

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031621\
 Data File : VD068629.D
 Acq On : 16 Mar 2021 14:01
 Operator : VA/SY
 Sample : M1458-02 5PPBLOQ
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2021

Manual Integrations
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 3/17/2021 11:47:41 AM

Quant Time: Mar 17 01:20:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 01:19:06 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	236314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	405001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	373876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	202352	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	119036	50.41	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.82%			
35) Dibromofluoromethane	7.920	113	126908	52.02	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.04%			
50) Toluene-d8	10.343	98	479104	49.30	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.60%			
62) 4-Bromofluorobenzene	12.632	95	162228	51.80	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.60%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	11856	5.17	ug/l	97
3) Chloromethane	2.209	50	16646	5.74	ug/l	100
4) Vinyl Chloride	2.350	62	18654	5.42	ug/l	97
5) Bromomethane	2.767	94	14514	5.92	ug/l	96
6) Chloroethane	2.926	64	11607	5.22	ug/l #	79
7) Trichlorofluoromethane	3.279	101	23067	5.88	ug/l	91
8) Diethyl Ether	3.720	74	6180	5.29	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	14326	5.99	ug/l #	40
10) Methyl Iodide	4.303	142	11073	4.36	ug/l	92
11) Tert butyl alcohol	5.214	59	4059m	32.20	ug/l	
12) 1,1-Dichloroethene	4.067	96	12774	5.38	ug/l	86
13) Acrolein	3.920	56	3555	19.73	ug/l	98
14) Allyl chloride	4.720	41	16278	5.31	ug/l	96
15) Acrylonitrile	5.438	53	14044	28.47	ug/l	97
16) Acetone	4.161	43	10285	27.42	ug/l	97
17) Carbon Disulfide	4.414	76	44011	5.66	ug/l	97
18) Methyl Acetate	4.726	43	5541	5.73	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	30496	5.93	ug/l	96
20) Methylene Chloride	4.967	84	24806	7.79	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	17794	6.28	ug/l	90
22) Diisopropyl ether	6.373	45	33389	4.95	ug/l #	90
23) Vinyl Acetate	6.314	43	73859	21.10	ug/l	96
24) 1,1-Dichloroethane	6.267	63	25930	5.61	ug/l	98
25) 2-Butanone	7.220	43	13265	24.61	ug/l #	83
26) 2,2-Dichloropropane	7.214	77	21747	5.64	ug/l	94
27) cis-1,2-Dichloroethene	7.220	96	16335	5.25	ug/l	96
28) Bromochloromethane	7.549	49	10361	5.74	ug/l #	81
29) Tetrahydrofuran	7.567	42	8219	23.48	ug/l	94
30) Chloroform	7.720	83	27286	5.59	ug/l	90
31) Cyclohexane	7.985	56	25810	6.01	ug/l #	86
32) 1,1,1-Trichloroethane	7.908	97	24099	5.78	ug/l	95
36) 1,1-Dichloropropene	8.120	75	22652	5.88	ug/l	93
37) Ethyl Acetate	7.291	43	6494	5.08	ug/l #	88
38) Carbon Tetrachloride	8.102	117	20343	5.62	ug/l	92
39) Methylcyclohexane	9.361	83	23997	5.05	ug/l	95
40) Benzene	8.349	78	61790	5.60	ug/l	92

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	3803m	5.13	ug/l	
42) 1,2-Dichloroethane	8.426	62	16244	5.59	ug/l	98
43) Isopropyl Acetate	8.449	43	11830	5.04	ug/l #	92
44) Trichloroethene	9.108	130	17159	5.66	ug/l	87
45) 1,2-Dichloropropane	9.385	63	14671	5.56	ug/l	97
46) Dibromomethane	9.473	93	7815	5.44	ug/l	95
47) Bromodichloromethane	9.667	83	20984	5.65	ug/l	92
48) Methyl methacrylate	9.461	41	6282	5.02	ug/l	94
49) 1,4-Dioxane	9.467	88	1564	95.49	ug/l #	85
51) 4-Methyl-2-Pentanone	10.232	43	30121	24.52	ug/l	98
52) Toluene	10.402	92	39000	5.53	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	18447	5.37	ug/l	89
54) cis-1,3-Dichloropropene	10.090	75	22704	5.42	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	10867	5.47	ug/l	91
56) Ethyl methacrylate	10.661	69	10293	4.51	ug/l	94
57) 1,3-Dichloropropane	10.943	76	17530	5.05	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.943	63	29157	25.44	ug/l	96
59) 2-Hexanone	10.985	43	19174	23.42	ug/l	99
60) Dibromochloromethane	11.143	129	13021	5.29	ug/l	97
61) 1,2-Dibromoethane	11.249	107	10086	5.19	ug/l	99
64) Tetrachloroethene	10.879	164	14110	5.78	ug/l	95
65) Chlorobenzene	11.673	112	42378	5.57	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	14324	5.41	ug/l	93
67) Ethyl Benzene	11.743	91	69852	5.14	ug/l	99
68) m/p-Xylenes	11.849	106	53870	10.44	ug/l	95
69) o-Xylene	12.179	106	23282	4.90	ug/l	96
70) Styrene	12.196	104	41916	5.16	ug/l	97
71) Bromoform	12.355	173	7640	5.68	ug/l #	95
73) Isopropylbenzene	12.479	105	67369	4.49	ug/l	98
74) N-amyl acetate	12.284	43	9600	3.75	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	12963	5.02	ug/l	96
76) 1,2,3-Trichloropropane	12.784	75	7238m	4.03	ug/l	
77) Bromobenzene	12.755	156	17389	5.08	ug/l	92
78) n-propylbenzene	12.820	91	87804	4.90	ug/l	97
79) 2-Chlorotoluene	12.902	91	50750	5.10	ug/l	100
80) 1,3,5-Trimethylbenzene	12.961	105	59823	4.86	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.526	75	3146	4.09	ug/l	95
82) 4-Chlorotoluene	13.002	91	52411	5.00	ug/l	99
83) tert-Butylbenzene	13.220	119	49112	4.69	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	59218	4.81	ug/l	100
85) sec-Butylbenzene	13.402	105	71978	4.87	ug/l	99
86) p-Isopropyltoluene	13.514	119	64172	4.78	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	34785	5.26	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	37149	5.67	ug/l	94
89) n-Butylbenzene	13.837	91	64731	5.00	ug/l	96
90) Hexachloroethane	14.108	117	13234	4.96	ug/l	94
91) 1,2-Dichlorobenzene	13.890	146	30503	5.38	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.496	75	2058	4.52	ug/l	84
93) 1,2,4-Trichlorobenzene	15.155	180	20920	4.77	ug/l	98
94) Hexachlorobutadiene	15.267	225	12312	5.06	ug/l	98
95) Naphthalene	15.396	128	32075	4.04	ug/l	97
96) 1,2,3-Trichlorobenzene	15.590	180	18709	4.93	ug/l	91

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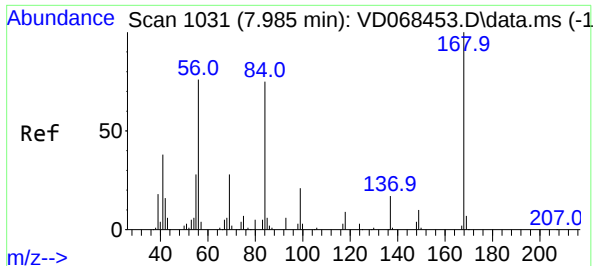
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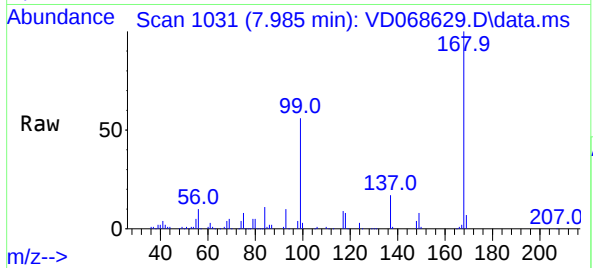
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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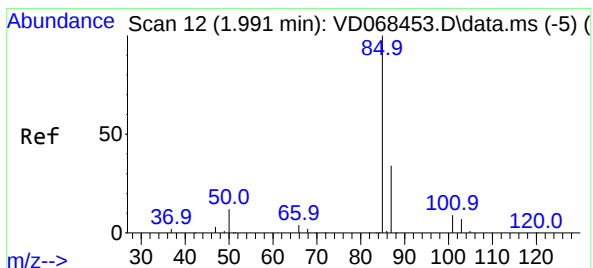
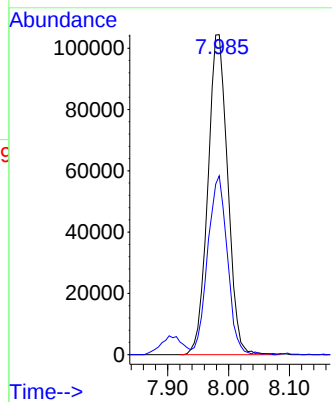
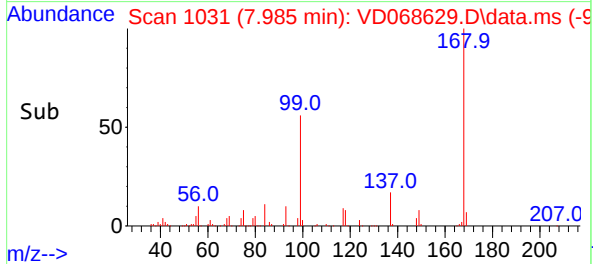
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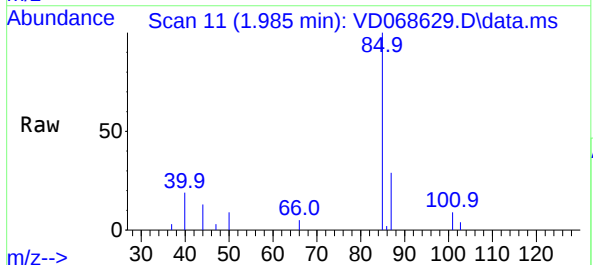
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Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



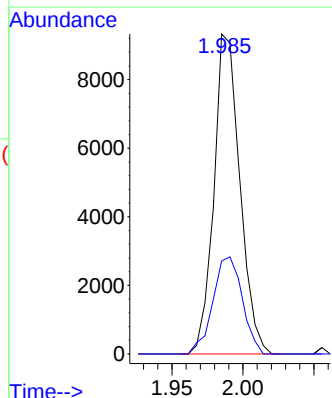
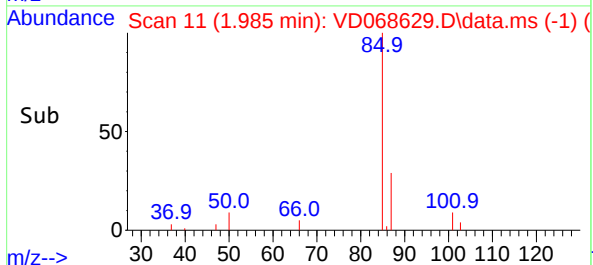
Tgt Ion: 168 Resp: 236314
Ion Ratio Lower Upper
168 100
99 55.6 43.5 65.3



#2
Dichlorodifluoromethane
Concen: 5.17 ug/l
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



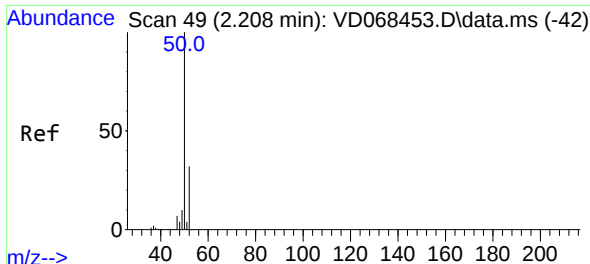
Tgt Ion: 85 Resp: 11856
Ion Ratio Lower Upper
85 100
87 29.0 15.4 46.1



Instrument :
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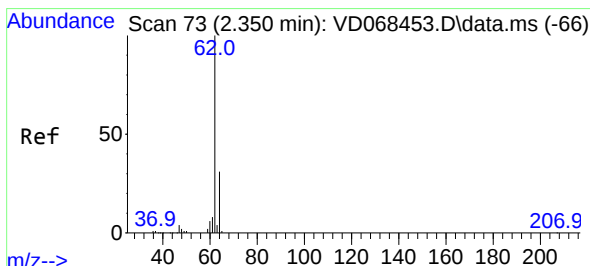
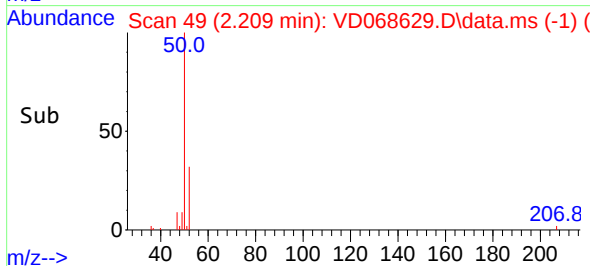
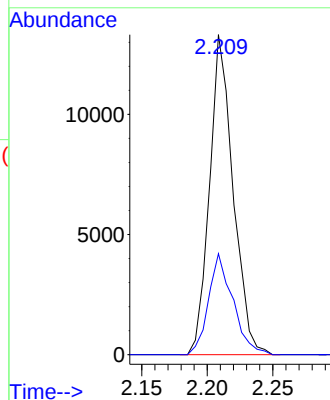
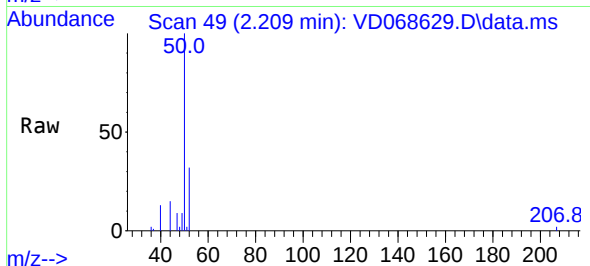
#3
Chloromethane
Concen: 5.74 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 50 Resp: 16646
Ion Ratio Lower Upper
50 100
52 31.5 25.4 38.2

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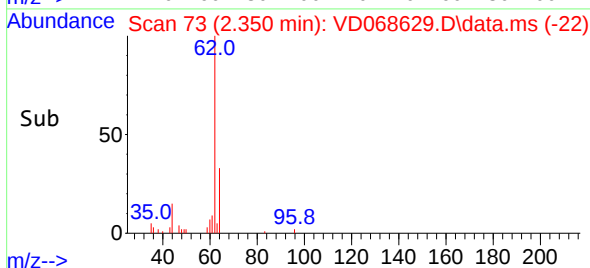
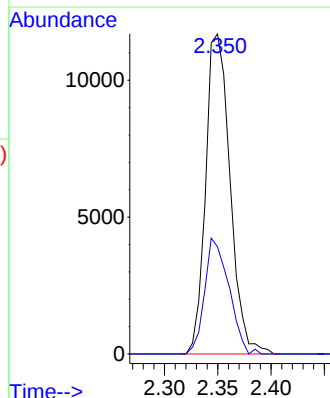
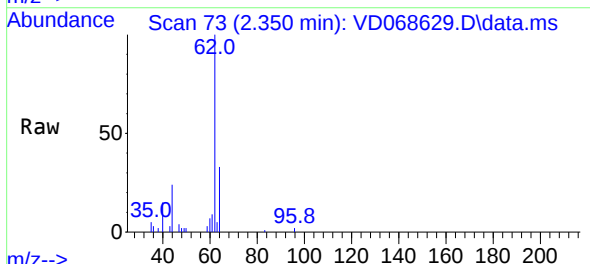
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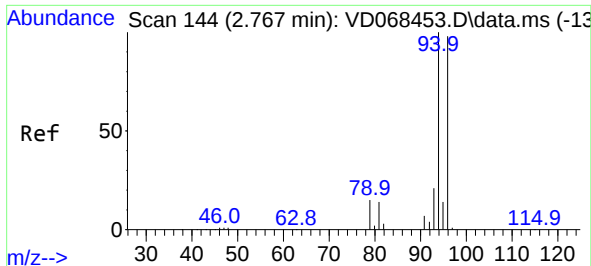
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#4
Vinyl Chloride
Concen: 5.42 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 62 Resp: 18654
Ion Ratio Lower Upper
62 100
64 33.5 25.4 38.2





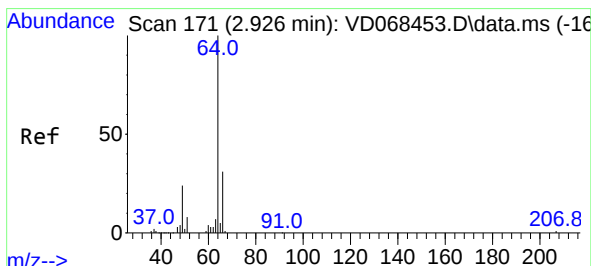
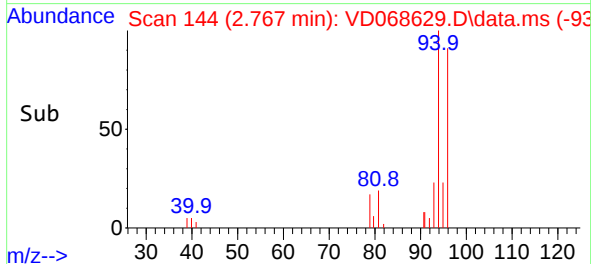
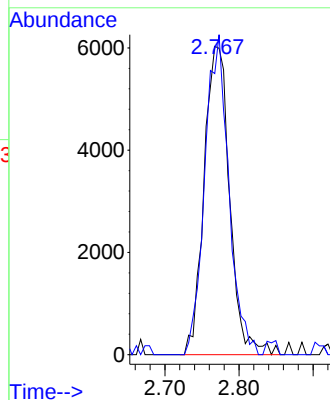
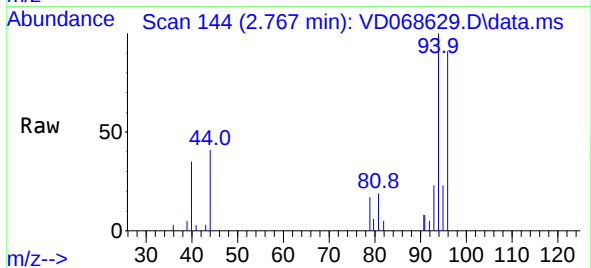
#5
Bromomethane
Concen: 5.92 ug/l
RT: 2.767 min Scan# 144
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 94 Resp: 14514
Ion Ratio Lower Upper
94 100
96 91.2 75.8 113.8

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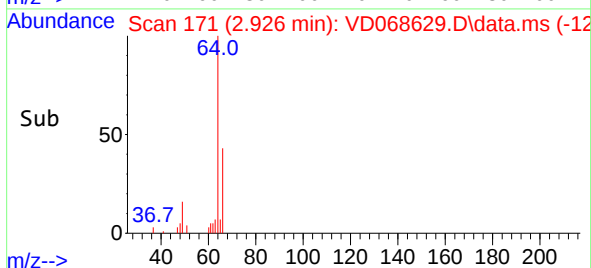
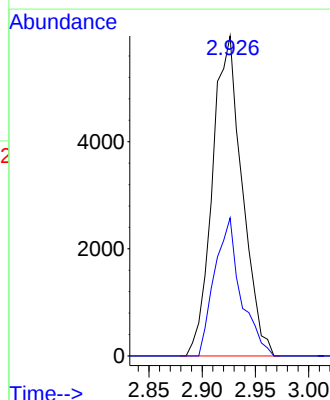
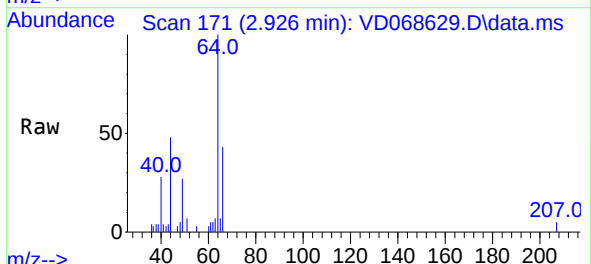
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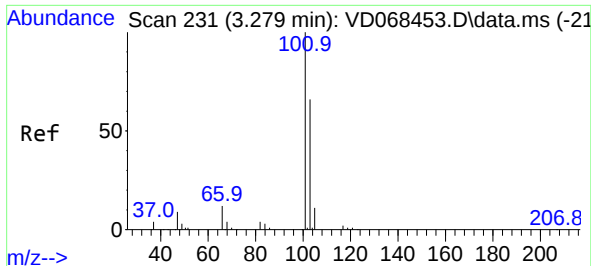
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#6
Chloroethane
Concen: 5.22 ug/l
RT: 2.926 min Scan# 171
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 64 Resp: 11607
Ion Ratio Lower Upper
64 100
66 43.1 25.1 37.7#





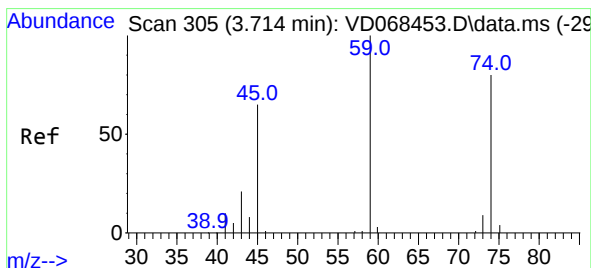
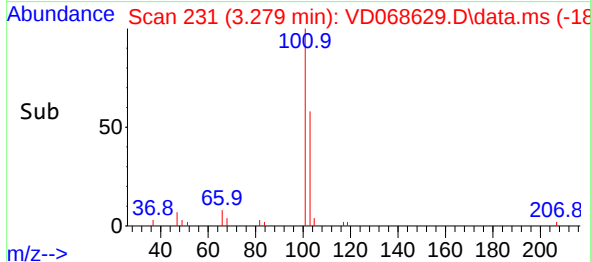
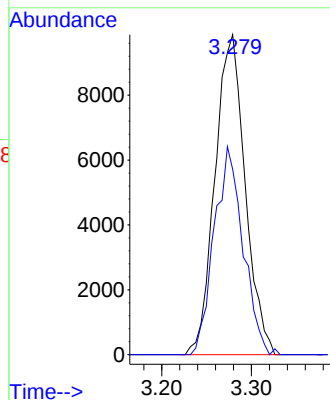
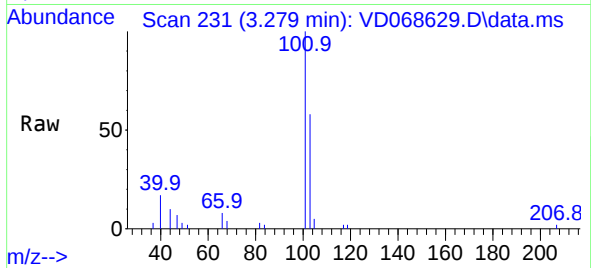
#7
Trichlorofluoromethane
Concen: 5.88 ug/l
RT: 3.279 min Scan# 231
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:101 Resp: 23067
Ion Ratio Lower Upper
101 100
103 57.9 52.0 78.0

Instrument :
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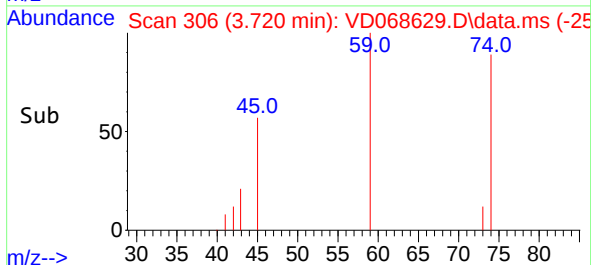
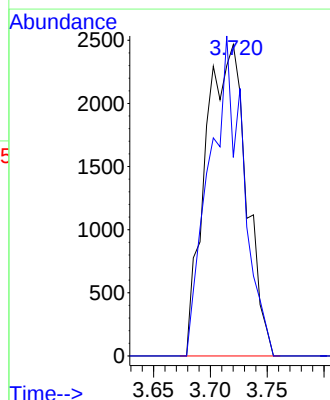
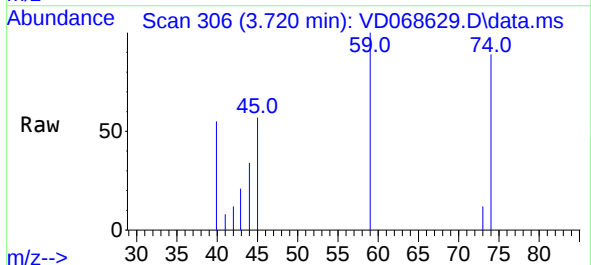
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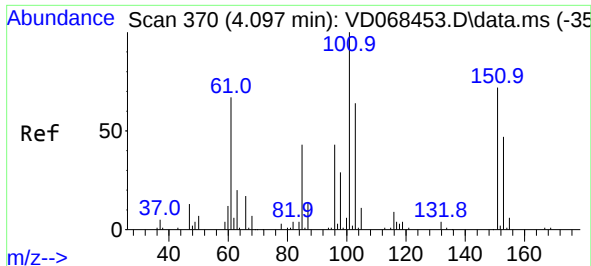
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#8
Diethyl Ether
Concen: 5.29 ug/l
RT: 3.720 min Scan# 306
Delta R.T. 0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 74 Resp: 6180
Ion Ratio Lower Upper
74 100
45 85.1 42.1 126.4





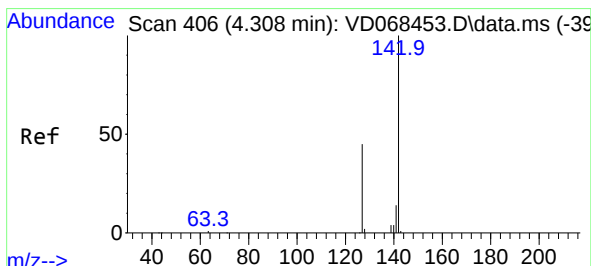
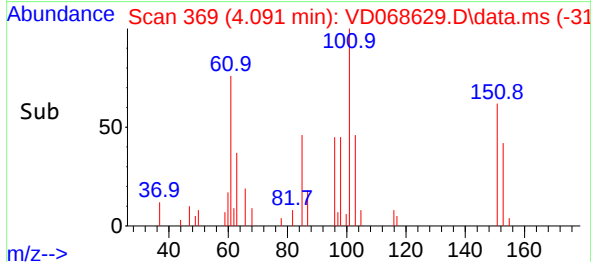
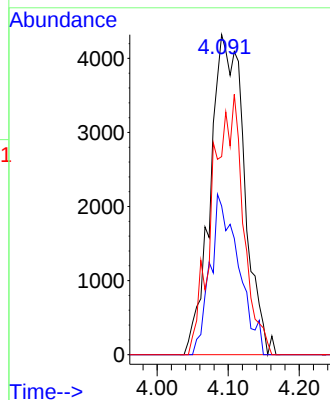
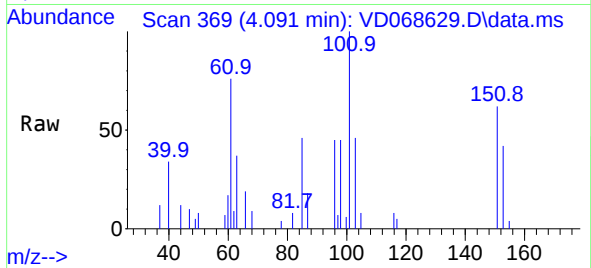
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1,1,2-Trichlorotrifluoroethane
Concen: 5.99 ug/l
RT: 4.091 min Scan# 369
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:101 Resp: 14326
Ion Ratio Lower Upper
101 100
85 41.8 34.0 51.0
151 0.0 64.1 96.1#

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

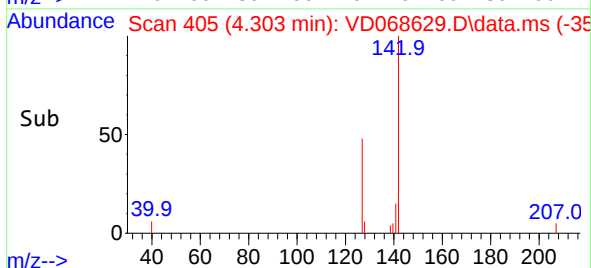
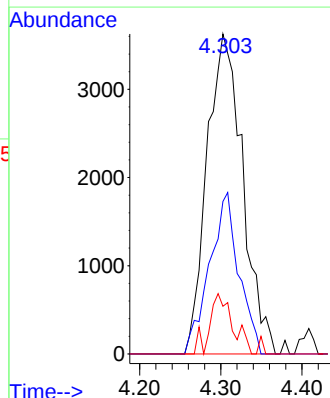
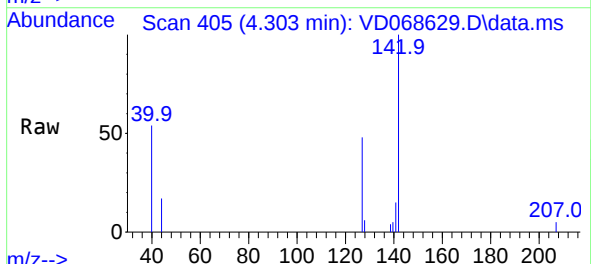
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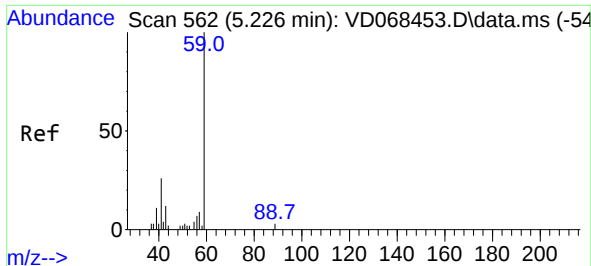
MMDadoda
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#10
Methyl Iodide
Concen: 4.36 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.005 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:142 Resp: 11073
Ion Ratio Lower Upper
142 100
127 41.5 37.9 56.9
141 12.2 11.5 17.3





#11

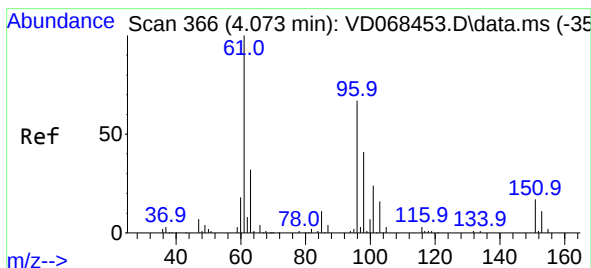
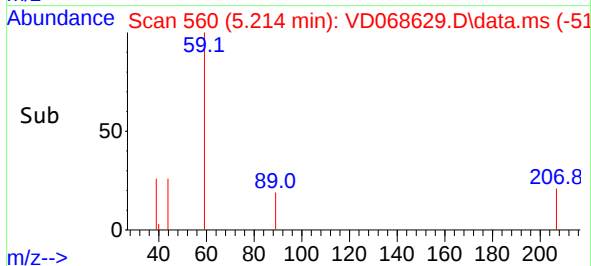
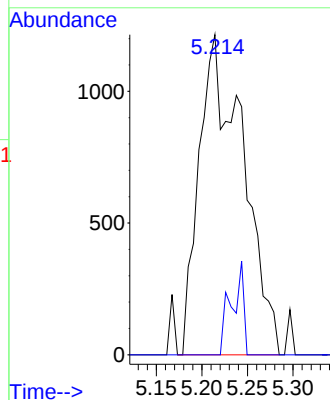
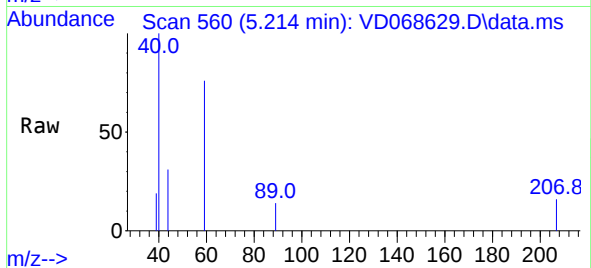
Tert butyl alcohol
Concen: 32.20 ug/l m
RT: 5.214 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 59 Resp: 4059
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

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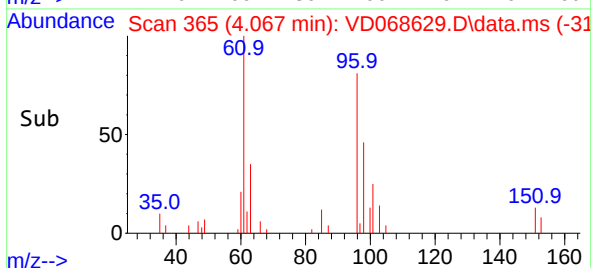
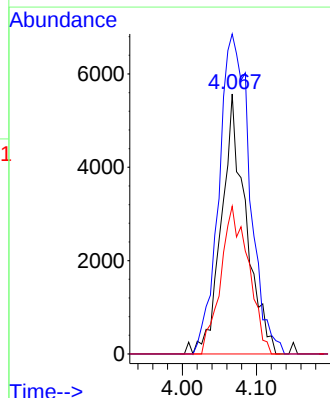
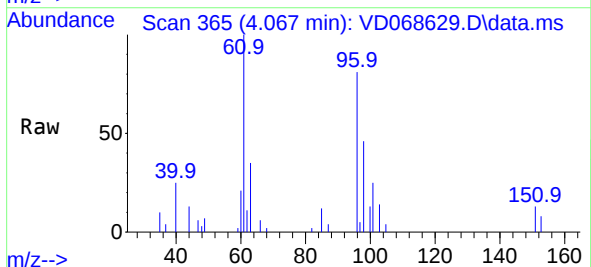
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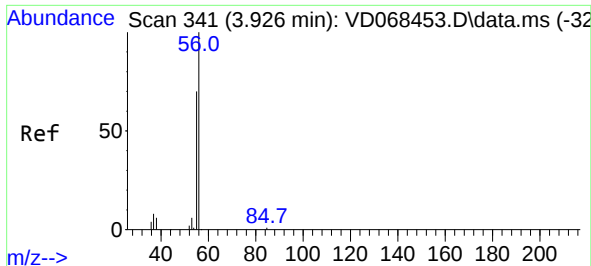


#12

1,1-Dichloroethene
Concen: 5.38 ug/l
RT: 4.067 min Scan# 365
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 96 Resp: 12774
Ion Ratio Lower Upper
96 100
61 123.1 116.2 174.4
98 56.8 48.6 73.0





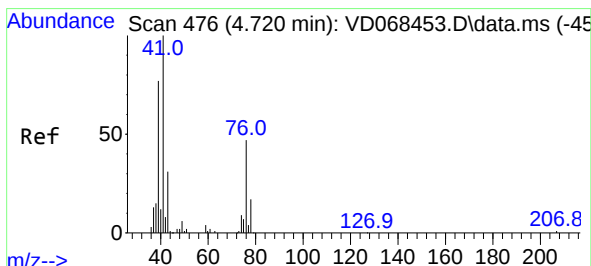
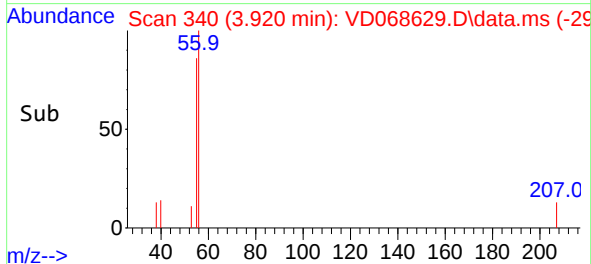
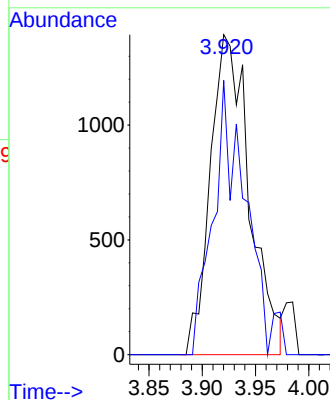
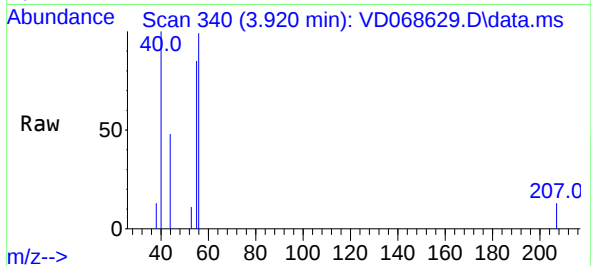
#13
Acrolein
Concen: 19.73 ug/l
RT: 3.920 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 56 Resp: 3555
Ion Ratio Lower Upper
56 100
55 72.6 56.5 84.7

Instrument :
MSVOA_D
ClientSampleId :
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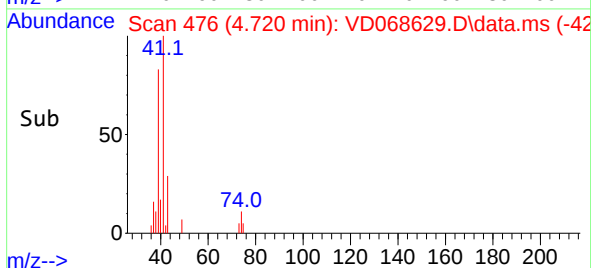
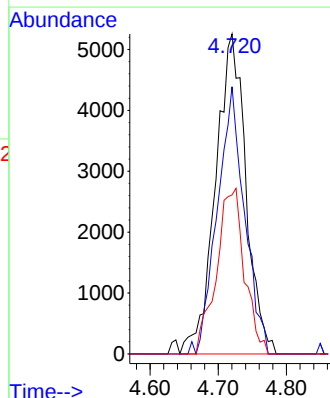
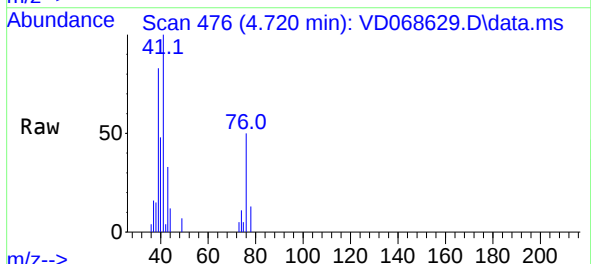
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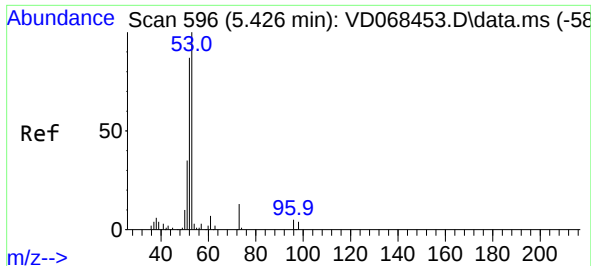
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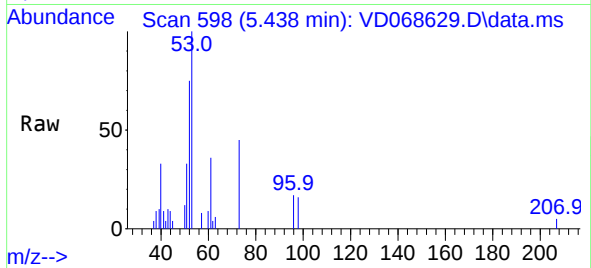
#14
Allyl chloride
Concen: 5.31 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 41 Resp: 16278
Ion Ratio Lower Upper
41 100
39 74.8 56.3 84.5
76 47.8 38.9 58.3



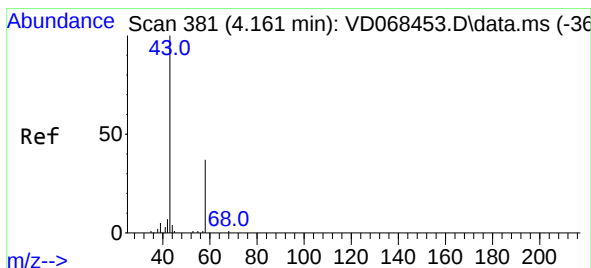
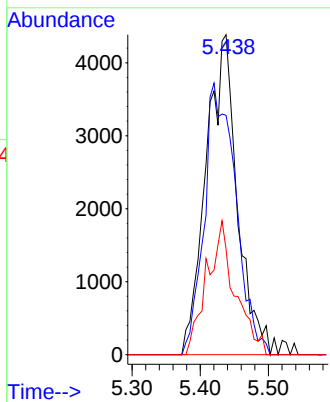
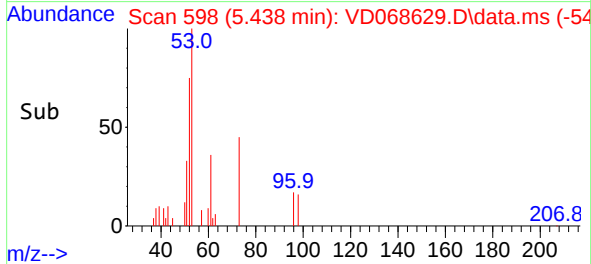


#15
Acrylonitrile
Concen: 28.47 ug/l
RT: 5.438 min Scan# 598
Delta R.T. 0.012 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

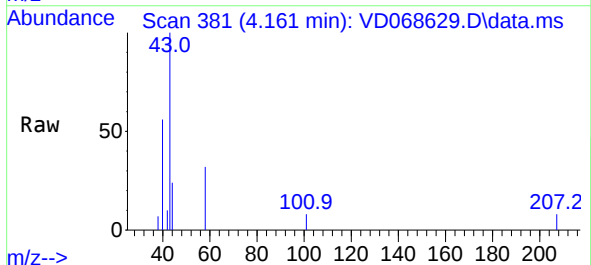


Tgt Ion: 53 Resp: 14044

Ion	Ratio	Lower	Upper
53	100		
52	85.3	66.2	99.2
51	37.7	29.0	43.4

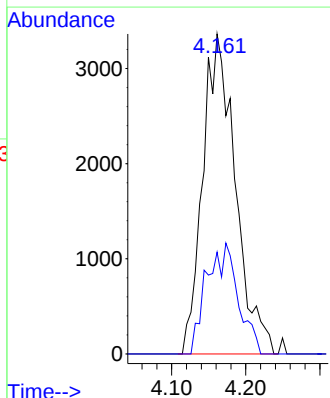
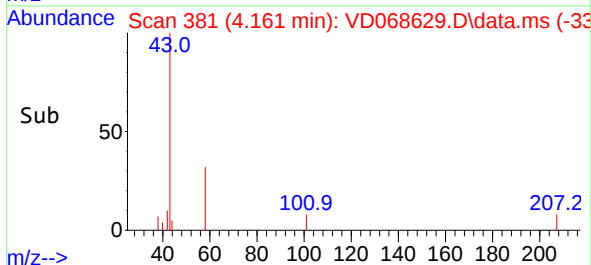


#16
Acetone
Concen: 27.42 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



Tgt Ion: 43 Resp: 10285

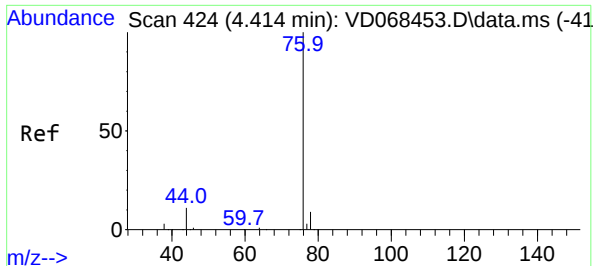
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.2	36.4



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

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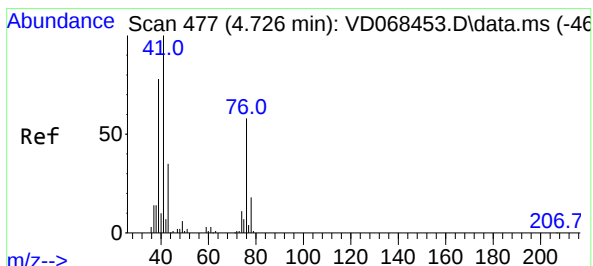
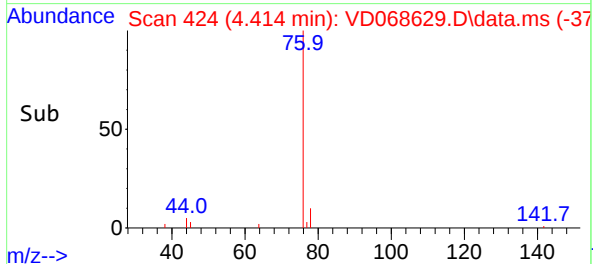
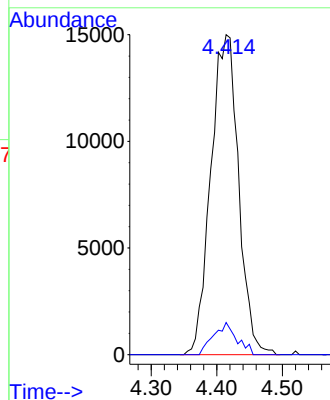
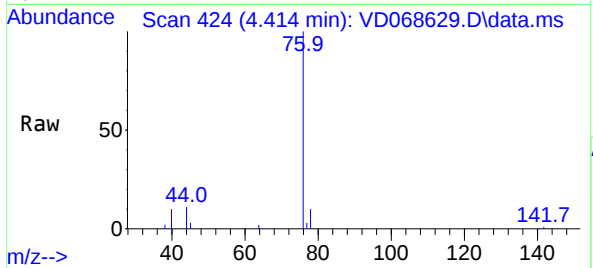
#17
Carbon Disulfide
Concen: 5.66 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 76 Resp: 44011
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

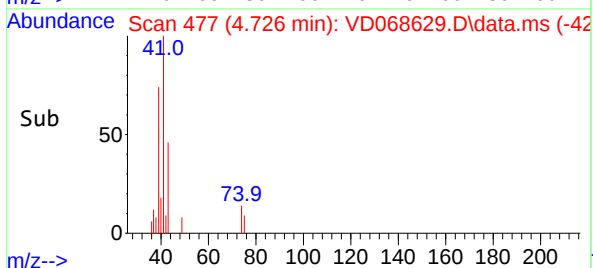
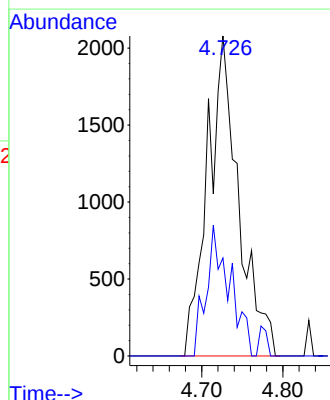
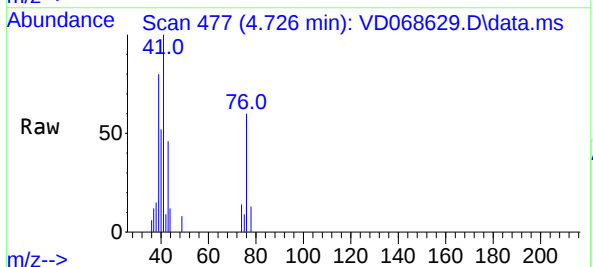
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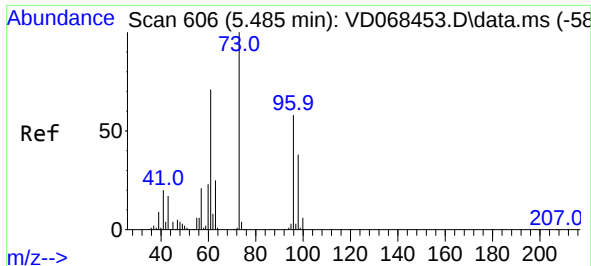
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#18
Methyl Acetate
Concen: 5.73 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

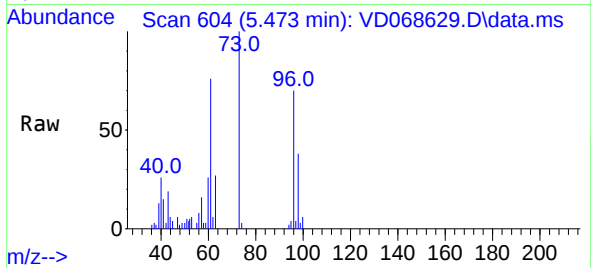
Tgt Ion: 43 Resp: 5541
Ion Ratio Lower Upper
43 100
74 30.9 25.4 38.0





#19
Methyl tert-butyl Ether
Concen: 5.93 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.012 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

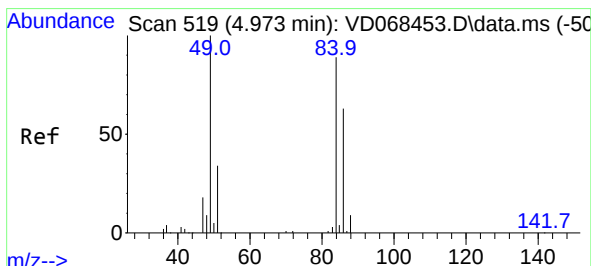
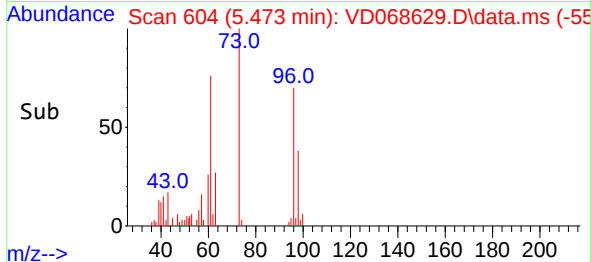
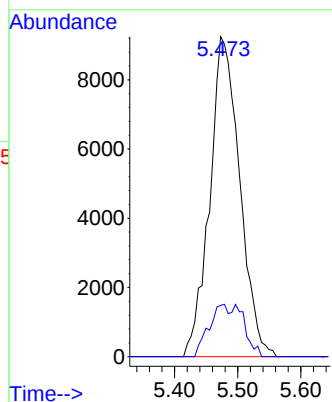
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021



Tgt Ion: 73 Resp: 30496
Ion Ratio Lower Upper
73 100
57 16.0 14.4 21.6

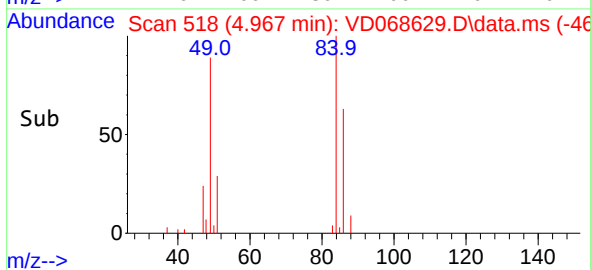
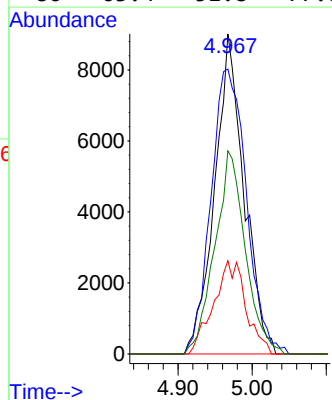
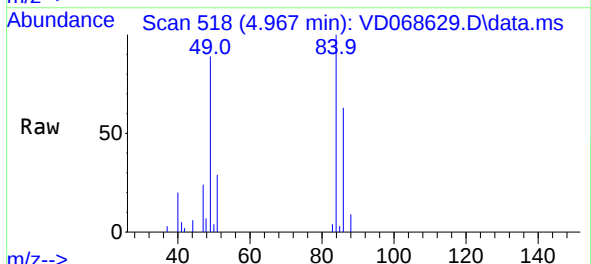
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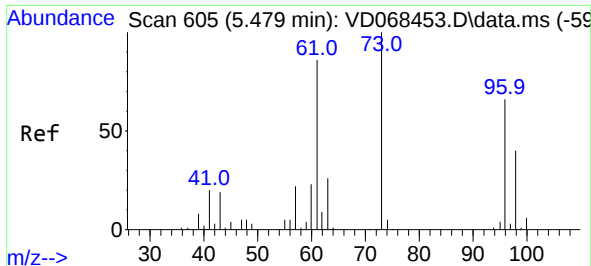
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#20
Methylene Chloride
Concen: 7.79 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 84 Resp: 24806
Ion Ratio Lower Upper
84 100
49 89.1 77.4 116.2
51 29.1 26.1 39.1
86 63.4 51.8 77.8





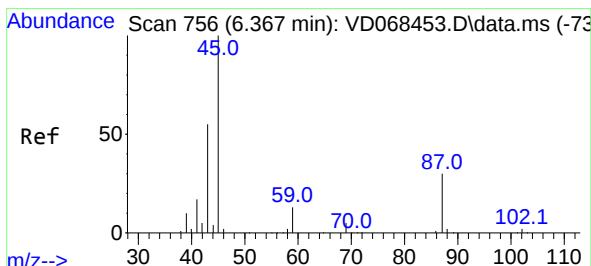
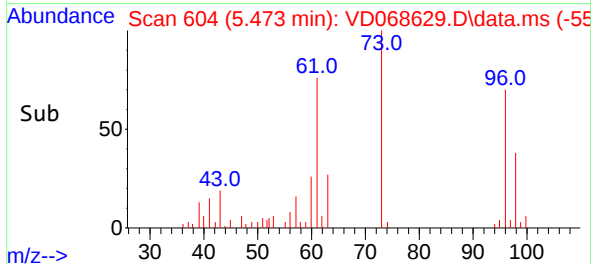
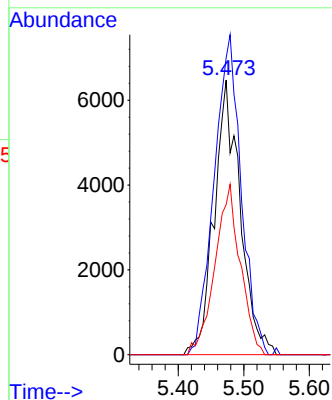
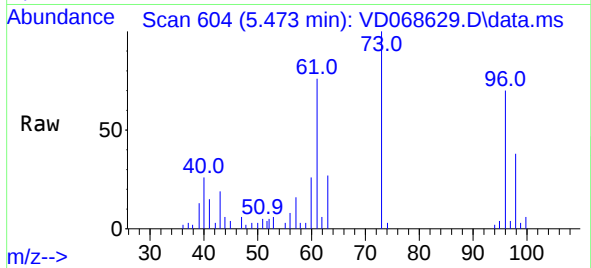
#21
trans-1,2-Dichloroethene
Concen: 6.28 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:	96	Resp:	17794
Ion	Ratio	Lower	Upper
96	100		
61	108.0	96.7	145.1
98	54.6	47.6	71.4

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

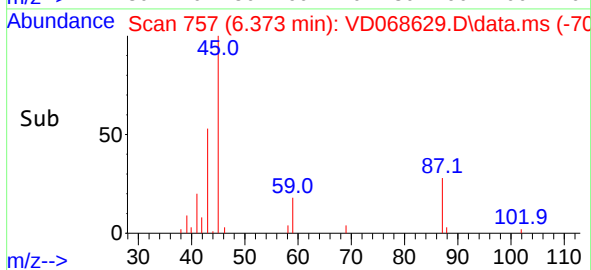
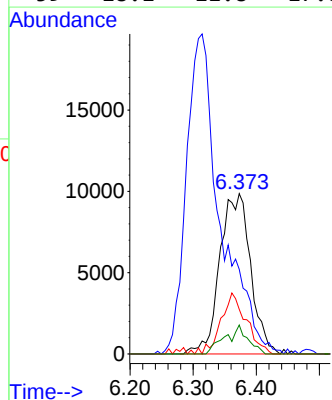
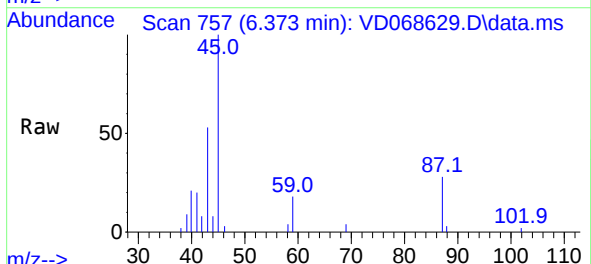
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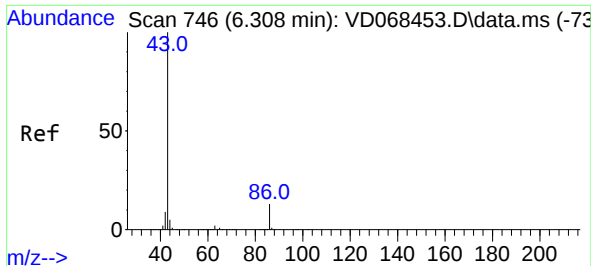
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#22
Diisopropyl ether
Concen: 4.95 ug/l
RT: 6.373 min Scan# 757
Delta R.T. 0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:	45	Resp:	33389
Ion	Ratio	Lower	Upper
45	100		
43	50.5	43.9	65.9
87	27.9	29.9	44.9#
59	18.1	11.8	17.8#





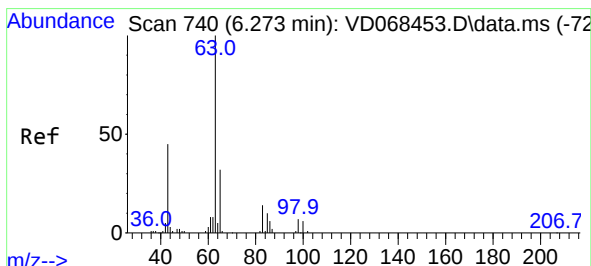
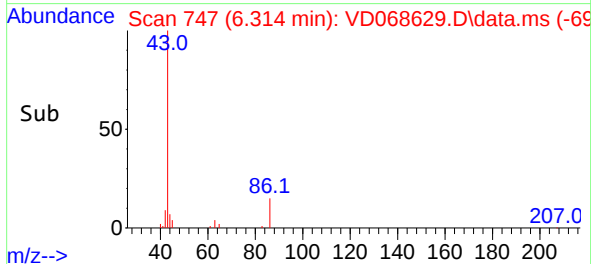
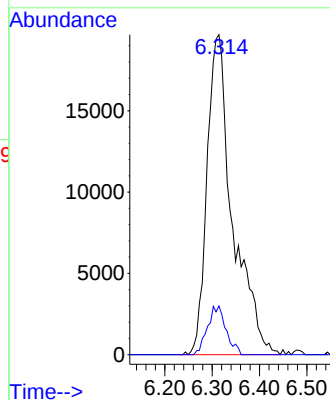
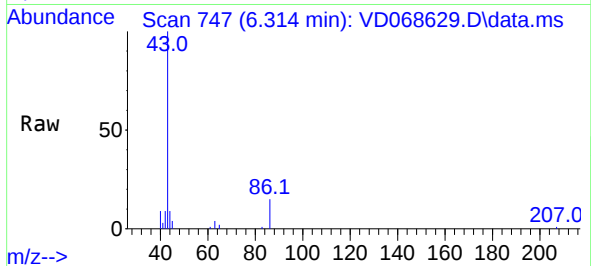
#23
 Vinyl Acetate
 Concen: 21.10 ug/l
 RT: 6.314 min Scan# 747
 Delta R.T. 0.006 min
 Lab File: VD068629.D
 Acq: 16 Mar 2021 14:01

Tgt Ion: 43 Resp: 73859
 Ion Ratio Lower Upper
 43 100
 86 15.2 10.8 16.2

Instrument :
 MSVOA_D
 ClientSampleId :
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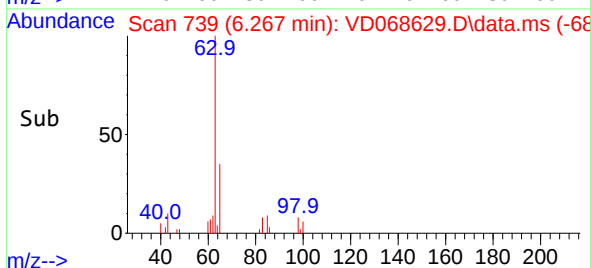
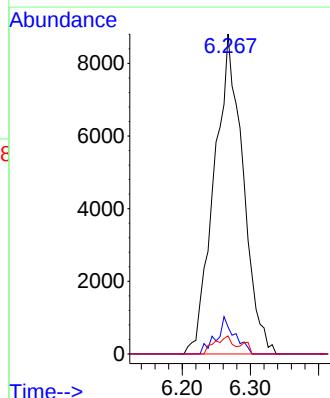
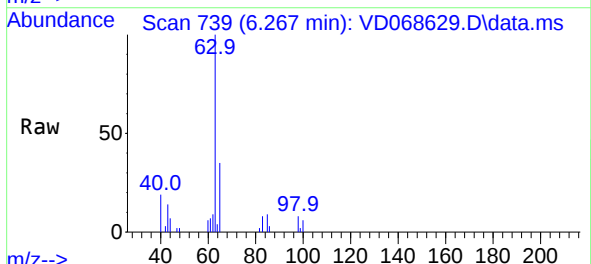
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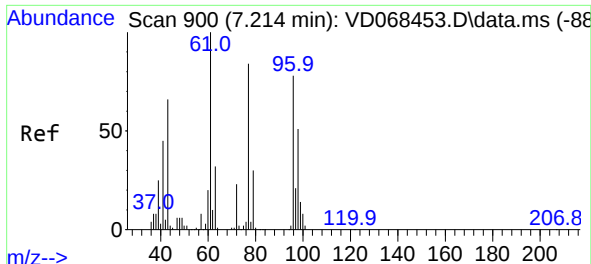
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#24
 1,1-Dichloroethane
 Concen: 5.61 ug/l
 RT: 6.267 min Scan# 739
 Delta R.T. -0.006 min
 Lab File: VD068629.D
 Acq: 16 Mar 2021 14:01

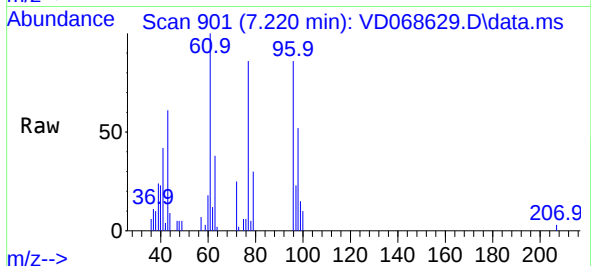
Tgt Ion: 63 Resp: 25930
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.8 11.4
 100 5.6 2.6 8.0





#25
2-Butanone
Concen: 24.61 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

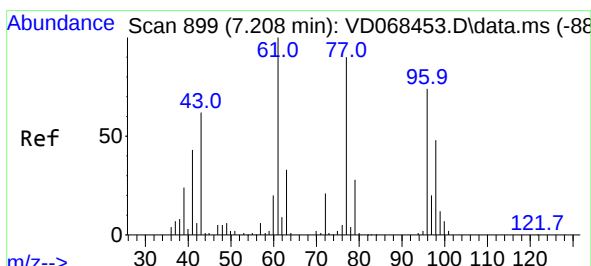
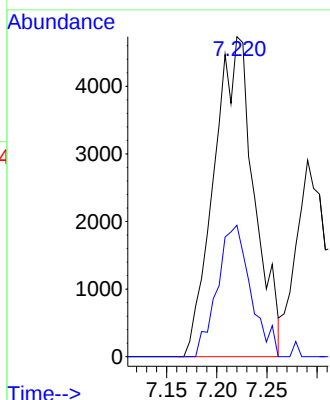
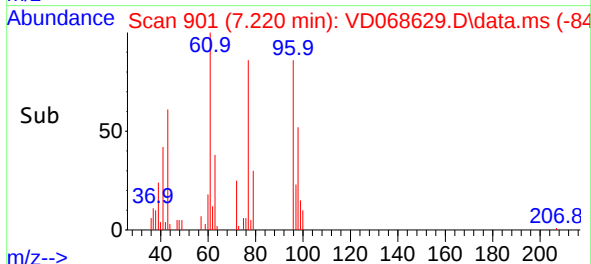
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021



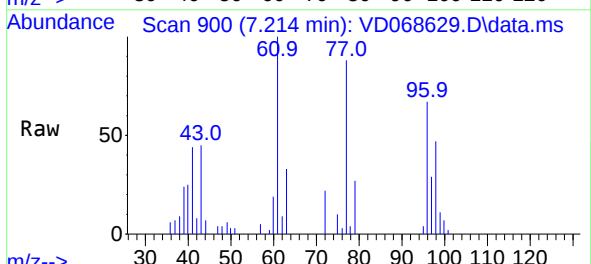
Tgt Ion: 43 Resp: 13265
Ion Ratio Lower Upper
43 100
72 41.0 25.1 37.7#

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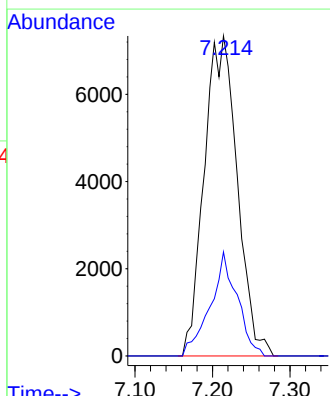
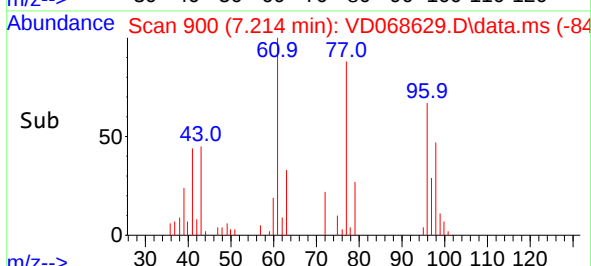
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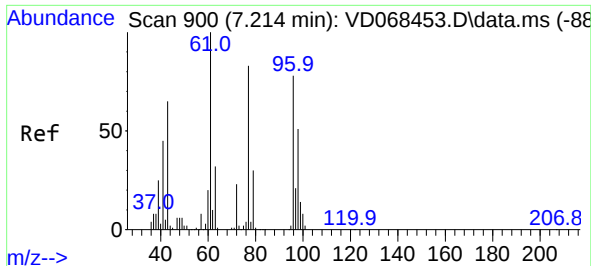


#26
2,2-Dichloropropane
Concen: 5.64 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



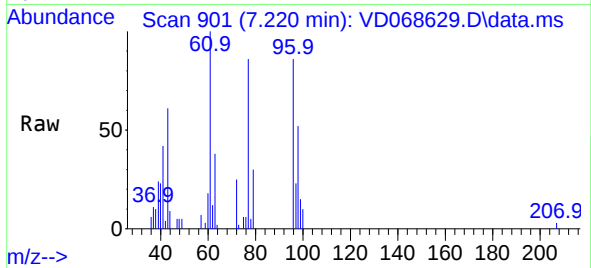
Tgt Ion: 77 Resp: 21747
Ion Ratio Lower Upper
77 100
97 26.5 11.7 35.1





#27
cis-1,2-Dichloroethene
Concen: 5.25 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

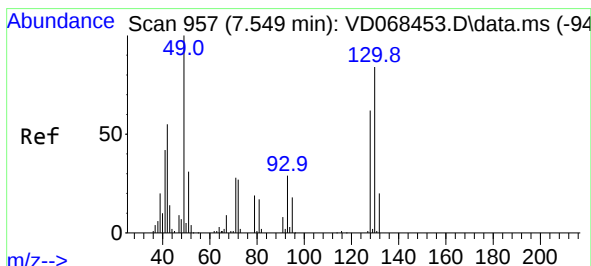
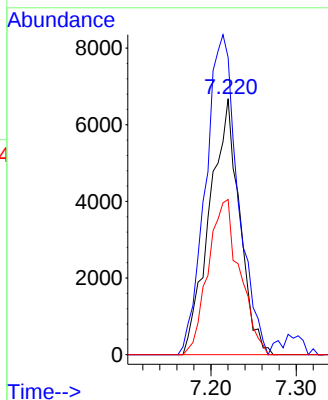
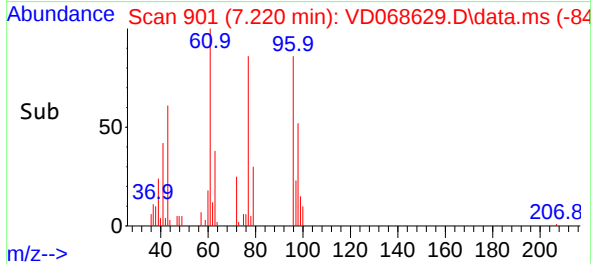
Instrument :
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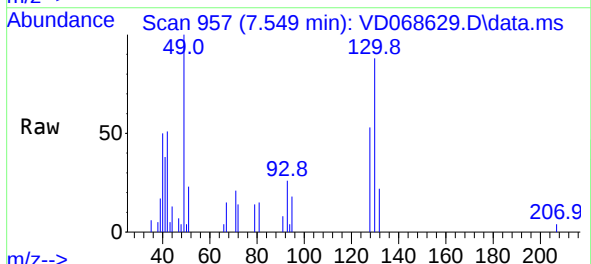
Tgt Ion: 96 Resp: 16335
Ion Ratio Lower Upper
96 100
61 135.0 0.0 257.4
98 63.9 0.0 126.6

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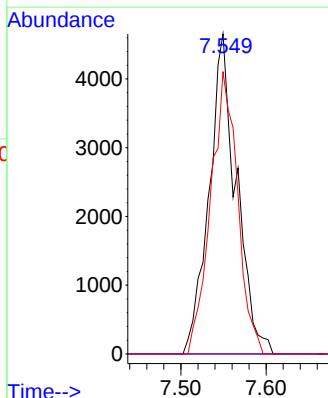
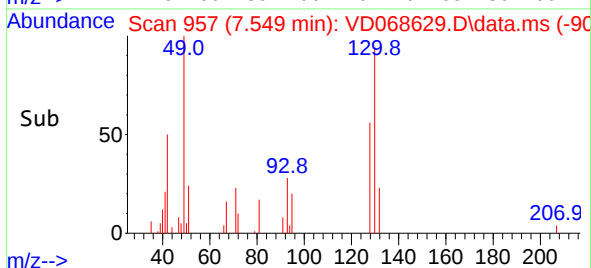
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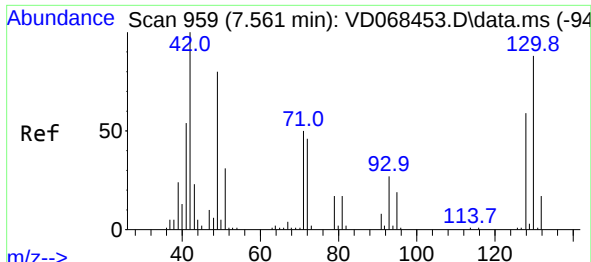


#28
Bromochloromethane
Concen: 5.74 ug/l
RT: 7.549 min Scan# 957
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



Tgt Ion: 49 Resp: 10361
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 86.7 85.5 128.3





#29

Tetrahydrofuran

Concen: 23.48 ug/l

RT: 7.567 min Scan# 960

Delta R.T. 0.006 min

Lab File: VD068629.D

Acq: 16 Mar 2021 14:01

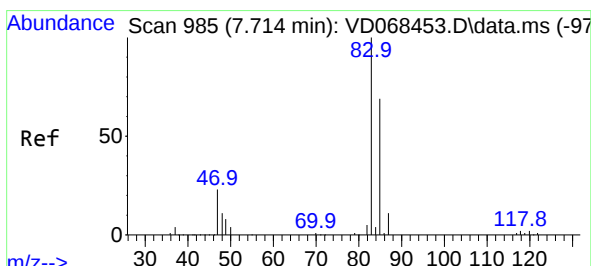
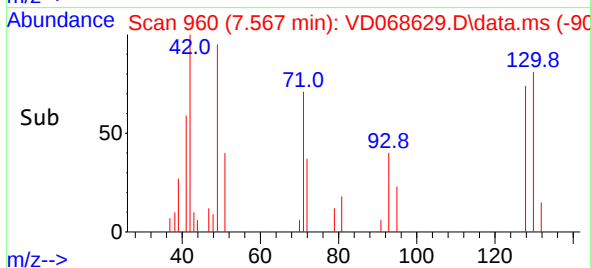
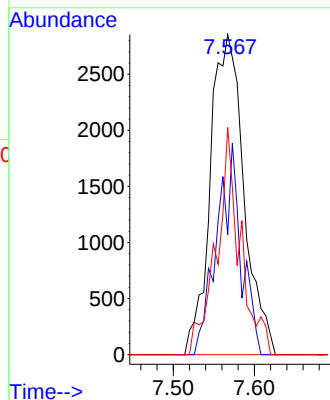
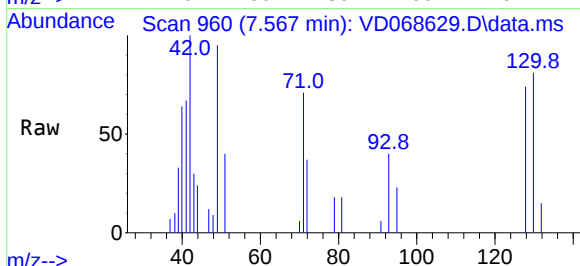
Tgt Ion: 42 Resp: 8219

Ion Ratio Lower Upper

42 100

72 47.4 43.4 65.0

71 49.9 40.8 61.2



#30

Chloroform

Concen: 5.59 ug/l

RT: 7.720 min Scan# 986

Delta R.T. 0.006 min

Lab File: VD068629.D

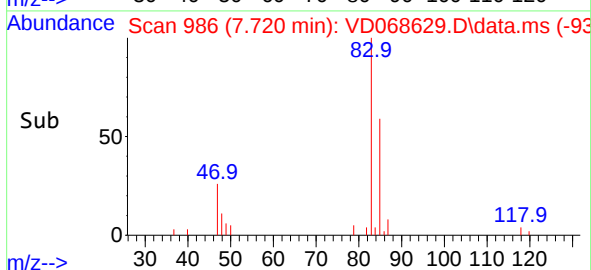
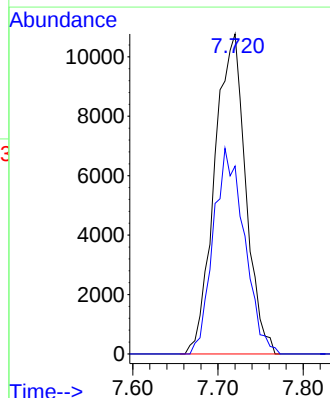
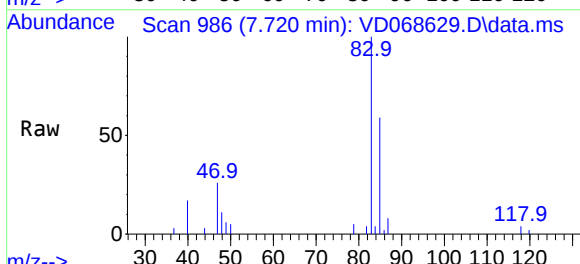
Acq: 16 Mar 2021 14:01

Tgt Ion: 83 Resp: 27286

Ion Ratio Lower Upper

83 100

85 58.7 53.4 80.0



Instrument :

MSVOA_D

ClientSampleId :

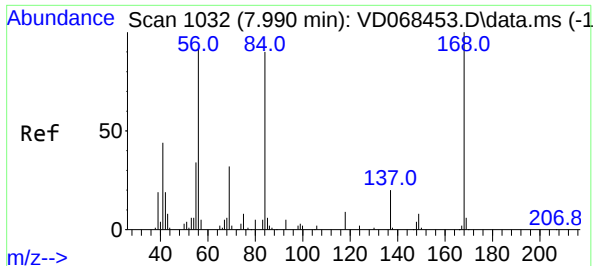
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#31

Cyclohexane

Concen: 6.01 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VD068629.D

Acq: 16 Mar 2021 14:01

Tgt Ion: 56 Resp: 25810

Ion	Ratio	Lower	Upper
56	100		
69	55.9	30.1	45.1#
84	110.2	82.1	123.1

Instrument :

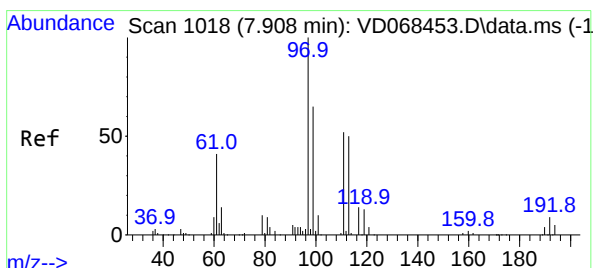
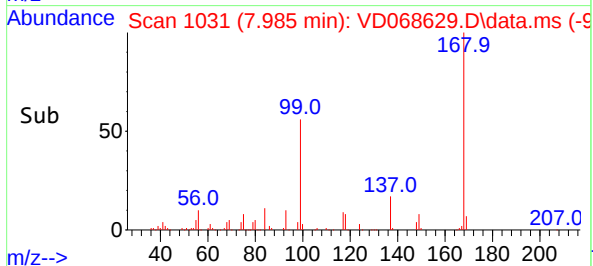
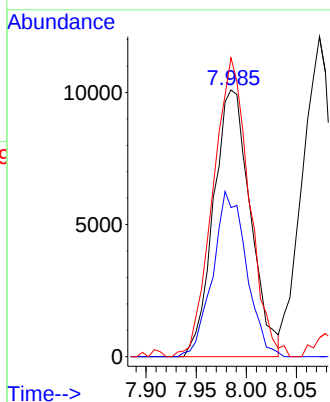
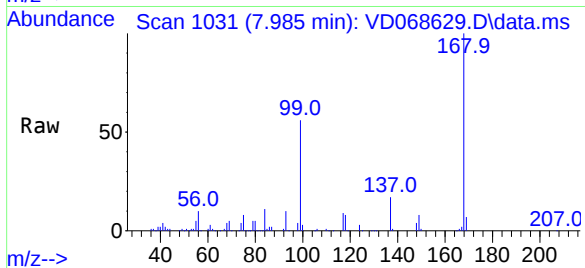
MSVOA_D

ClientSampleId :

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#32

1,1,1-Trichloroethane

Concen: 5.78 ug/l

RT: 7.908 min Scan# 1018

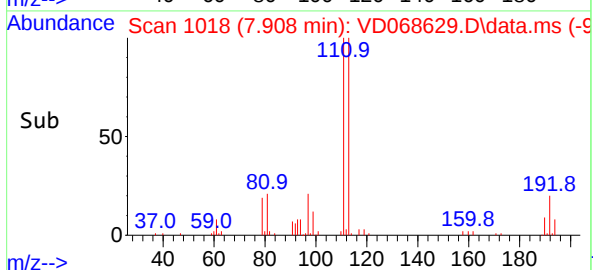
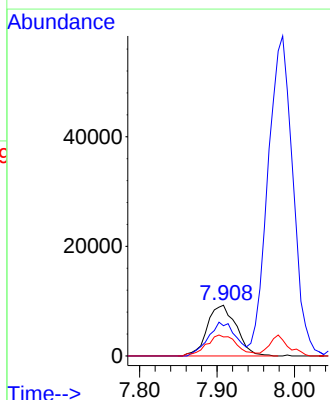
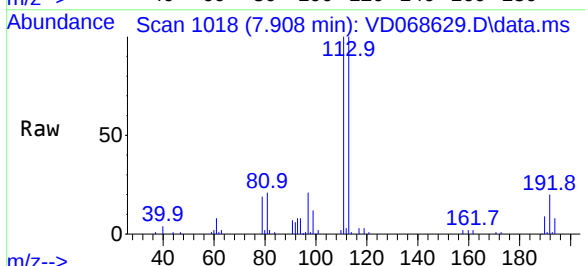
Delta R.T. 0.000 min

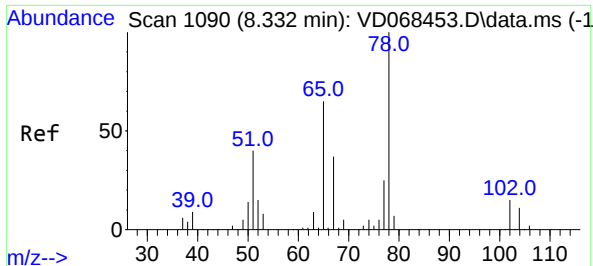
Lab File: VD068629.D

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Tgt Ion: 97 Resp: 24099

Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.1	78.1
61	43.8	30.1	45.1





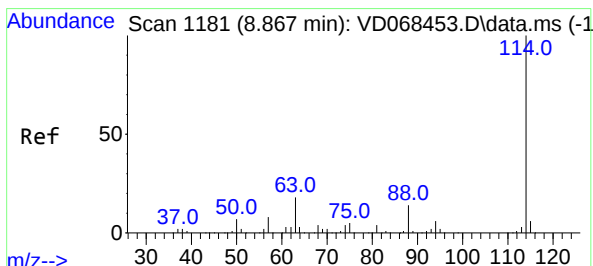
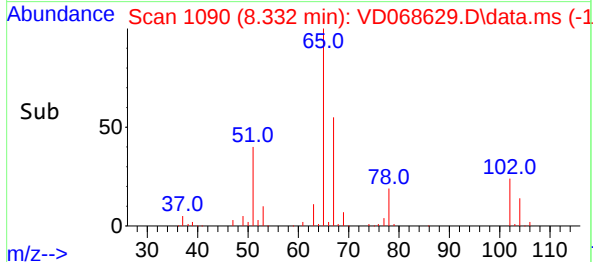
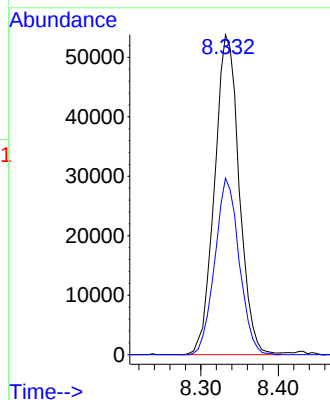
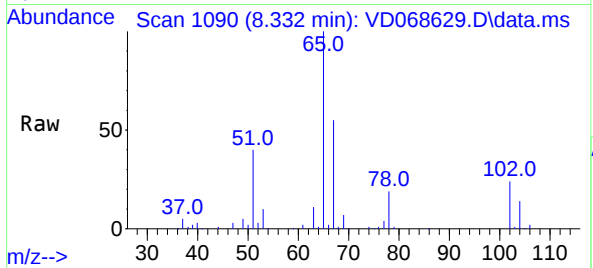
#33
1,2-Dichloroethane-d4
Concen: 50.41 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 65 Resp: 119036
Ion Ratio Lower Upper
65 100
67 54.3 0.0 105.0

Instrument :
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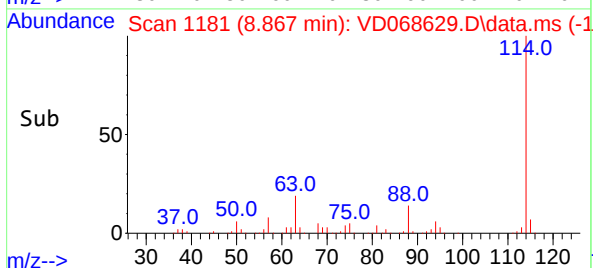
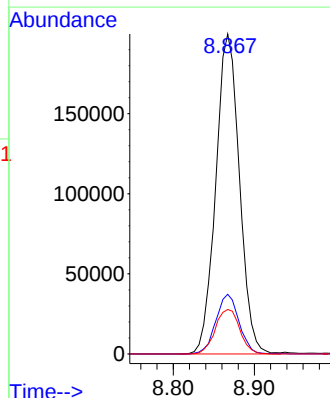
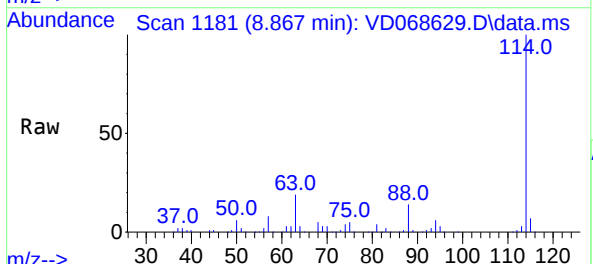
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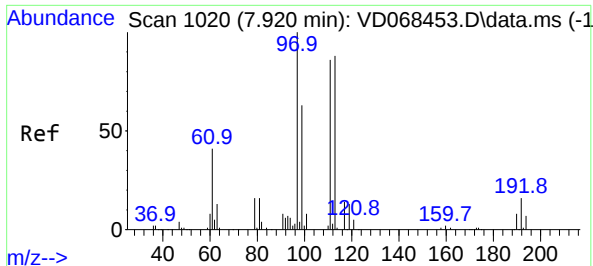
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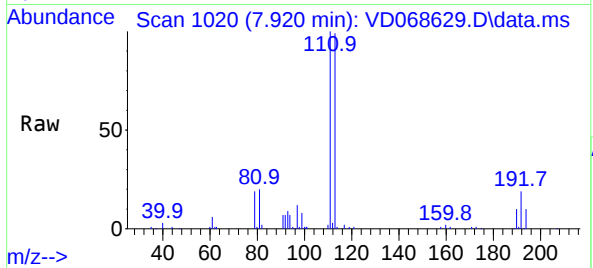
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 114 Resp: 405001
Ion Ratio Lower Upper
114 100
63 18.7 0.0 34.8
88 13.9 0.0 31.6

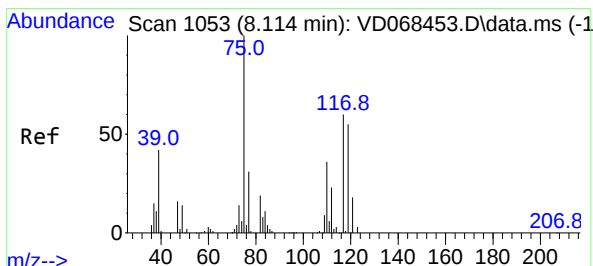
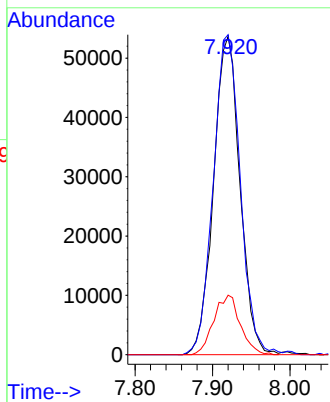
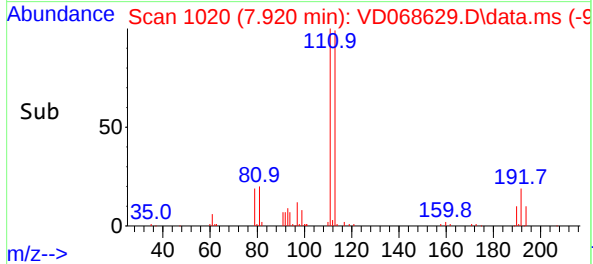




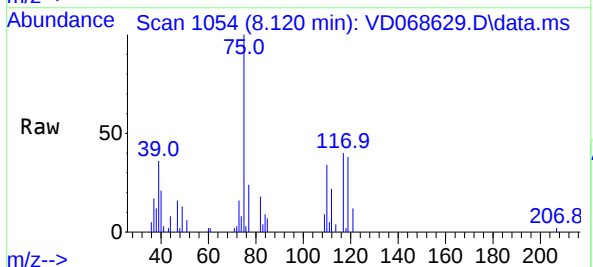
#35
Dibromofluoromethane
Concen: 52.02 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068629.D
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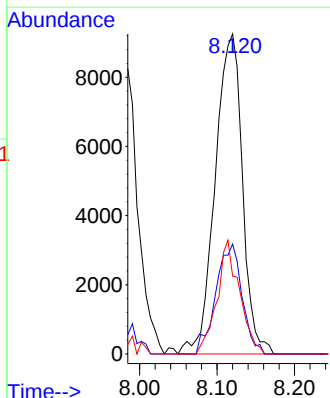
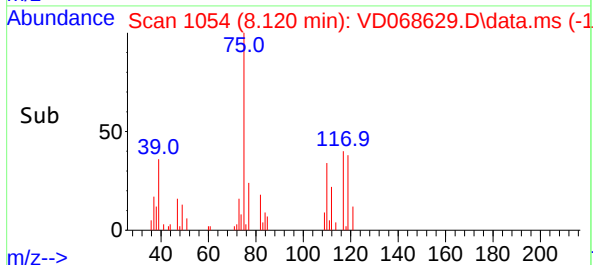
Tgt Ion: 113 Resp: 126908
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 18.8 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.88 ug/l
RT: 8.120 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



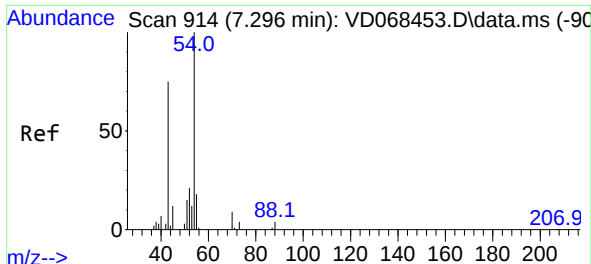
Tgt Ion: 75 Resp: 22652
Ion Ratio Lower Upper
75 100
110 32.9 19.4 58.2
77 29.4 25.3 37.9



Instrument :
MSVOA_D
ClientSampleId :
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#37

Ethyl Acetate

Concen: 5.08 ug/l

RT: 7.291 min Scan# 913

Delta R.T. -0.006 min

Lab File: VD068629.D

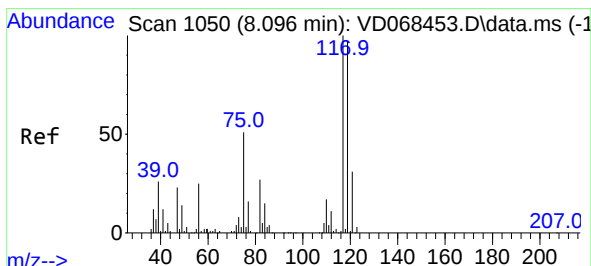
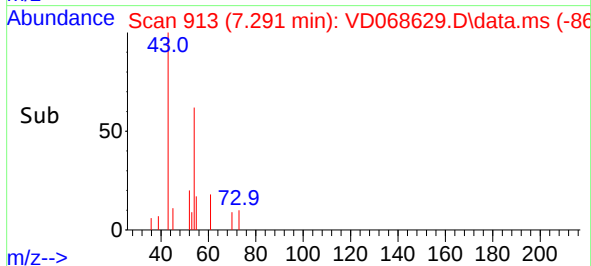
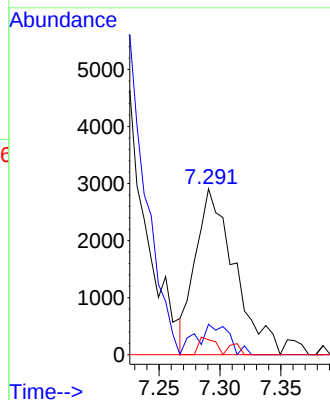
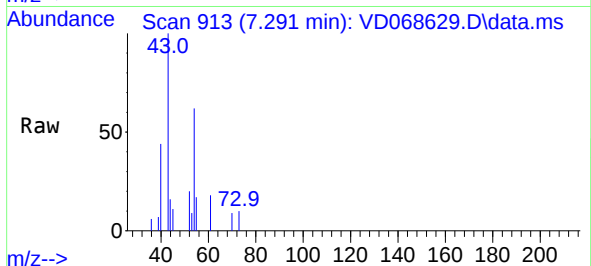
Acq: 16 Mar 2021 14:01

Tgt Ion:	43	Resp:	6494
Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.9	19.3
70	4.3	11.0	16.6#

Instrument :
MSVOA_D
ClientSampleId :
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#38

Carbon Tetrachloride

Concen: 5.62 ug/l

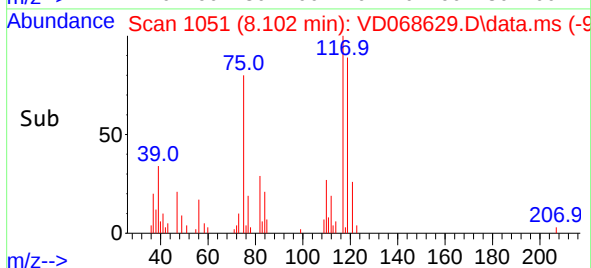
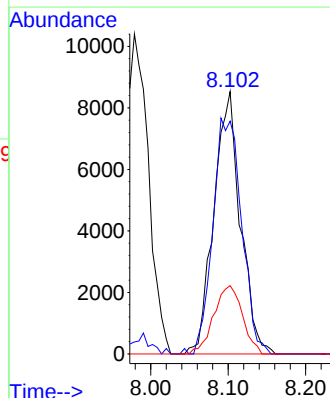
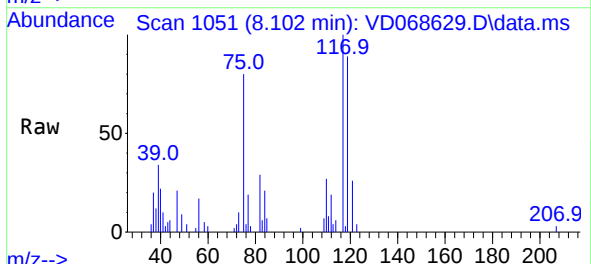
RT: 8.102 min Scan# 1051

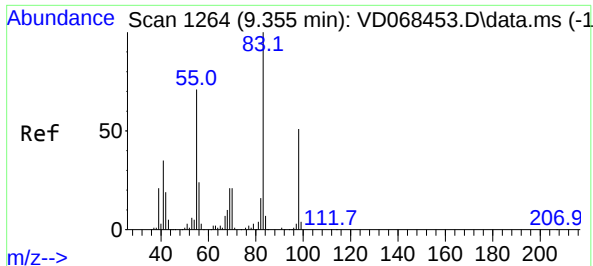
Delta R.T. 0.006 min

Lab File: VD068629.D

Acq: 16 Mar 2021 14:01

Tgt Ion:	117	Resp:	20343
Ion	Ratio	Lower	Upper
117	100		
119	88.7	77.3	115.9
121	26.1	24.7	37.1





#39

Methylcyclohexane

Concen: 5.05 ug/l

RT: 9.361 min Scan# 1265

Delta R.T. 0.006 min

Lab File: VD068629.D

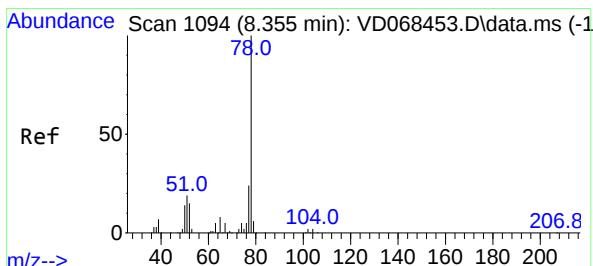
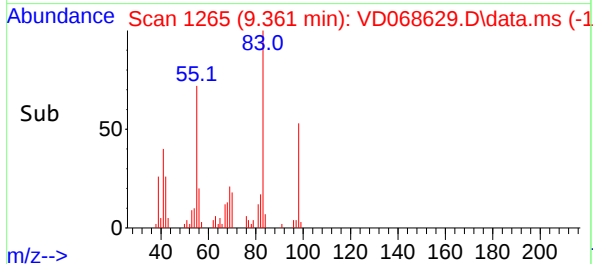
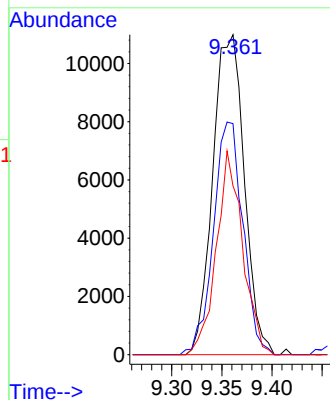
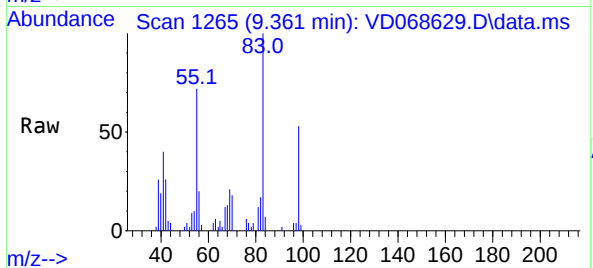
Acq: 16 Mar 2021 14:01

Tgt Ion:	83	Resp:	23997
Ion	Ratio	Lower	Upper
83	100		
55	72.2	55.2	82.8
98	52.7	39.1	58.7

Instrument :
MSVOA_D
ClientSampleId :
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#40

Benzene

Concen: 5.60 ug/l

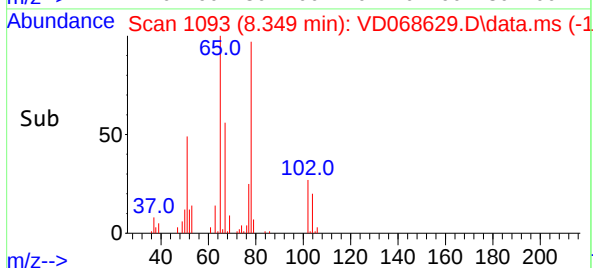
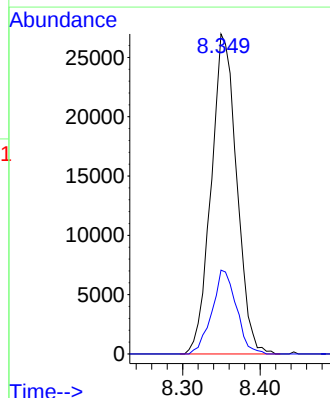
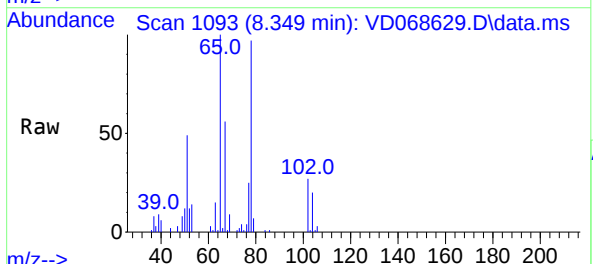
RT: 8.349 min Scan# 1093

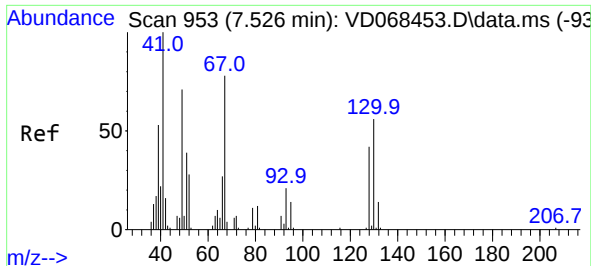
Delta R.T. -0.006 min

Lab File: VD068629.D

Acq: 16 Mar 2021 14:01

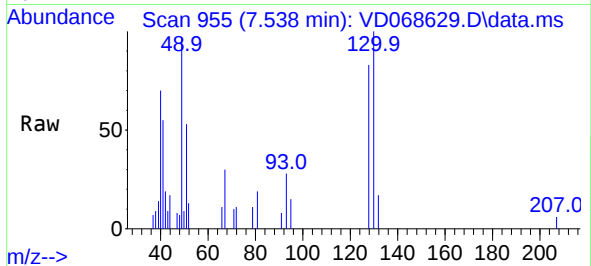
Tgt Ion:	78	Resp:	61790
Ion	Ratio	Lower	Upper
78	100		
77	26.2	17.8	26.6





#41
Methacrylonitrile
Concen: 5.13 ug/l m
RT: 7.538 min Scan# 955
Delta R.T. 0.012 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

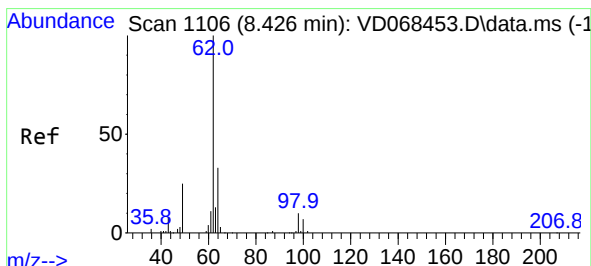
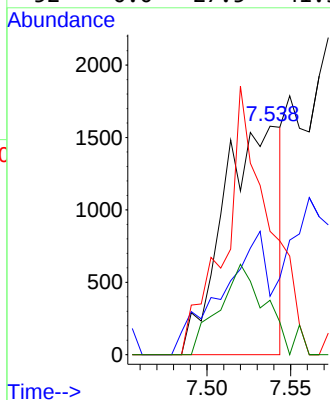
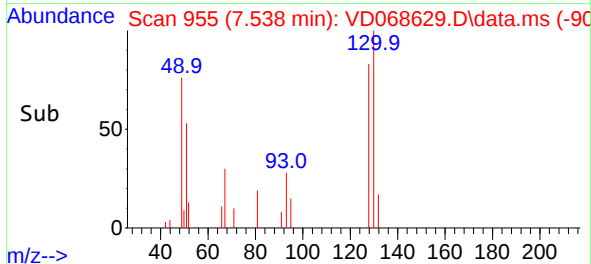
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021



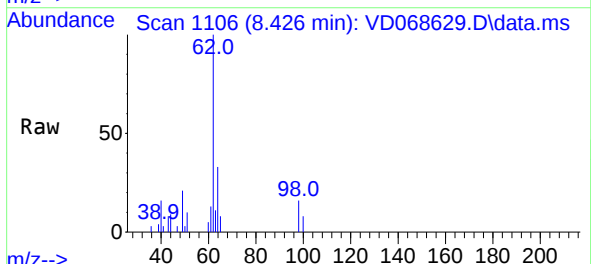
Tgt Ion: 41 Resp: 3803
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 67.4 101.2#
52 0.0 27.5 41.3#

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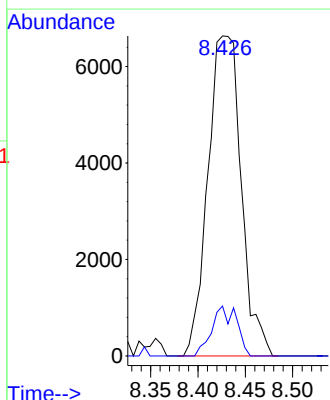
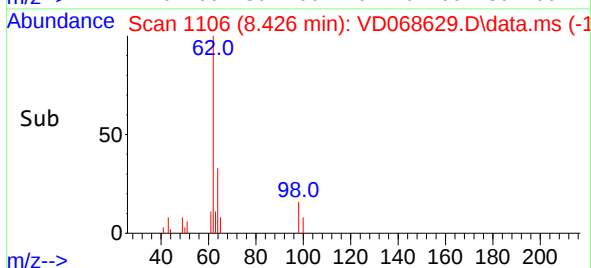
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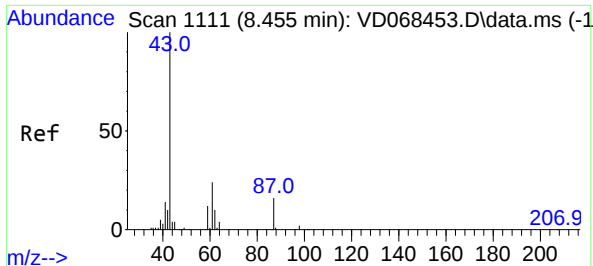


#42
1,2-Dichloroethane
Concen: 5.59 ug/l
RT: 8.426 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



Tgt Ion: 62 Resp: 16244
Ion Ratio Lower Upper
62 100
98 11.6 0.0 21.8





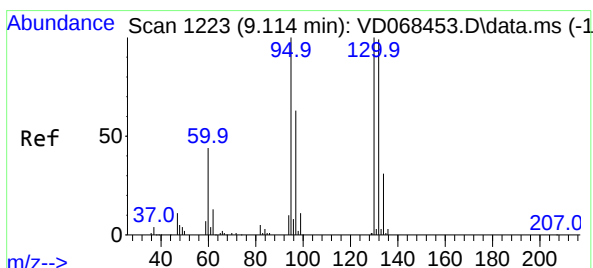
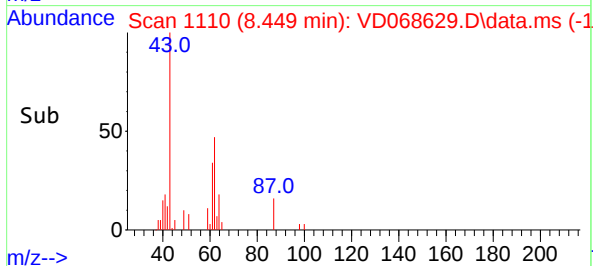
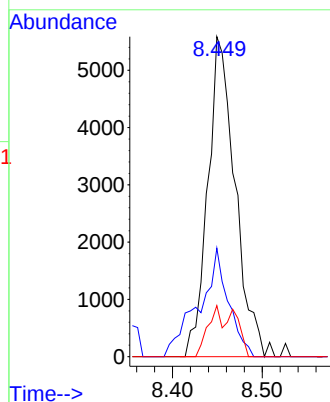
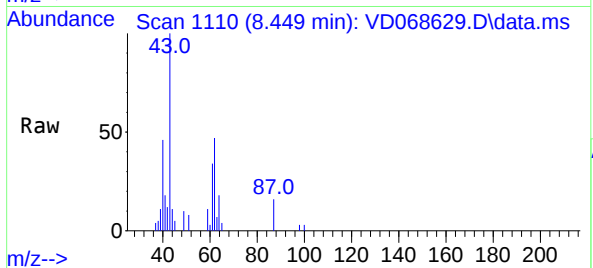
#43
Isopropyl Acetate
Concen: 5.04 ug/l
RT: 8.449 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:	43	Resp:	11830
Ion	Ratio	Lower	Upper
43	100		
61	36.7	28.7	43.1
87	8.1	13.9	20.9#

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

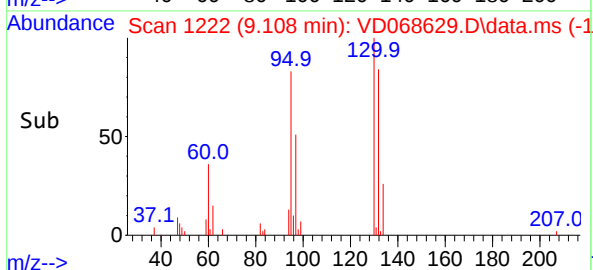
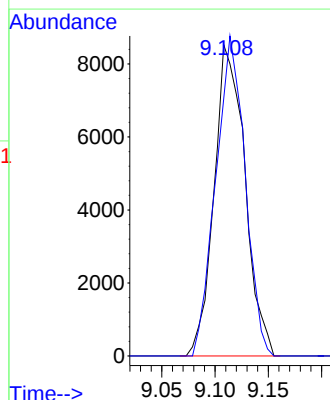
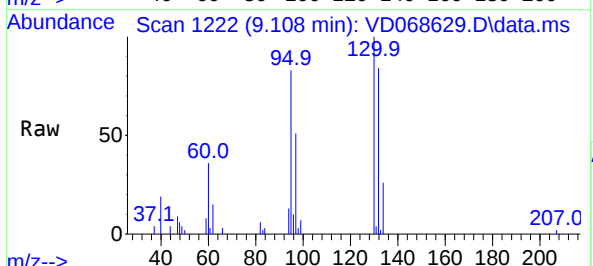
Manual Integrations
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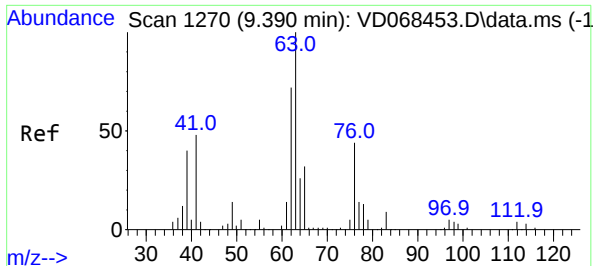
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#44
Trichloroethene
Concen: 5.66 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:	130	Resp:	17159
Ion	Ratio	Lower	Upper
130	100		
95	82.7	0.0	191.2





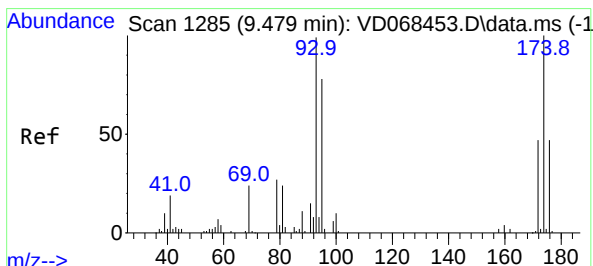
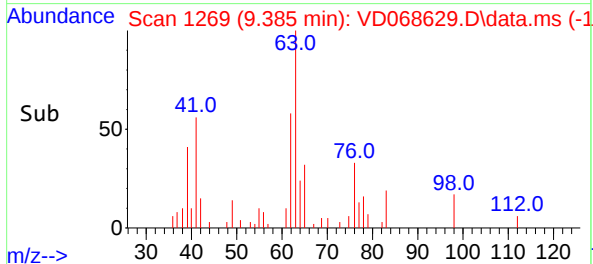
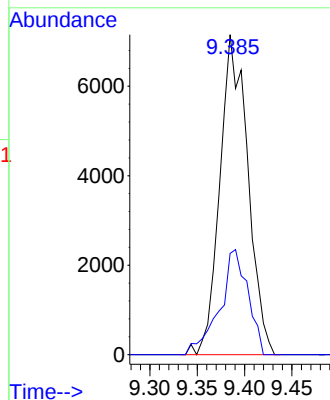
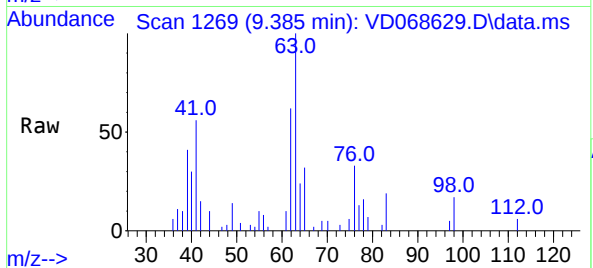
#45
1,2-Dichloropropane
Concen: 5.56 ug/l
RT: 9.385 min Scan# 1269
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 63 Resp: 14671
Ion Ratio Lower Upper
63 100
65 31.7 26.6 40.0

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

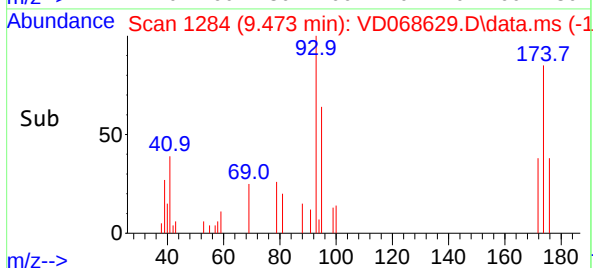
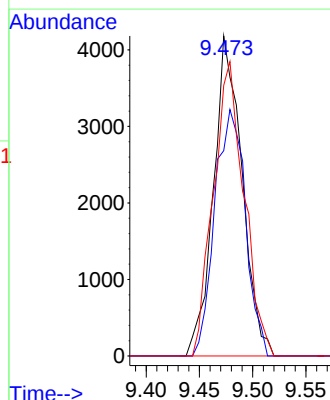
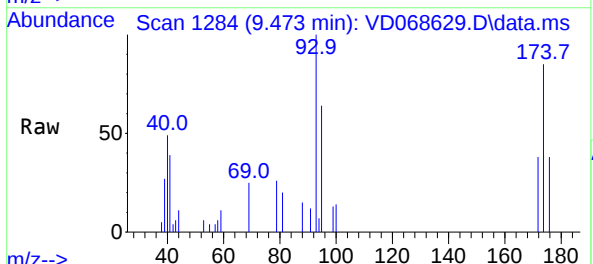
Manual Integrations
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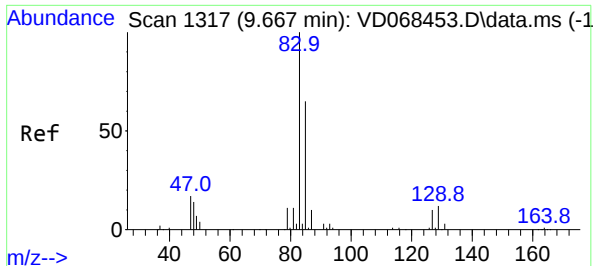
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#46
Dibromomethane
Concen: 5.44 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

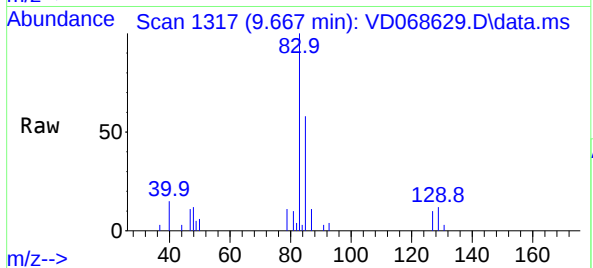
Tgt Ion: 93 Resp: 7815
Ion Ratio Lower Upper
93 100
95 82.3 67.3 100.9
174 98.0 84.6 127.0





#47
Bromodichloromethane
Concen: 5.65 ug/l
RT: 9.667 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

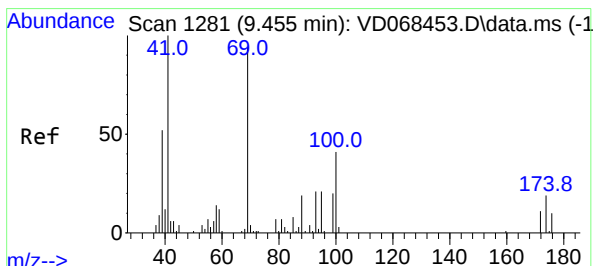
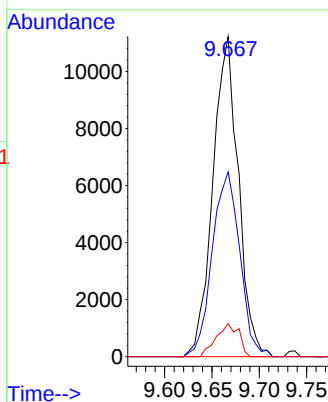
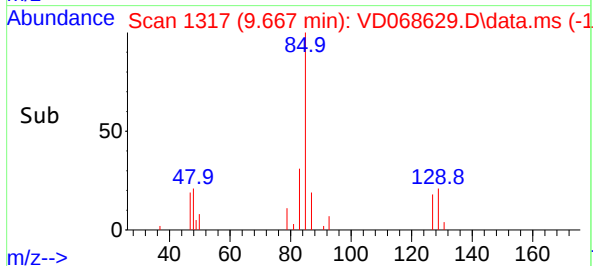
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021



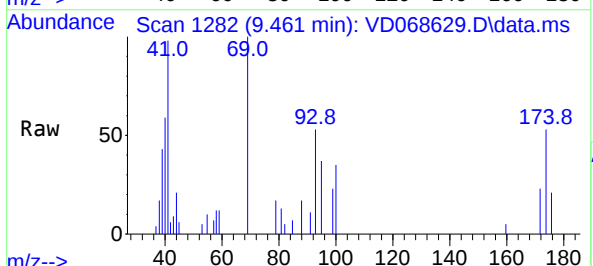
Tgt Ion: 83 Resp: 20984
Ion Ratio Lower Upper
83 100
85 57.7 51.6 77.4
127 10.3 7.4 11.0

Manual Integrations
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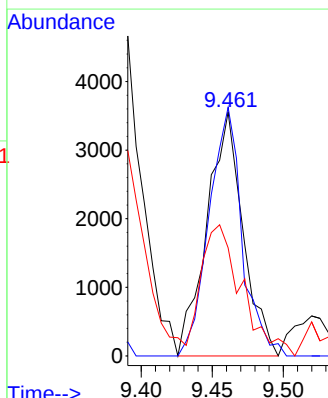
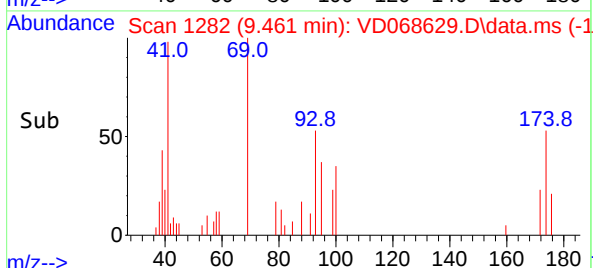
MMDadoda
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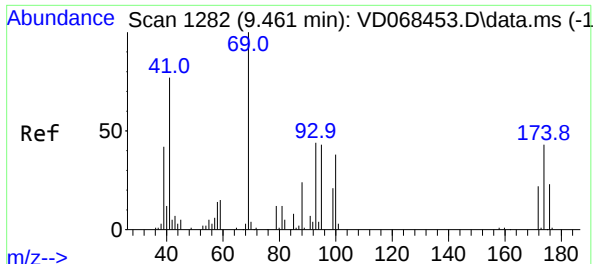


#48
Methyl methacrylate
Concen: 5.02 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



Tgt Ion: 41 Resp: 6282
Ion Ratio Lower Upper
41 100
69 93.4 77.1 115.7
39 60.3 41.5 62.3





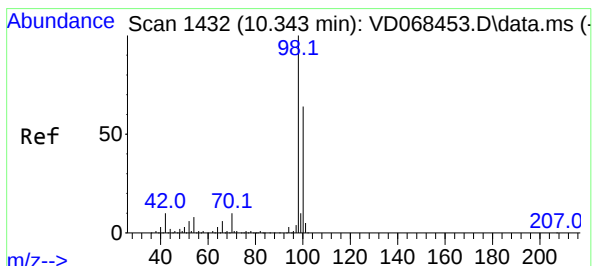
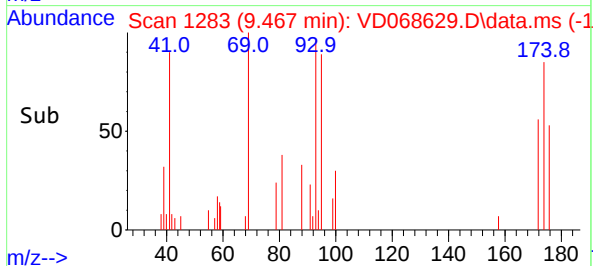
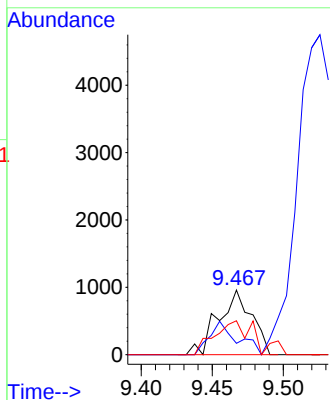
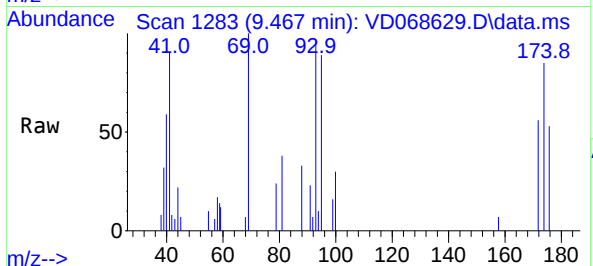
#49
1,4-Dioxane
Concen: 95.49 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 88 Resp: 1564
Ion Ratio Lower Upper
88 100
43 42.8 22.1 33.1#
58 64.7 46.7 70.1

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

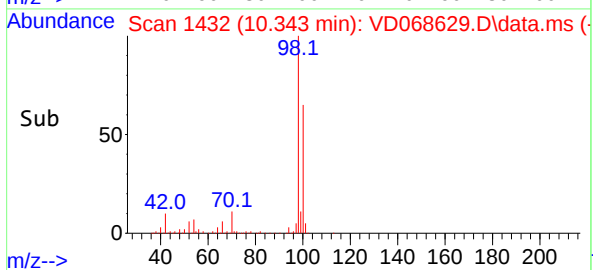
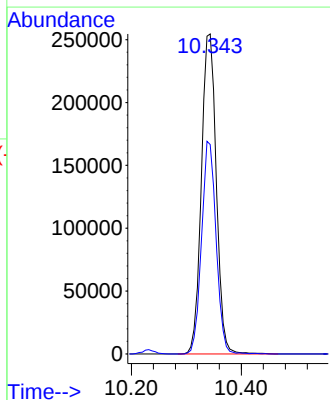
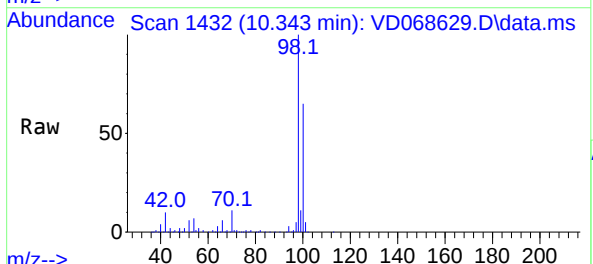
Manual Integrations
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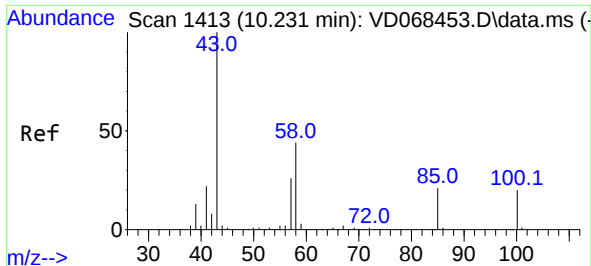
MMDadoda
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#50
Toluene-d8
Concen: 49.30 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 98 Resp: 479104
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4





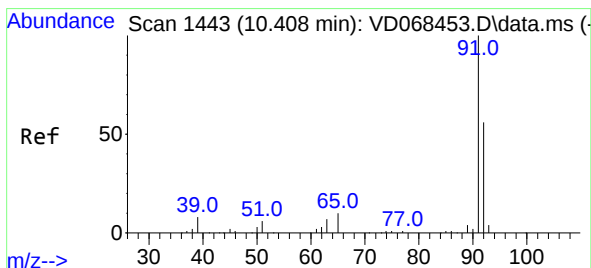
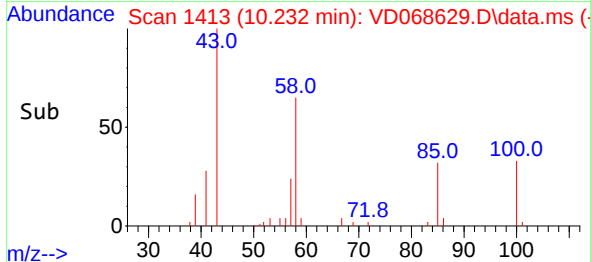
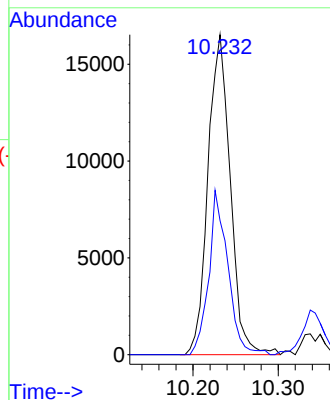
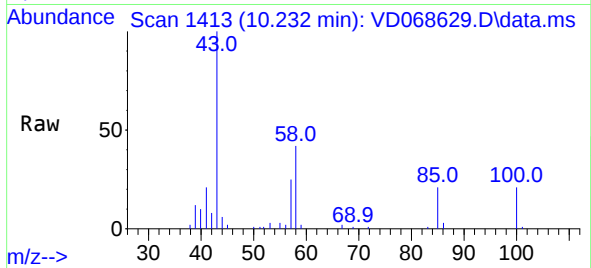
#51
4-Methyl-2-Pentanone
Concen: 24.52 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 43 Resp: 30121
Ion Ratio Lower Upper
43 100
58 44.1 36.1 54.1

Instrument :
MSVOA_D
ClientSampleId :
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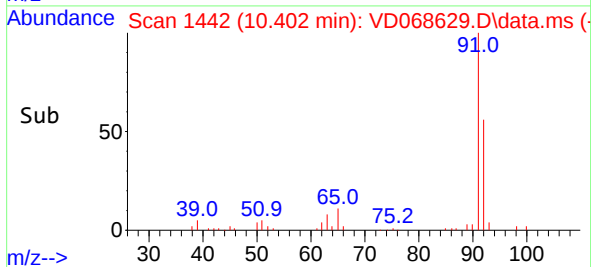
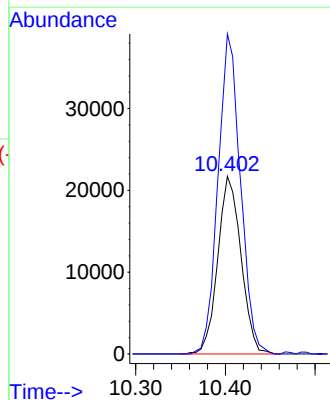
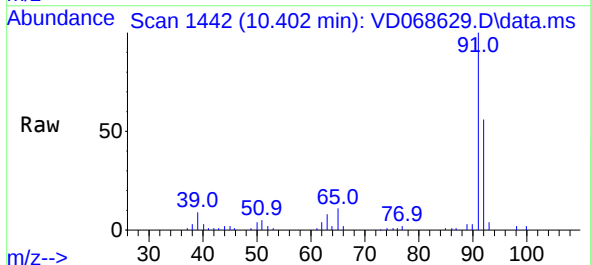
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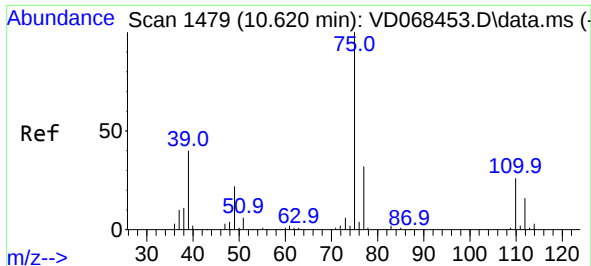
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#52
Toluene
Concen: 5.53 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 92 Resp: 39000
Ion Ratio Lower Upper
92 100
91 173.9 134.1 201.1





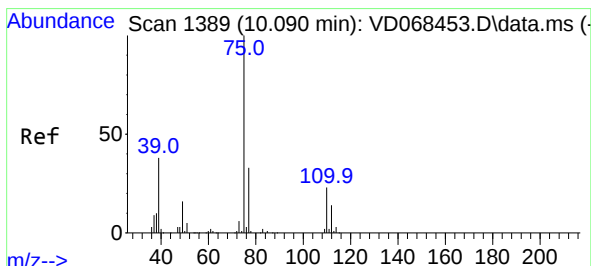
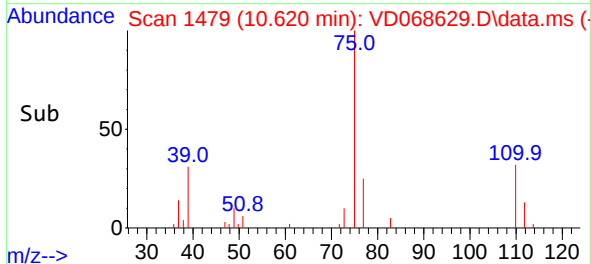
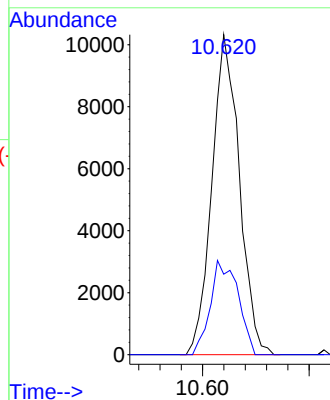
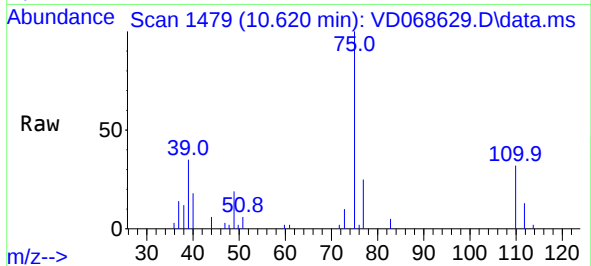
#53
t-1,3-Dichloropropene
Concen: 5.37 ug/l
RT: 10.620 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 75 Resp: 18447
Ion Ratio Lower Upper
75 100
77 25.2 25.0 37.4

Instrument :
MSVOA_D
ClientSampleId :
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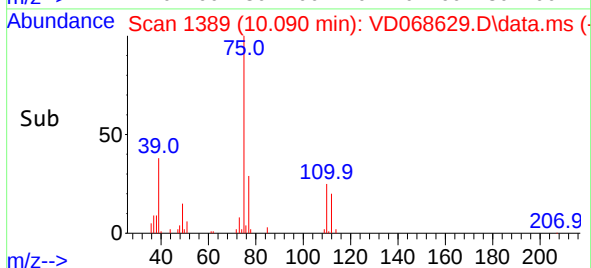
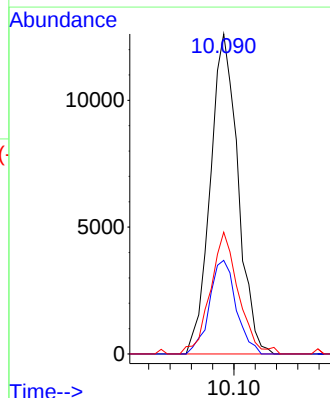
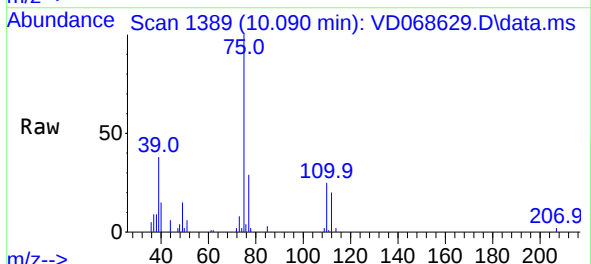
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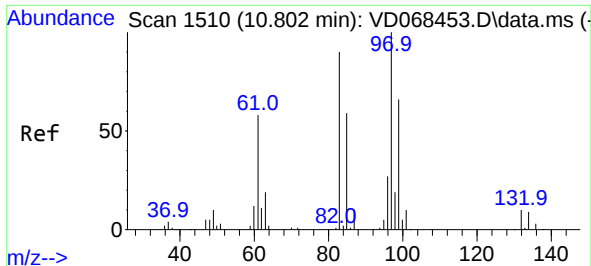
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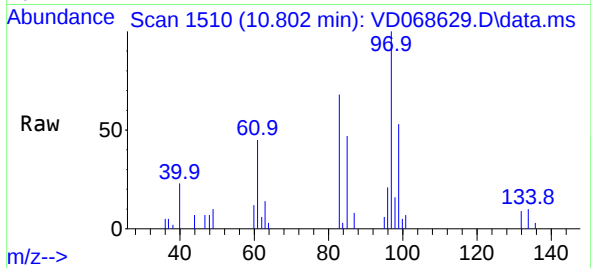
#54
cis-1,3-Dichloropropene
Concen: 5.42 ug/l
RT: 10.090 min Scan# 1389
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 75 Resp: 22704
Ion Ratio Lower Upper
75 100
77 29.2 24.6 37.0
39 38.1 31.4 47.0

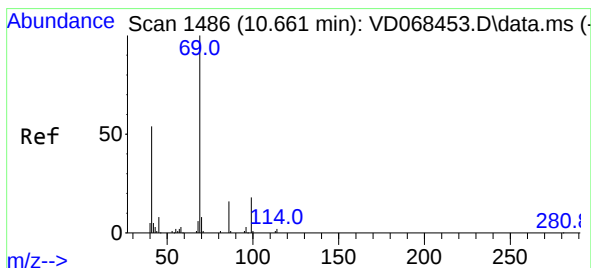
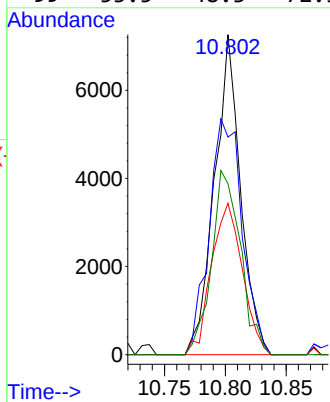
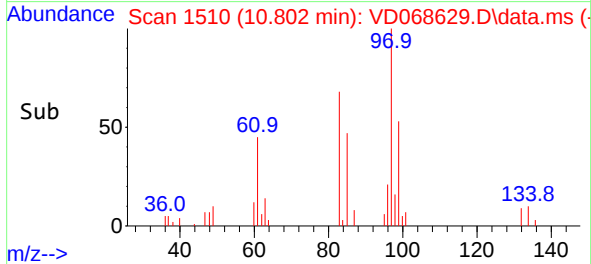




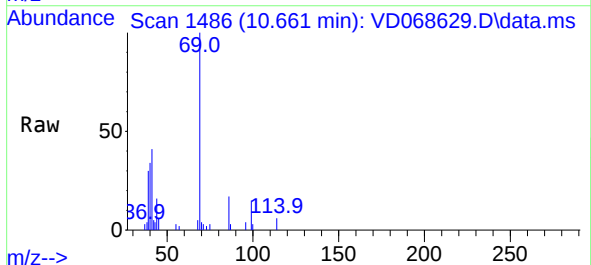
#55
1,1,2-Trichloroethane
Concen: 5.47 ug/l
RT: 10.802 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



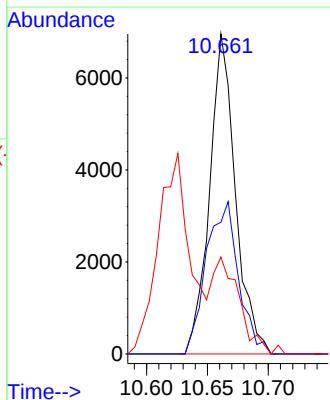
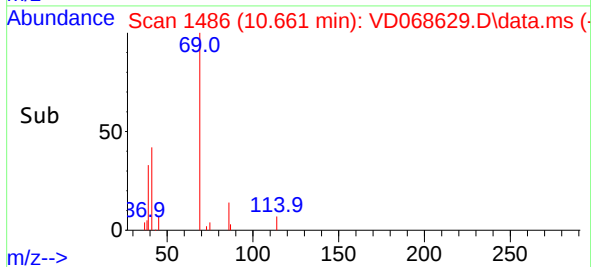
Tgt Ion:	97	Resp:	10867
Ion	Ratio	Lower	Upper
97	100		
83	68.0	61.8	92.6
85	47.3	42.2	63.2
99	53.5	48.3	72.5



#56
Ethyl methacrylate
Concen: 4.51 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



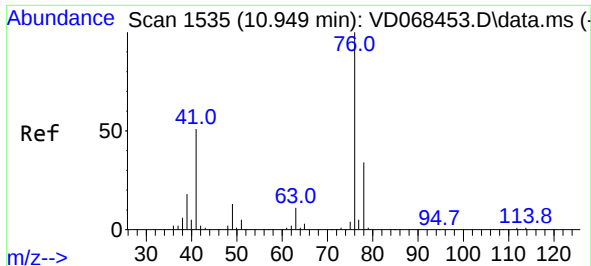
Tgt Ion:	69	Resp:	10293
Ion	Ratio	Lower	Upper
69	100		
41	59.3	44.9	67.3
39	31.6	21.9	32.9



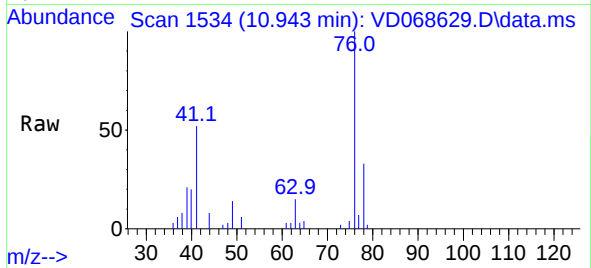
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

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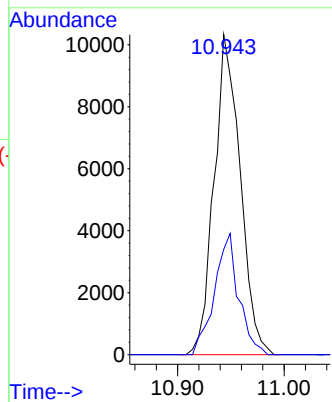
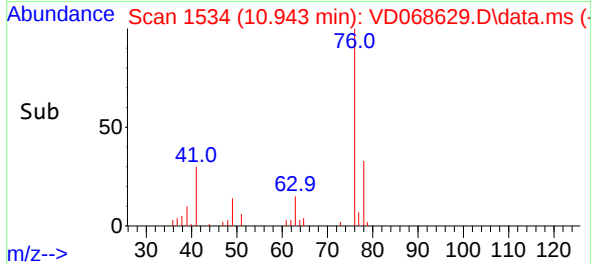
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#57
1,3-Dichloropropane
Concen: 5.05 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



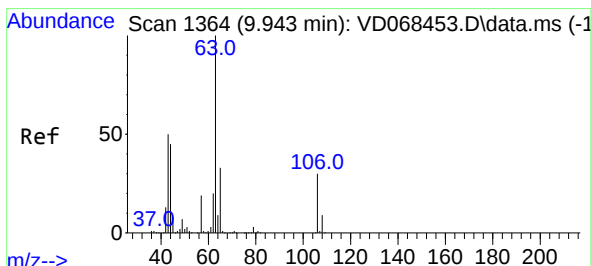
Tgt Ion: 76 Resp: 17530
Ion Ratio Lower Upper
76 100
78 35.1 25.6 38.4



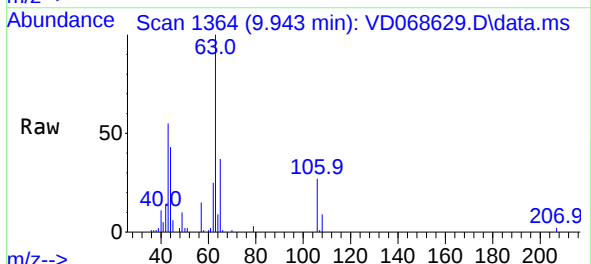
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

Manual Integrations
APPROVED

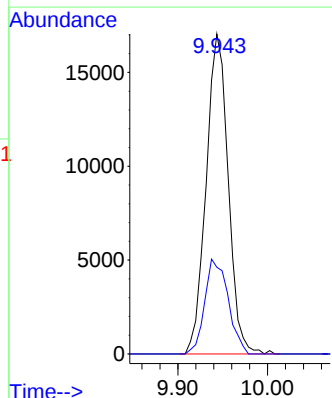
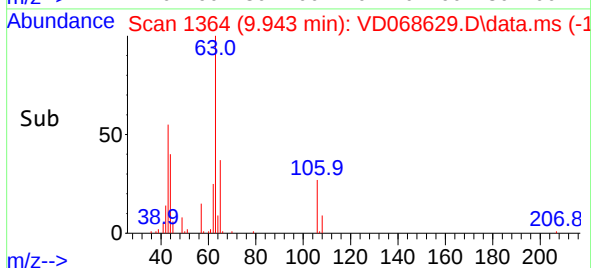
MMDadoda
3/17/2021 11:47:41 AM

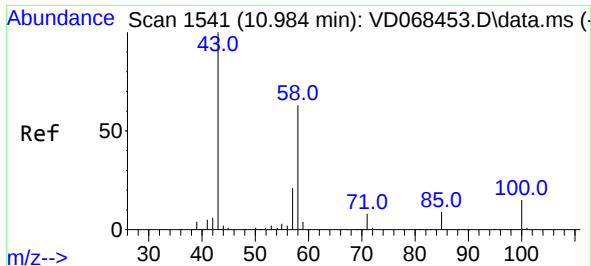


#58
2-Chloroethyl Vinyl ether
Concen: 25.44 ug/l
RT: 9.943 min Scan# 1364
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



Tgt Ion: 63 Resp: 29157
Ion Ratio Lower Upper
63 100
106 31.3 27.0 40.4





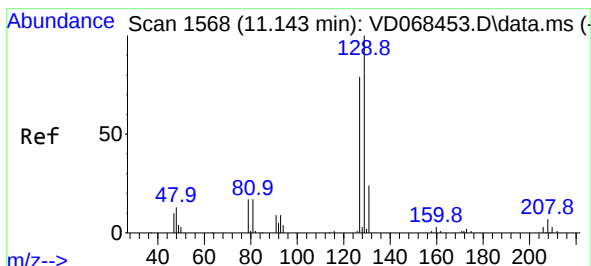
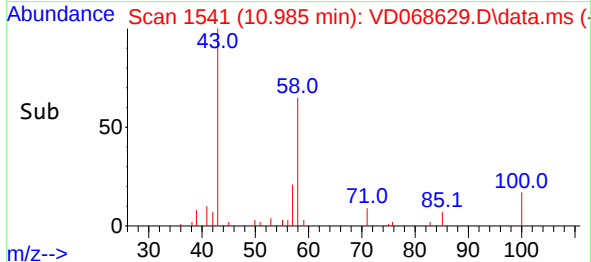
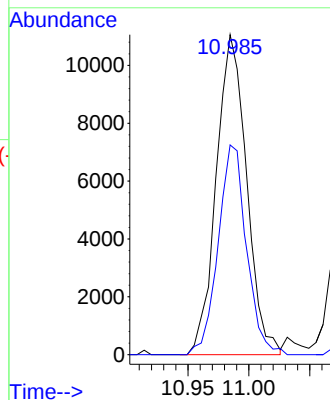
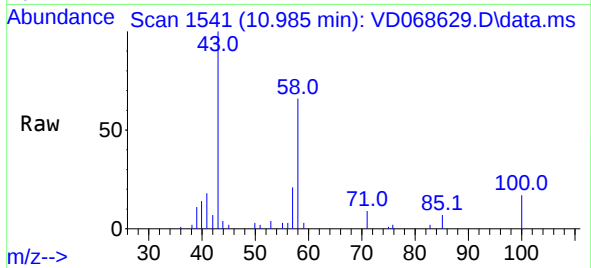
#59
2-Hexanone
Concen: 23.42 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 43 Resp: 19174
Ion Ratio Lower Upper
43 100
58 61.3 31.0 93.0

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

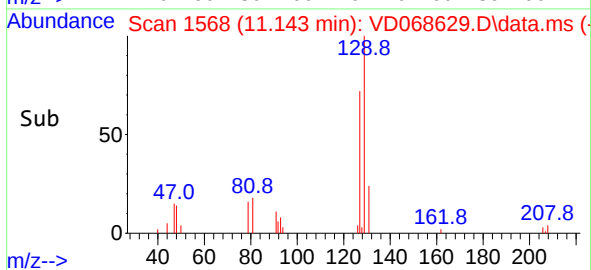
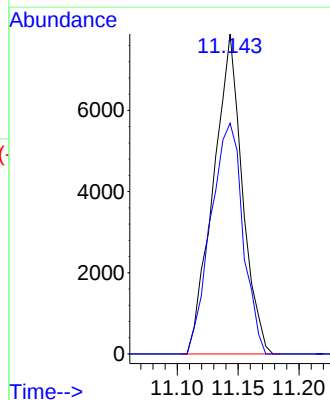
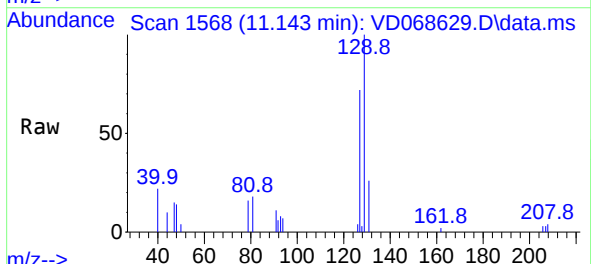
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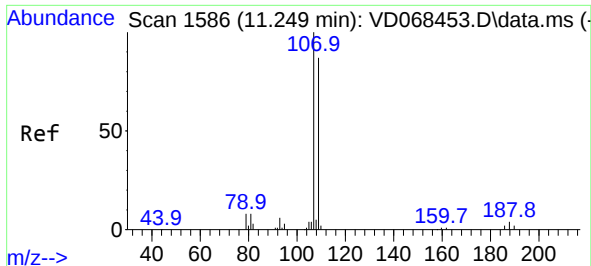
MMDadoda
3/17/2021 11:47:41 AM



#60
Dibromochloromethane
Concen: 5.29 ug/l
RT: 11.143 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

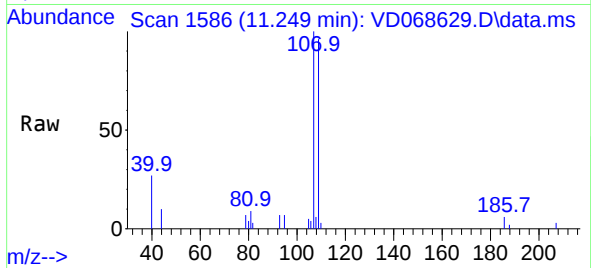
Tgt Ion: 129 Resp: 13021
Ion Ratio Lower Upper
129 100
127 80.2 38.6 116.0





#61
1,2-Dibromoethane
Concen: 5.19 ug/l
RT: 11.249 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

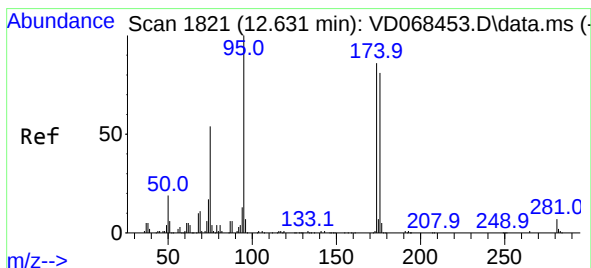
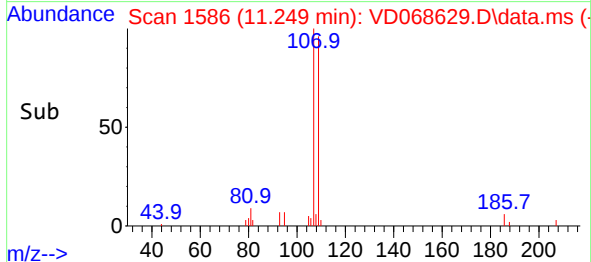
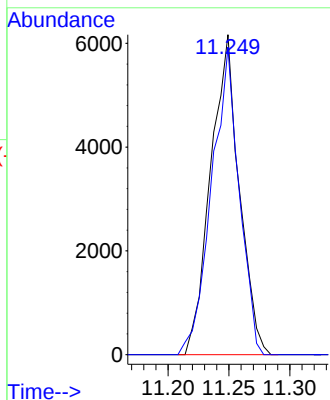
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021



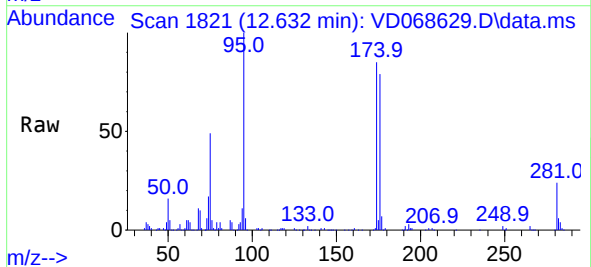
Tgt Ion:107 Resp: 10086
Ion Ratio Lower Upper
107 100
109 92.6 74.8 112.2

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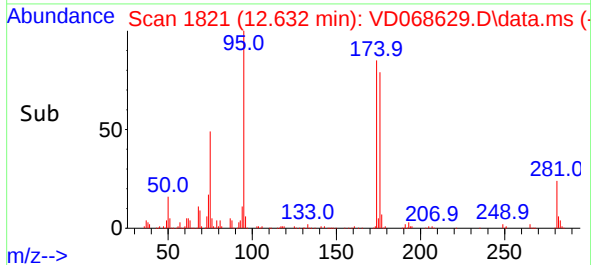
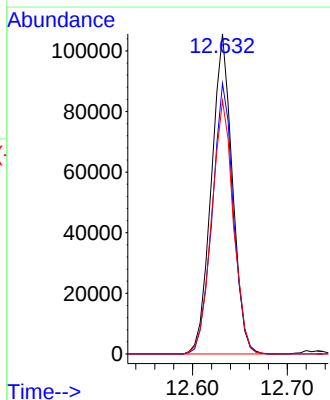
MMDadoda
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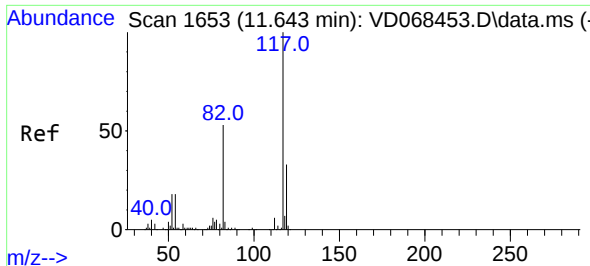


#62
4-Bromofluorobenzene
Concen: 51.80 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

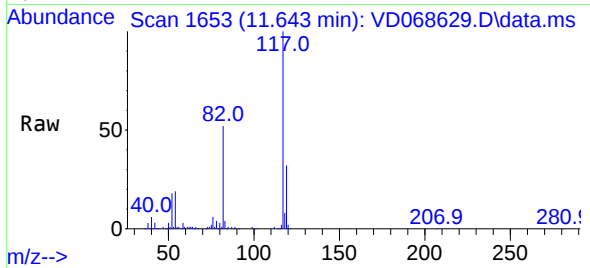


Tgt Ion: 95 Resp: 162228
Ion Ratio Lower Upper
95 100
174 85.0 0.0 172.4
176 81.7 0.0 168.4

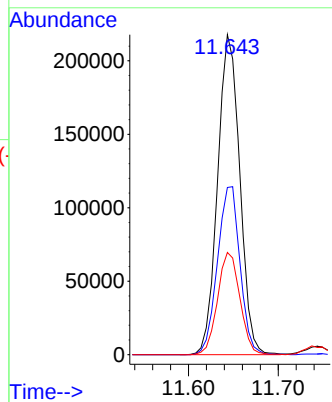
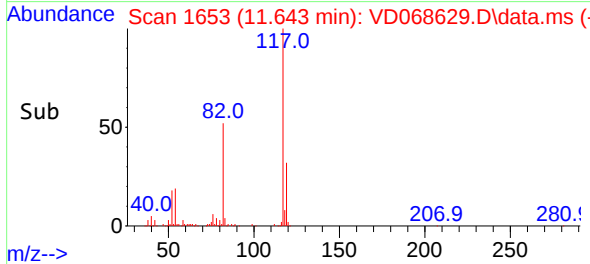




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



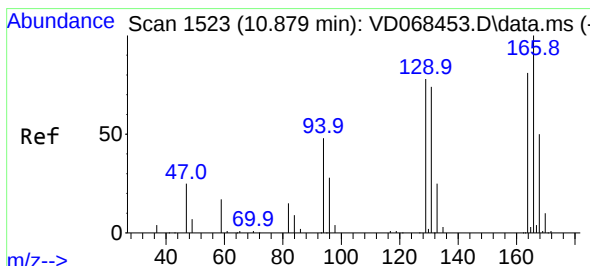
Tgt Ion:117 Resp: 373876
Ion Ratio Lower Upper
117 100
82 52.2 41.4 62.0
119 32.0 26.1 39.1



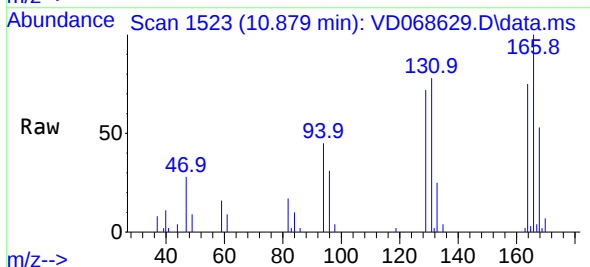
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

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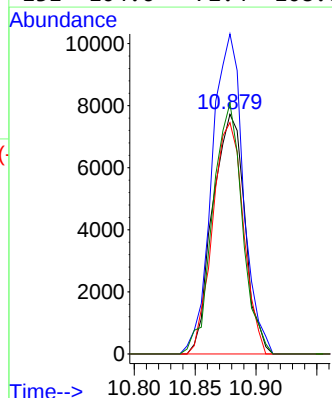
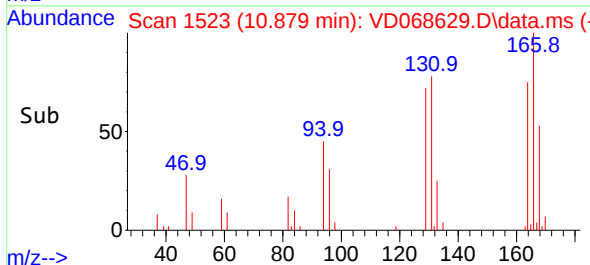
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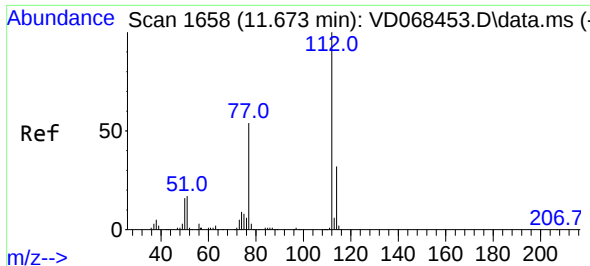


#64
Tetrachloroethene
Concen: 5.78 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



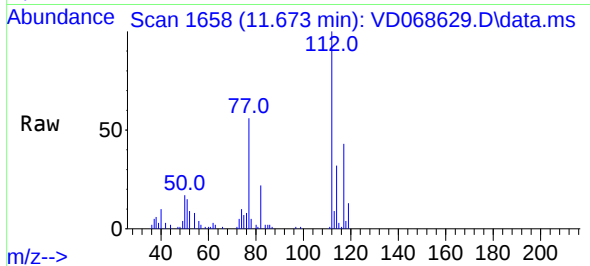
Tgt Ion:164 Resp: 14110
Ion Ratio Lower Upper
164 100
166 133.5 105.5 158.3
129 96.6 75.6 113.4
131 104.6 72.4 108.6





#65
Chlorobenzene
Concen: 5.57 ug/l
RT: 11.673 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

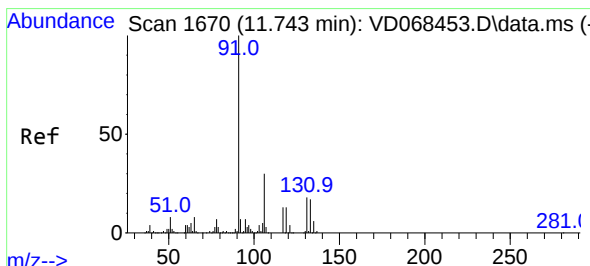
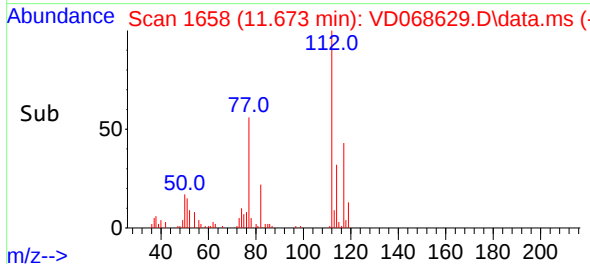
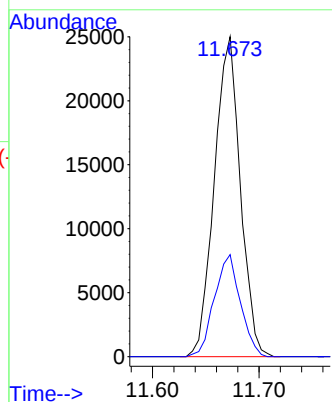
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021



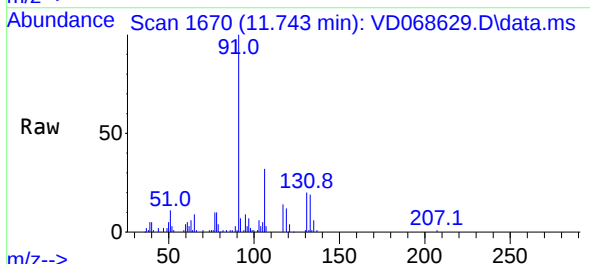
Tgt Ion:112 Resp: 42378
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5

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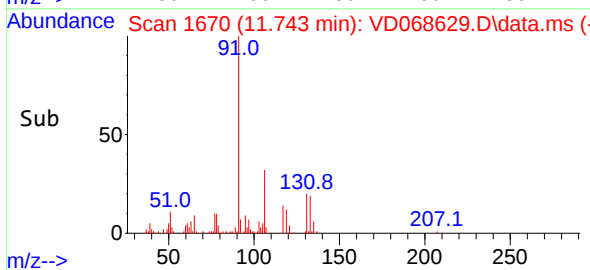
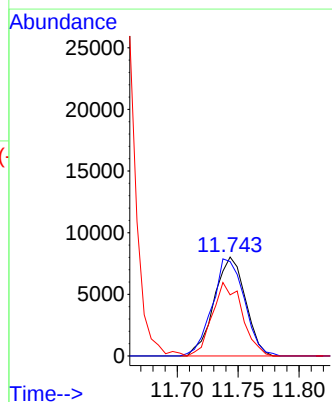
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.41 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



Tgt Ion:131 Resp: 14324
Ion Ratio Lower Upper
131 100
133 100.9 48.1 144.4
119 71.1 31.6 94.8





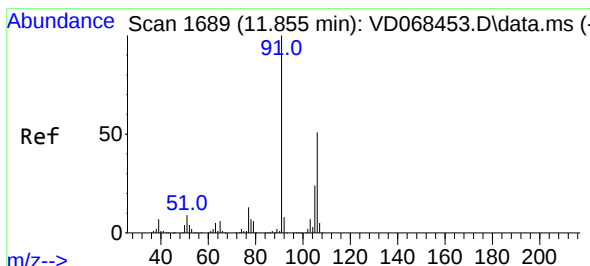
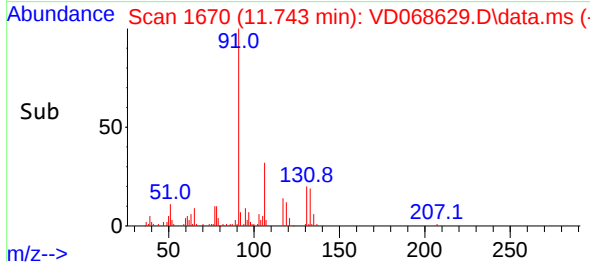
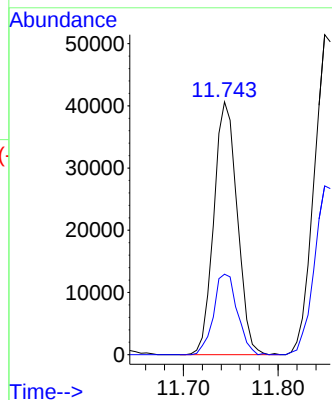
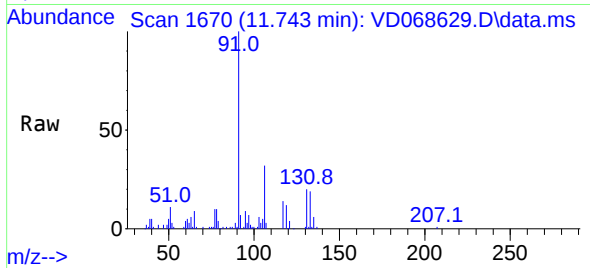
#67
Ethyl Benzene
Concen: 5.14 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 91 Resp: 69852
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

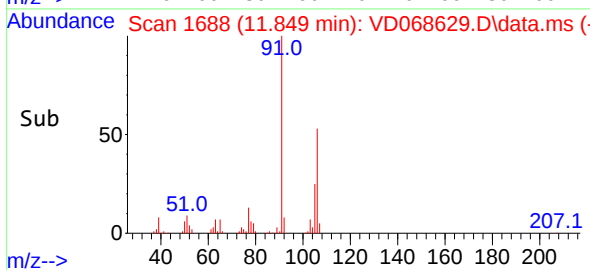
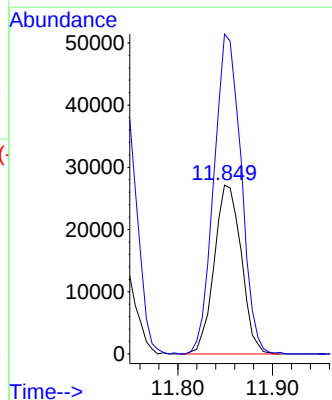
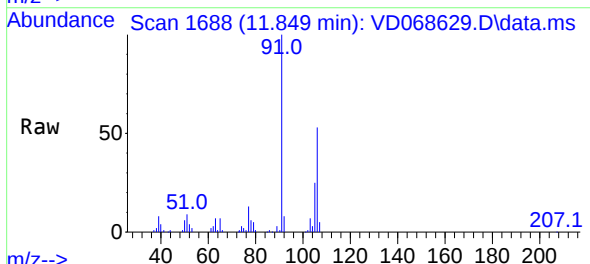
Manual Integrations
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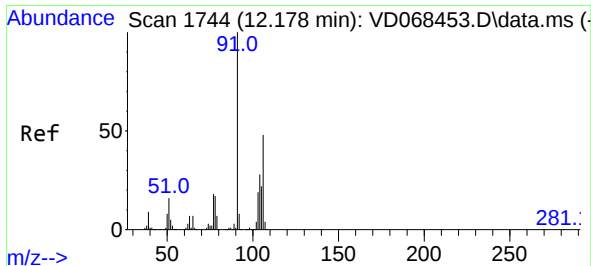
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#68
m/p-Xylenes
Concen: 10.44 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

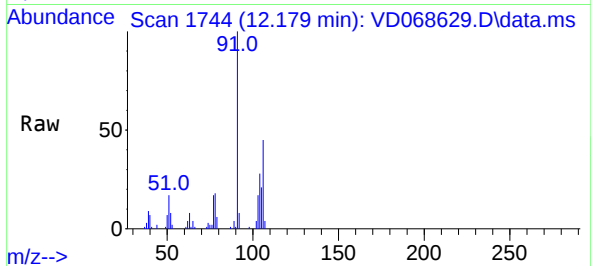
Tgt Ion: 106 Resp: 53870
Ion Ratio Lower Upper
106 100
91 190.8 159.1 238.7





#69
o-Xylene
Concen: 4.90 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

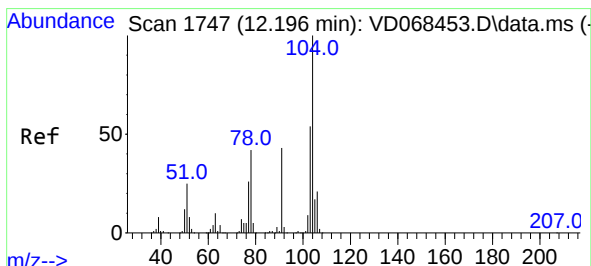
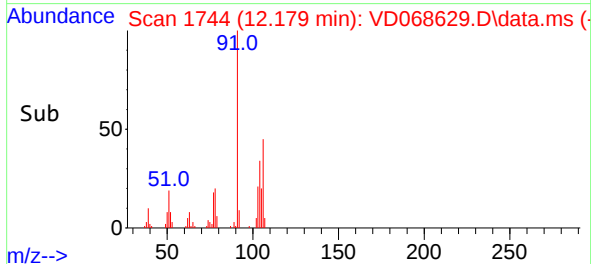
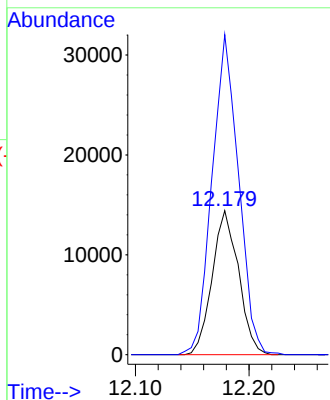
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021



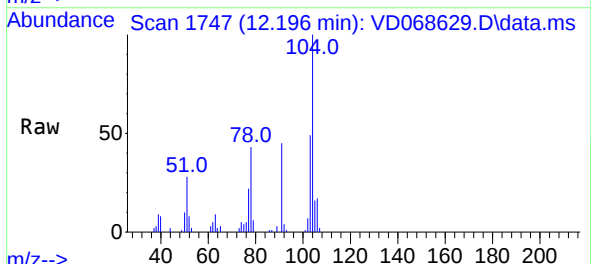
Tgt Ion:106 Resp: 23282
Ion Ratio Lower Upper
106 100
91 223.1 108.7 325.9

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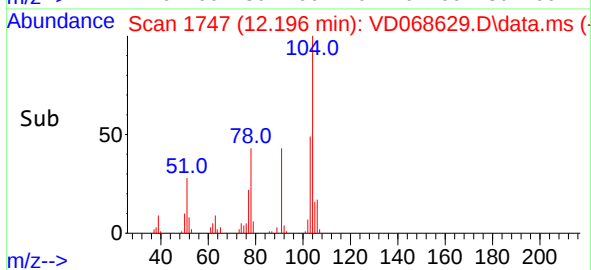
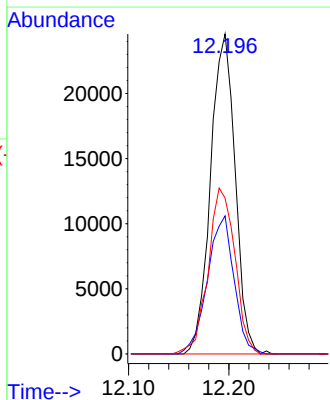
MMDadoda
3/17/2021 11:47:41 AM

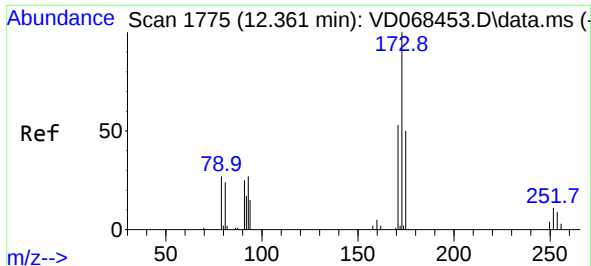


#70
Styrene
Concen: 5.16 ug/l
RT: 12.196 min Scan# 1747
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



Tgt Ion:104 Resp: 41916
Ion Ratio Lower Upper
104 100
78 46.6 38.2 57.2
103 56.4 43.1 64.7





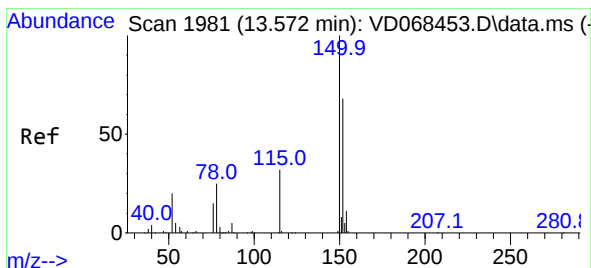
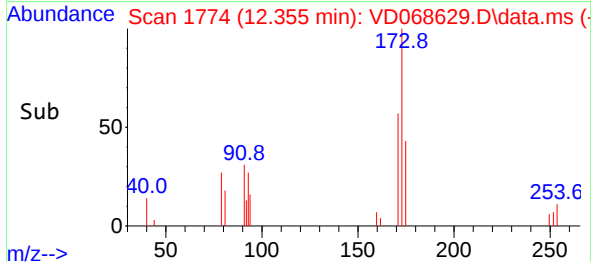
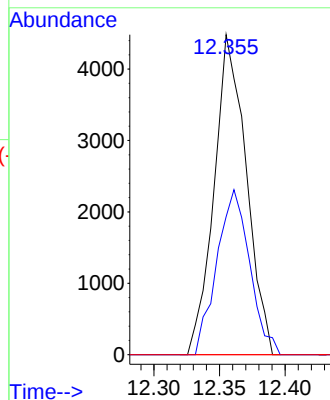
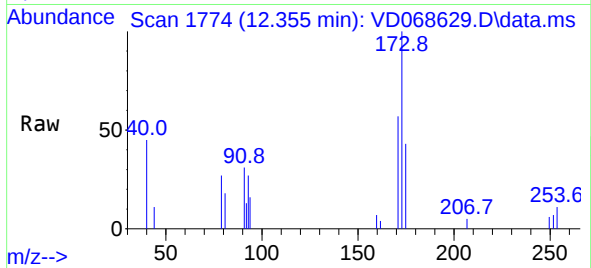
#71
Bromoform
Concen: 5.68 ug/l
RT: 12.355 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:173 Resp: 7640
Ion Ratio Lower Upper
173 100
175 52.7 24.6 73.8
254 0.0 0.0 0.0

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

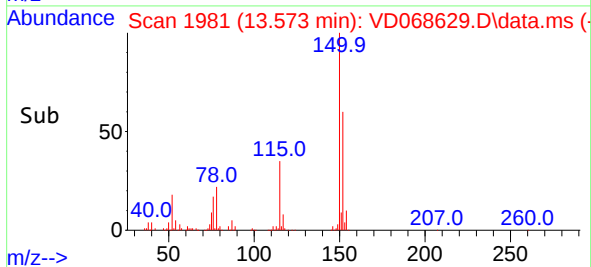
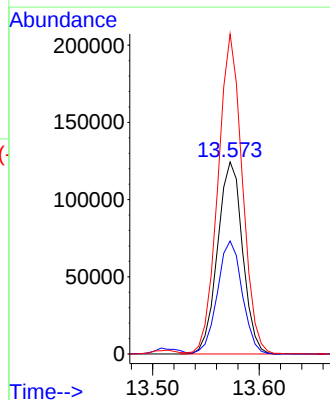
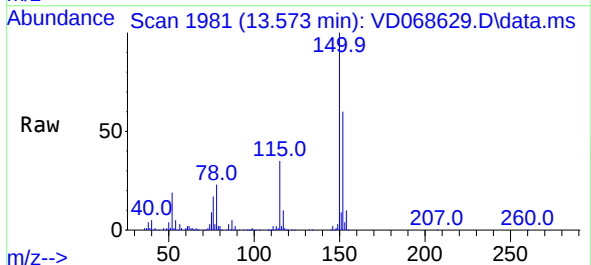
Manual Integrations
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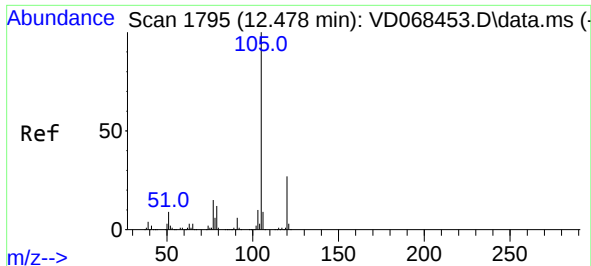
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:152 Resp: 202352
Ion Ratio Lower Upper
152 100
115 58.4 28.9 86.8
150 162.5 0.0 344.4





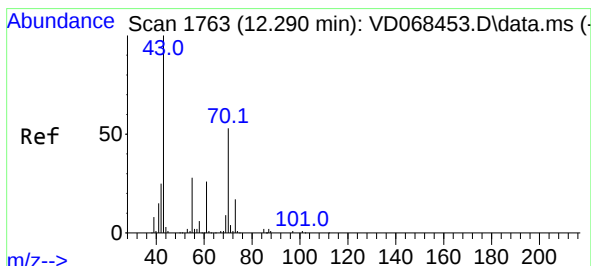
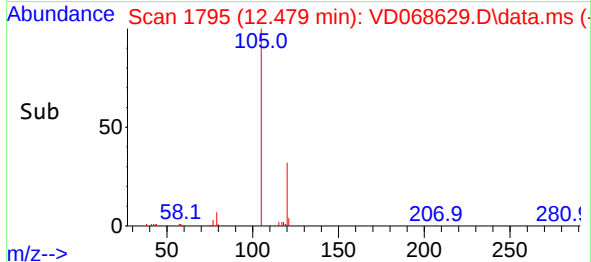
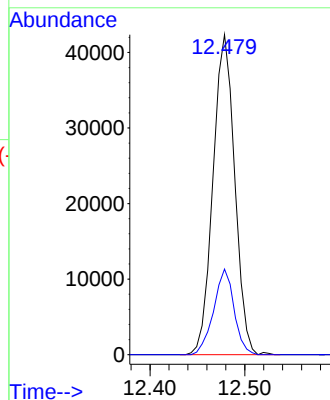
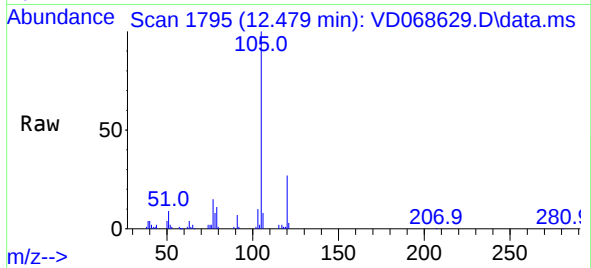
#73
Isopropylbenzene
Concen: 4.49 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 105 Resp: 67369
Ion Ratio Lower Upper
105 100
120 25.2 13.2 39.6

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

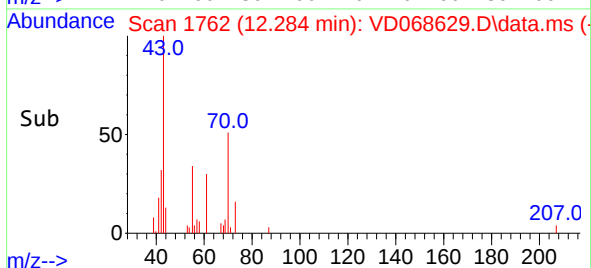
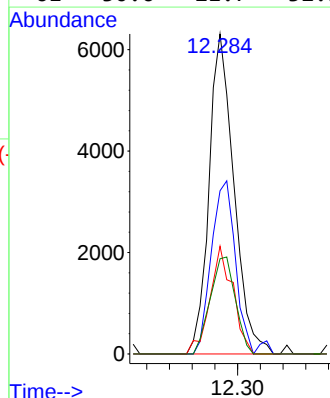
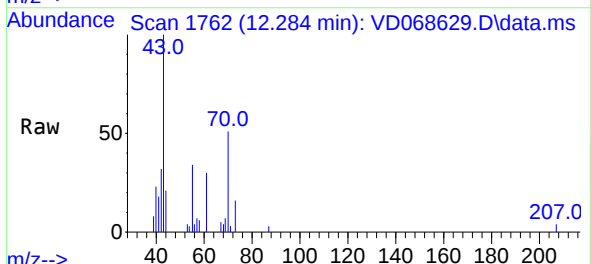
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#74
N-ethyl acetate
Concen: 3.75 ug/l
RT: 12.284 min Scan# 1762
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 43 Resp: 9600
Ion Ratio Lower Upper
43 100
70 53.6 41.8 62.8
55 31.0 24.2 36.4
61 30.6 21.7 32.5





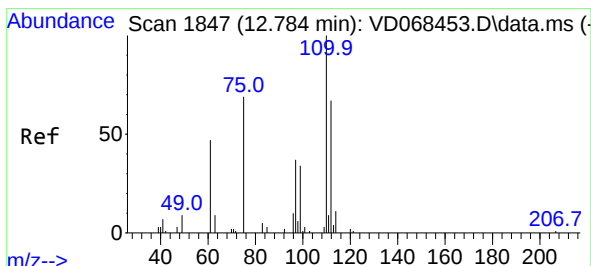
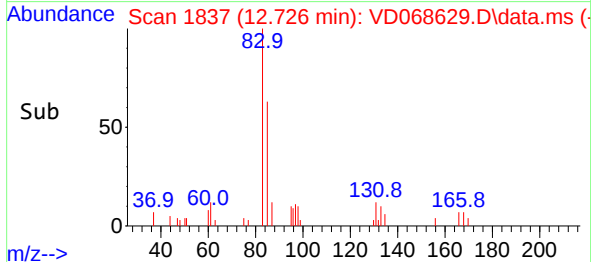
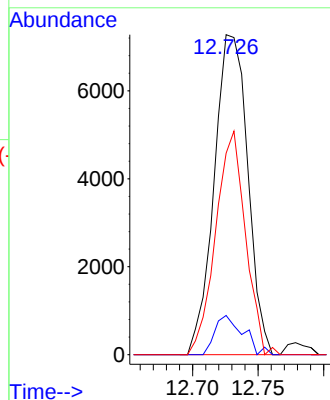
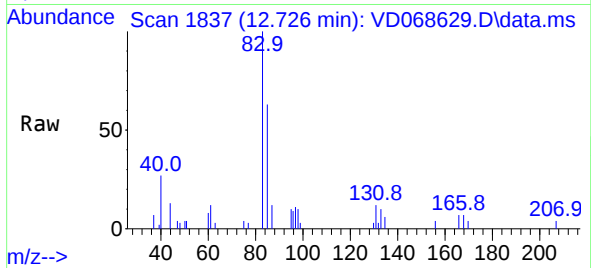
#75
1,1,2,2-Tetrachloroethane
Concen: 5.02 ug/l
RT: 12.726 min Scan# 1837
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 83 Resp: 12963
Ion Ratio Lower Upper
83 100
131 10.3 5.8 17.4
85 61.9 32.4 97.2

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

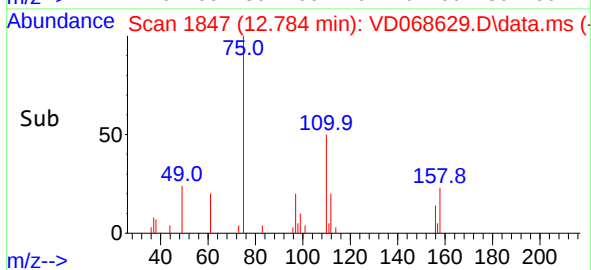
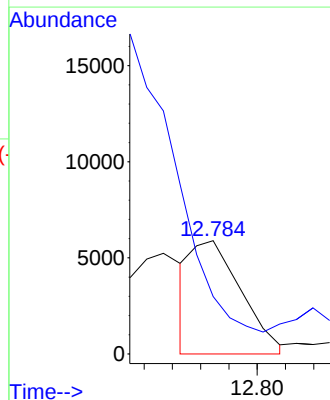
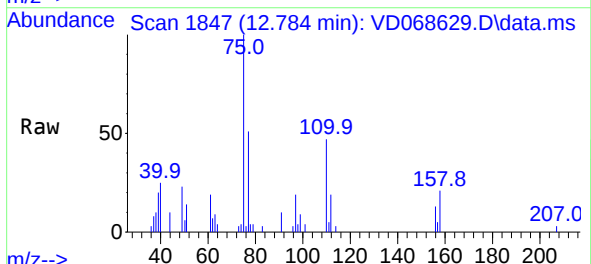
Manual Integrations
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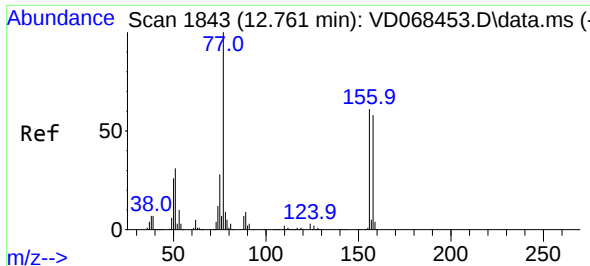
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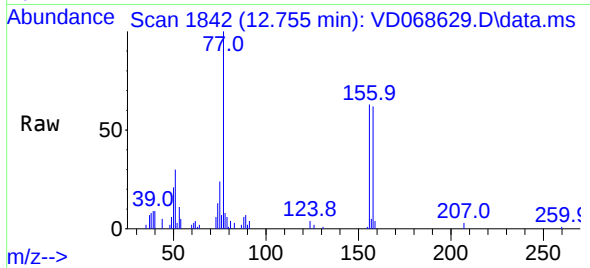
#76
1,2,3-Trichloropropane
Concen: 4.03 ug/l m
RT: 12.784 min Scan# 1847
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 75 Resp: 7238
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

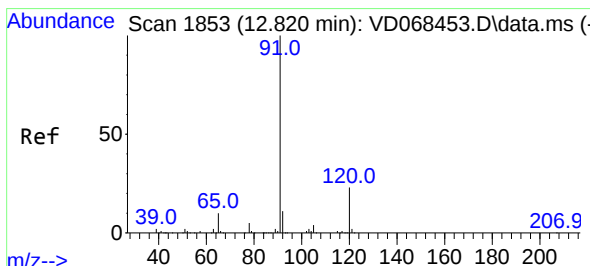
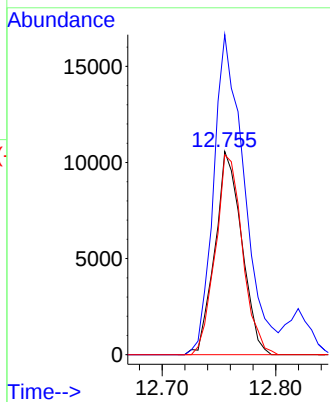
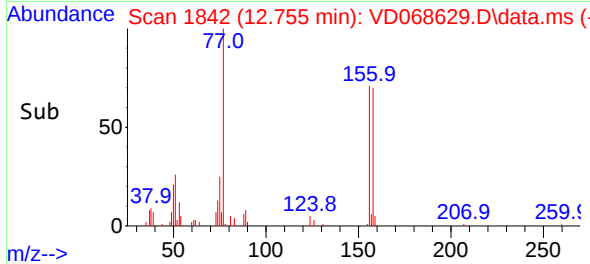




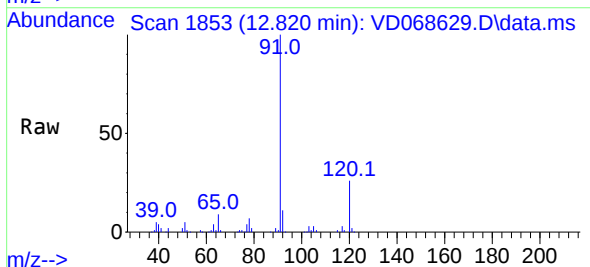
#77
Bromobenzene
Concen: 5.08 ug/l
RT: 12.755 min Scan# 1842
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



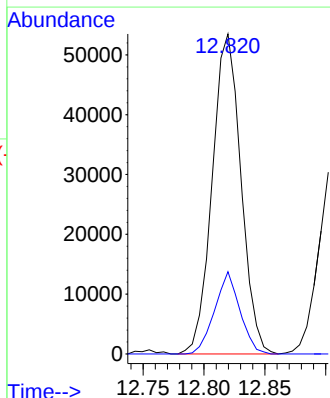
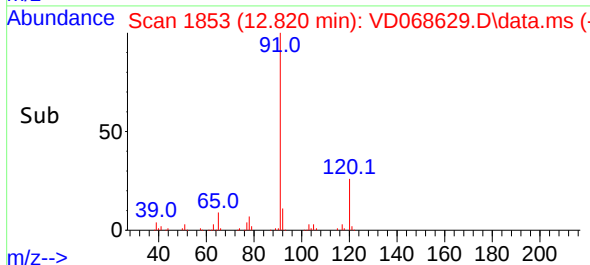
Tgt Ion:156 Resp: 17389
Ion Ratio Lower Upper
156 100
77 180.0 82.8 248.3
158 99.1 48.0 144.0



#78
n-propylbenzene
Concen: 4.90 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



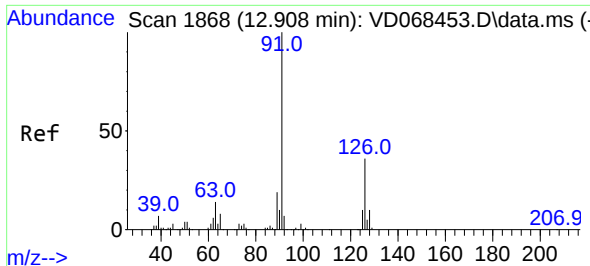
Tgt Ion: 91 Resp: 87804
Ion Ratio Lower Upper
91 100
120 22.6 12.0 36.0



Instrument :
MSVOA_D
ClientSampleId :
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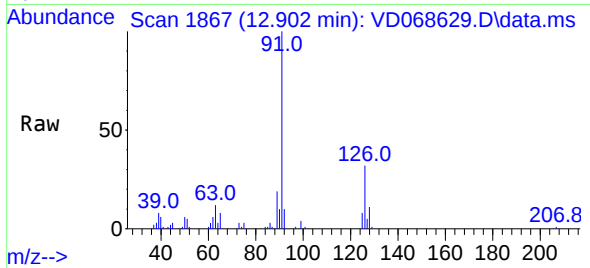
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#79
2-Chlorotoluene
Concen: 5.10 ug/l
RT: 12.902 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

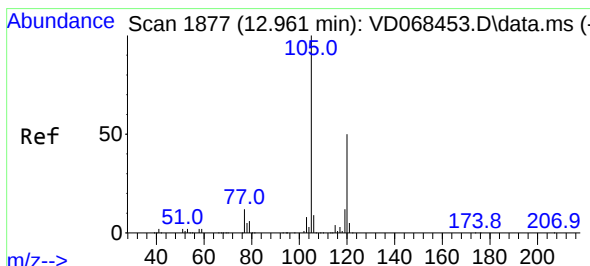
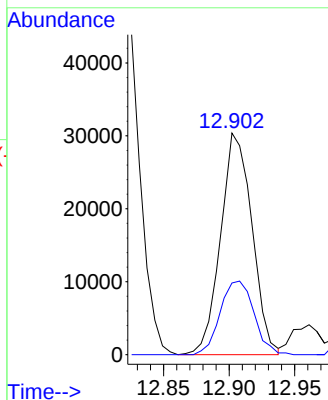
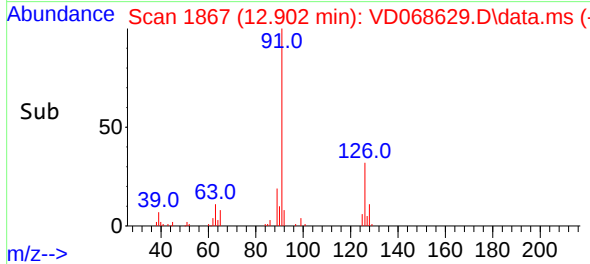
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ClientSampleId :
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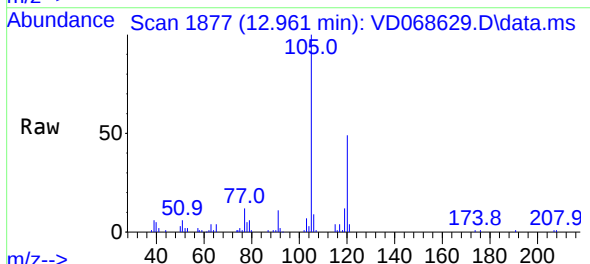
Tgt Ion: 91 Resp: 50750
Ion Ratio Lower Upper
91 100
126 35.7 17.8 53.5

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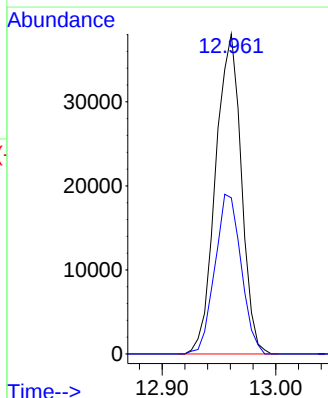
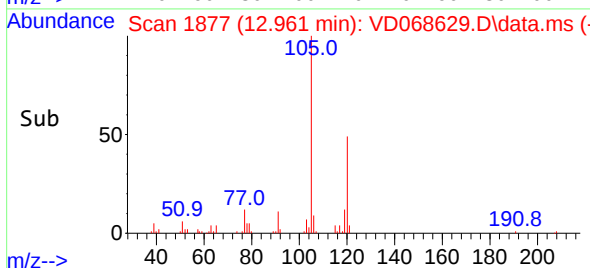
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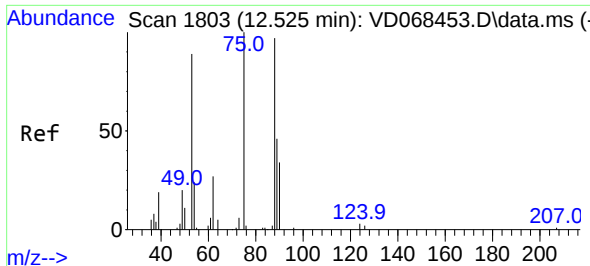


#80
1,3,5-Trimethylbenzene
Concen: 4.86 ug/l
RT: 12.961 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



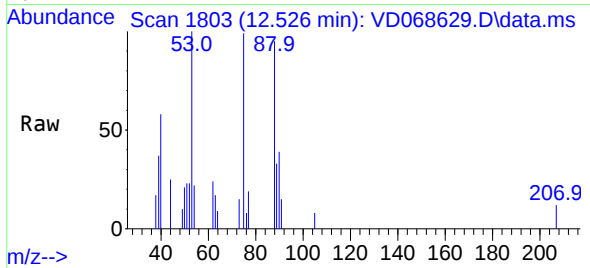
Tgt Ion: 105 Resp: 59823
Ion Ratio Lower Upper
105 100
120 51.0 24.2 72.6





#81
trans-1,4-Dichloro-2-butene
Concen: 4.09 ug/l
RT: 12.526 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

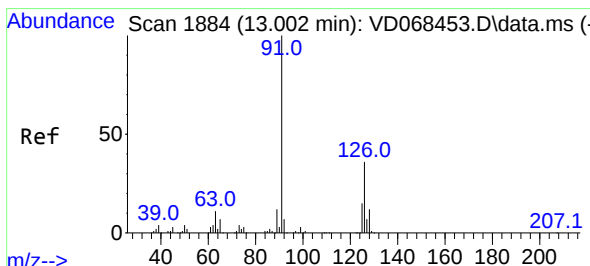
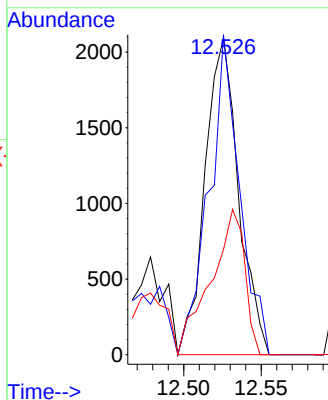
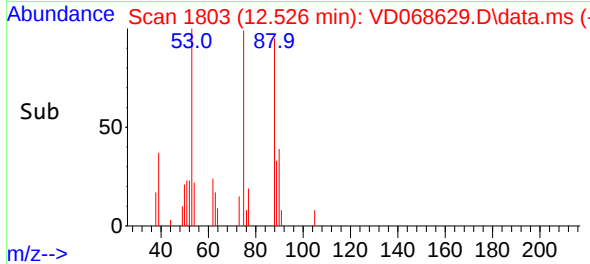
Instrument :
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ClientSampleId :
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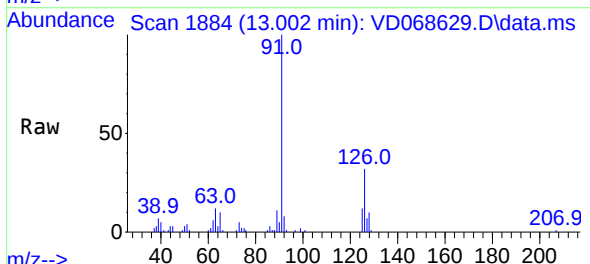
Tgt Ion: 75 Resp: 3146
Ion Ratio Lower Upper
75 100
53 92.4 70.2 105.2
89 46.4 40.3 60.5

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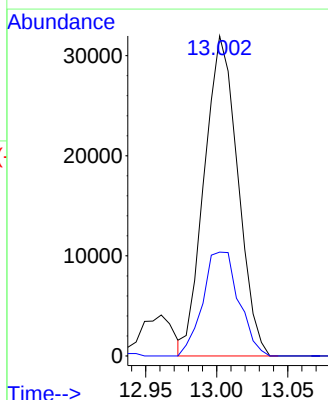
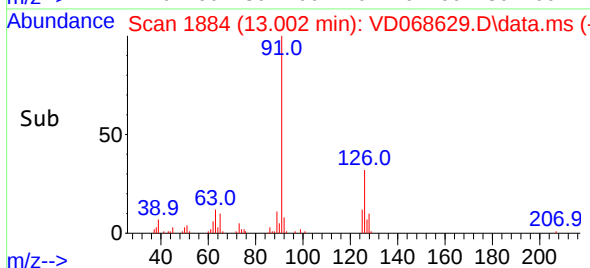
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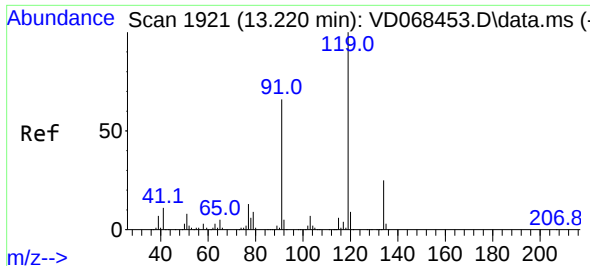


#82
4-Chlorotoluene
Concen: 5.00 ug/l
RT: 13.002 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



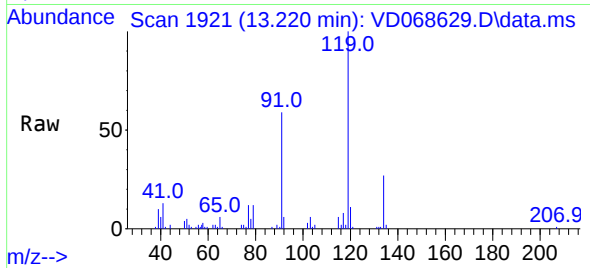
Tgt Ion: 91 Resp: 52411
Ion Ratio Lower Upper
91 100
126 35.1 17.7 53.1





#83
tert-Butylbenzene
Concen: 4.69 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

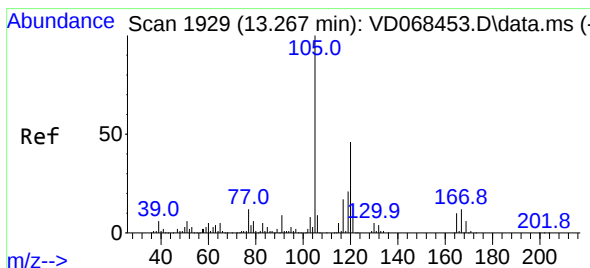
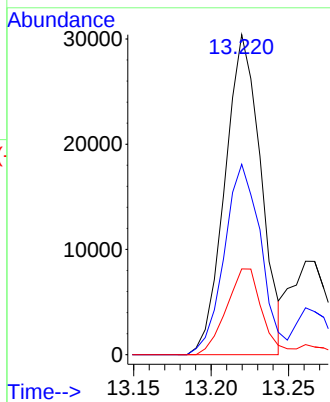
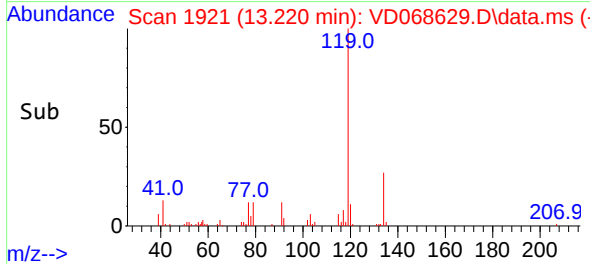
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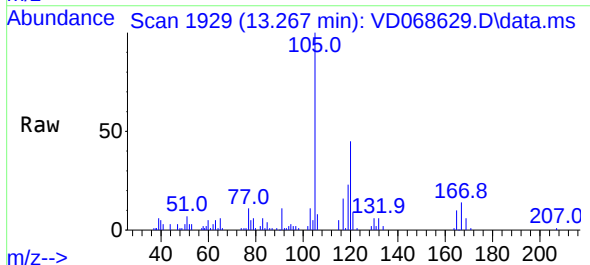
Tgt Ion:119 Resp: 49112
Ion Ratio Lower Upper
119 100
91 60.8 31.1 93.5
134 26.7 13.3 39.8

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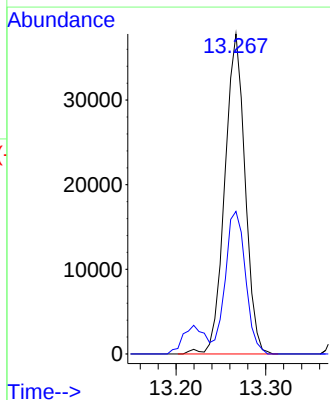
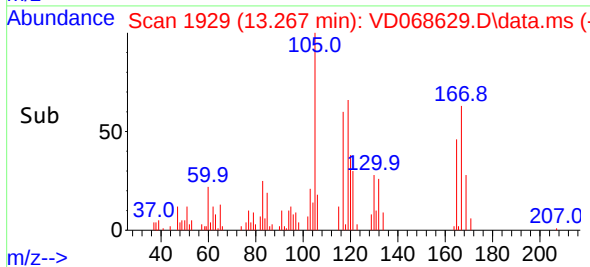
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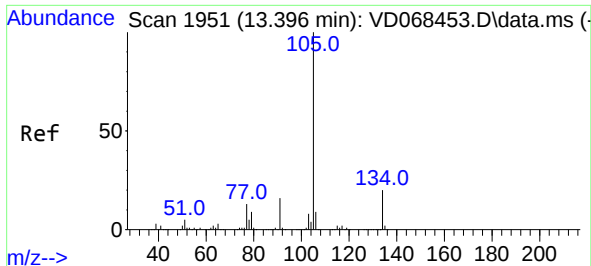


#84
1,2,4-Trimethylbenzene
Concen: 4.81 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



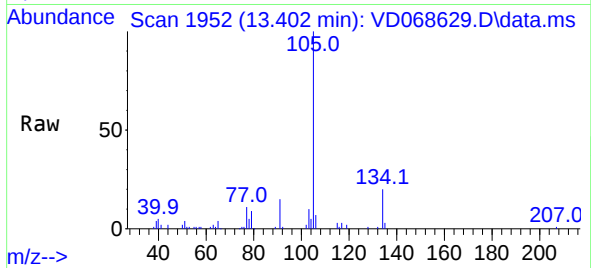
Tgt Ion:105 Resp: 59218
Ion Ratio Lower Upper
105 100
120 44.7 22.4 67.0





#85
 sec-Butylbenzene
 Concen: 4.87 ug/l
 RT: 13.402 min Scan# 1952
 Delta R.T. 0.006 min
 Lab File: VD068629.D
 Acq: 16 Mar 2021 14:01

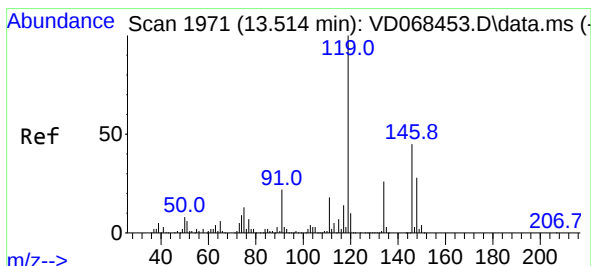
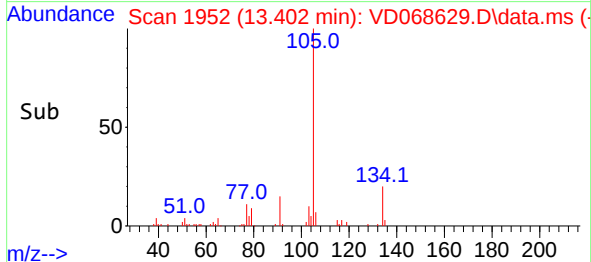
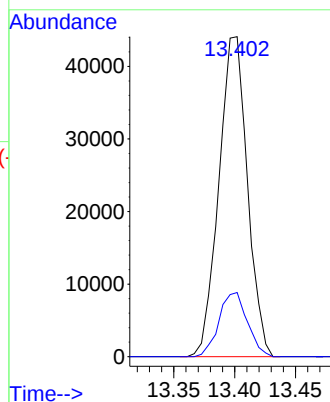
Instrument :
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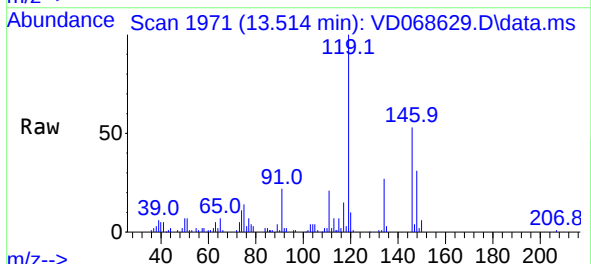
Tgt Ion:105 Resp: 71978
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.3 30.9

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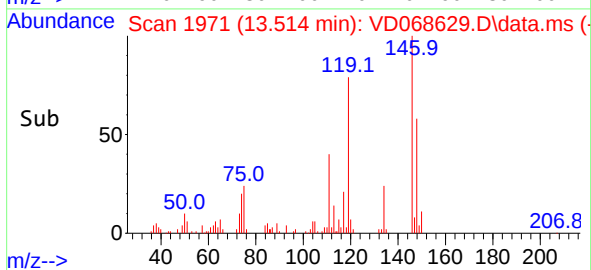
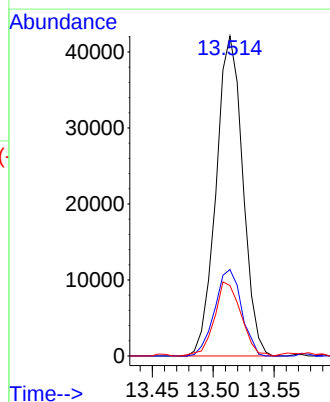
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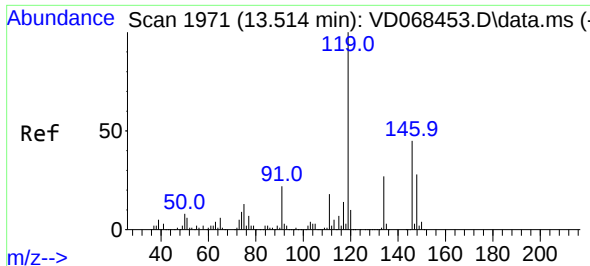


#86
 p-Isopropyltoluene
 Concen: 4.78 ug/l
 RT: 13.514 min Scan# 1971
 Delta R.T. 0.000 min
 Lab File: VD068629.D
 Acq: 16 Mar 2021 14:01

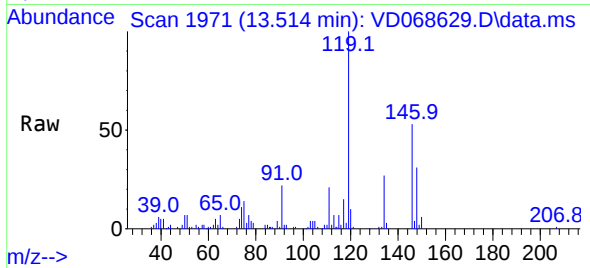


Tgt Ion:119 Resp: 64172
 Ion Ratio Lower Upper
 119 100
 134 27.1 12.9 38.7
 91 23.1 11.7 35.0

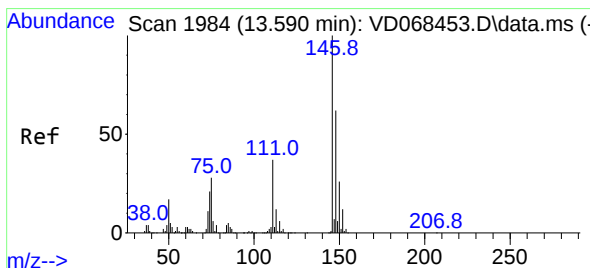
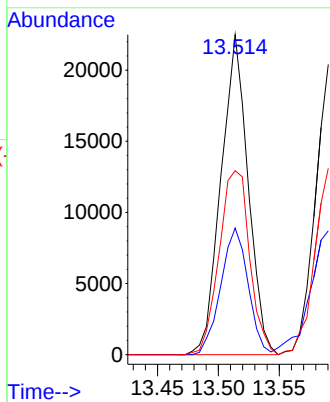
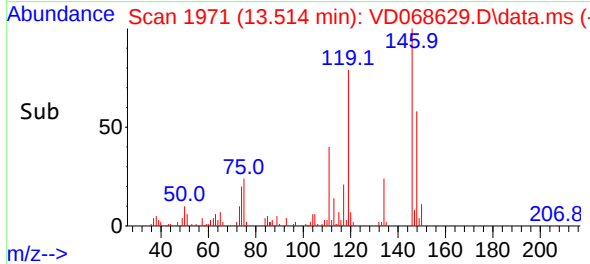




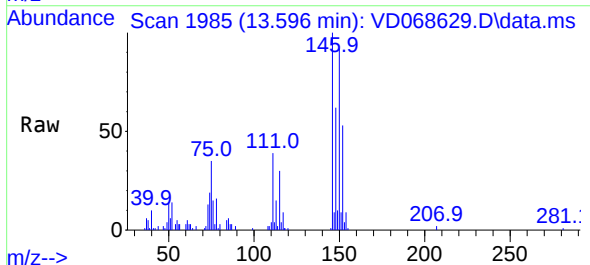
#87
1,3-Dichlorobenzene
Concen: 5.26 ug/l
RT: 13.514 min Scan# 1971
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



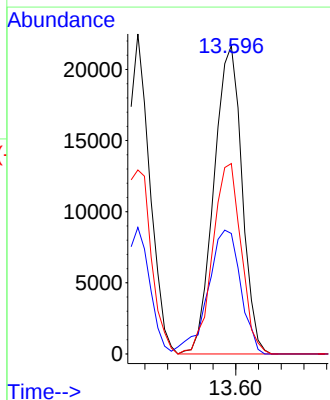
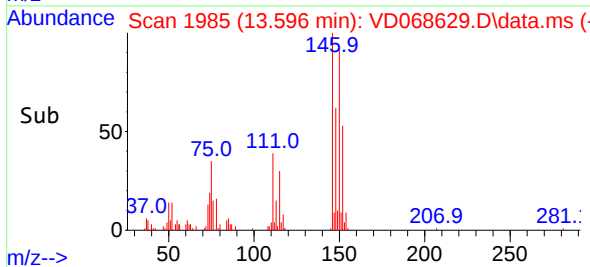
Tgt Ion:146 Resp: 34785
Ion Ratio Lower Upper
146 100
111 40.0 19.5 58.5
148 65.0 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 5.67 ug/l
RT: 13.596 min Scan# 1985
Delta R.T. 0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



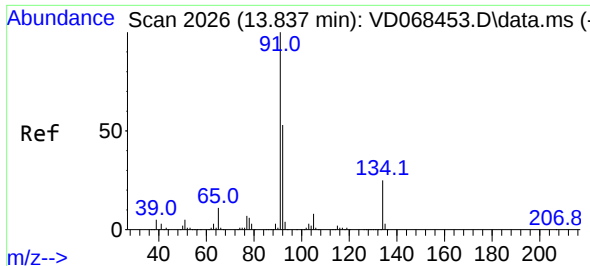
Tgt Ion:146 Resp: 37149
Ion Ratio Lower Upper
146 100
111 46.9 19.1 57.1
148 62.7 31.9 95.7



Instrument :
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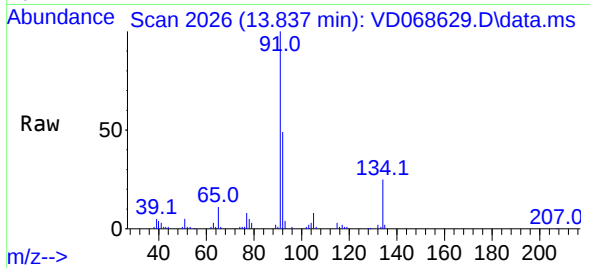
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#89
n-Butylbenzene
Concen: 5.00 ug/l
RT: 13.837 min Scan# 2026
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

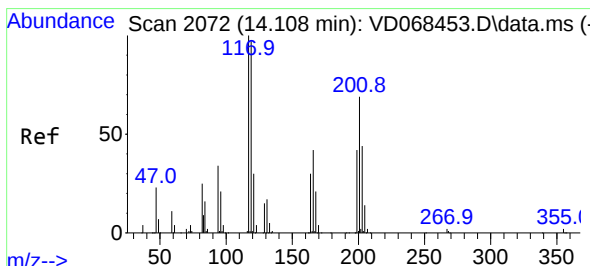
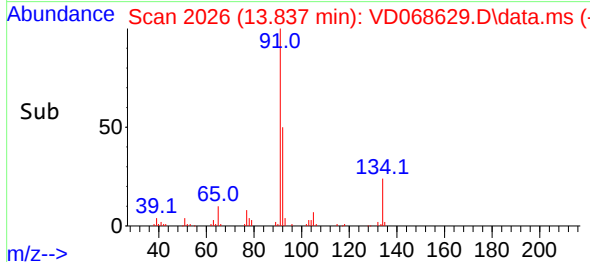
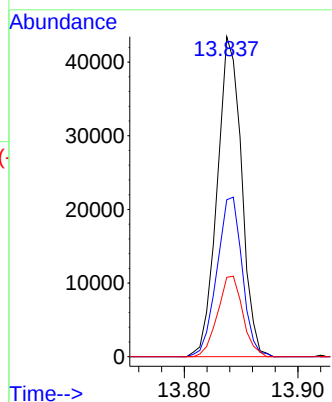
Instrument :
MSVOA_D
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Tgt Ion: 91 Resp: 64731
Ion Ratio Lower Upper
91 100
92 51.8 27.2 81.6
134 25.9 13.9 41.7

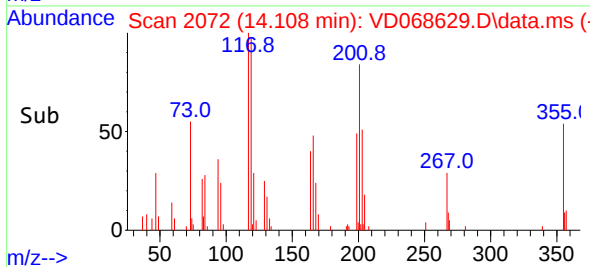
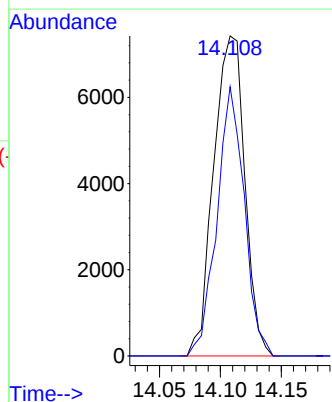
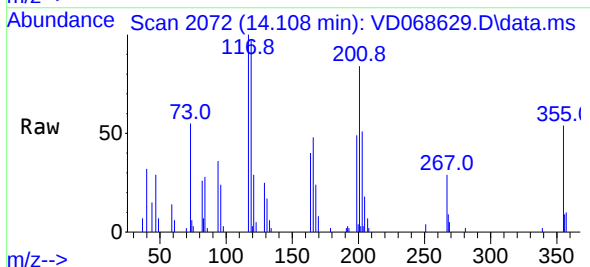
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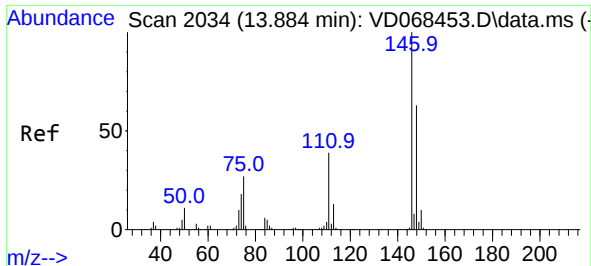
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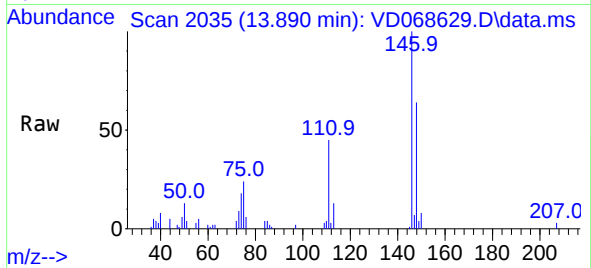
#90
Hexachloroethane
Concen: 4.96 ug/l
RT: 14.108 min Scan# 2072
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion: 117 Resp: 13234
Ion Ratio Lower Upper
117 100
201 73.9 39.5 118.5

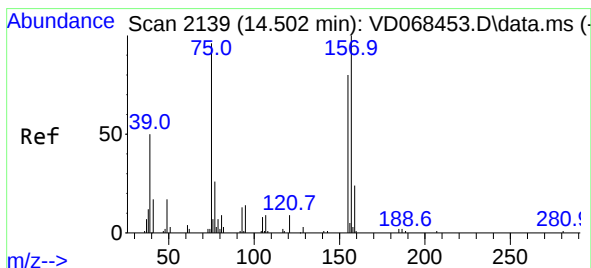
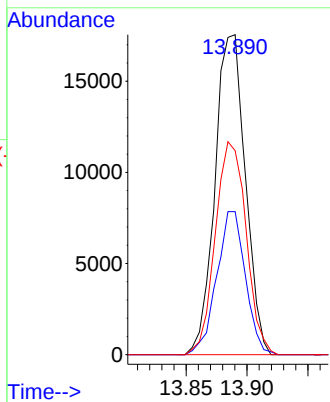
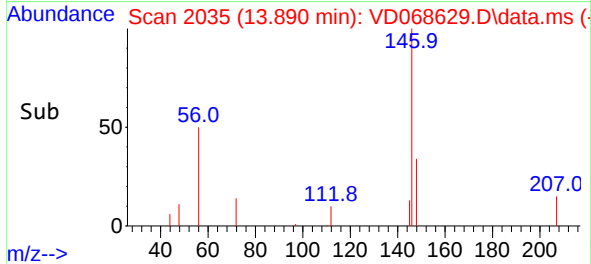




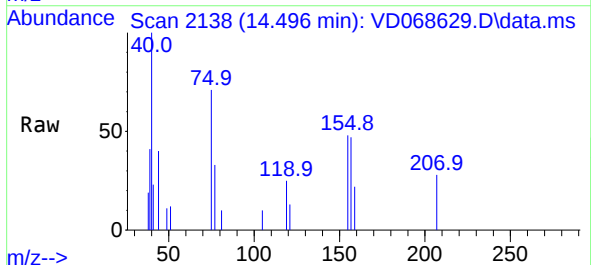
#91
1,2-Dichlorobenzene
Concen: 5.38 ug/l
RT: 13.890 min Scan# 2035
Delta R.T. 0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



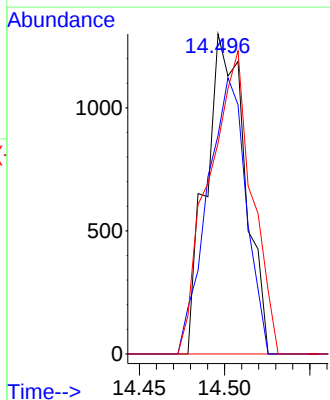
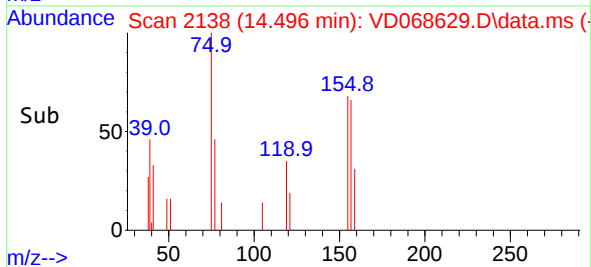
Tgt Ion:146 Resp: 30503
Ion Ratio Lower Upper
146 100
111 42.4 20.3 60.9
148 67.6 31.7 95.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.52 ug/l
RT: 14.496 min Scan# 2138
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01



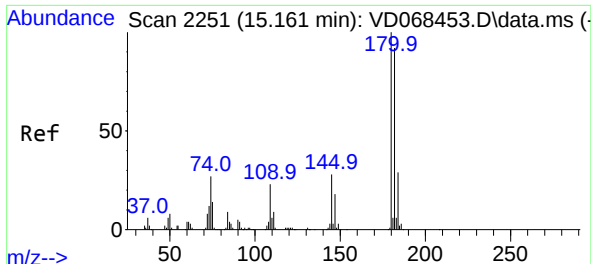
Tgt Ion: 75 Resp: 2058
Ion Ratio Lower Upper
75 100
155 86.7 48.0 144.2
157 105.2 65.0 194.8



Instrument :
MSVOA_D
ClientSampleId :
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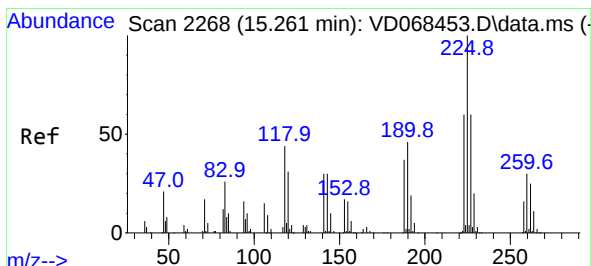
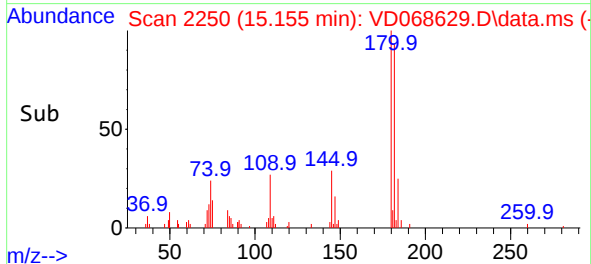
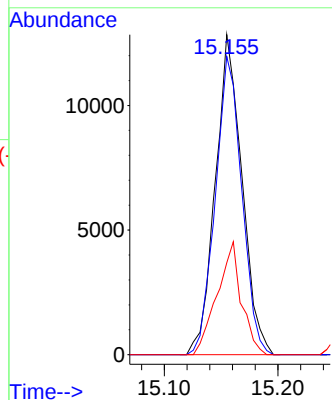
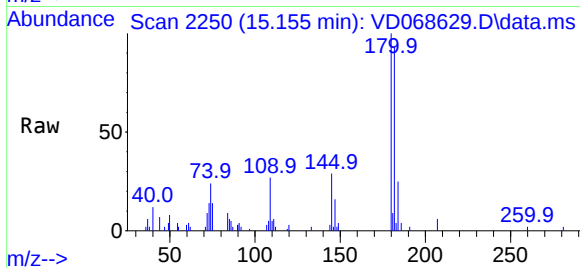
#93
1,2,4-Trichlorobenzene
Concen: 4.77 ug/l
RT: 15.155 min Scan# 2250
Delta R.T. -0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:	180	Resp:	20920
Ion Ratio	Lower	Upper	
180	100		
182	92.4	46.8	140.4
145	32.2	15.2	45.5

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

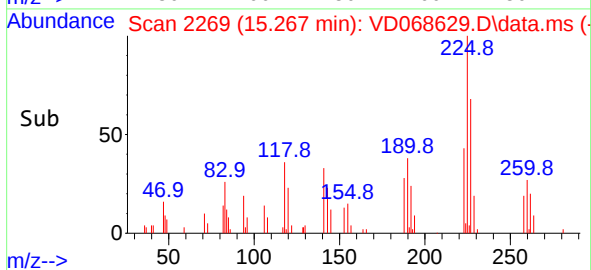
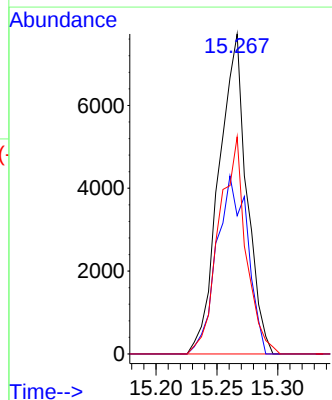
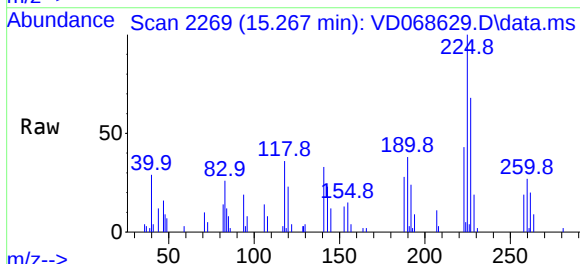
Manual Integrations
APPROVED

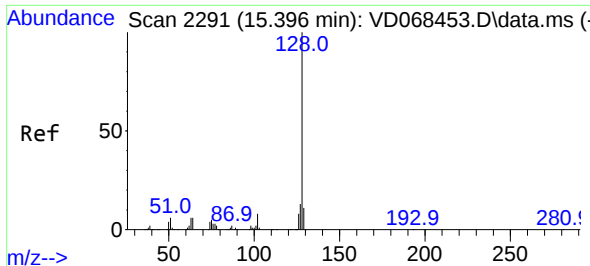
MMDadoda
3/17/2021 11:47:41 AM



#94
Hexachlorobutadiene
Concen: 5.06 ug/l
RT: 15.267 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:	225	Resp:	12312
Ion Ratio	Lower	Upper	
225	100		
223	61.6	31.9	95.5
227	65.9	32.1	96.5





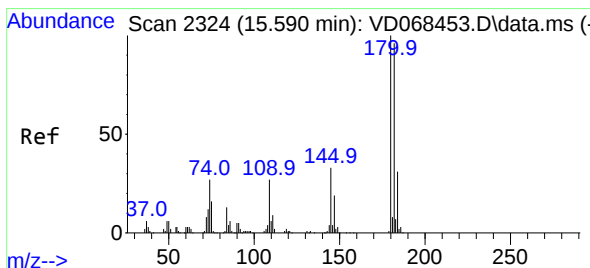
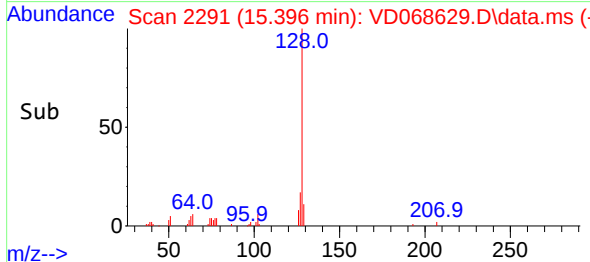
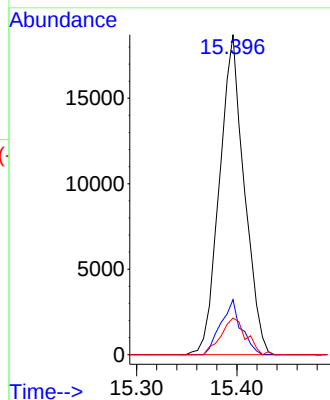
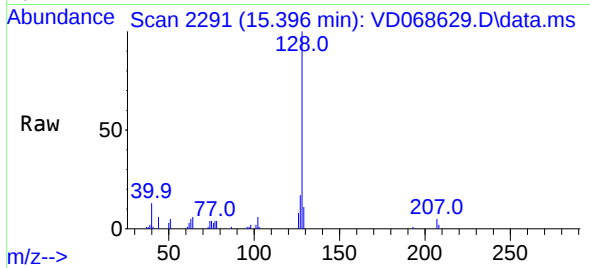
#95
Naphthalene
Concen: 4.04 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:	128	Resp:	32075
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.2	15.2
129	11.7	8.8	13.2

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2021

Manual Integrations
APPROVED

MMDadoda
3/17/2021 11:47:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.93 ug/l
RT: 15.590 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VD068629.D
Acq: 16 Mar 2021 14:01

Tgt Ion:	180	Resp:	18709
Ion Ratio	Lower	Upper	
180	100		
182	86.0	48.3	144.8
145	30.2	16.7	50.1

