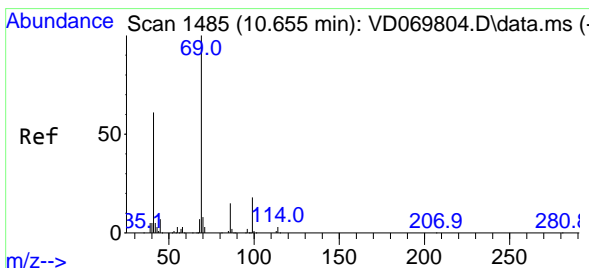
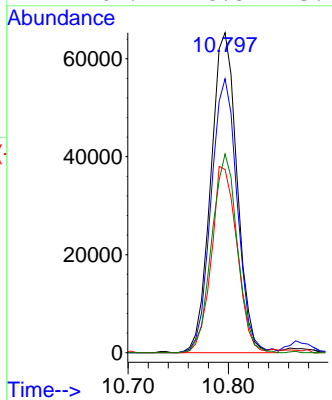
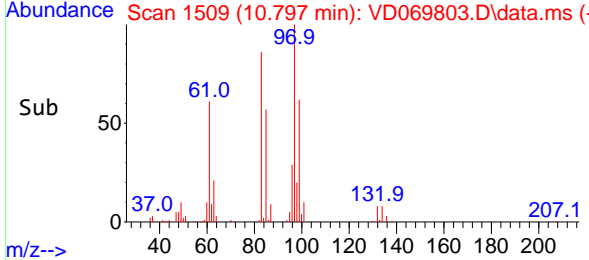
Instrument : MSVOA\_D  
 ClientSampled : VSTDIC020



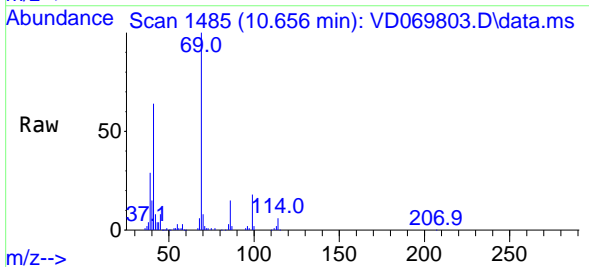
Tgt Ion: 97 Resp: 118735

Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.1	103.7
85	57.3	46.2	69.2
99	62.1	48.8	73.2

Manual Integrations  
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 MMDadoda  
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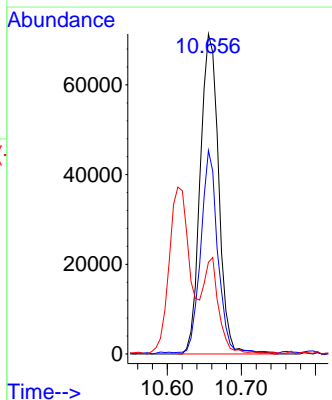
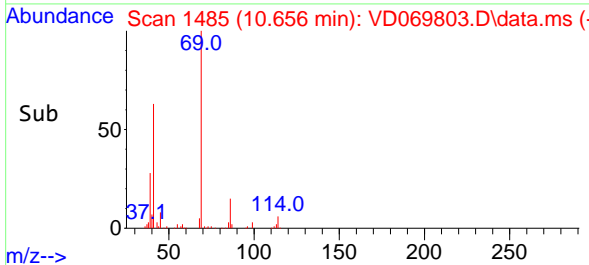


#56  
 Ethyl methacrylate  
 Concen: 19.250 ug/l  
 RT: 10.656 min Scan# 1485  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

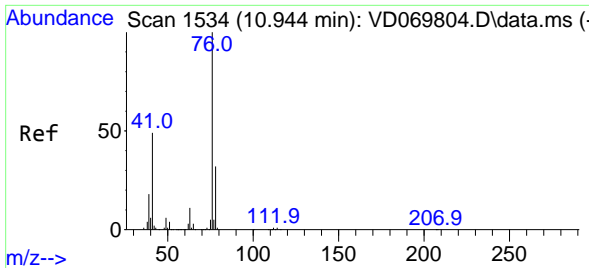


Tgt Ion: 69 Resp: 122939

Ion	Ratio	Lower	Upper
69	100		
41	58.9	50.2	75.2
39	23.7	22.0	33.0

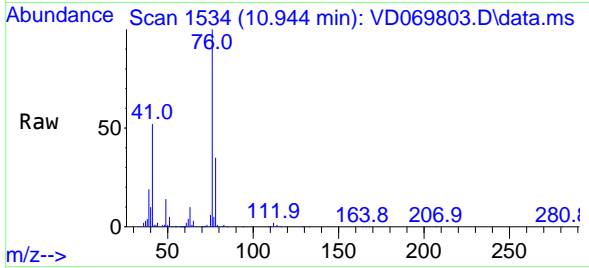






#57  
 1,3-Dichloropropane  
 Concen: 20.132 ug/l  
 RT: 10.944 min Scan# 1534  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

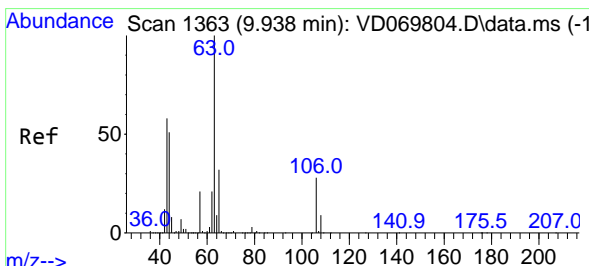
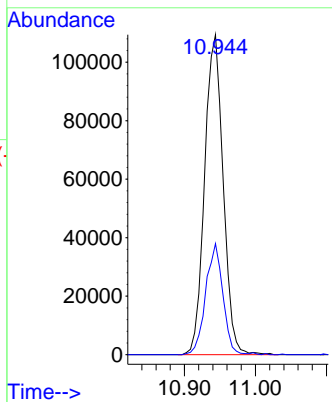
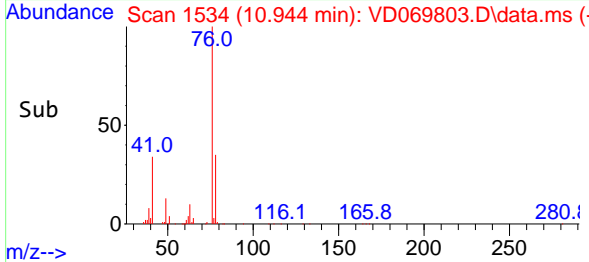
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VSTDIC020



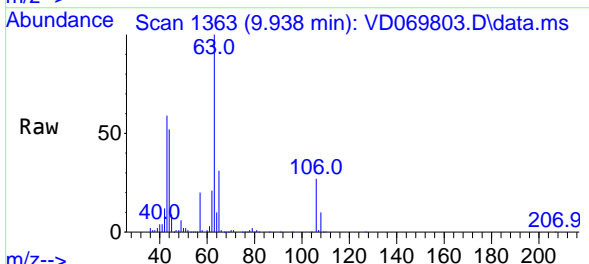
Tgt Ion: 76 Resp: 198701  
 Ion Ratio Lower Upper  
 76 100  
 78 32.2 26.2 39.2

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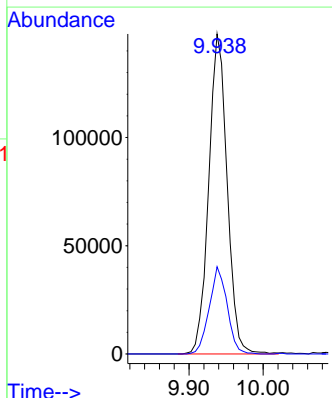
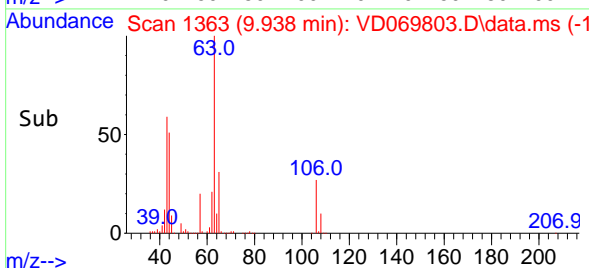
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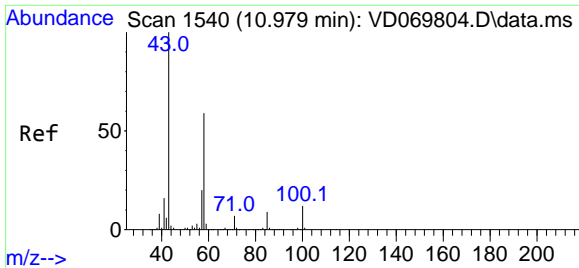


#58  
 2-Chloroethyl Vinyl ether  
 Concen: 93.183 ug/l  
 RT: 9.938 min Scan# 1363  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



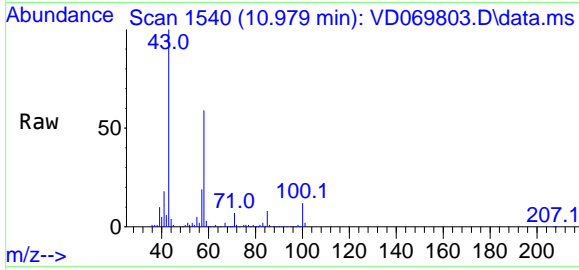
Tgt Ion: 63 Resp: 254924  
 Ion Ratio Lower Upper  
 63 100  
 106 26.5 21.8 32.6





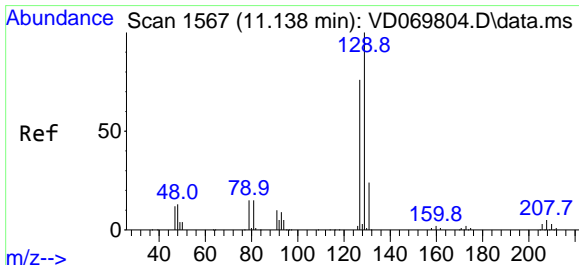
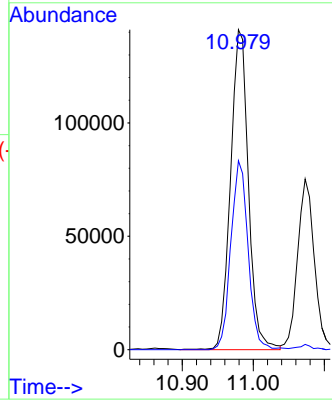
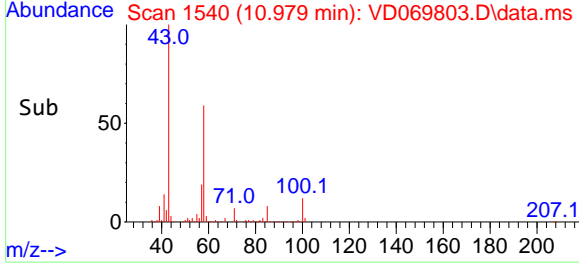
#59  
 2-Hexanone  
 Concen: 99.385 ug/l  
 RT: 10.979 min Scan# 1540  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020

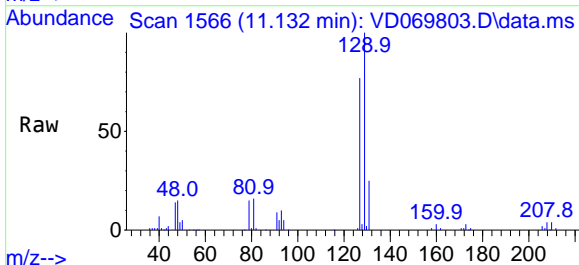


Tgt Ion: 43 Resp: 246589  
 Ion Ratio Lower Upper  
 43 100  
 58 56.9 29.4 88.3

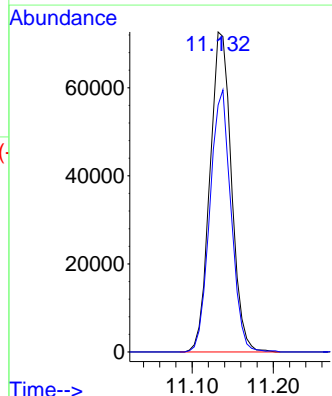
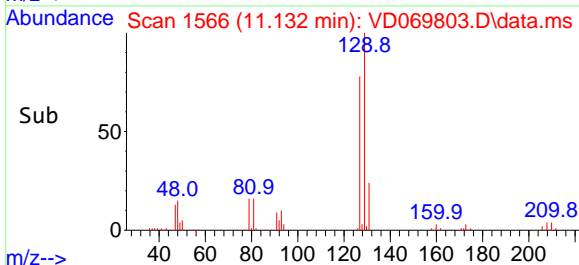
**Manual Integrations**  
**APPROVED**  
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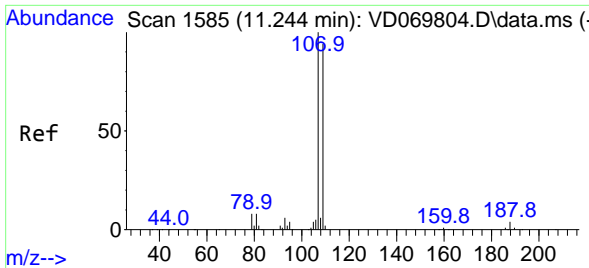


#60  
 Dibromochloromethane  
 Concen: 20.254 ug/l  
 RT: 11.132 min Scan# 1566  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



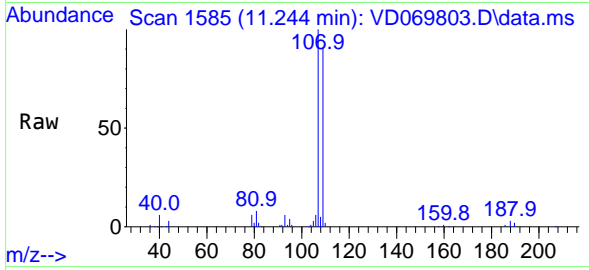
Tgt Ion: 129 Resp: 133797  
 Ion Ratio Lower Upper  
 129 100  
 127 80.3 38.7 116.1





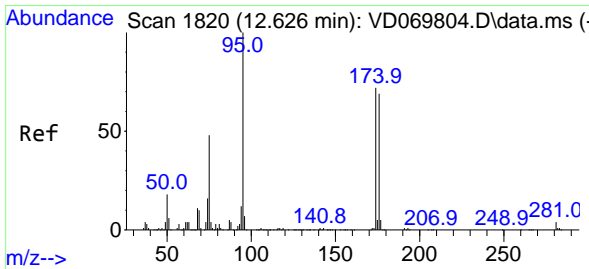
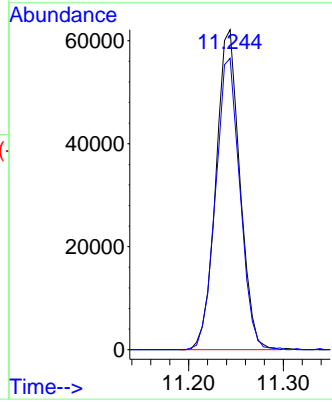
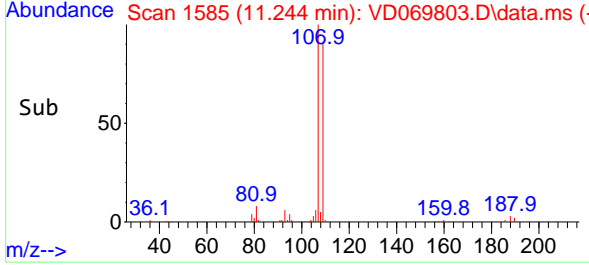
#61  
 1,2-Dibromoethane  
 Concen: 20.802 ug/l  
 RT: 11.244 min Scan# 1585  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VSTDIC020

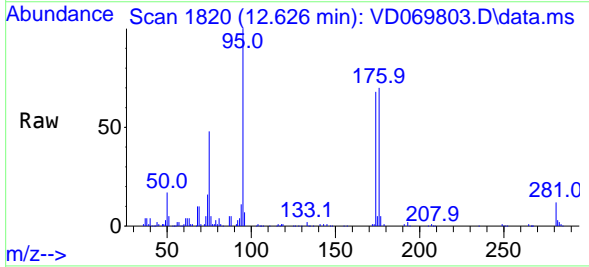


Tgt Ion:107 Resp: 109248  
 Ion Ratio Lower Upper  
 107 100  
 109 92.7 74.5 111.7

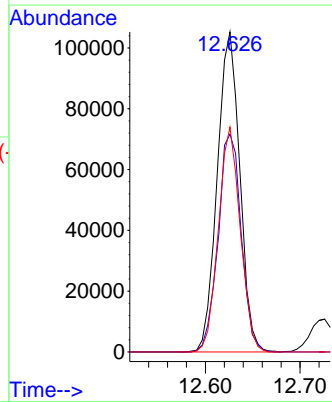
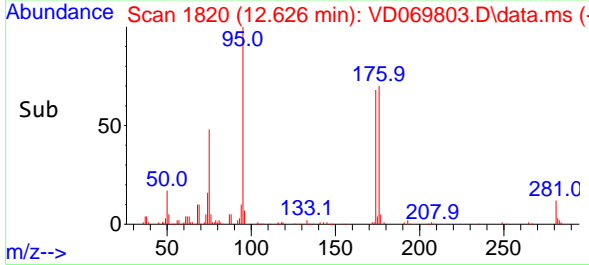
Manual Integrations  
**APPROVED**  
 MMDadoda  
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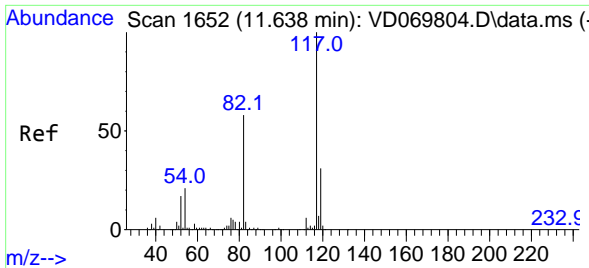


#62  
 4-Bromofluorobenzene  
 Concen: 20.962 ug/l  
 RT: 12.626 min Scan# 1820  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



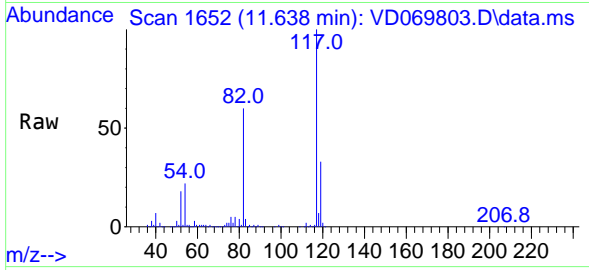
Tgt Ion: 95 Resp: 174217  
 Ion Ratio Lower Upper  
 95 100  
 174 69.8 0.0 142.6  
 176 68.1 0.0 134.2





#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.638 min Scan# 1652  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

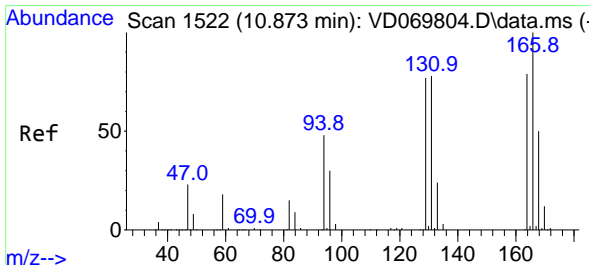
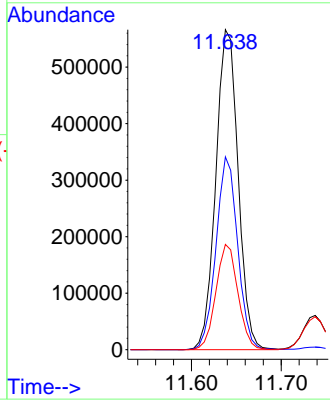
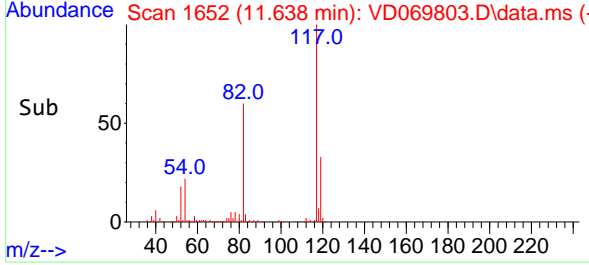
Instrument : MSVOA\_D  
 ClientSampled : VSTDIC020



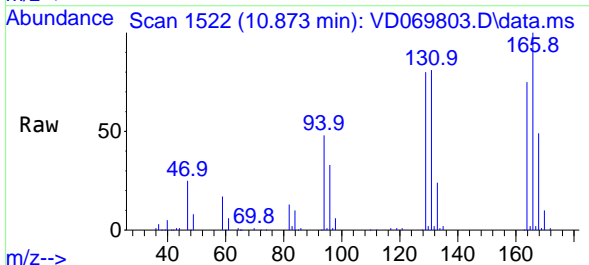
Tgt Ion:117 Resp: 978811

Ion	Ratio	Lower	Upper
117	100		
82	60.3	46.3	69.5
119	32.9	24.7	37.1

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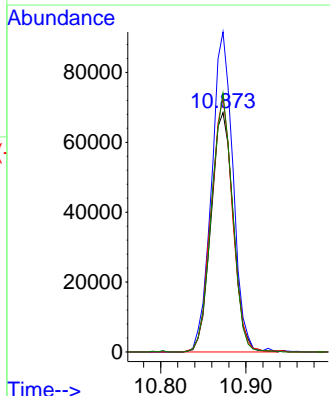
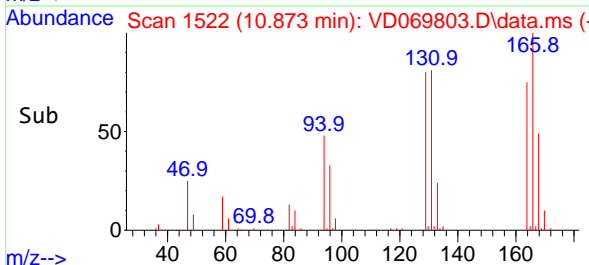


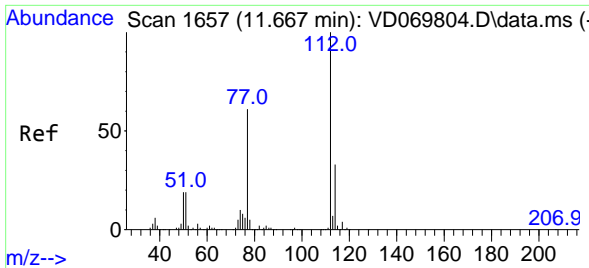
#64  
 Tetrachloroethene  
 Concen: 19.963 ug/l  
 RT: 10.873 min Scan# 1522  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion:164 Resp: 124555

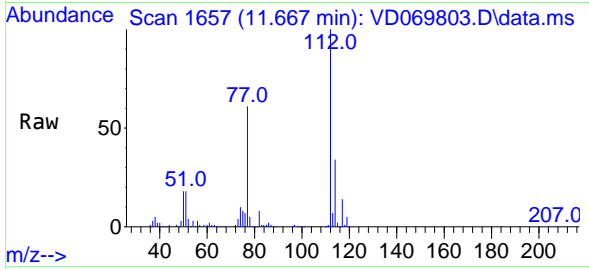
Ion	Ratio	Lower	Upper
164	100		
166	133.7	101.8	152.8
129	106.6	78.8	118.2
131	108.0	79.4	119.0





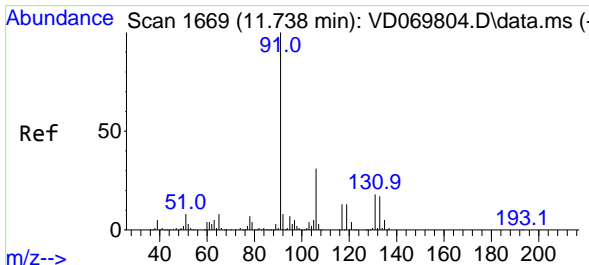
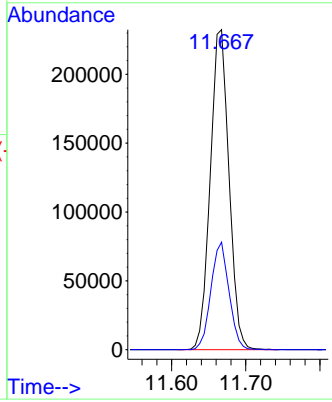
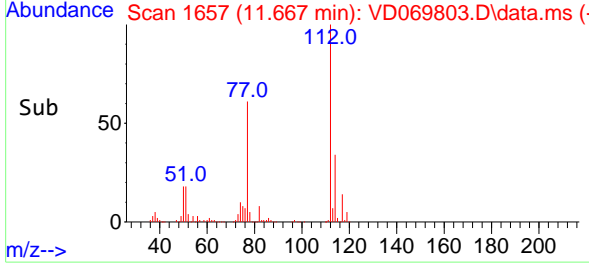
#65  
 Chlorobenzene  
 Concen: 20.099 ug/l  
 RT: 11.667 min Scan# 1657  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020

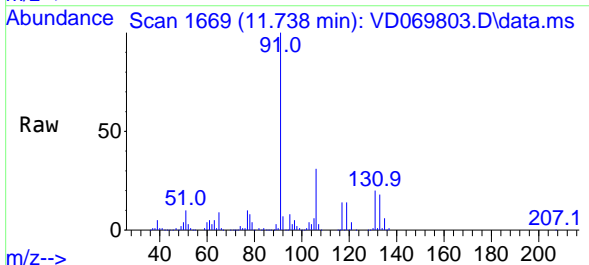


Tgt Ion:112 Resp: 407584  
 Ion Ratio Lower Upper  
 112 100  
 114 33.6 26.5 39.7

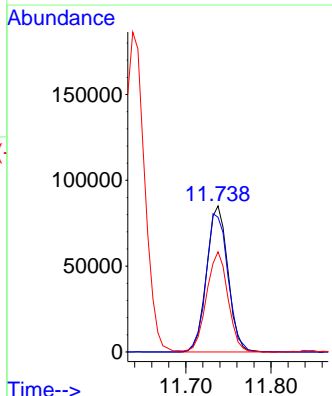
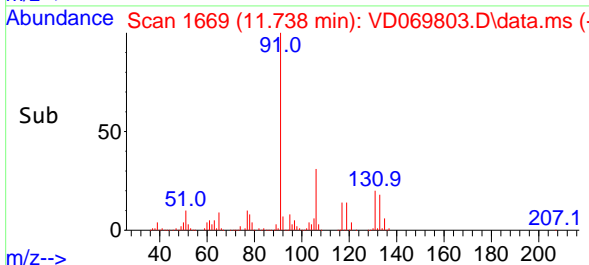
**Manual Integrations**  
**APPROVED**  
 MMDadoda  
 7/23/2021 5:15:18 PM

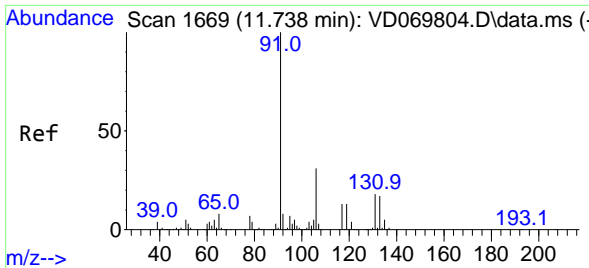


#66  
 1,1,1,2-Tetrachloroethane  
 Concen: 20.223 ug/l  
 RT: 11.738 min Scan# 1669  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



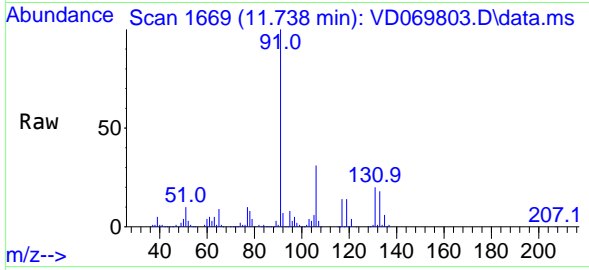
Tgt Ion:131 Resp: 147529  
 Ion Ratio Lower Upper  
 131 100  
 133 97.6 46.4 139.1  
 119 68.8 34.2 102.5





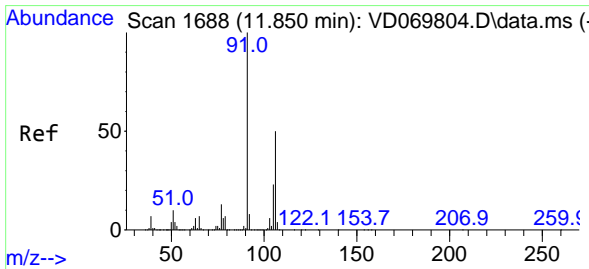
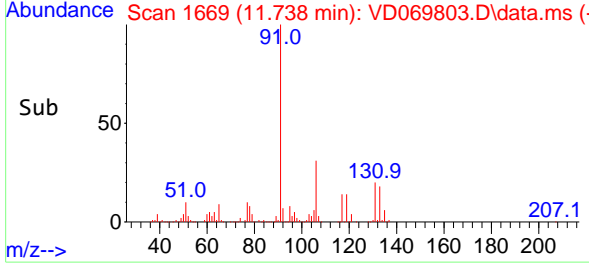
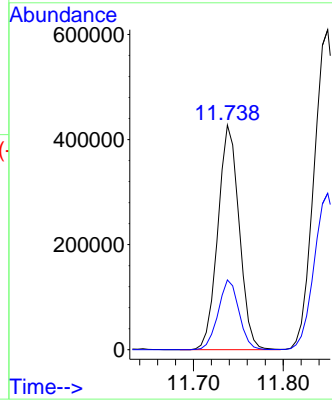
#67  
 Ethyl Benzene  
 Concen: 19.723 ug/l  
 RT: 11.738 min Scan# 1669  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020

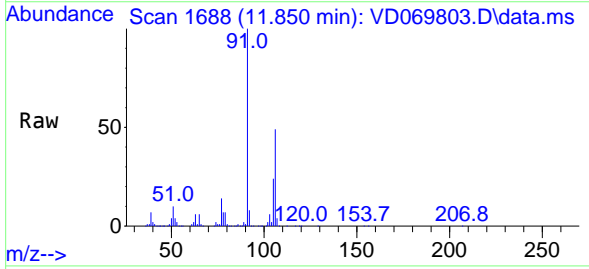


Tgt Ion: 91 Resp: 704152  
 Ion Ratio Lower Upper  
 91 100  
 106 31.0 24.9 37.3

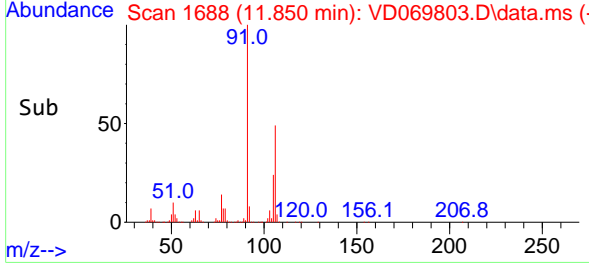
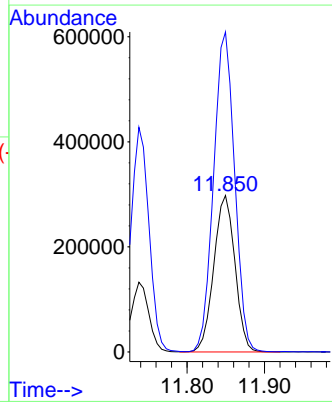
**Manual Integrations**  
**APPROVED**  
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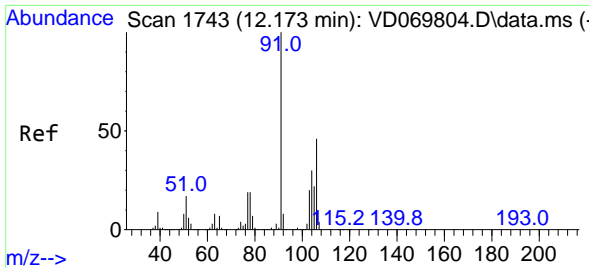


#68  
 m/p-Xylenes  
 Concen: 40.957 ug/l  
 RT: 11.850 min Scan# 1688  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



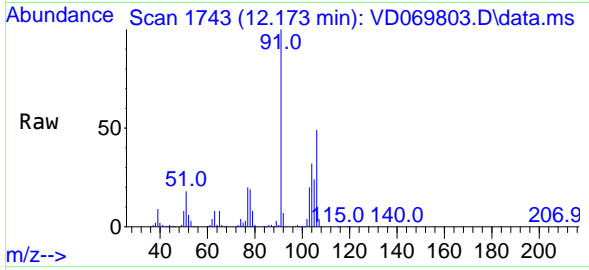
Tgt Ion:106 Resp: 566858  
 Ion Ratio Lower Upper  
 106 100  
 91 202.8 162.4 243.6





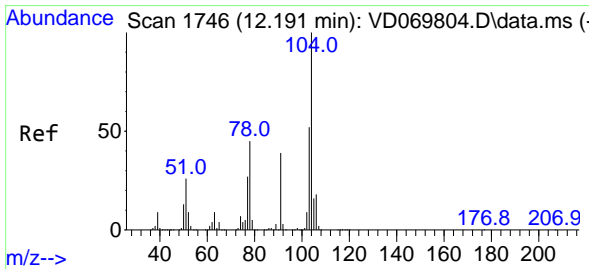
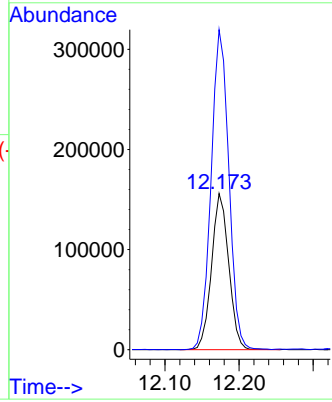
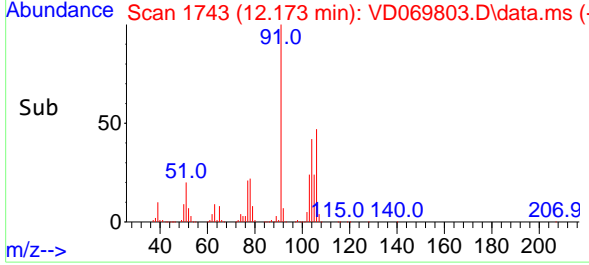
#69  
 o-Xylene  
 Concen: 19.953 ug/l  
 RT: 12.173 min Scan# 1743  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020

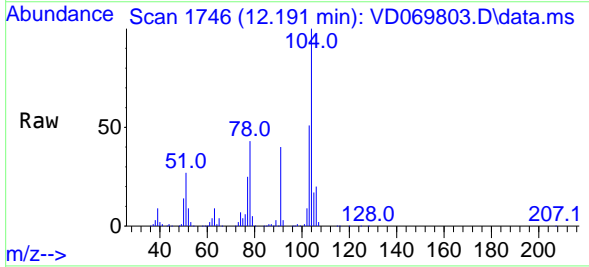


Tgt Ion:106 Resp: 251055  
 Ion Ratio Lower Upper  
 106 100  
 91 211.5 107.6 322.8

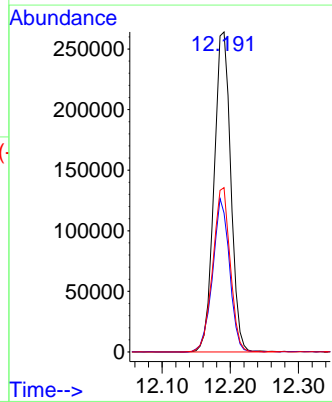
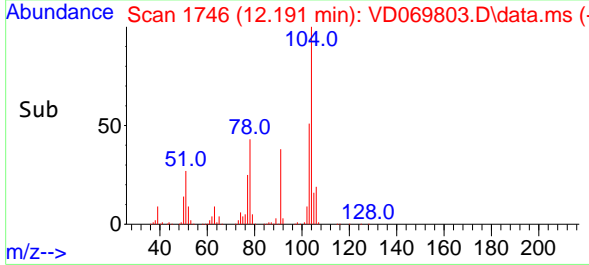
**Manual Integrations**  
**APPROVED**  
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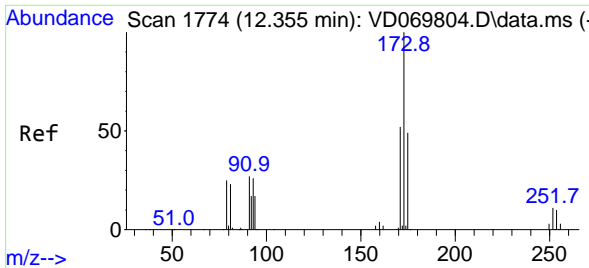


#70  
 Styrene  
 Concen: 20.663 ug/l  
 RT: 12.191 min Scan# 1746  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



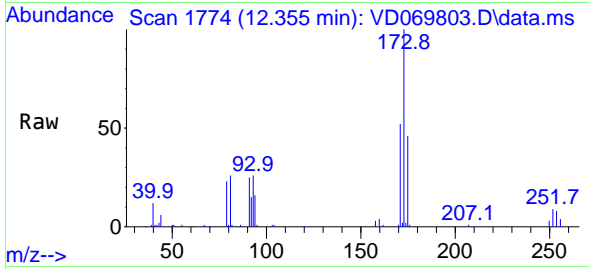
Tgt Ion:104 Resp: 450574  
 Ion Ratio Lower Upper  
 104 100  
 78 48.4 39.7 59.5  
 103 53.5 44.0 66.0





#71  
 Bromoform  
 Concen: 20.401 ug/l  
 RT: 12.355 min Scan# 1774  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

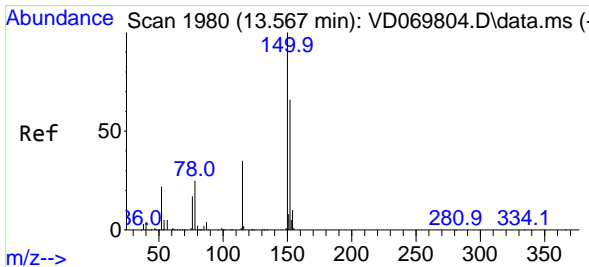
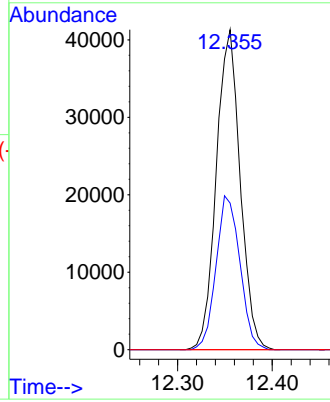
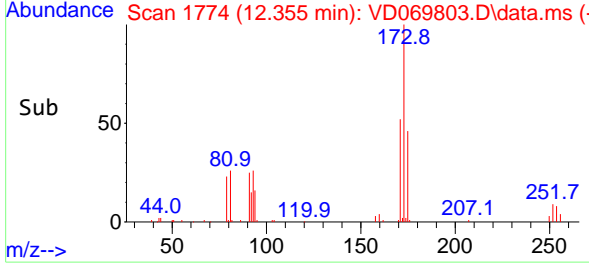
Instrument :  
 MSVOA\_D  
 Client Sampled :  
 VSTDIC020



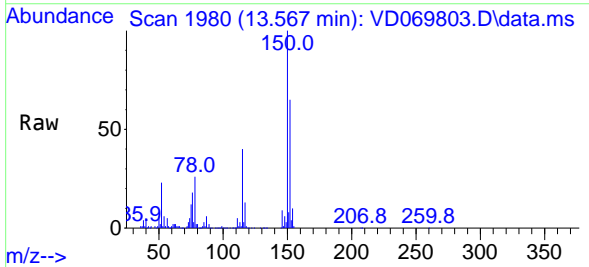
Tgt Ion:173 Resp: 72276  
 Ion Ratio Lower Upper  
 173 100  
 175 48.1 24.1 72.3  
 254 0.0 0.1 0.1#

Manual Integrations  
 APPROVED

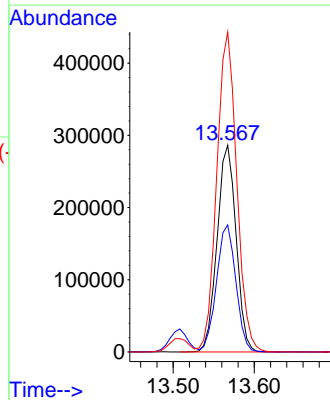
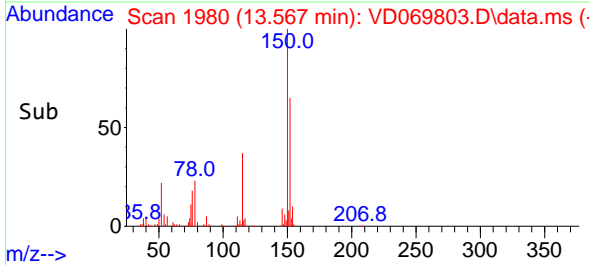
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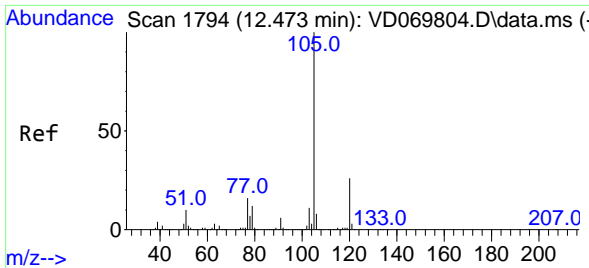
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.567 min Scan# 1980  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion:152 Resp: 466302  
 Ion Ratio Lower Upper  
 152 100  
 115 62.6 31.1 93.3  
 150 162.6 0.0 343.0

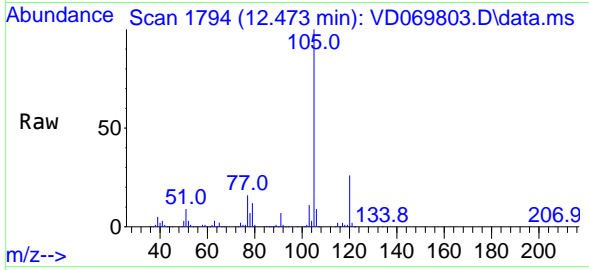






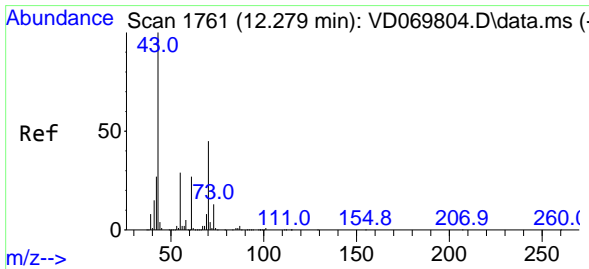
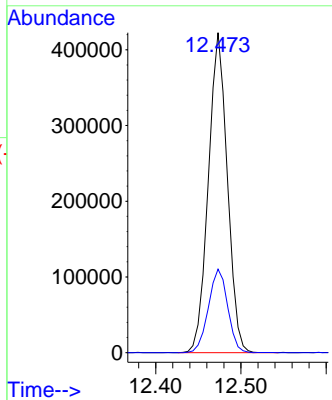
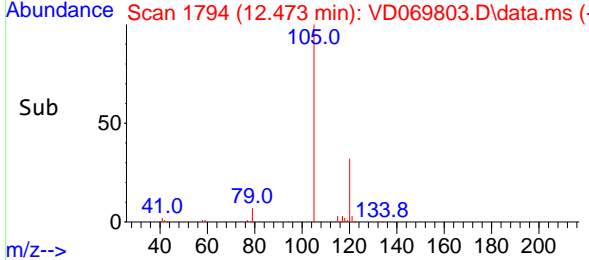
#73  
 Isopropylbenzene  
 Concen: 19.475 ug/l  
 RT: 12.473 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

Instrument : MSVOA\_D  
 Client Sampled : VSTDIC020

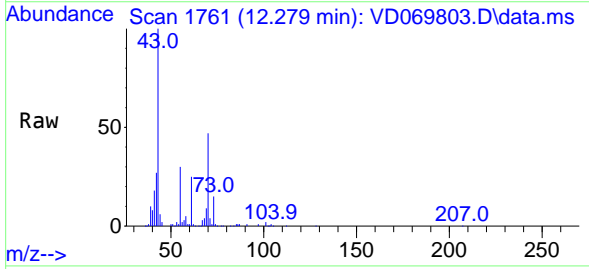


Tgt Ion: 105 Resp: 652486  
 Ion Ratio Lower Upper  
 105 100  
 120 26.5 13.0 38.9

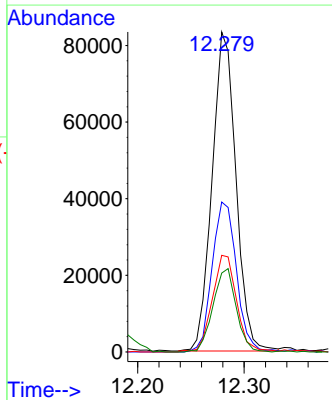
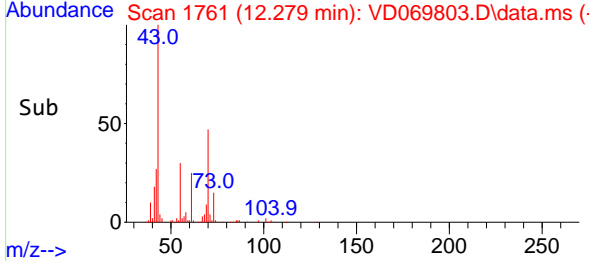
Manual Integrations APPROVED  
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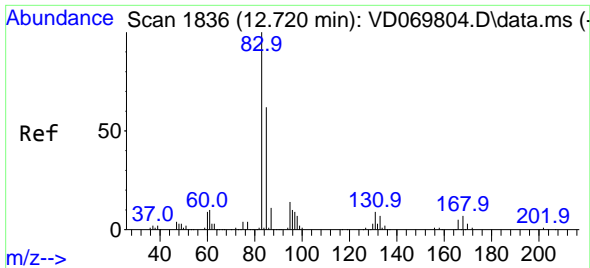


#74  
 N-ethyl acetate  
 Concen: 18.776 ug/l  
 RT: 12.279 min Scan# 1761  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



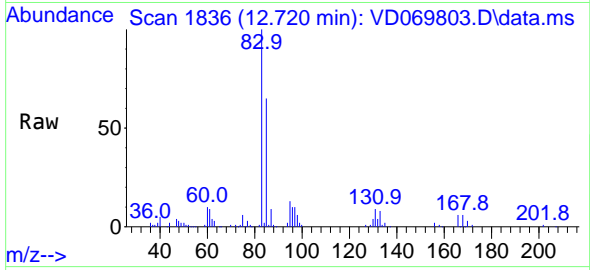
Tgt Ion: 43 Resp: 129397  
 Ion Ratio Lower Upper  
 43 100  
 70 48.2 37.9 56.9  
 55 30.9 23.7 35.5  
 61 25.5 20.9 31.3





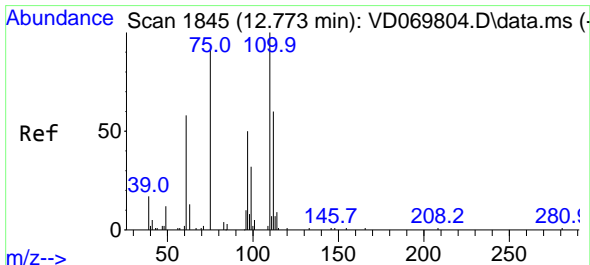
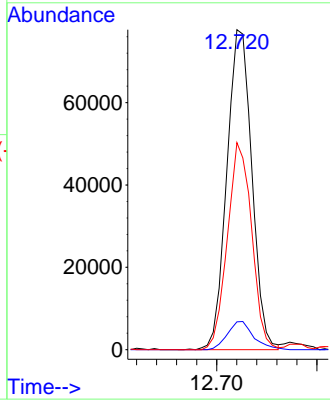
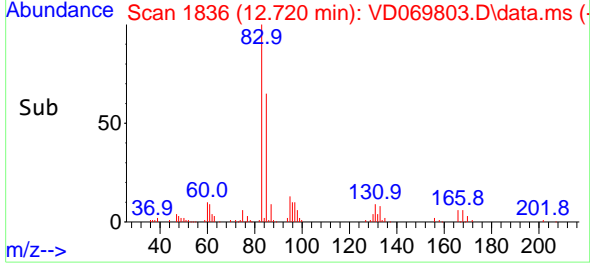
#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 20.166 ug/l  
 RT: 12.720 min Scan# 1836  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**Client Sampled :**  
 VSTDIC020

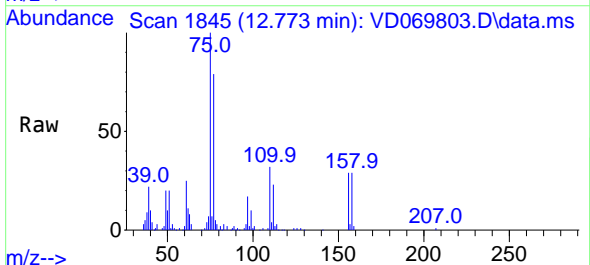


Tgt Ion: 83 Resp: 134929  
 Ion Ratio Lower Upper  
 83 100  
 131 9.2 4.9 14.6  
 85 62.7 31.8 95.4

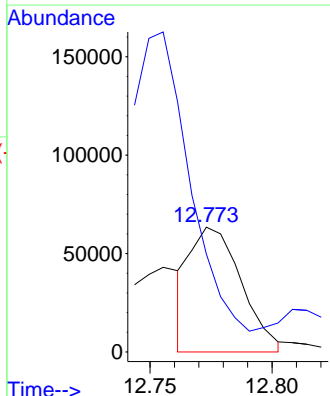
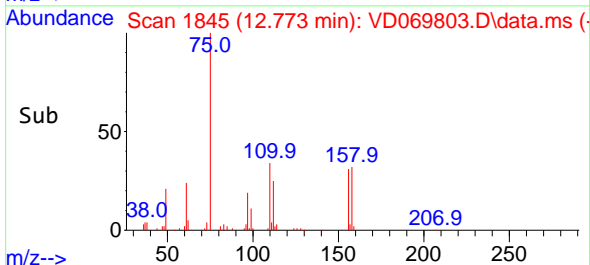
**Manual Integrations**  
**APPROVED**  
 MMDadoda  
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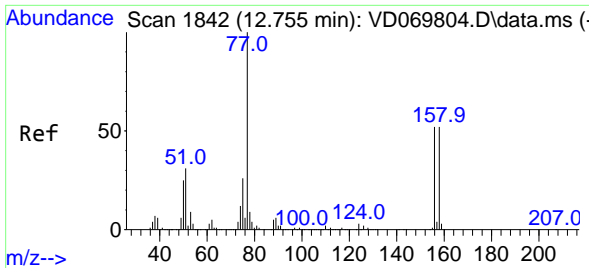


#76  
 1,2,3-Trichloropropane  
 Concen: 25.381 ug/l m  
 RT: 12.773 min Scan# 1845  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



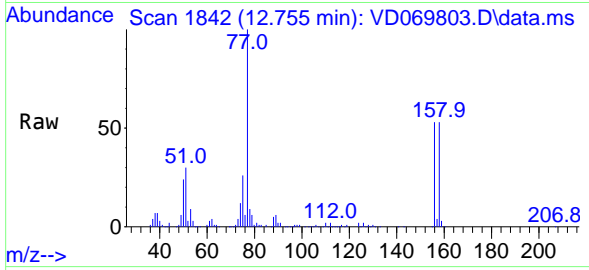
Tgt Ion: 75 Resp: 92401  
 Ion Ratio Lower Upper  
 75 100  
 77 337.8 181.5 544.5





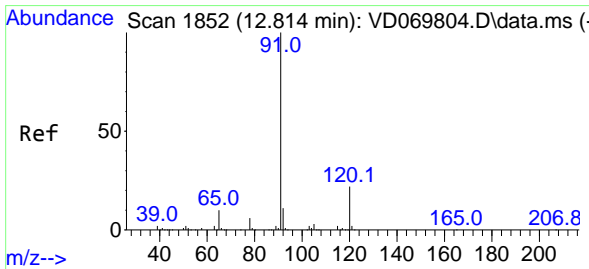
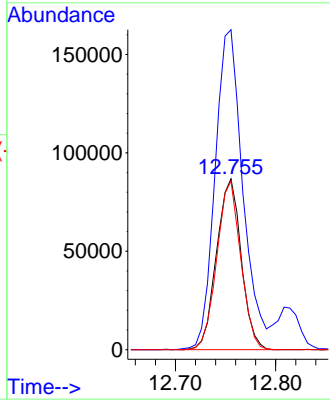
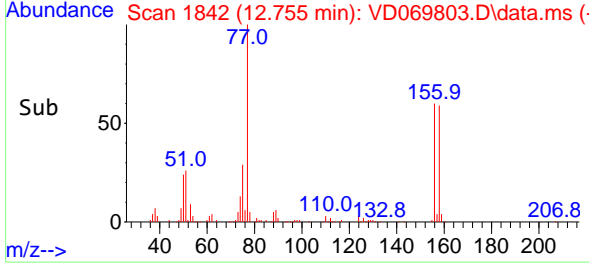
#77  
 Bromobenzene  
 Concen: 19.656 ug/l  
 RT: 12.755 min Scan# 1842  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020

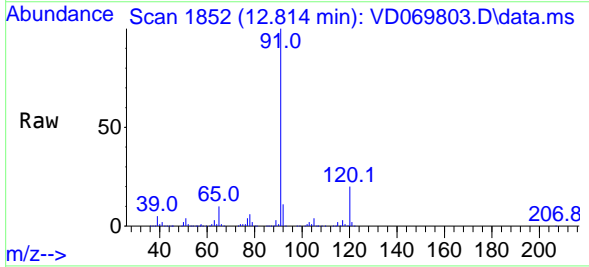


Tgt Ion:156 Resp: 148324  
 Ion Ratio Lower Upper  
 156 100  
 77 210.5 107.1 321.3  
 158 95.6 48.1 144.3

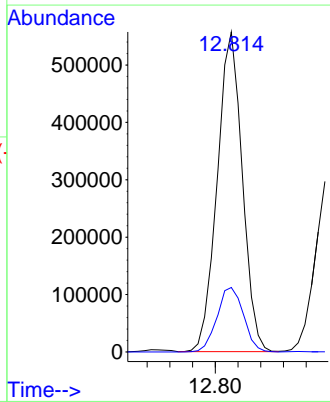
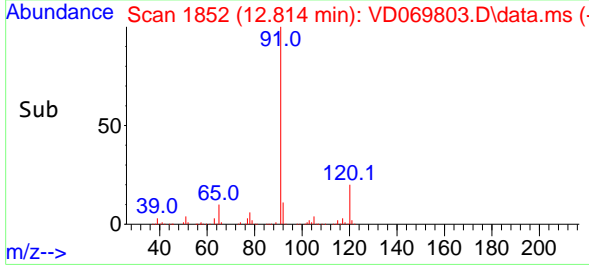
**Manual Integrations**  
**APPROVED**  
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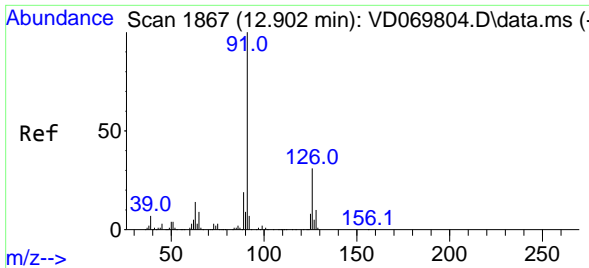


#78  
 n-propylbenzene  
 Concen: 19.838 ug/l  
 RT: 12.814 min Scan# 1852  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



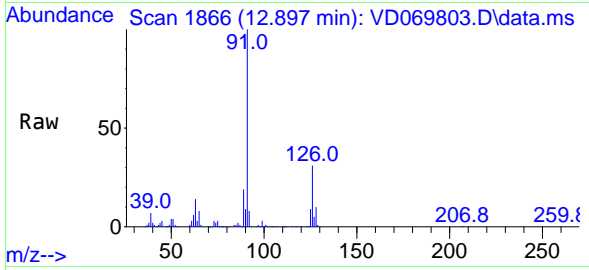
Tgt Ion: 91 Resp: 853656  
 Ion Ratio Lower Upper  
 91 100  
 120 21.3 10.9 32.7





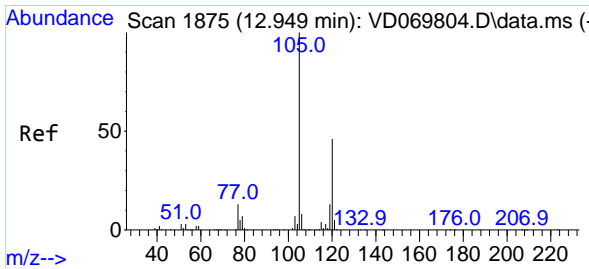
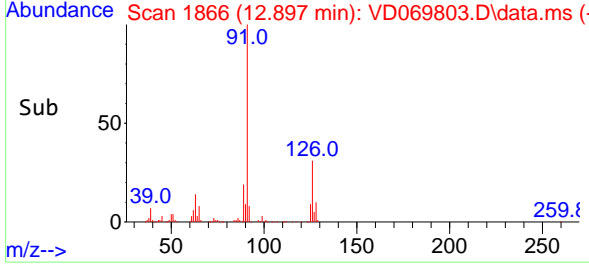
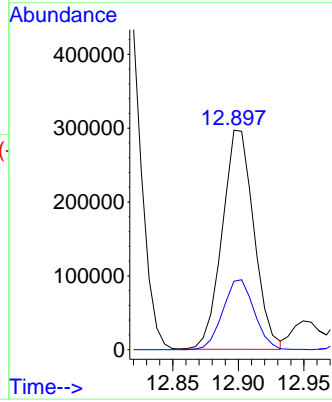
#79  
 2-Chlorotoluene  
 Concen: 19.971 ug/l  
 RT: 12.897 min Scan# 1866  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**Client Sampled :**  
 VSTDIC020



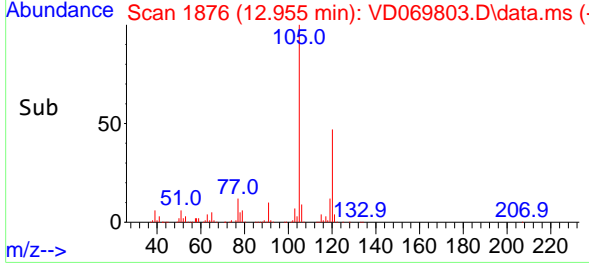
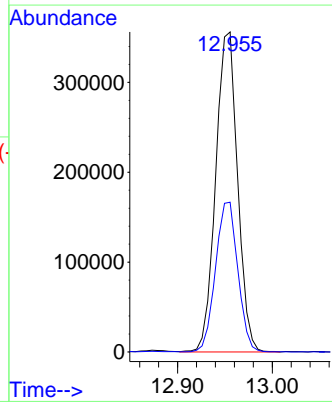
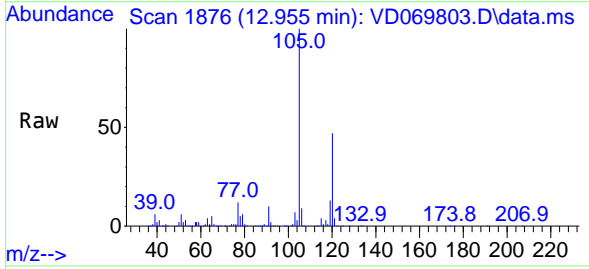
Tgt Ion: 91 Resp: 499191  
 Ion Ratio Lower Upper  
 91 100  
 126 31.7 15.9 47.7

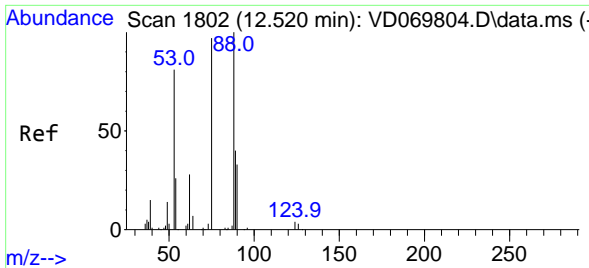
**Manual Integrations**  
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#80  
 1,3,5-Trimethylbenzene  
 Concen: 19.954 ug/l  
 RT: 12.955 min Scan# 1876  
 Delta R.T. 0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

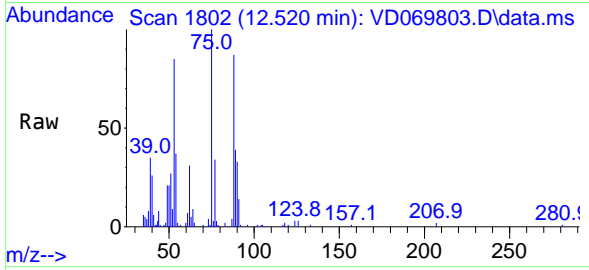
Tgt Ion: 105 Resp: 571907  
 Ion Ratio Lower Upper  
 105 100  
 120 47.8 23.8 71.2





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 19.409 ug/l  
 RT: 12.520 min Scan# 1802  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

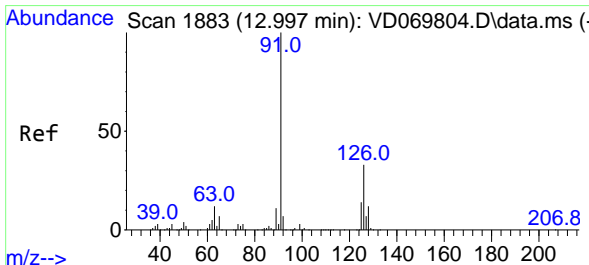
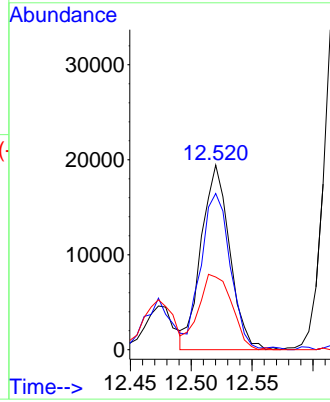
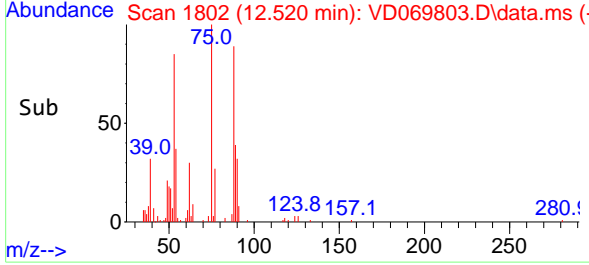
Instrument : MSVOA\_D  
 ClientSampled : VSTDIC020



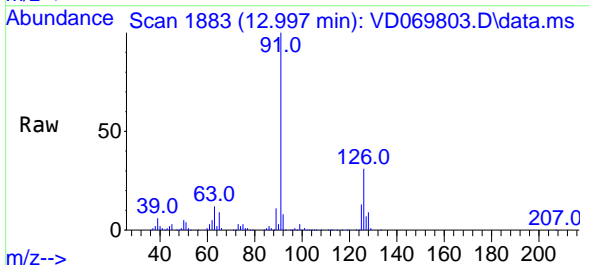
Tgt Ion: 75 Resp: 31710

Ion	Ratio	Lower	Upper
75	100		
53	86.3	67.2	100.8
89	47.8	35.8	53.6

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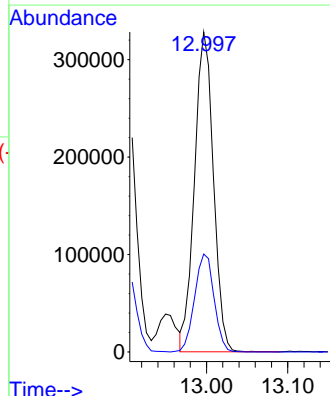
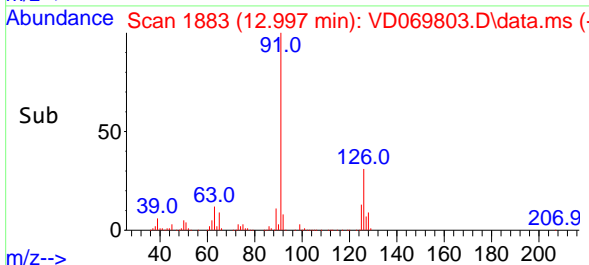


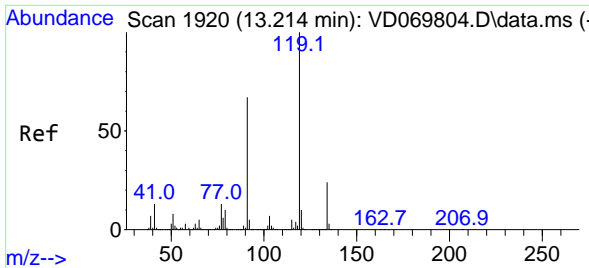
#82  
 4-Chlorotoluene  
 Concen: 20.266 ug/l  
 RT: 12.997 min Scan# 1883  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion: 91 Resp: 529600

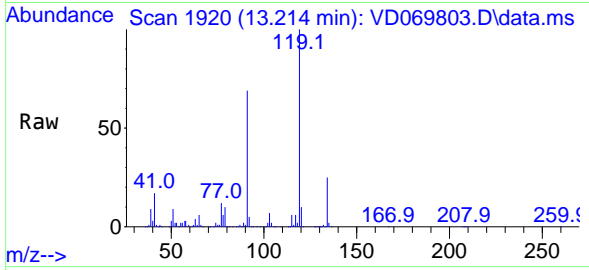
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.6





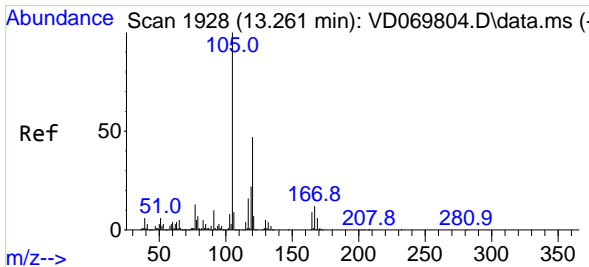
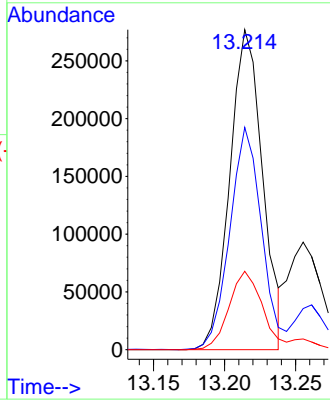
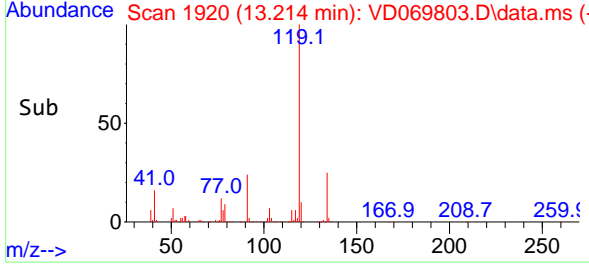
#83  
 tert-Butylbenzene  
 Concen: 19.162 ug/l  
 RT: 13.214 min Scan# 1920  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020

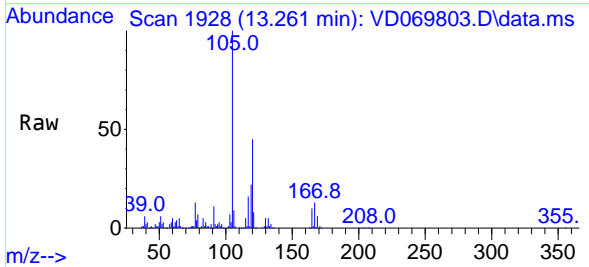


Tgt Ion:119 Resp: 446523  
 Ion Ratio Lower Upper  
 119 100  
 91 67.7 33.7 101.1  
 134 24.9 13.3 39.8

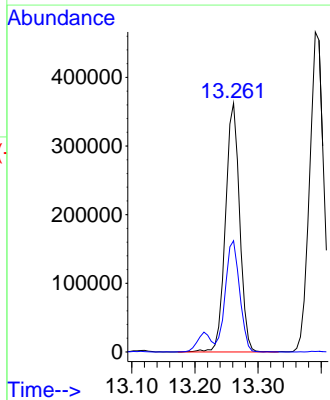
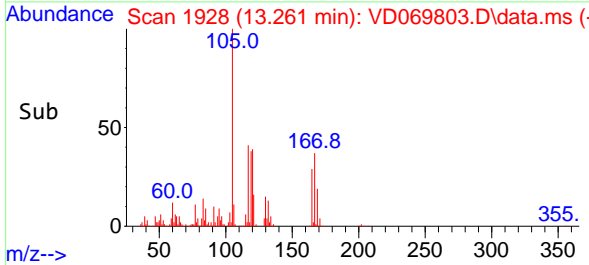
**Manual Integrations**  
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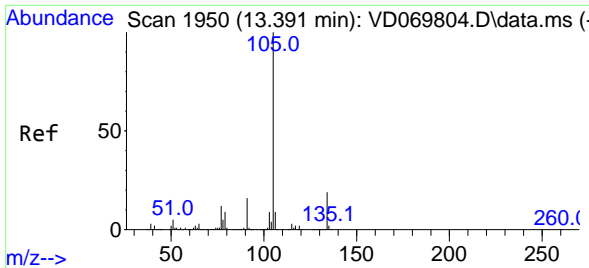


#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.916 ug/l  
 RT: 13.261 min Scan# 1928  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



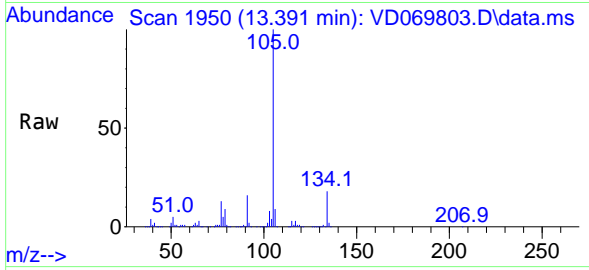
Tgt Ion:105 Resp: 563128  
 Ion Ratio Lower Upper  
 105 100  
 120 45.1 22.6 67.8





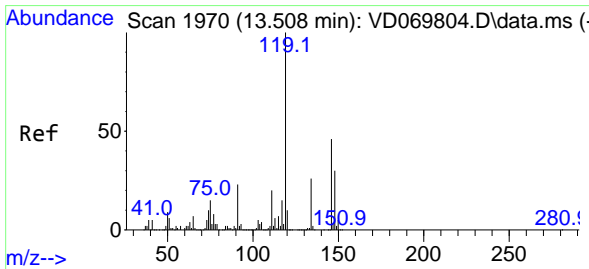
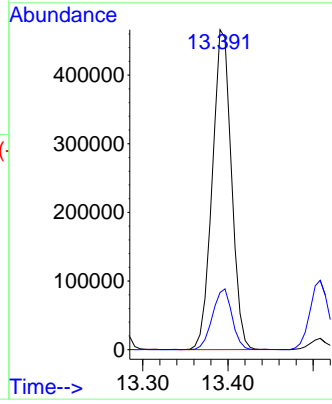
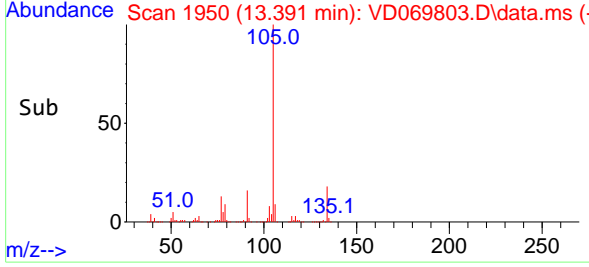
#85  
 sec-Butylbenzene  
 Concen: 19.731 ug/l  
 RT: 13.391 min Scan# 1950  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

Instrument : MSVOA\_D  
 ClientSampled : VSTDIC020

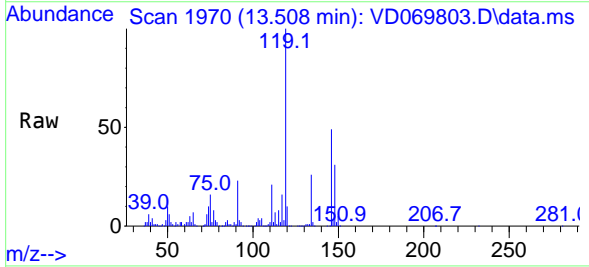


Tgt Ion:105 Resp: 726837  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 9.6 28.6

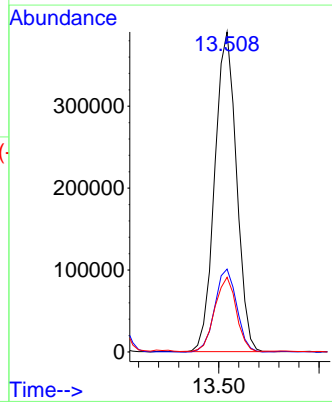
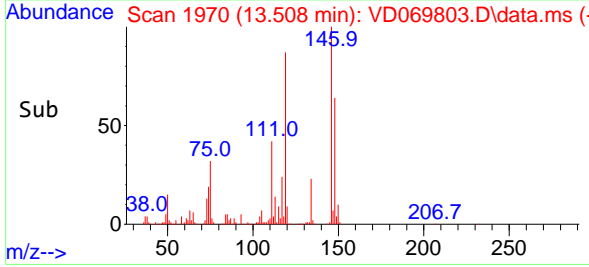
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**APPROVED**  
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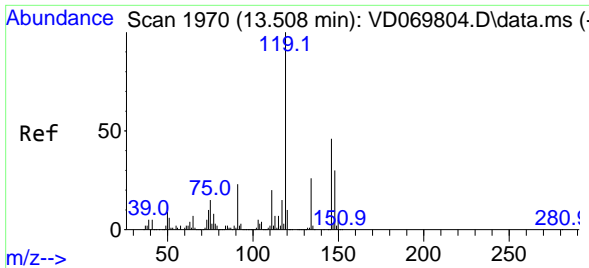


#86  
 p-Isopropyltoluene  
 Concen: 19.605 ug/l  
 RT: 13.508 min Scan# 1970  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



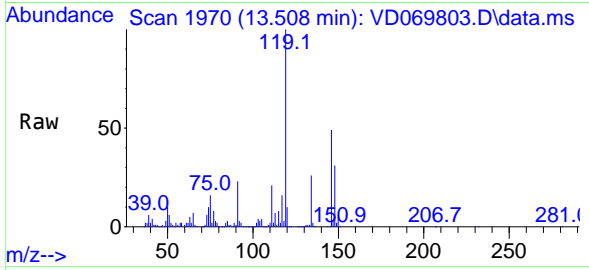
Tgt Ion:119 Resp: 586747  
 Ion Ratio Lower Upper  
 119 100  
 134 26.1 12.6 37.8  
 91 22.9 11.7 35.1





#87  
 1,3-Dichlorobenzene  
 Concen: 19.821 ug/l  
 RT: 13.508 min Scan# 1970  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

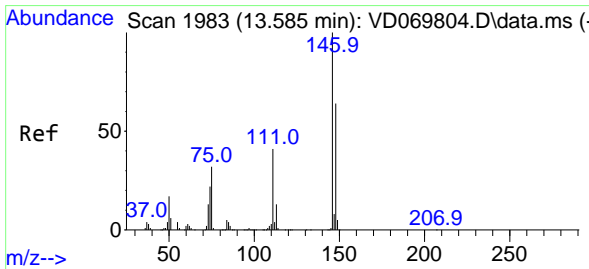
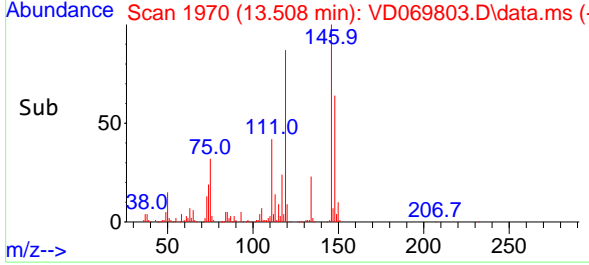
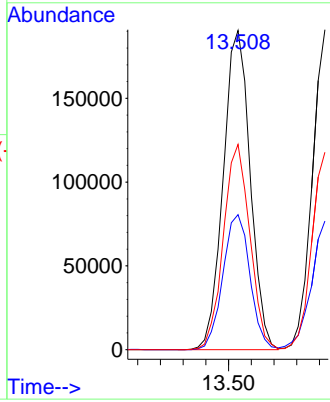
**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020



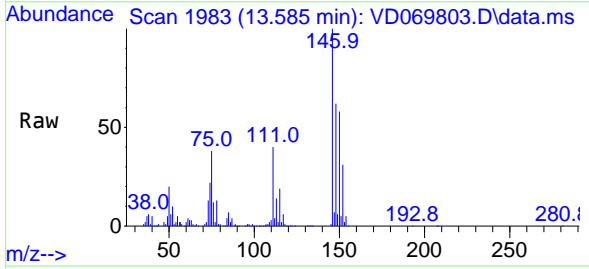
Tgt Ion:146 Resp: 314020

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.7	65.1
148	63.2	32.1	96.3

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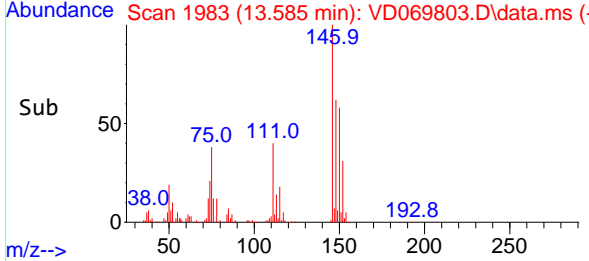
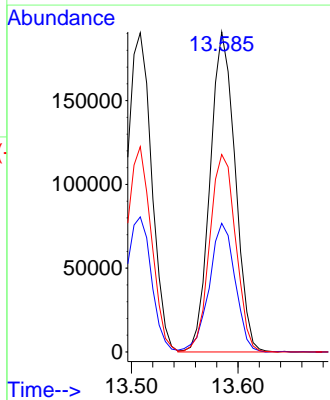


#88  
 1,4-Dichlorobenzene  
 Concen: 19.775 ug/l  
 RT: 13.585 min Scan# 1983  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

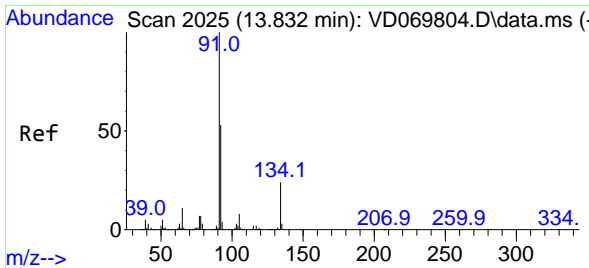


Tgt Ion:146 Resp: 312258

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.4
148	64.0	31.6	95.0

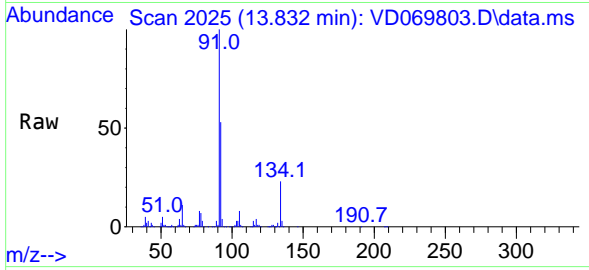






#89  
 n-Butylbenzene  
 Concen: 19.006 ug/l  
 RT: 13.832 min Scan# 2025  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

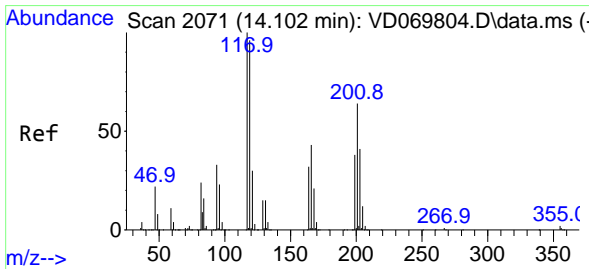
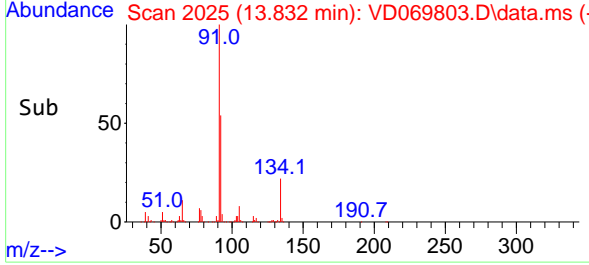
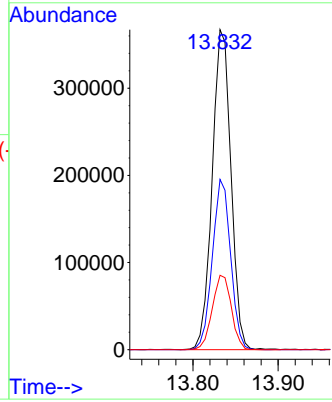
**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020



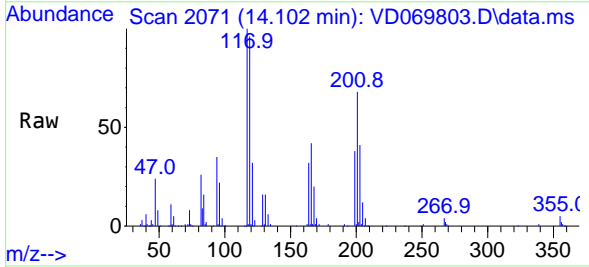
Tgt Ion: 91 Resp: 561366

Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.6	79.7
134	23.6	11.9	35.7

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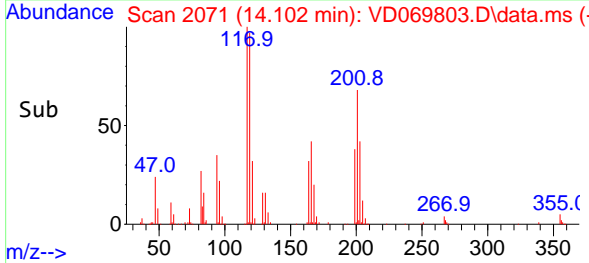
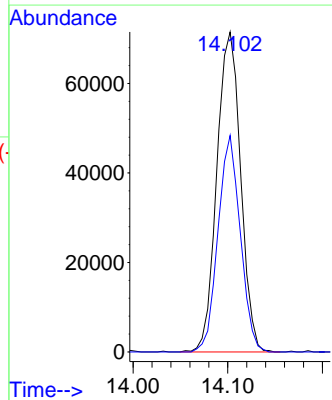


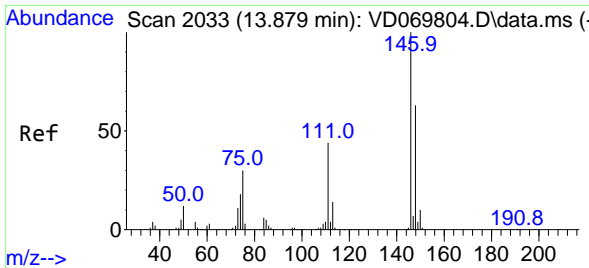
#90  
 Hexachloroethane  
 Concen: 19.696 ug/l  
 RT: 14.102 min Scan# 2071  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion: 117 Resp: 124864

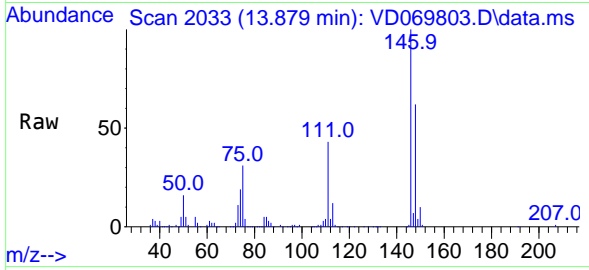
Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.5





#91  
 1,2-Dichlorobenzene  
 Concen: 19.885 ug/l  
 RT: 13.879 min Scan# 2033  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

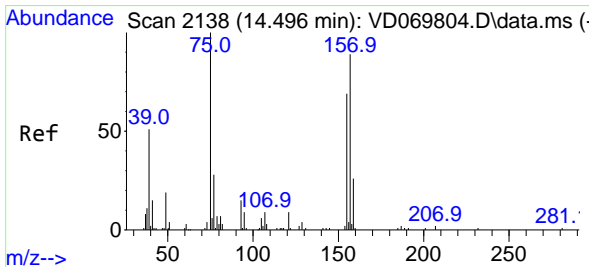
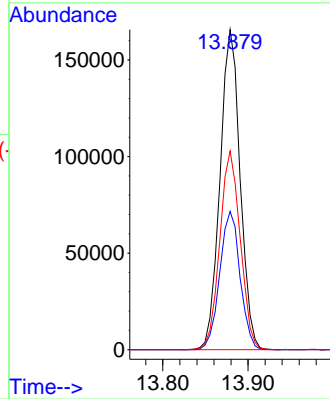
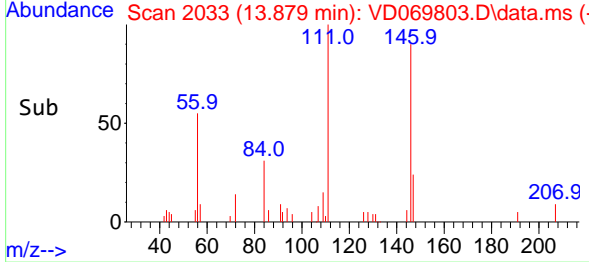
Instrument :  
 MSVOA\_D  
 ClientSampled :  
 VSTDIC020



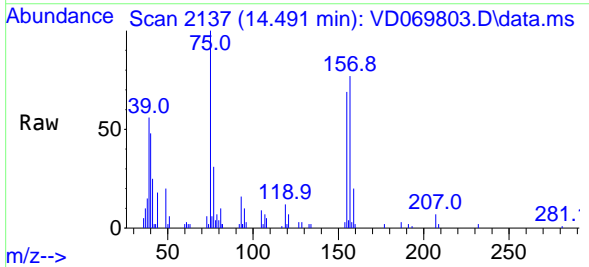
Tgt Ion:146 Resp: 271903  
 Ion Ratio Lower Upper  
 146 100  
 111 43.6 21.7 65.1  
 148 63.1 31.2 93.6

Manual Integrations  
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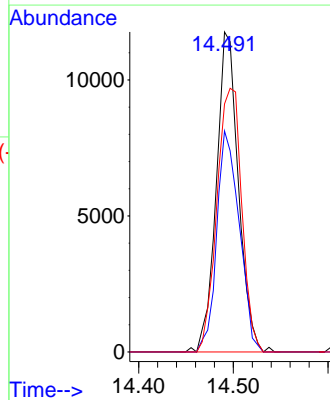
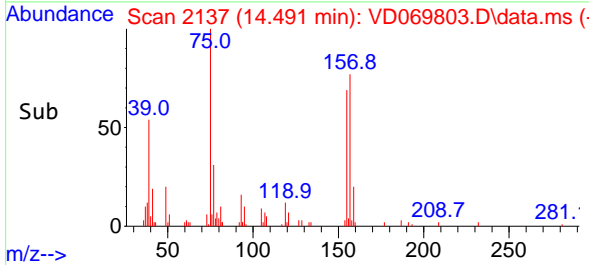
MMDadoda  
 7/23/2021 5:15:18 PM

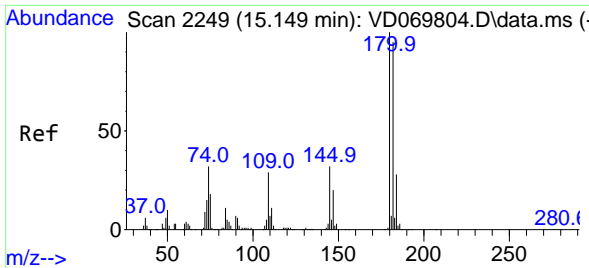


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.787 ug/l  
 RT: 14.491 min Scan# 2137  
 Delta R.T. -0.006 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



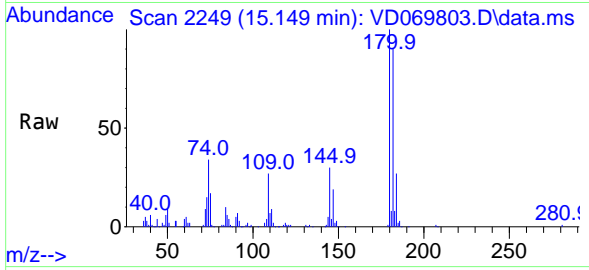
Tgt Ion: 75 Resp: 19064  
 Ion Ratio Lower Upper  
 75 100  
 155 70.4 36.3 108.9  
 157 92.7 47.0 141.0





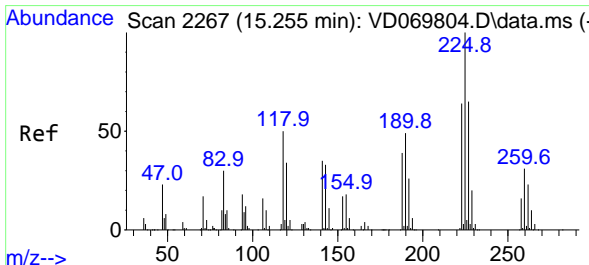
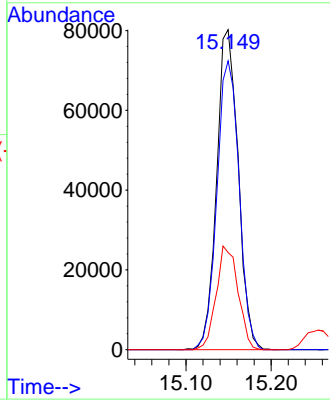
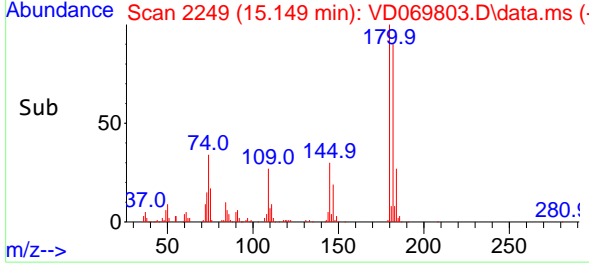
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.049 ug/l  
 RT: 15.149 min Scan# 2249  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

**Instrument :**  
 MSVOA\_D  
**ClientSampled :**  
 VSTDIC020

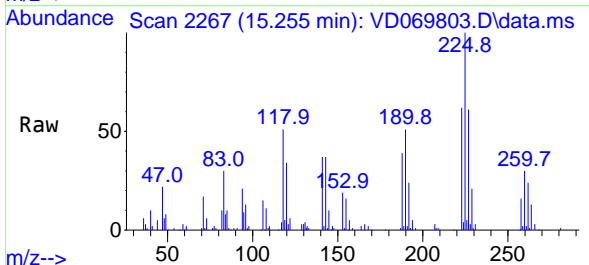


Tgt Ion:180 Resp: 140536  
 Ion Ratio Lower Upper  
 180 100  
 182 92.9 47.6 142.9  
 145 32.9 16.4 49.2

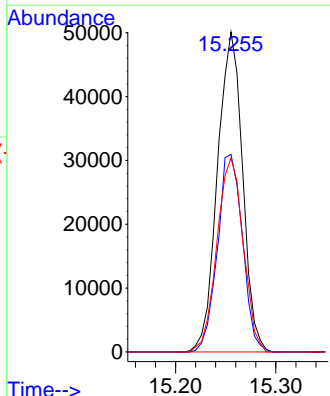
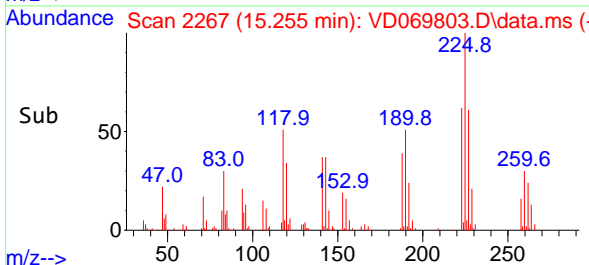
**Manual Integrations**  
**APPROVED**  
 MMDadoda  
 7/23/2021 5:15:18 PM

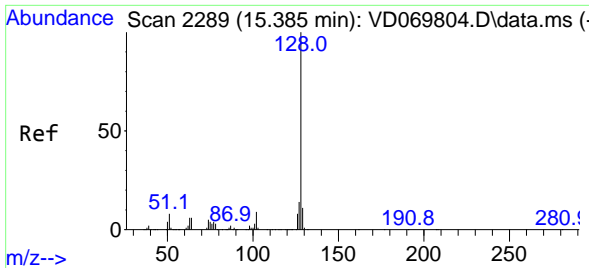


#94  
 Hexachlorobutadiene  
 Concen: 19.301 ug/l  
 RT: 15.255 min Scan# 2267  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



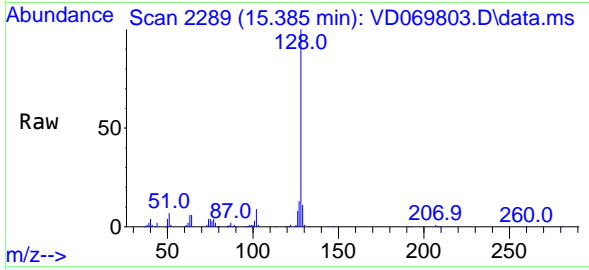
Tgt Ion:225 Resp: 87107  
 Ion Ratio Lower Upper  
 225 100  
 223 61.6 31.5 94.5  
 227 63.3 31.9 95.7





#95  
 Naphthalene  
 Concen: 18.078 ug/l  
 RT: 15.385 min Scan# 2289  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09

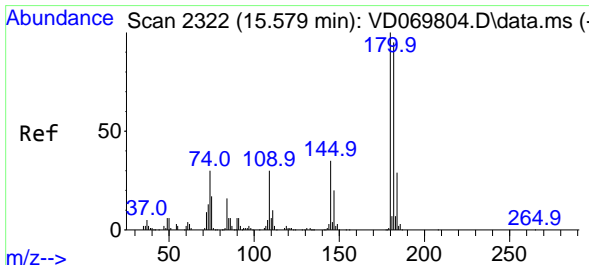
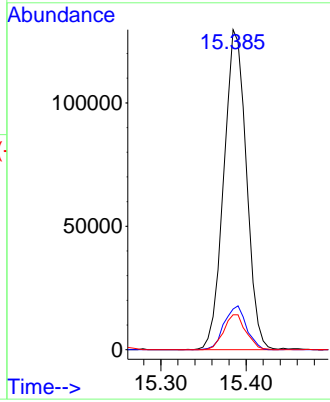
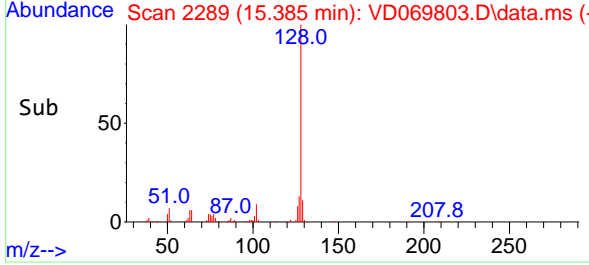
Instrument : MSVOA\_D  
 Client Sampled : VSTDIC020



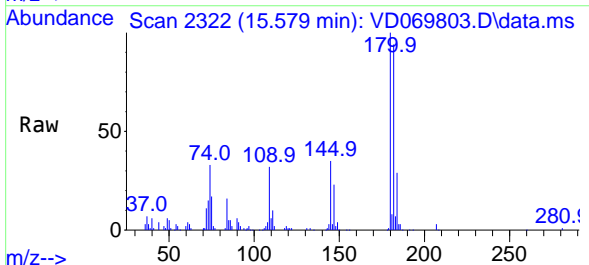
Tgt Ion:128 Resp: 238072

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.8	8.6	12.8

Manual Integrations  
**APPROVED**  
 MMDadoda  
 7/23/2021 5:15:18 PM



#96  
 1,2,3-Trichlorobenzene  
 Concen: 19.437 ug/l  
 RT: 15.579 min Scan# 2322  
 Delta R.T. 0.000 min  
 Lab File: VD069803.D  
 Acq: 22 Jul 2021 11:09



Tgt Ion:180 Resp: 124011

Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.3	142.0
145	33.5	17.3	51.9

