

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102821\
 Data File : VW020720.D
 Acq On : 28 Oct 2021 17:56
 Operator : SY/VA
 Sample : M4068-01 LOD2.5PPB
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Manual Integrations
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Quant Time: Oct 29 06:06:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W102821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 06:06:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	98943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	152507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	137071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	73569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	46036	47.334	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.660%
35) Dibromofluoromethane	7.885	113	40664	45.452	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.900%
50) Toluene-d8	10.323	98	151374	45.087	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.180%
62) 4-Bromofluorobenzene	12.615	95	56448	44.566	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.140%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	293	1.206	ug/l #	45
3) Chloromethane	2.215	50	1608	2.718	ug/l	96
4) Vinyl Chloride	2.361	62	1887	2.725	ug/l	100
5) Bromomethane	2.776	94	1323	4.723	ug/l	95
6) Chloroethane	2.916	64	853	4.877	ug/l	92
7) Trichlorofluoromethane	3.257	101	1291	3.963	ug/l	91
8) Diethyl Ether	3.684	74	1069	2.648	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.074	101	2443	3.062	ug/l	98
10) Methyl Iodide	4.275	142	2946	3.278	ug/l #	89
11) Tert butyl alcohol	5.178	59	593m	11.457	ug/l	
12) 1,1-Dichloroethene	4.044	96	2183	2.807	ug/l	93
13) Acrolein	3.897	56	158	6.943	ug/l #	13
14) Allyl chloride	4.678	41	3481	2.911	ug/l	96
15) Acrylonitrile	5.379	53	2413	12.766	ug/l	98
16) Acetone	4.129	43	3179	14.610	ug/l	93
17) Carbon Disulfide	4.391	76	6041	2.806	ug/l #	91
18) Methyl Acetate	4.678	43	1796	2.582	ug/l #	87
19) Methyl tert-butyl Ether	5.428	73	2931	2.750	ug/l	97
20) Methylene Chloride	4.916	84	7153	6.925	ug/l	93
21) trans-1,2-Dichloroethene	5.428	96	2523	2.901	ug/l #	68
22) Diisopropyl ether	6.318	45	6030	2.417	ug/l	92
23) Vinyl Acetate	6.263	43	15319	11.284	ug/l	100
24) 1,1-Dichloroethane	6.214	63	4528	2.831	ug/l	93
25) 2-Butanone	7.183	43	3148	12.032	ug/l	98
26) 2,2-Dichloropropane	7.165	77	2788	3.133	ug/l	96
27) cis-1,2-Dichloroethene	7.177	96	2608	2.741	ug/l	96
28) Bromochloromethane	7.519	49	1985	2.671	ug/l #	98
29) Tetrahydrofuran	7.543	42	1811	11.440	ug/l	97
30) Chloroform	7.677	83	4923	2.949	ug/l	98
31) Cyclohexane	7.958	56	6119	3.754	ug/l #	62
32) 1,1,1-Trichloroethane	7.872	97	3802	2.974	ug/l	97
36) 1,1-Dichloropropene	8.092	75	3630	2.668	ug/l	99
37) Ethyl Acetate	7.269	43	1478	2.546	ug/l #	70
38) Carbon Tetrachloride	8.074	117	3673	2.932	ug/l	89
39) Methylcyclohexane	9.336	83	4386	2.668	ug/l	94
40) Benzene	8.323	78	12682	3.248	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.494	41	748	2.190	ug/l #	85
42) 1,2-Dichloroethane	8.403	62	3217	2.681	ug/l	93
43) Isopropyl Acetate	8.427	43	2558	2.300	ug/l	98
44) Trichloroethene	9.098	130	2960	2.885	ug/l	91
45) 1,2-Dichloropropane	9.372	63	2329	2.529	ug/l	97
46) Dibromomethane	9.464	93	1254	2.506	ug/l	99
47) Bromodichloromethane	9.646	83	3276	2.579	ug/l #	97
48) Methyl methacrylate	9.439	41	1278	2.347	ug/l	88
49) 1,4-Dioxane	9.451	88	337	50.794	ug/l #	80
51) 4-Methyl-2-Pentanone	10.213	43	6415	11.027	ug/l	97
52) Toluene	10.390	92	6830	2.862	ug/l	98
53) t-1,3-Dichloropropene	10.604	75	2895	2.262	ug/l	97
54) cis-1,3-Dichloropropene	10.073	75	3558	2.417	ug/l	95
55) 1,1,2-Trichloroethane	10.786	97	1791	2.566	ug/l	94
56) Ethyl methacrylate	10.646	69	1888	2.165	ug/l	97
57) 1,3-Dichloropropane	10.939	76	3209	2.635	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	4646	11.237	ug/l	97
59) 2-Hexanone	10.969	43	4307	10.468	ug/l	95
60) Dibromochloromethane	11.128	129	2164	2.594	ug/l	93
61) 1,2-Dibromoethane	11.232	107	1707	2.555	ug/l	93
64) Tetrachloroethene	10.866	164	2578	2.953	ug/l	88
65) Chlorobenzene	11.658	112	7159	2.880	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.731	131	2414	2.665	ug/l	98
67) Ethyl Benzene	11.731	91	11775	2.615	ug/l	98
68) m/p-Xylenes	11.841	106	9018	5.170	ug/l	99
69) o-Xylene	12.164	106	4141	2.579	ug/l	94
70) Styrene	12.183	104	6568	2.387	ug/l	98
71) Bromoform	12.353	173	1227	2.478	ug/l #	95
73) Isopropylbenzene	12.463	105	10837	2.440	ug/l	98
74) N-amyl acetate	12.274	43	2145	2.108	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.713	83	2052	2.619	ug/l	94
76) 1,2,3-Trichloropropane	12.768	75	1454m	2.305	ug/l	
77) Bromobenzene	12.743	156	3081	2.866	ug/l	95
78) n-propylbenzene	12.804	91	14775	2.699	ug/l	100
79) 2-Chlorotoluene	12.890	91	8673	2.751	ug/l	98
80) 1,3,5-Trimethylbenzene	12.945	105	9873	2.555	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.512	75	583m	2.309	ug/l	
82) 4-Chlorotoluene	12.987	91	8791	2.627	ug/l	99
83) tert-Butylbenzene	13.207	119	8511	2.590	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	9466	2.459	ug/l	98
85) sec-Butylbenzene	13.384	105	12574	2.544	ug/l	98
86) p-Isopropyltoluene	13.499	119	10652	2.538	ug/l	98
87) 1,3-Dichlorobenzene	13.499	146	6508	2.954	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	6398	2.911	ug/l	83
89) n-Butylbenzene	13.823	91	10114	2.564	ug/l	97
90) Hexachloroethane	14.091	117	2085	2.729	ug/l	99
91) 1,2-Dichlorobenzene	13.871	146	5623	2.915	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.487	75	381	2.728	ug/l	81
93) 1,2,4-Trichlorobenzene	15.133	180	3700	2.796	ug/l	98
94) Hexachlorobutadiene	15.237	225	2690	3.146	ug/l	99
95) Naphthalene	15.365	128	5387	2.448	ug/l	97
96) 1,2,3-Trichlorobenzene	15.548	180	3275	2.756	ug/l	97

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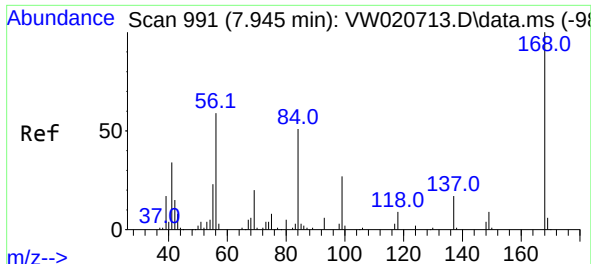
Manual Integrations
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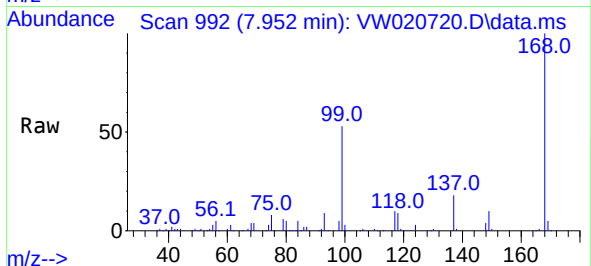
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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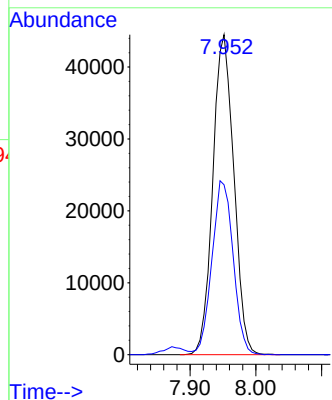
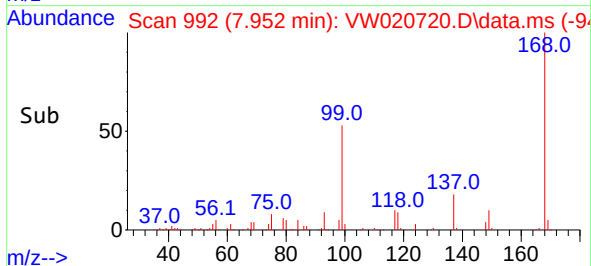
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.952 min Scan# 992
Delta R.T. 0.007 min
Lab File: VW020720.D
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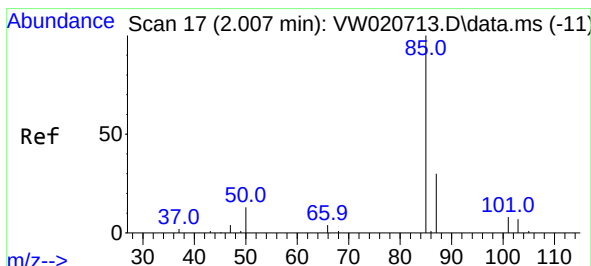
Tgt Ion: 168 Resp: 98943
Ion Ratio Lower Upper
168 100
99 53.1 46.2 69.4



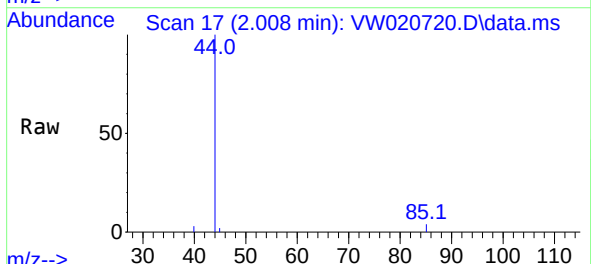
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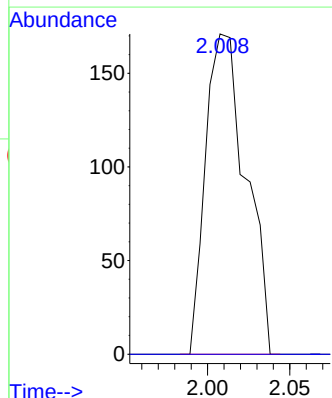
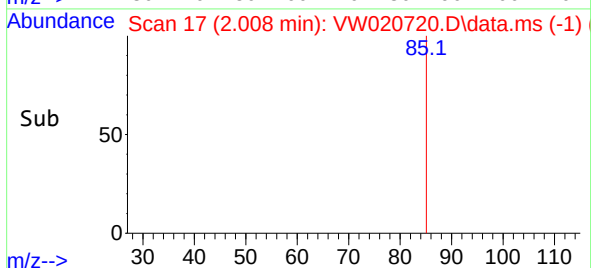
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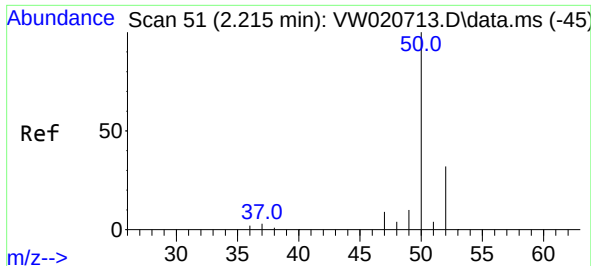


#2
Dichlorodifluoromethane
Concen: 1.206 ug/l
RT: 2.008 min Scan# 17
Delta R.T. 0.001 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

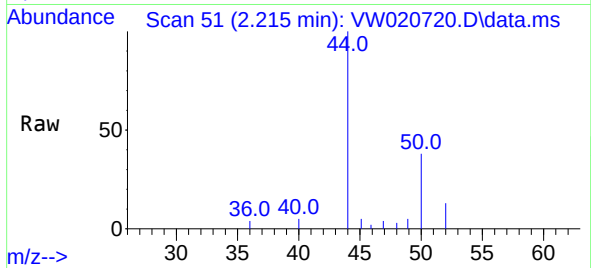


Tgt Ion: 85 Resp: 293
Ion Ratio Lower Upper
85 100
87 0.0 15.0 45.1#

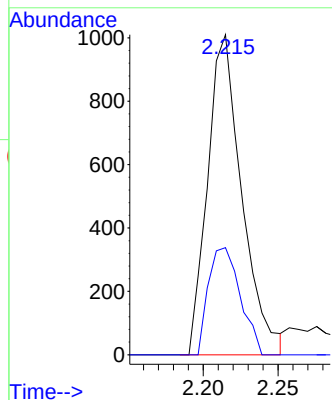




#3
Chloromethane
Concen: 2.718 ug/l
RT: 2.215 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



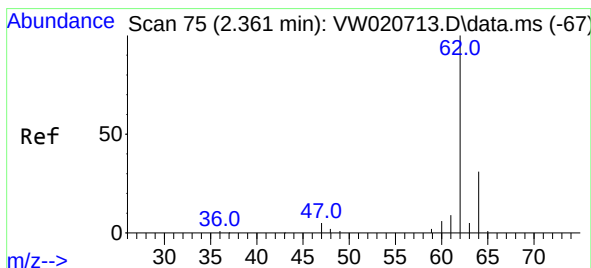
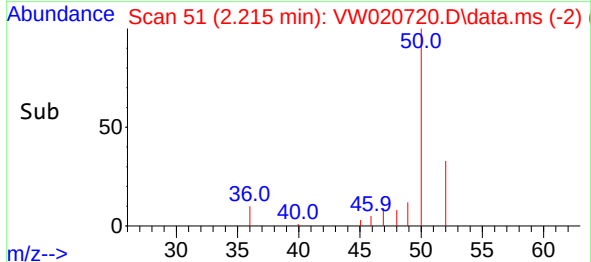
Tgt Ion: 50 Resp: 1608
Ion Ratio Lower Upper
50 100
52 33.5 25.2 37.8



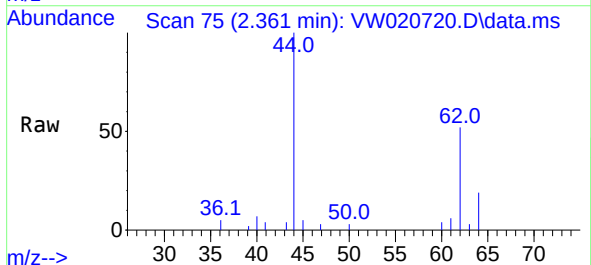
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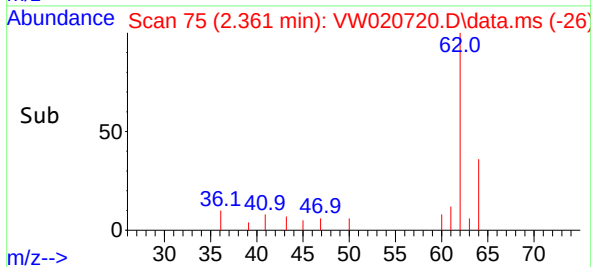
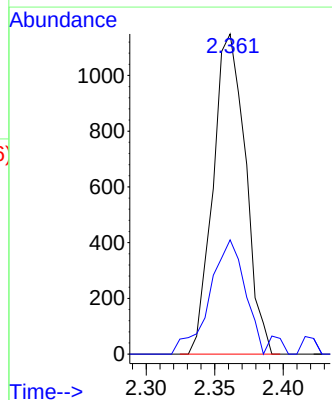
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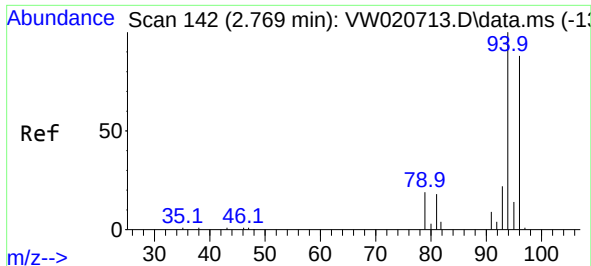


#4
Vinyl Chloride
Concen: 2.725 ug/l
RT: 2.361 min Scan# 75
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



Tgt Ion: 62 Resp: 1887
Ion Ratio Lower Upper
62 100
64 31.0 25.0 37.4





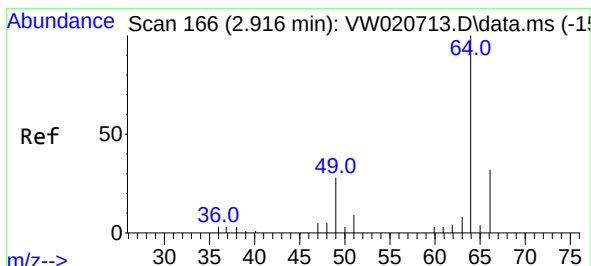
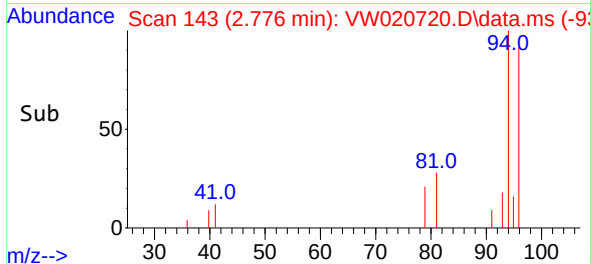
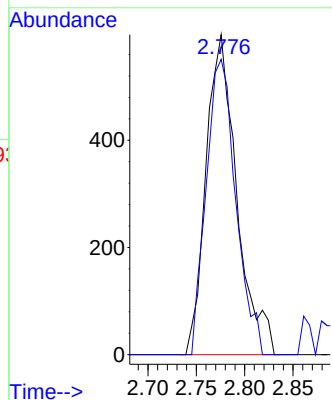
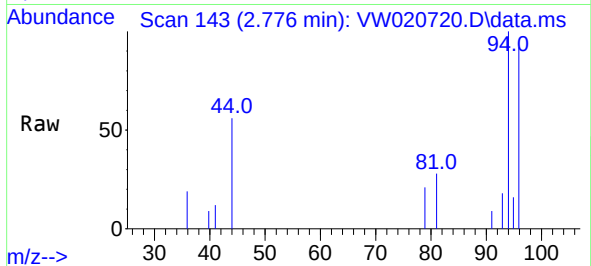
#5
Bromomethane
Concen: 4.723 ug/l
RT: 2.776 min Scan# 143
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 94 Resp: 1323
Ion Ratio Lower Upper
94 100
96 92.3 70.1 105.1

Instrument :
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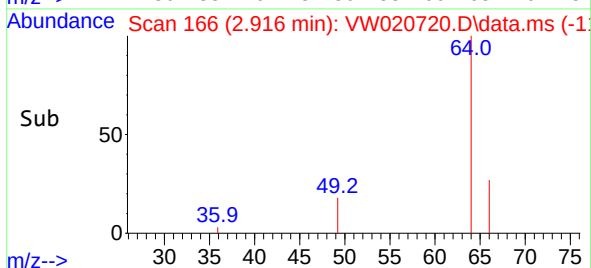
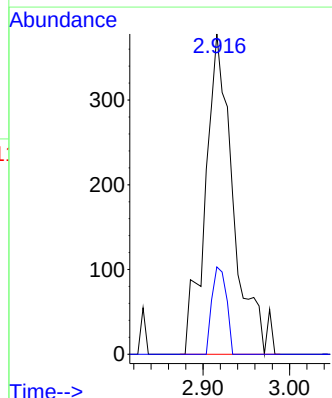
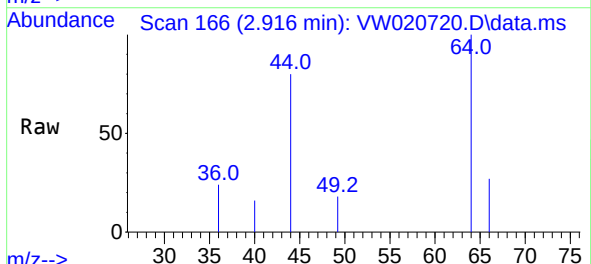
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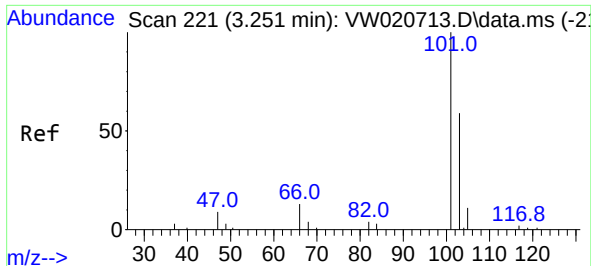
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#6
Chloroethane
Concen: 4.877 ug/l
RT: 2.916 min Scan# 166
Delta R.T. -0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 64 Resp: 853
Ion Ratio Lower Upper
64 100
66 27.2 25.5 38.3





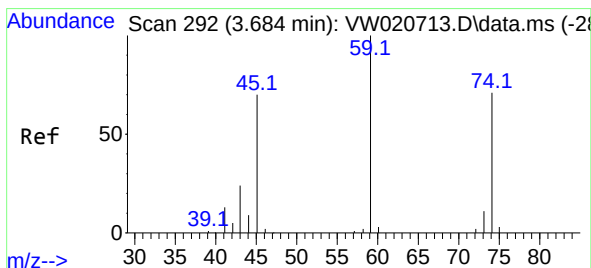
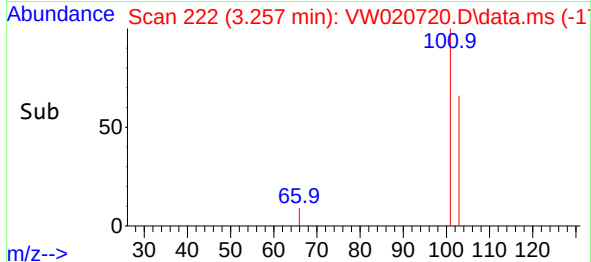
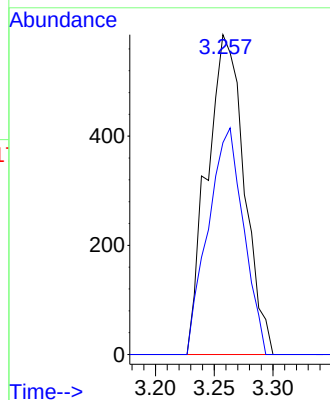
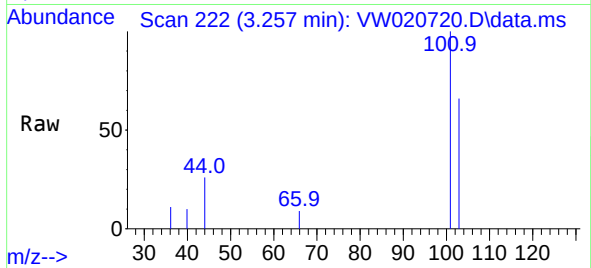
#7
Trichlorofluoromethane
Concen: 3.963 ug/l
RT: 3.257 min Scan# 222
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 101 Resp: 1291
Ion Ratio Lower Upper
101 100
103 66.2 47.4 71.0

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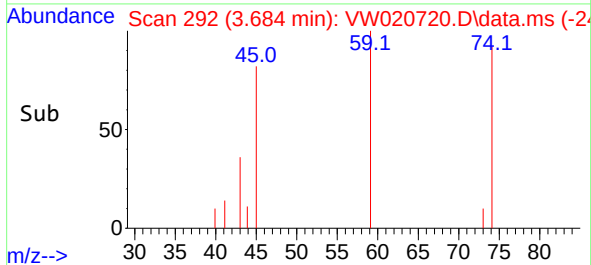
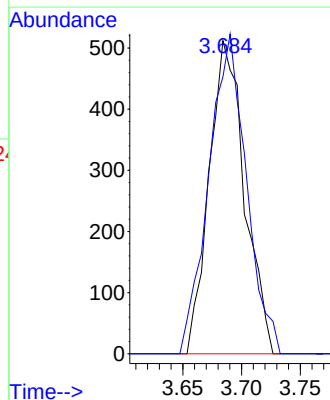
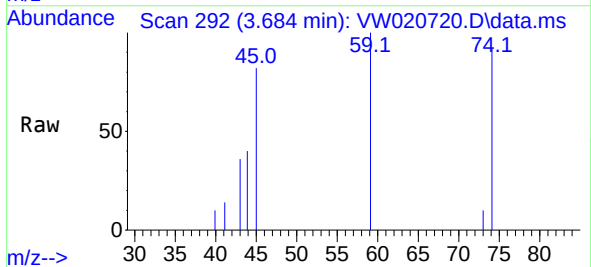
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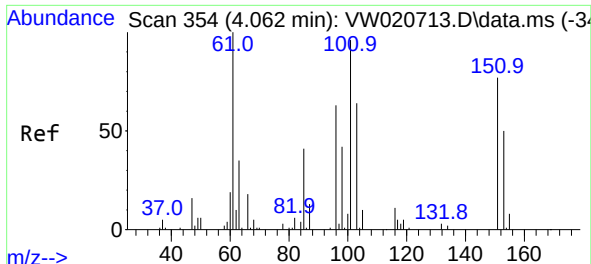
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#8
Diethyl Ether
Concen: 2.648 ug/l
RT: 3.684 min Scan# 292
Delta R.T. 0.000 min
Lab File: VW020720.D
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Tgt Ion: 74 Resp: 1069
Ion Ratio Lower Upper
74 100
45 108.8 50.4 151.2





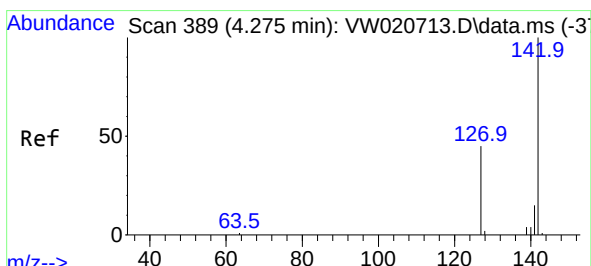
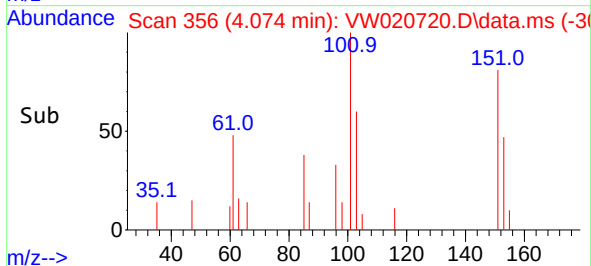
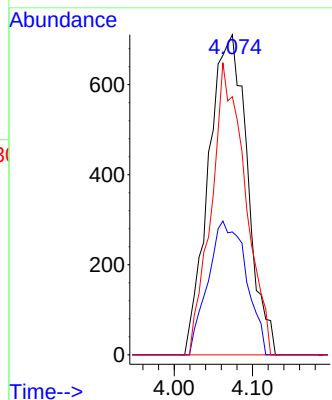
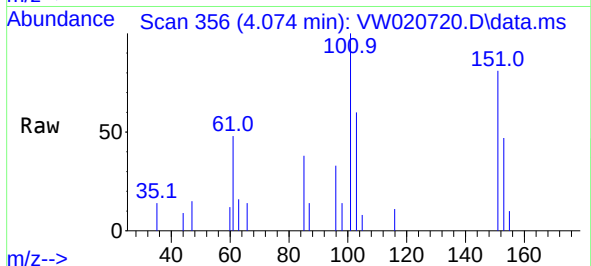
#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.062 ug/l
RT: 4.074 min Scan# 356
Delta R.T. 0.012 min
Lab File: VW020720.D
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Tgt Ion:	101	Resp:	2443
Ion	Ratio	Lower	Upper
101	100		
85	41.0	35.3	52.9
151	79.7	63.8	95.6

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

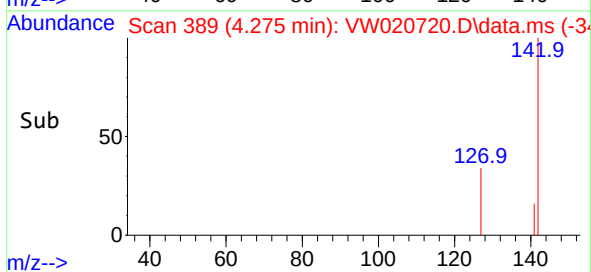
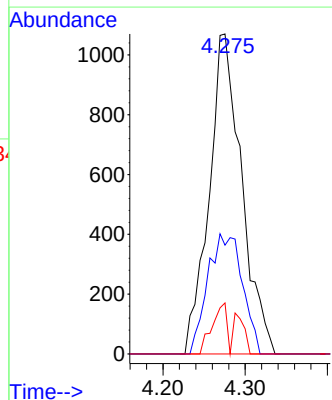
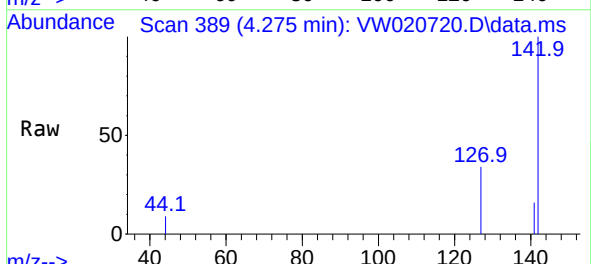
Manual Integrations
APPROVED

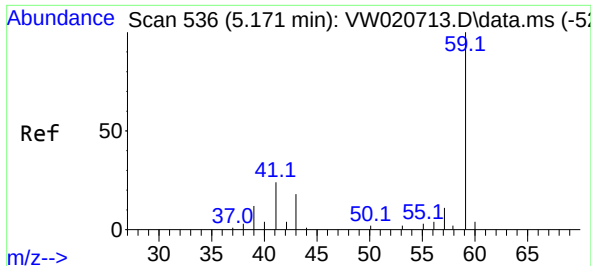
MMDadoda
10/29/2021 4:39:15 PM



#10
Methyl Iodide
Concen: 3.278 ug/l
RT: 4.275 min Scan# 389
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion:	142	Resp:	2946
Ion	Ratio	Lower	Upper
142	100		
127	39.9	36.3	54.5
141	7.1	12.1	18.1#





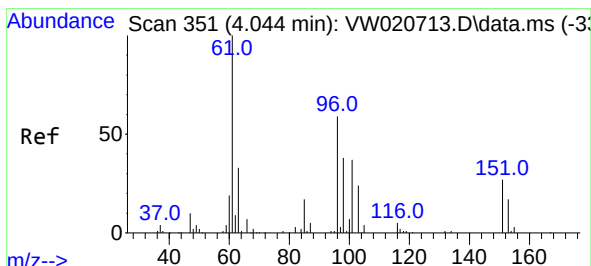
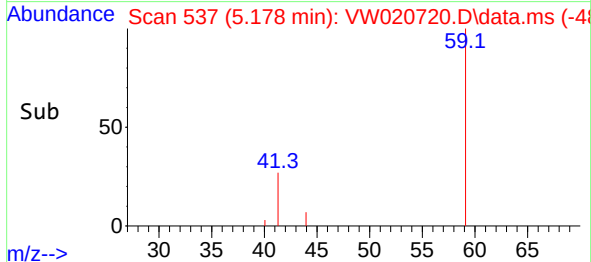
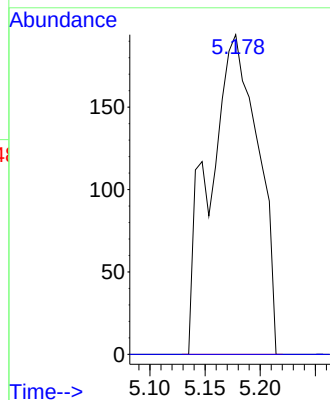
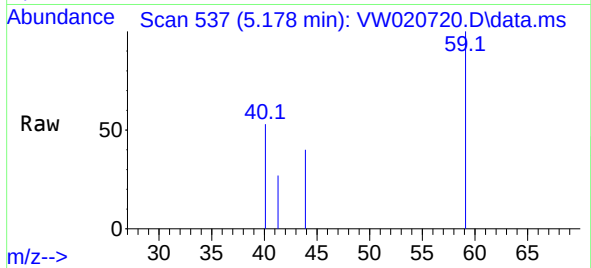
#11
Tert butyl alcohol
Concen: 11.457 ug/l m
RT: 5.178 min Scan# 537
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 59 Resp: 593
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

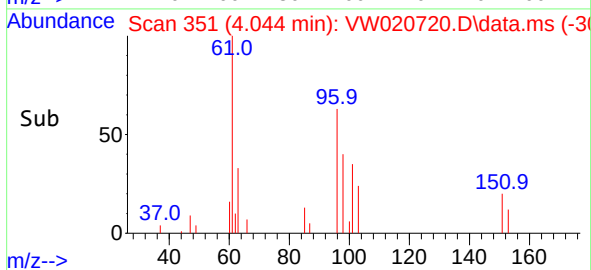
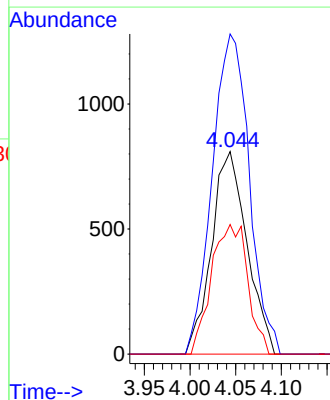
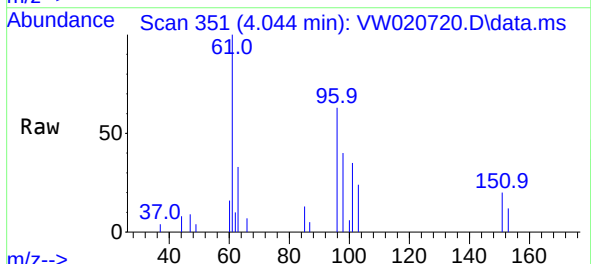
Manual Integrations
APPROVED

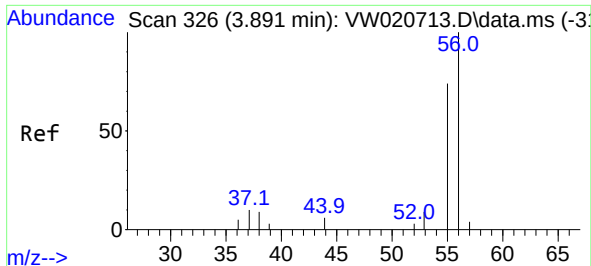
MMDadoda
10/29/2021 4:39:15 PM



#12
1,1-Dichloroethene
Concen: 2.807 ug/l
RT: 4.044 min Scan# 351
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 96 Resp: 2183
Ion Ratio Lower Upper
96 100
61 158.0 136.6 205.0
98 64.0 52.2 78.4





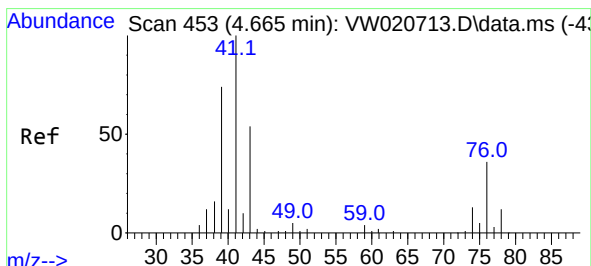
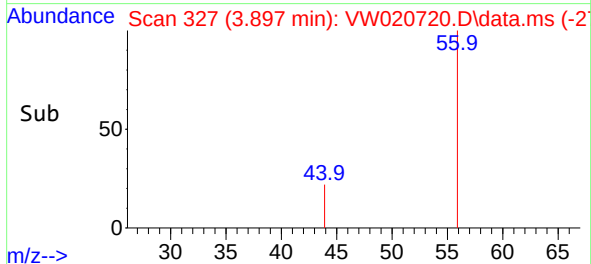
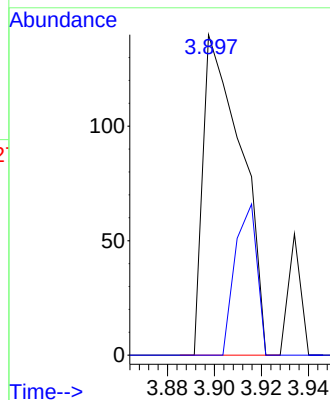
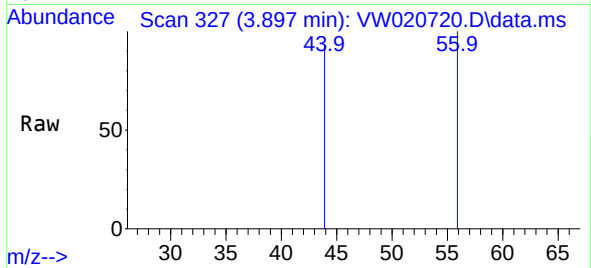
#13
Acrolein
Concen: 6.943 ug/l
RT: 3.897 min Scan# 327
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.4#

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

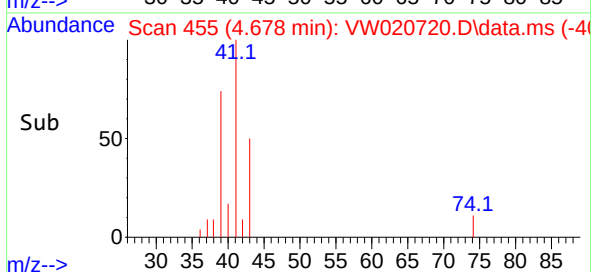
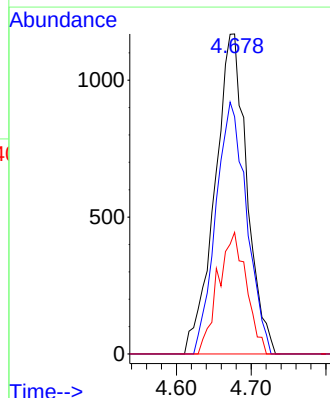
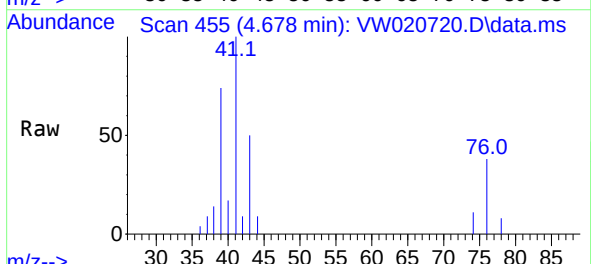
Manual Integrations
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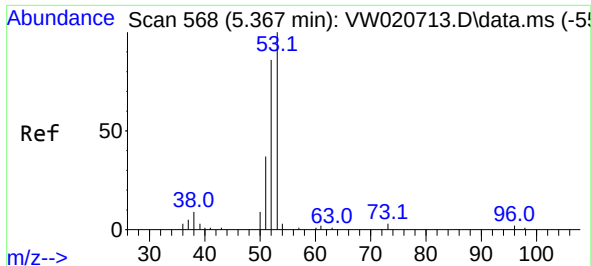
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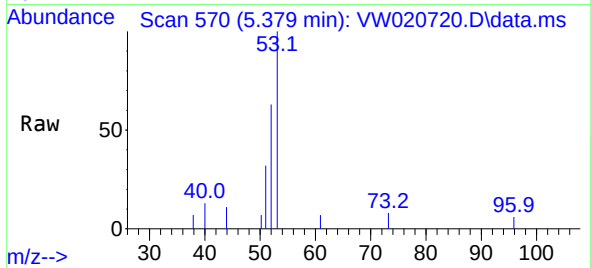
#14
Allyl chloride
Concen: 2.911 ug/l
RT: 4.678 min Scan# 455
Delta R.T. 0.012 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 41 Resp: 3481
Ion Ratio Lower Upper
41 100
39 75.9 57.1 85.7
76 33.7 27.9 41.9

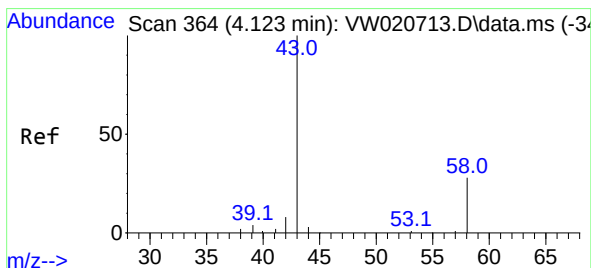
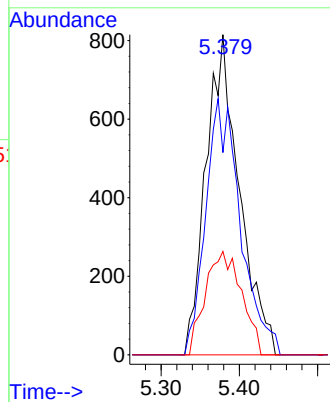
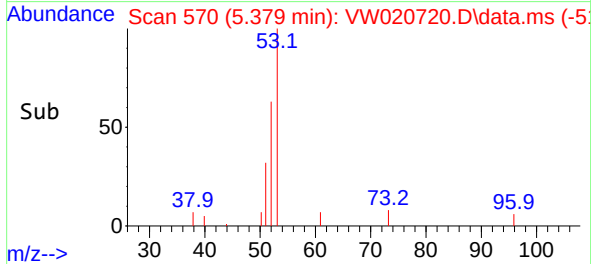




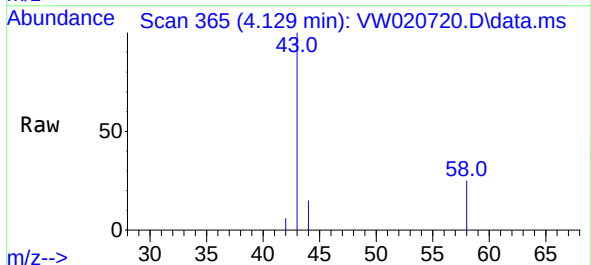
#15
Acrylonitrile
Concen: 12.766 ug/l
RT: 5.379 min Scan# 570
Delta R.T. 0.012 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



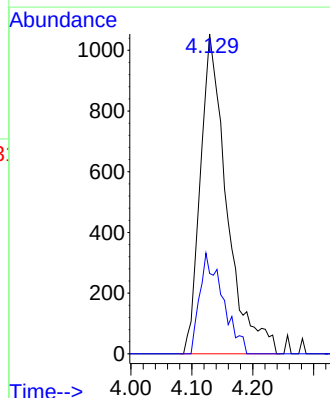
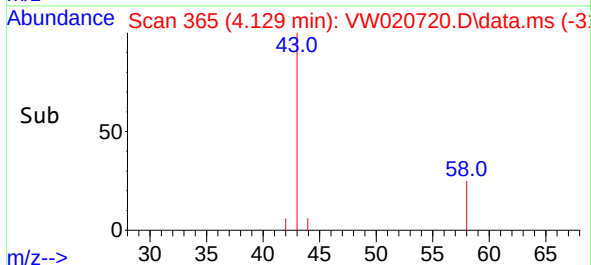
Tgt Ion:	53	Resp:	2413
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.7	101.5
51	35.0	29.8	44.8



#16
Acetone
Concen: 14.610 ug/l
RT: 4.129 min Scan# 365
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



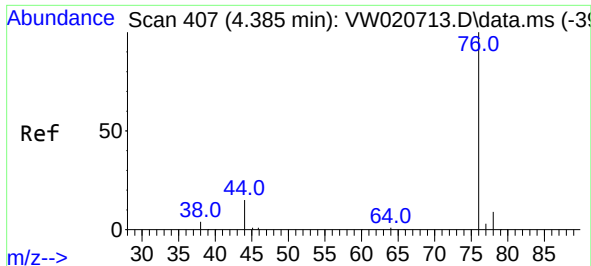
Tgt Ion:	43	Resp:	3179
Ion	Ratio	Lower	Upper
43	100		
58	25.1	23.2	34.8



Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

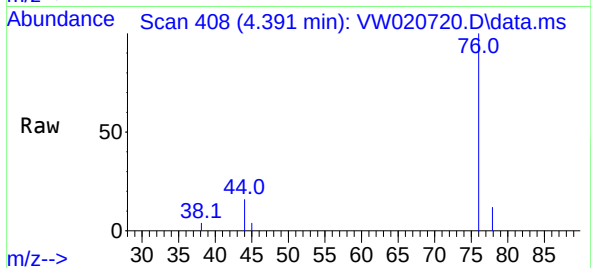
Manual Integrations
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#17
Carbon Disulfide
Concen: 2.806 ug/l
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

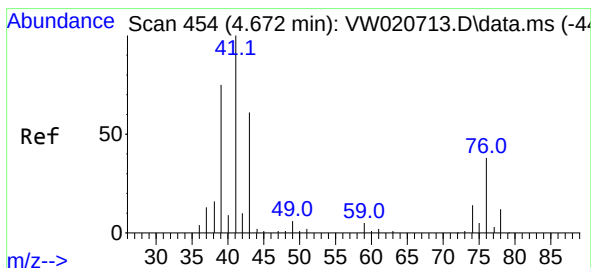
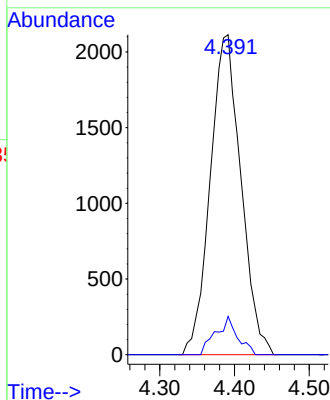
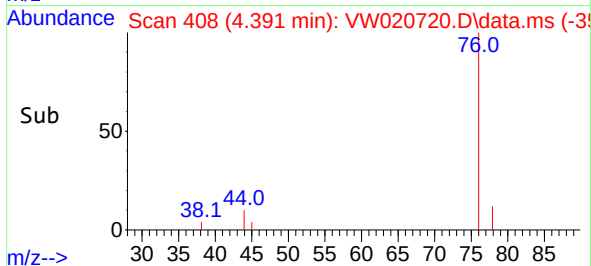
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



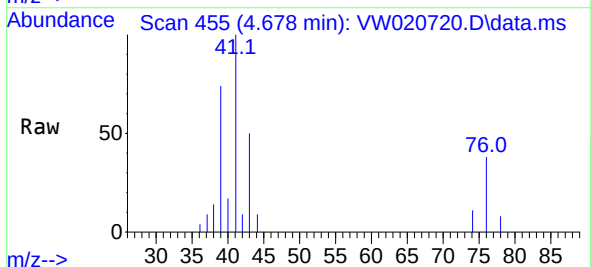
Tgt Ion: 76 Resp: 6041
Ion Ratio Lower Upper
76 100
78 12.0 7.0 10.6#

Manual Integrations
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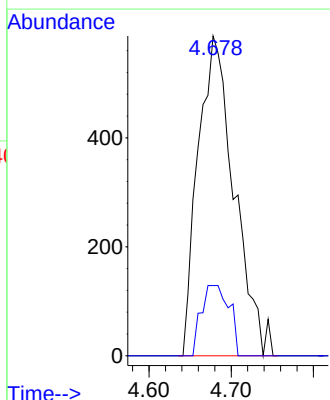
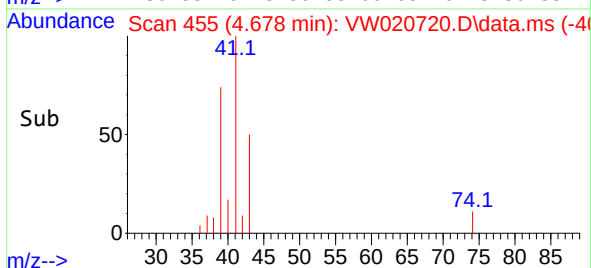
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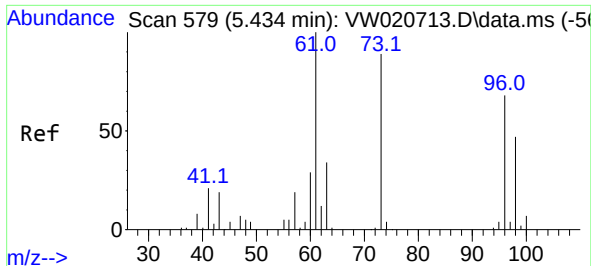


#18
Methyl Acetate
Concen: 2.582 ug/l
RT: 4.678 min Scan# 455
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

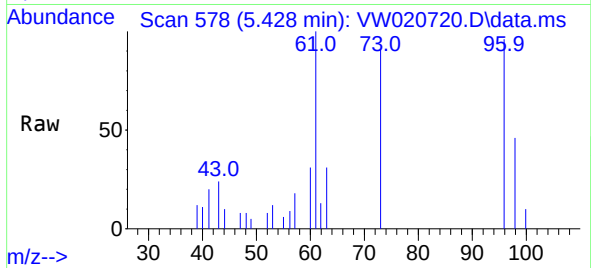


Tgt Ion: 43 Resp: 1796
Ion Ratio Lower Upper
43 100
74 16.9 18.8 28.2#

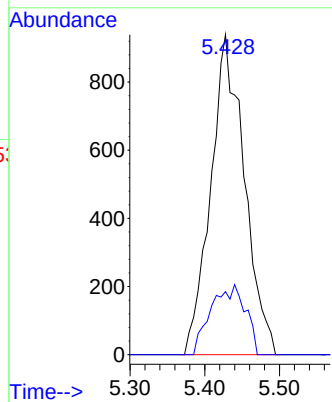
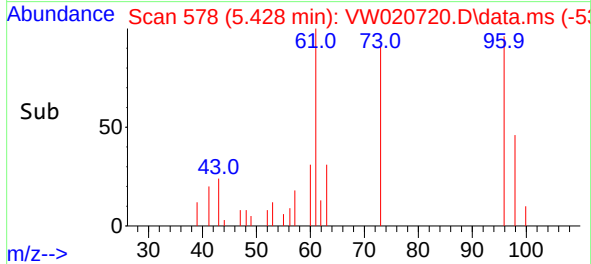




#19
Methyl tert-butyl Ether
Concen: 2.750 ug/l
RT: 5.428 min Scan# 578
Delta R.T. -0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



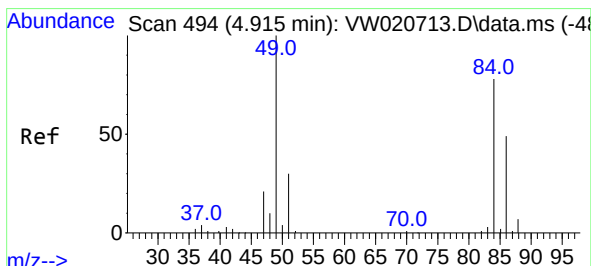
Tgt Ion: 73 Resp: 2931
Ion Ratio Lower Upper
73 100
57 19.7 16.8 25.2



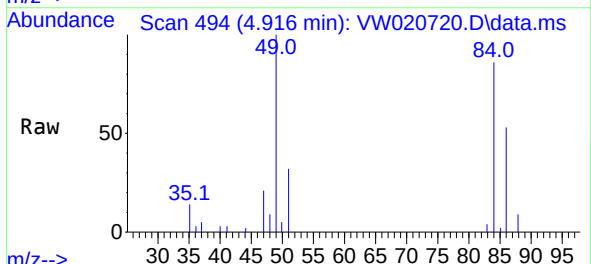
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

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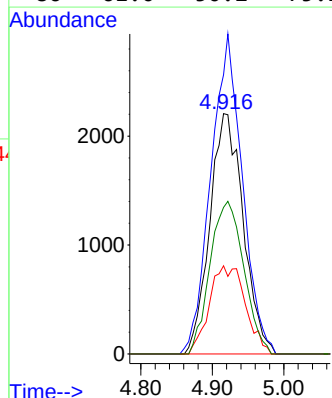
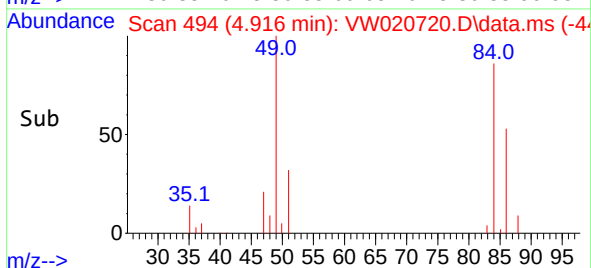
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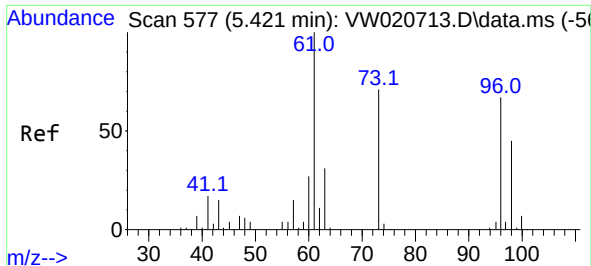


#20
Methylene Chloride
Concen: 6.925 ug/l
RT: 4.916 min Scan# 494
Delta R.T. 0.001 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



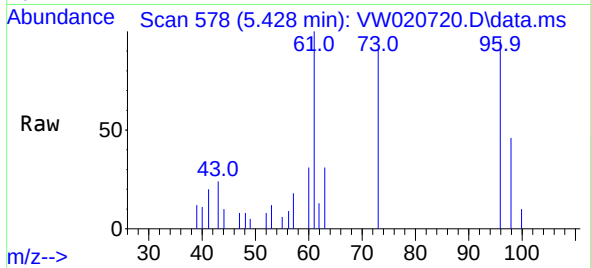
Tgt Ion: 84 Resp: 7153
Ion Ratio Lower Upper
84 100
49 116.2 102.0 153.0
51 36.7 30.6 45.8
86 61.0 50.2 75.2





#21
trans-1,2-Dichloroethene
Concen: 2.901 ug/l
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

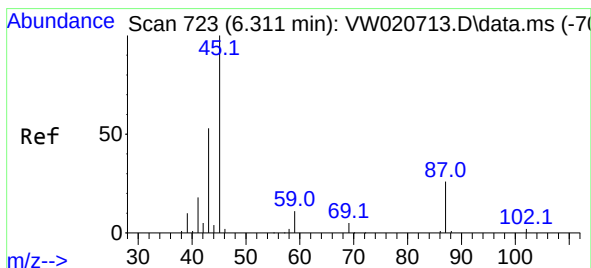
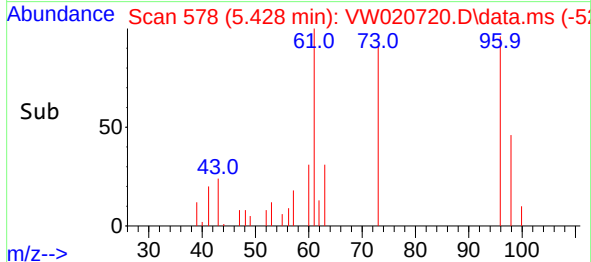
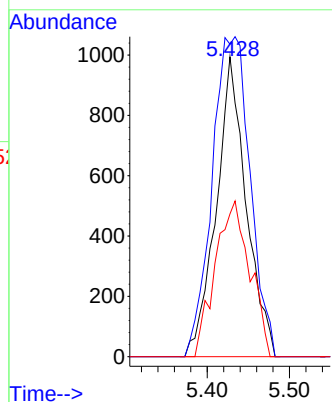
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



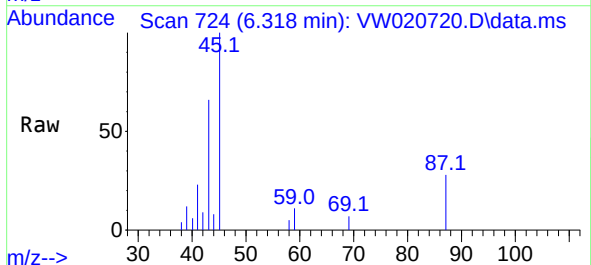
Tgt Ion: 96 Resp: 2523
Ion Ratio Lower Upper
96 100
61 104.2 119.0 178.6#
98 47.6 53.7 80.5#

Manual Integrations
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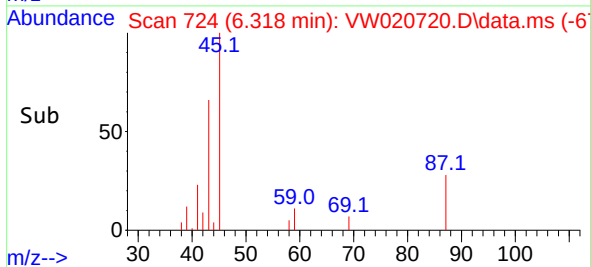
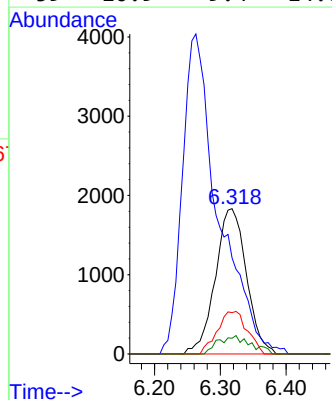
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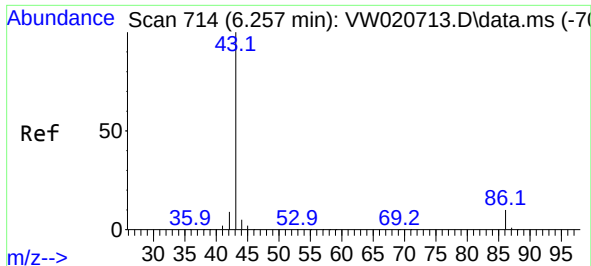


#22
Diisopropyl ether
Concen: 2.417 ug/l
RT: 6.318 min Scan# 724
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



Tgt Ion: 45 Resp: 6030
Ion Ratio Lower Upper
45 100
43 62.6 43.8 65.6
87 28.4 21.6 32.4
59 10.9 9.4 14.0





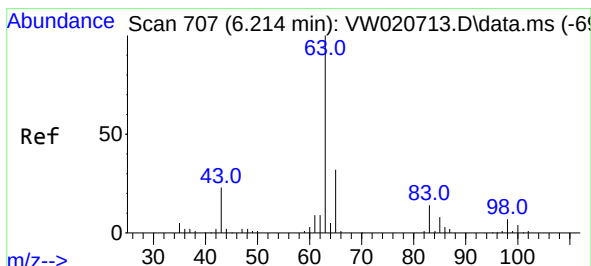
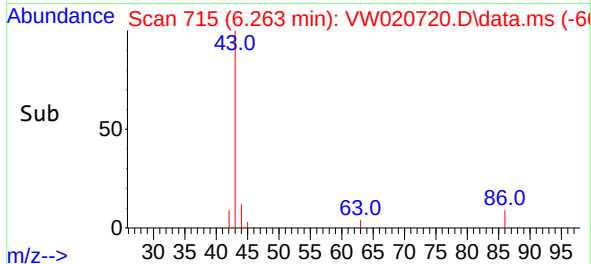
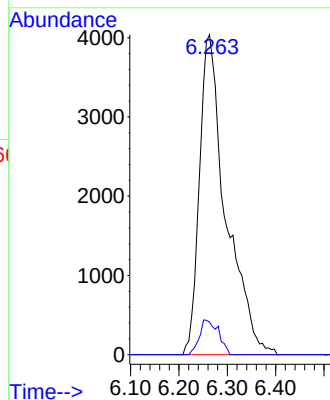
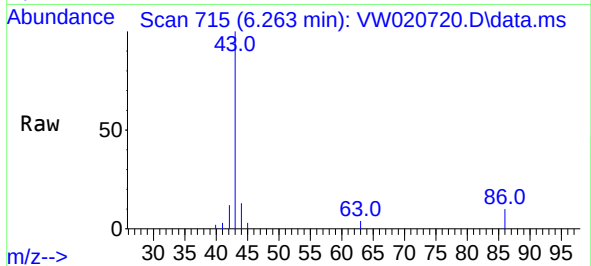
#23
 Vinyl Acetate
 Concen: 11.284 ug/l
 RT: 6.263 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW020720.D
 Acq: 28 Oct 2021 17:56

Tgt Ion: 43 Resp: 15319
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.1 12.1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

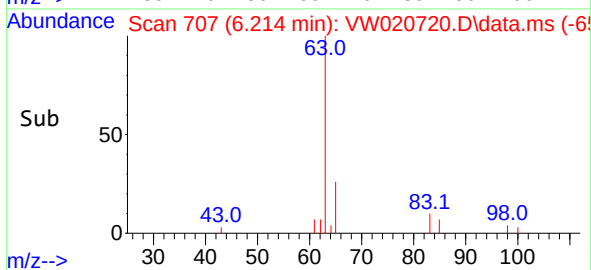
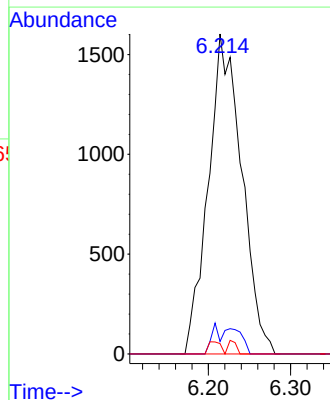
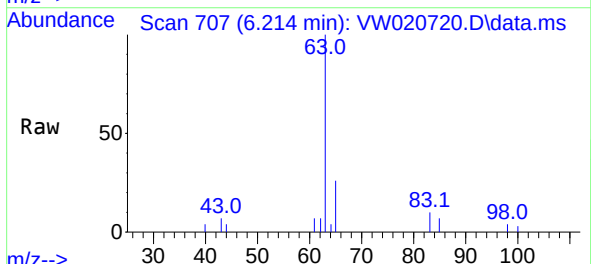
Manual Integrations
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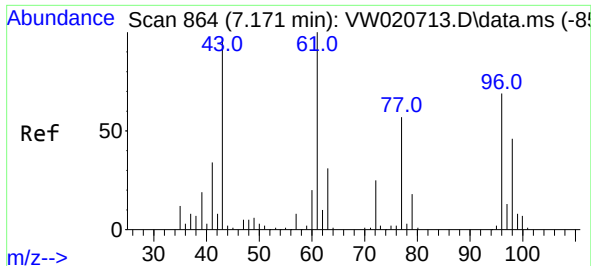
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#24
 1,1-Dichloroethane
 Concen: 2.831 ug/l
 RT: 6.214 min Scan# 707
 Delta R.T. 0.000 min
 Lab File: VW020720.D
 Acq: 28 Oct 2021 17:56

Tgt Ion: 63 Resp: 4528
 Ion Ratio Lower Upper
 63 100
 98 3.9 3.5 10.6
 100 3.2 2.1 6.5





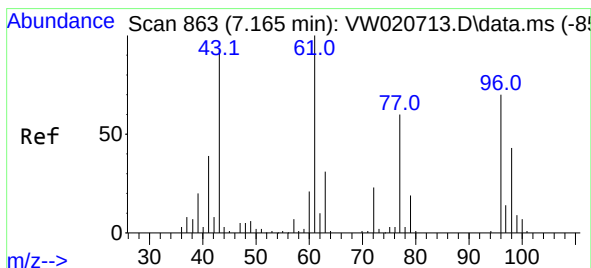
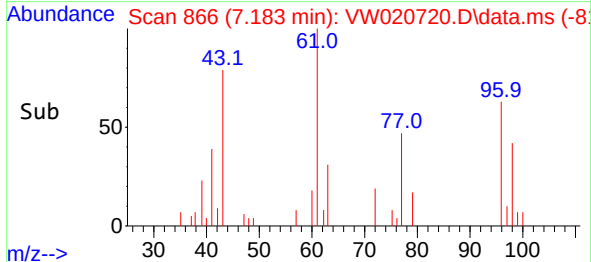
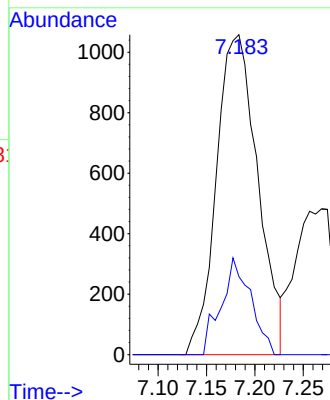
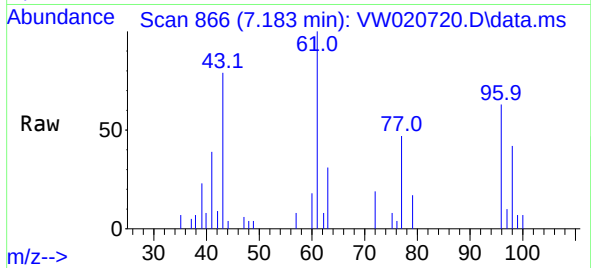
#25
2-Butanone
Concen: 12.032 ug/l
RT: 7.183 min Scan# 866
Delta R.T. 0.012 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 43 Resp: 3148
Ion Ratio Lower Upper
43 100
72 24.4 20.4 30.6

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

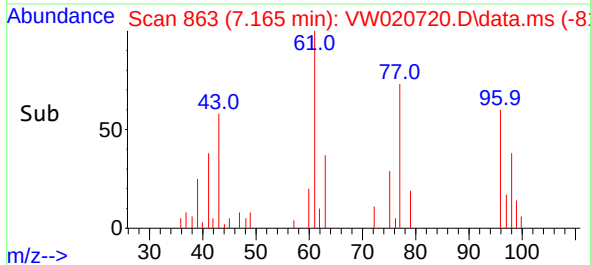
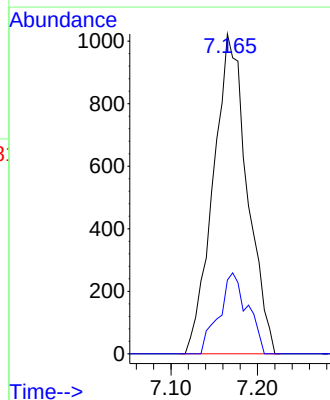
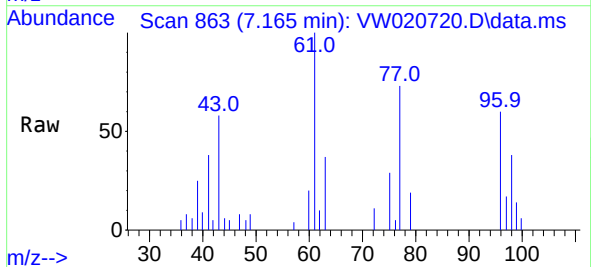
Manual Integrations
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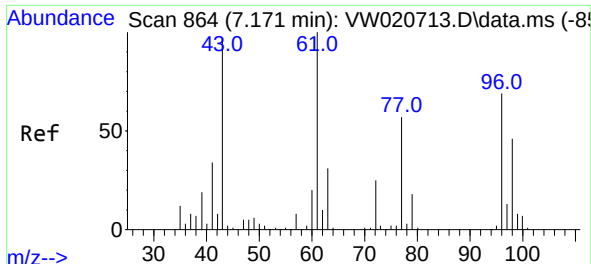
MMDadoda
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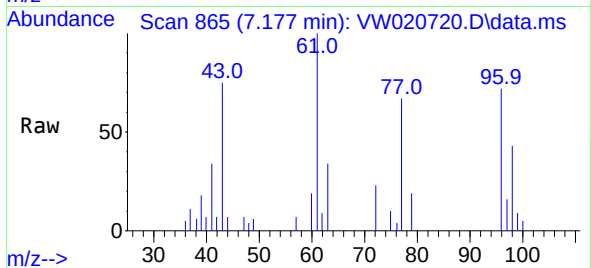
#26
2,2-Dichloropropane
Concen: 3.133 ug/l
RT: 7.165 min Scan# 863
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 77 Resp: 2788
Ion Ratio Lower Upper
77 100
97 21.1 11.7 35.0



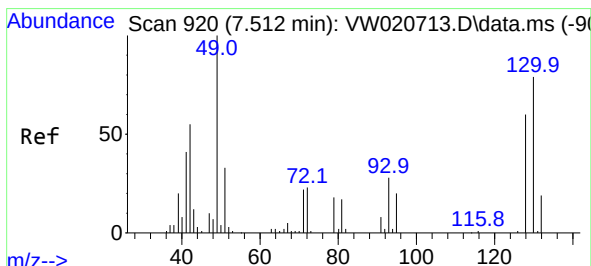
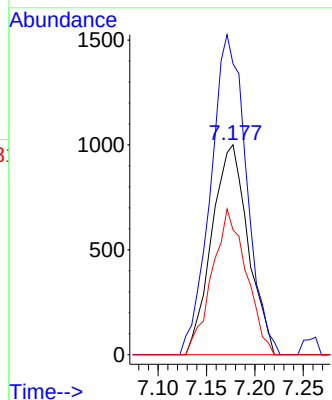
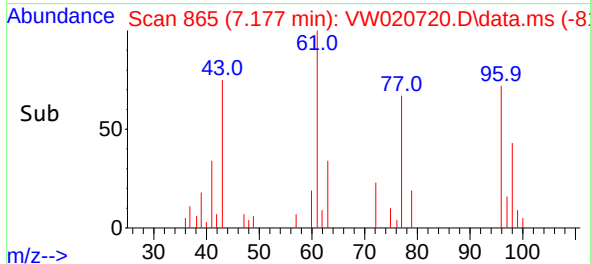


#27
cis-1,2-Dichloroethene
Concen: 2.741 ug/l
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

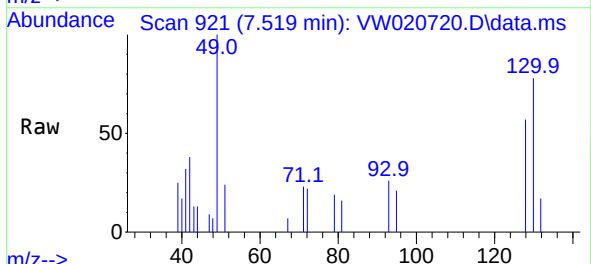


Tgt Ion: 96 Resp: 2608

Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	288.8
98	65.4	0.0	129.2

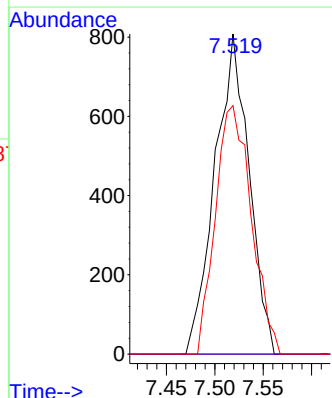
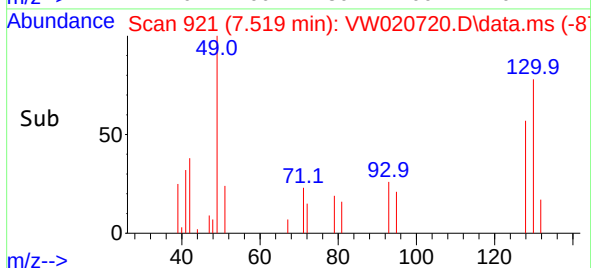


#28
Bromochloromethane
Concen: 2.671 ug/l
RT: 7.519 min Scan# 921
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



Tgt Ion: 49 Resp: 1985

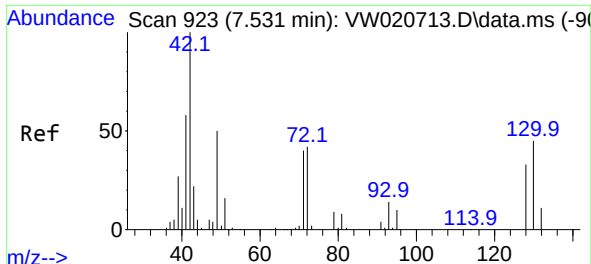
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	81.5	63.7	95.5



Instrument :
MSVOA_W
ClientSampleId :
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#29
Tetrahydrofuran
Concen: 11.440 ug/l
RT: 7.543 min Scan# 925
Delta R.T. 0.012 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

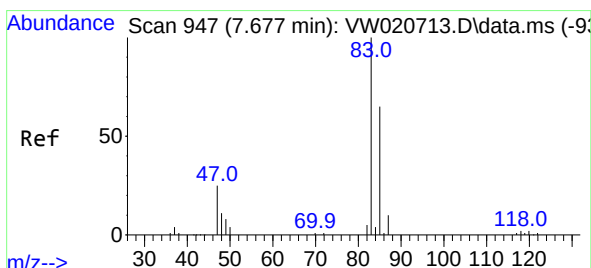
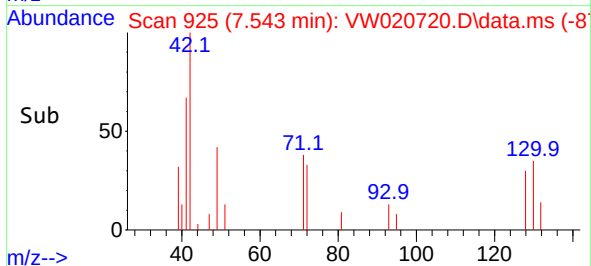
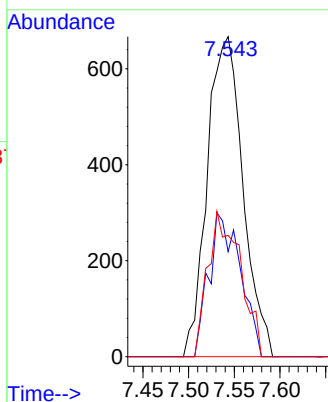
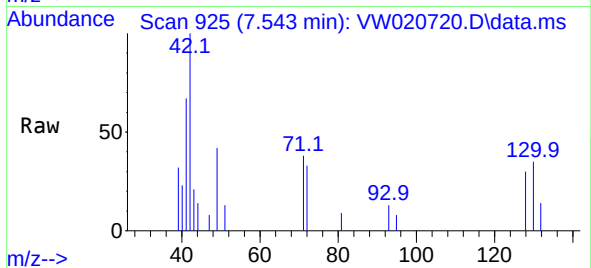
Tgt Ion: 42 Resp: 1811

Ion	Ratio	Lower	Upper
42	100		
72	39.6	33.0	49.6
71	41.2	31.5	47.3

Instrument :
MSVOA_W
ClientSampleId :
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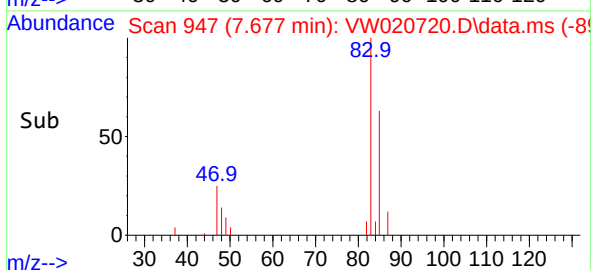
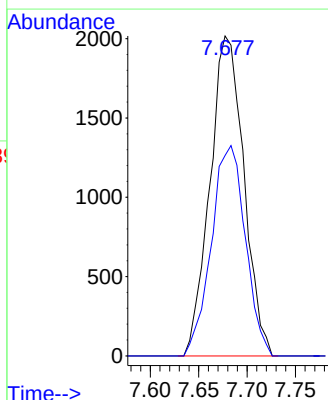
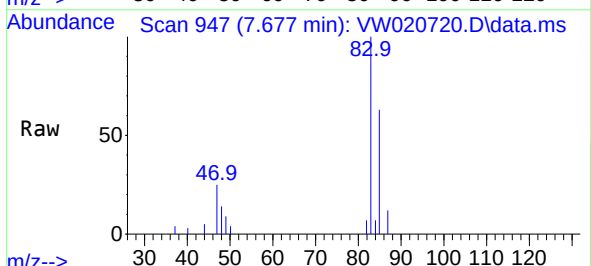
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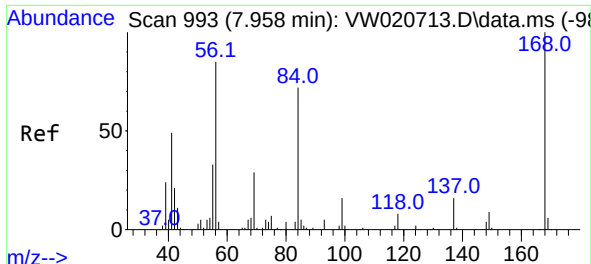


#30
Chloroform
Concen: 2.949 ug/l
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 83 Resp: 4923

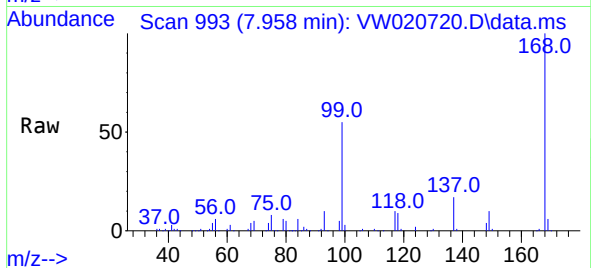
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.6	77.4





#31
Cyclohexane
Concen: 3.754 ug/l
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

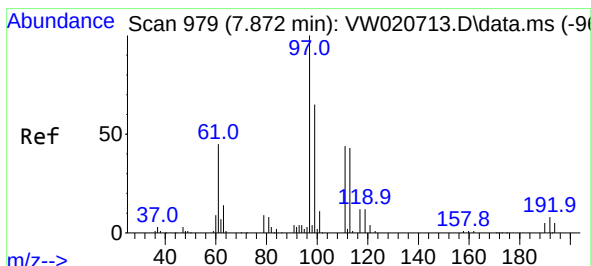
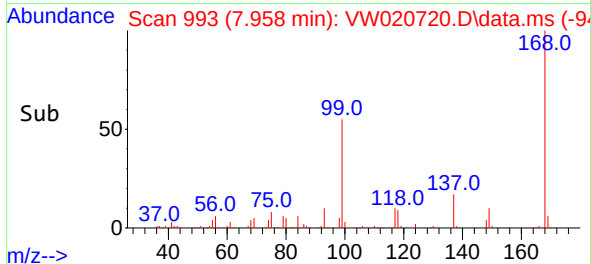
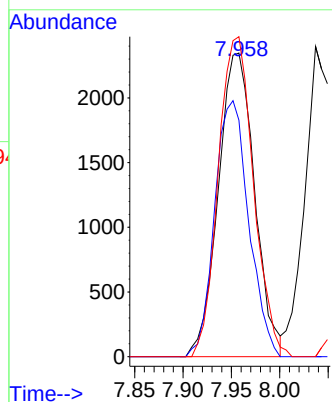
Instrument :
MSVOA_W
ClientSampleId :
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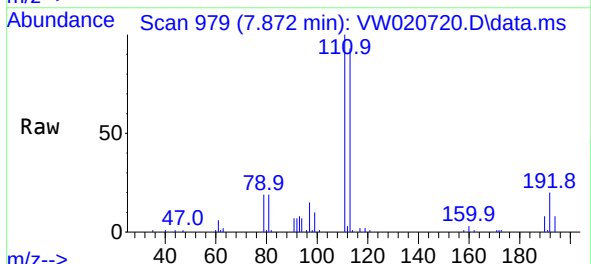
Tgt Ion: 56 Resp: 6119
Ion Ratio Lower Upper
56 100
69 77.9 26.9 40.3#
84 105.4 68.1 102.1#

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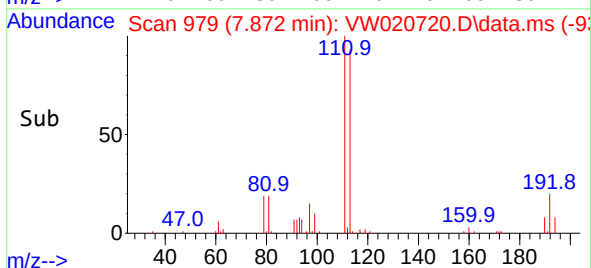
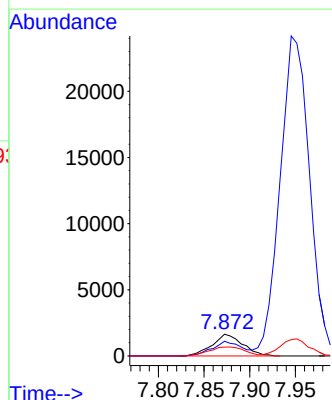
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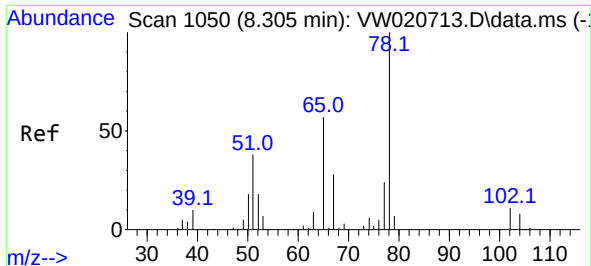


#32
1,1,1-Trichloroethane
Concen: 2.974 ug/l
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



Tgt Ion: 97 Resp: 3802
Ion Ratio Lower Upper
97 100
99 66.3 51.9 77.9
61 48.4 36.5 54.7





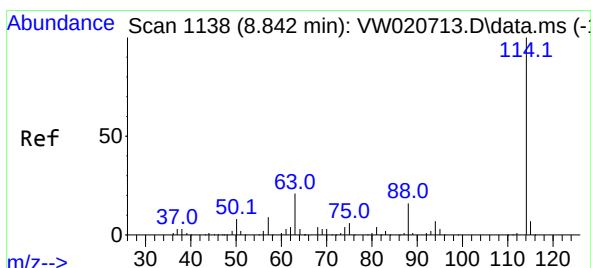
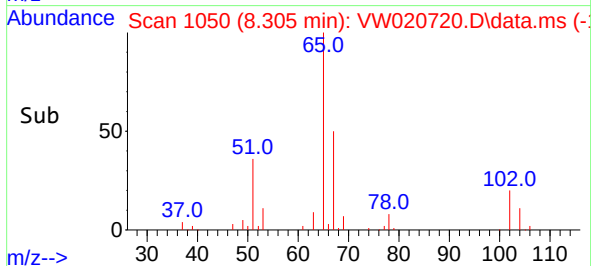
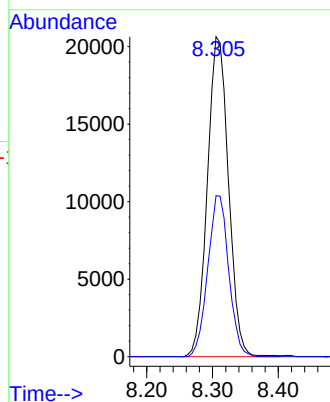
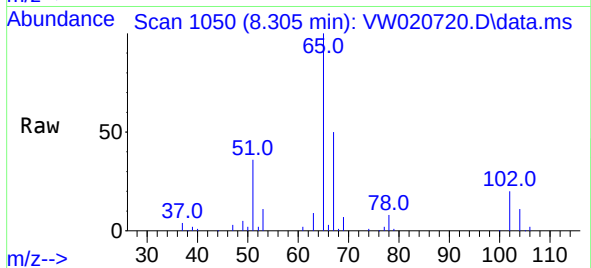
#33
1,2-Dichloroethane-d4
Concen: 47.334 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 65 Resp: 46036
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.8

Instrument :
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ClientSampleId :
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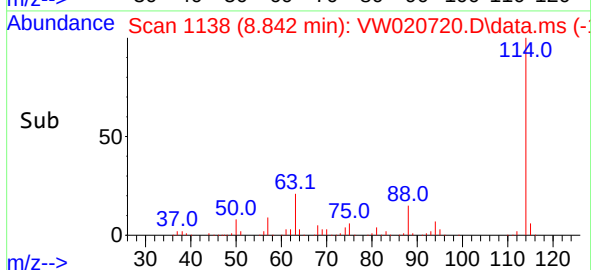
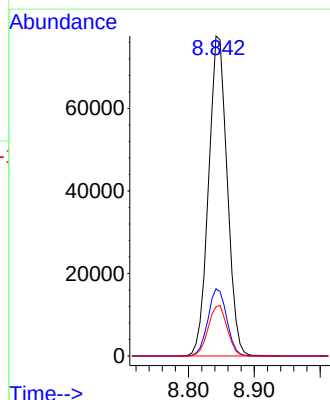
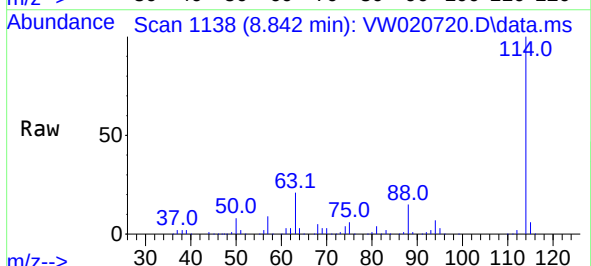
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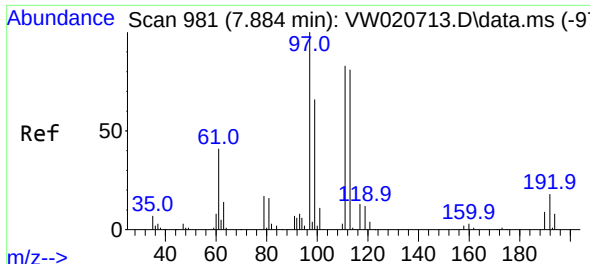
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#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. -0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

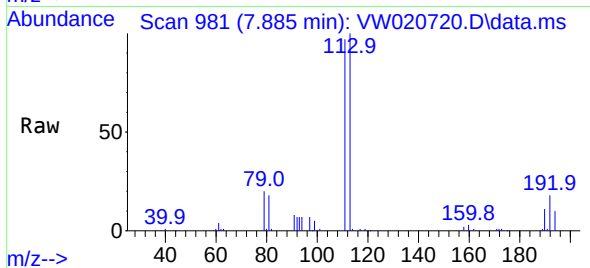
Tgt Ion: 114 Resp: 152507
Ion Ratio Lower Upper
114 100
63 21.0 0.0 41.4
88 15.4 0.0 32.8





#35
Dibromofluoromethane
Concen: 45.452 ug/l
RT: 7.885 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

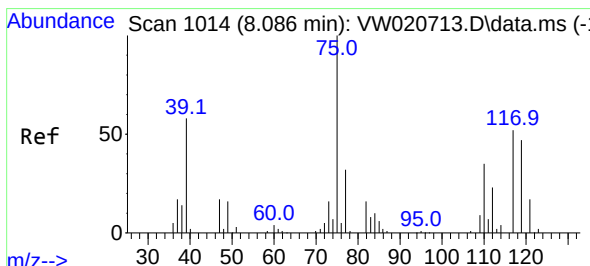
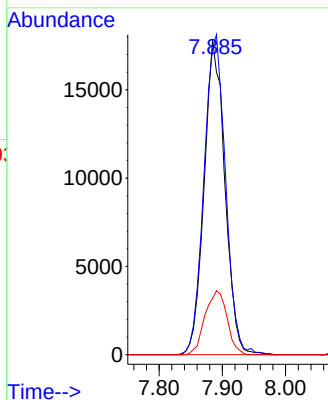
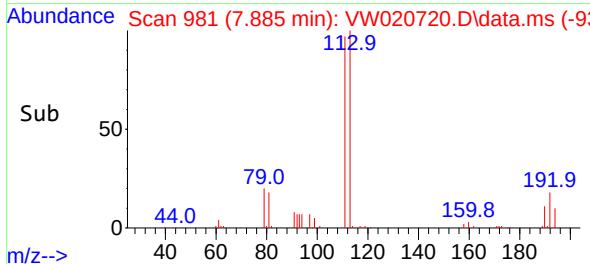
Instrument :
MSVOA_W
ClientSampleId :
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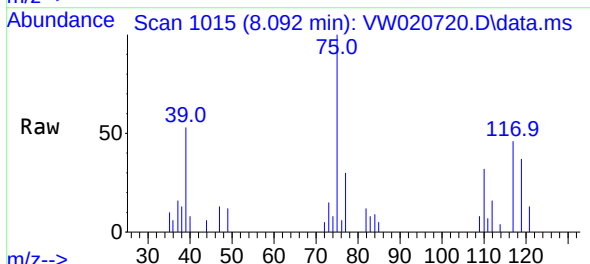
Tgt Ion:113 Resp: 40664
Ion Ratio Lower Upper
113 100
111 105.6 82.3 123.5
192 21.5 17.7 26.5

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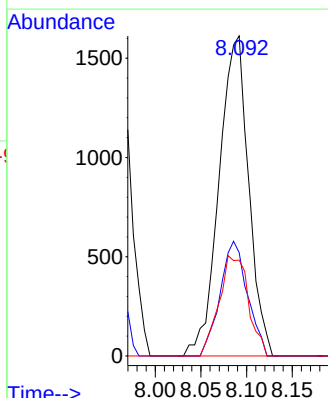
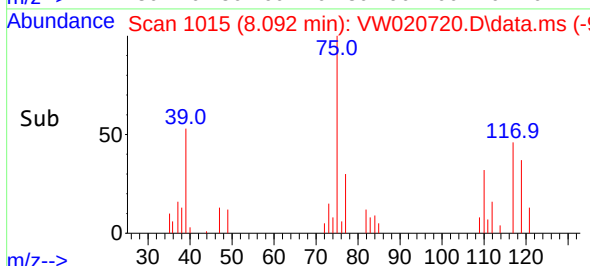
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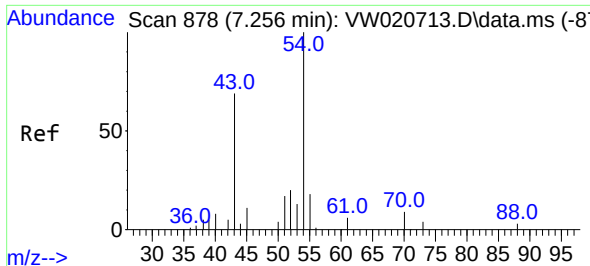


#36
1,1-Dichloropropene
Concen: 2.668 ug/l
RT: 8.092 min Scan# 1015
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



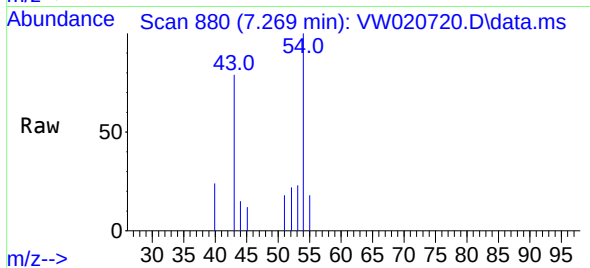
Tgt Ion: 75 Resp: 3630
Ion Ratio Lower Upper
75 100
110 33.2 17.3 52.0
77 31.0 24.8 37.2





#37
Ethyl Acetate
Concen: 2.546 ug/l
RT: 7.269 min Scan# 880
Delta R.T. 0.012 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

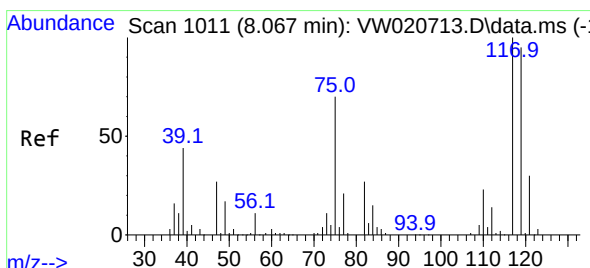
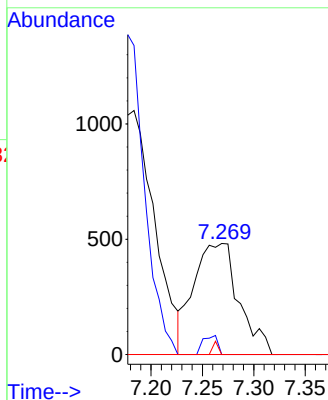
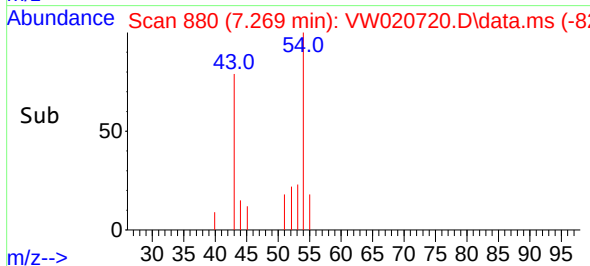
Instrument :
MSVOA_W
ClientSampleId :
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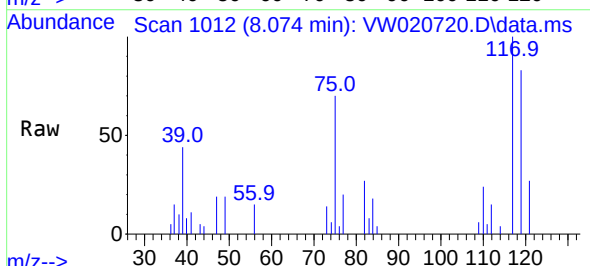
Tgt Ion: 43 Resp: 1478
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 1.4 8.6 13.0#

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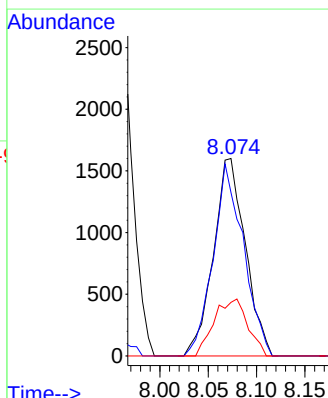
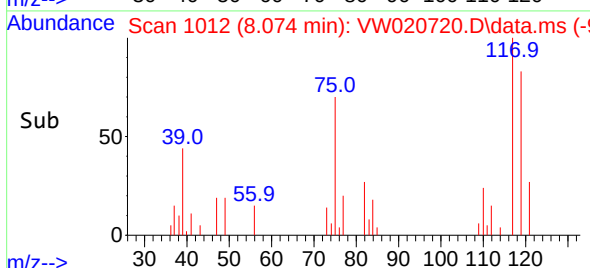
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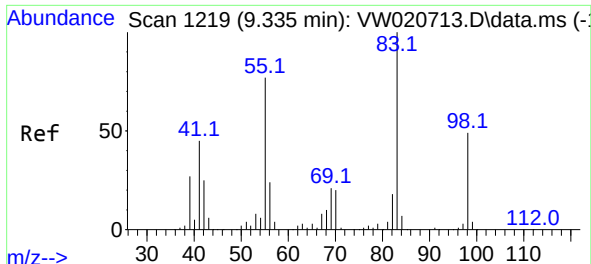


#38
Carbon Tetrachloride
Concen: 2.932 ug/l
RT: 8.074 min Scan# 1012
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



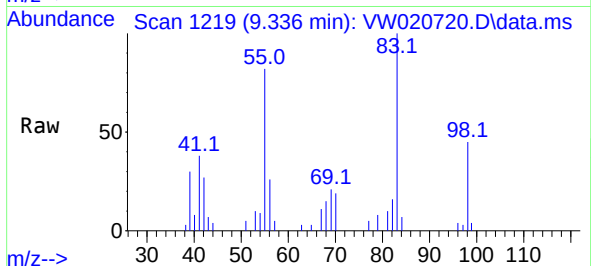
Tgt Ion: 117 Resp: 3673
Ion Ratio Lower Upper
117 100
119 82.7 76.1 114.1
121 27.2 24.2 36.4





#39
Methylcyclohexane
Concen: 2.668 ug/l
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

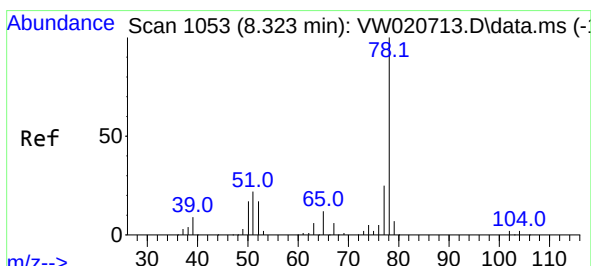
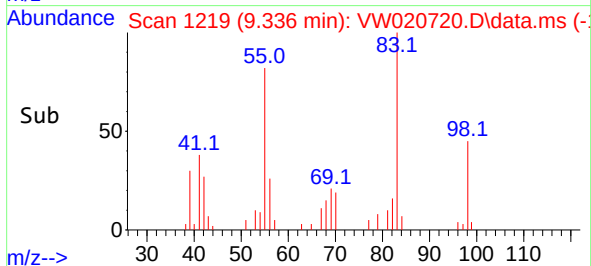
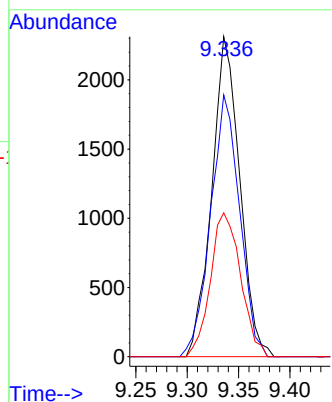
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 83 Resp: 4386
Ion Ratio Lower Upper
83 100
55 81.8 61.6 92.4
98 45.0 39.0 58.6

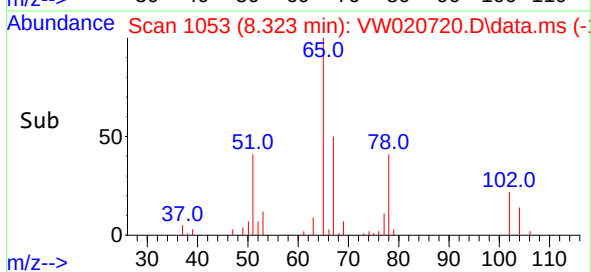
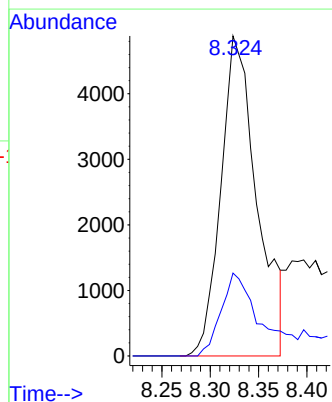
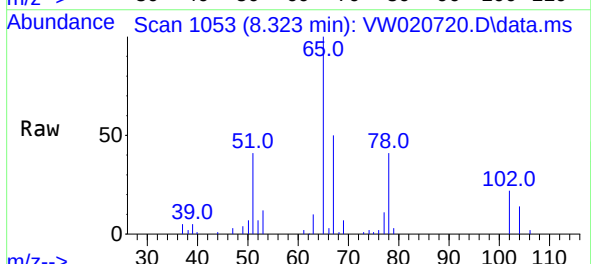
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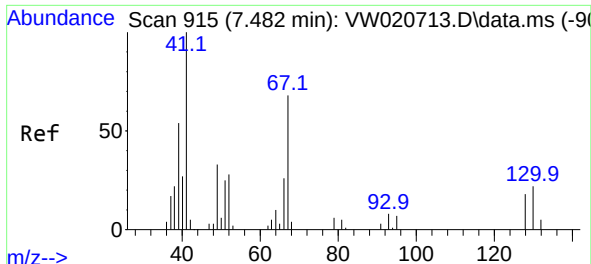
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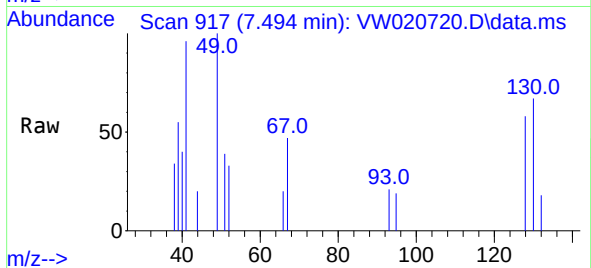
#40
Benzene
Concen: 3.248 ug/l
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 78 Resp: 12682
Ion Ratio Lower Upper
78 100
77 25.9 19.6 29.4



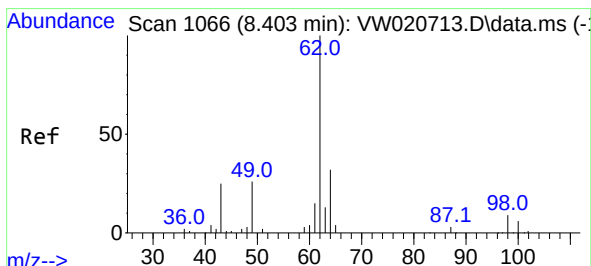
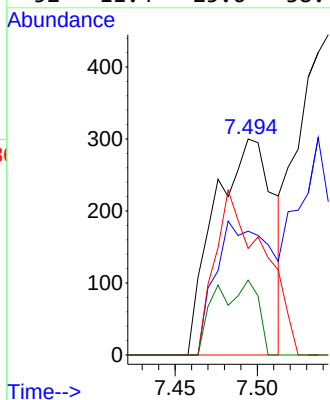
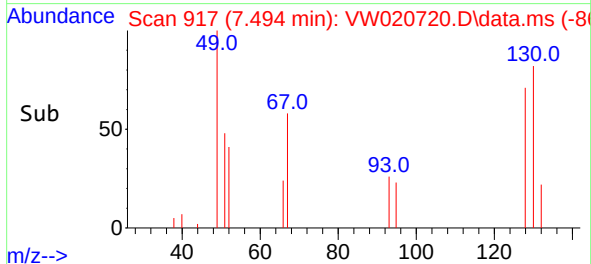


#41
Methacrylonitrile
Concen: 2.190 ug/l
RT: 7.494 min Scan# 917
Delta R.T. 0.012 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

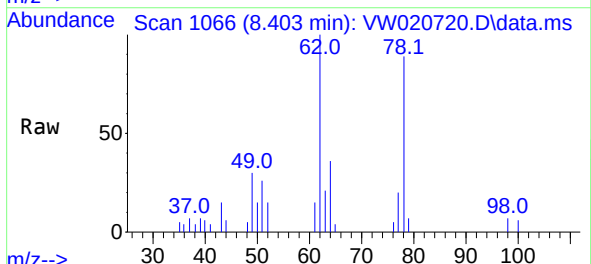


Tgt Ion: 41 Resp: 748

Ion	Ratio	Lower	Upper
41	100		
39	57.9	49.4	74.2
67	62.8	58.9	88.3
52	11.4	25.6	38.4

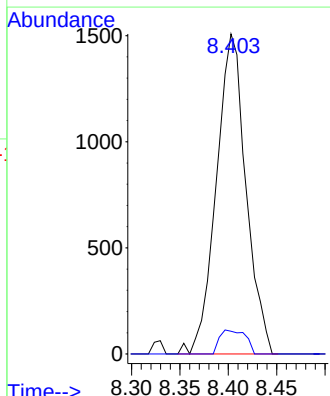
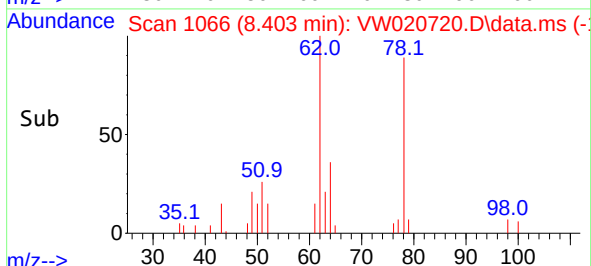


#42
1,2-Dichloroethane
Concen: 2.681 ug/l
RT: 8.403 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



Tgt Ion: 62 Resp: 3217

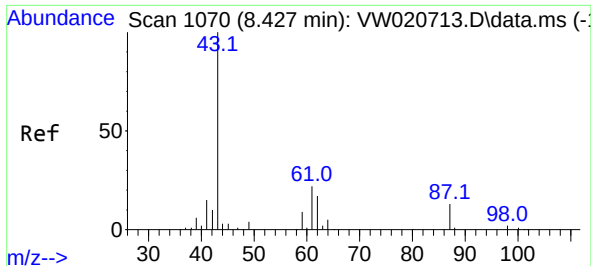
Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	17.8



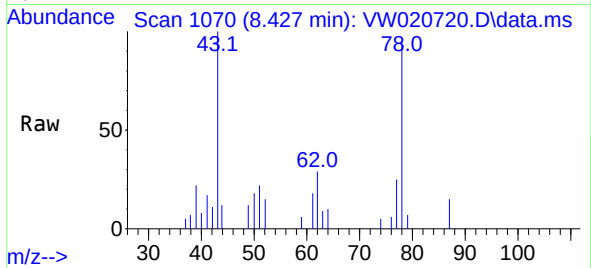
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

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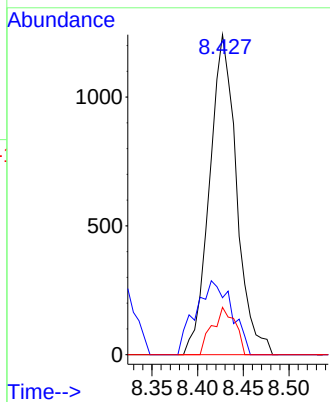
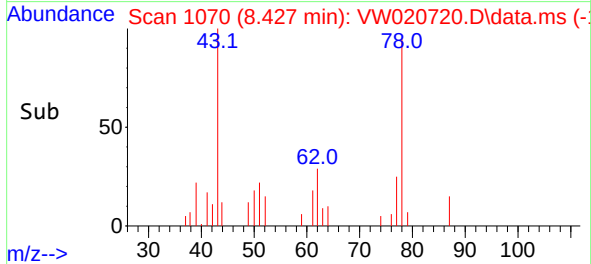
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#43
Isopropyl Acetate
Concen: 2.300 ug/l
RT: 8.427 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



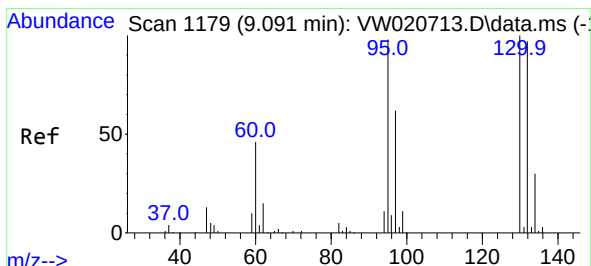
Tgt Ion:	43	Resp:	2558
Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.1	36.1
87	12.4	10.5	15.7



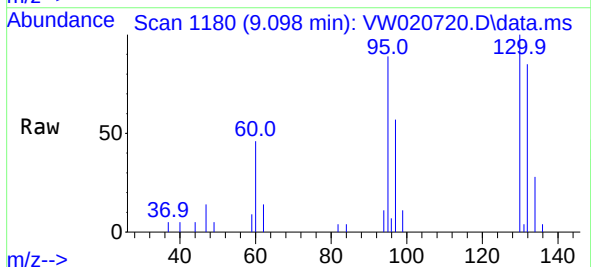
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Manual Integrations
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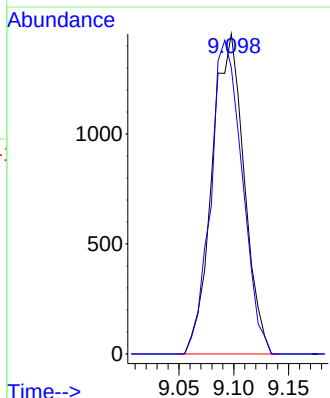
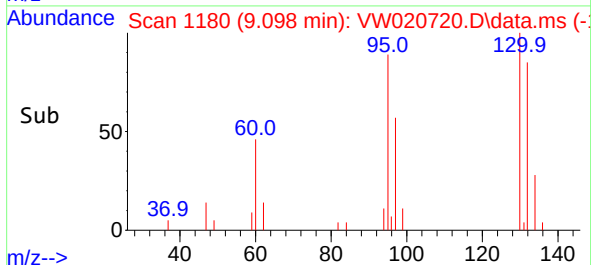
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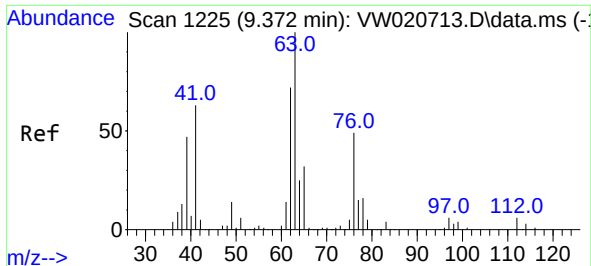


#44
Trichloroethene
Concen: 2.885 ug/l
RT: 9.098 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



Tgt Ion:	130	Resp:	2960
Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	196.2





#45

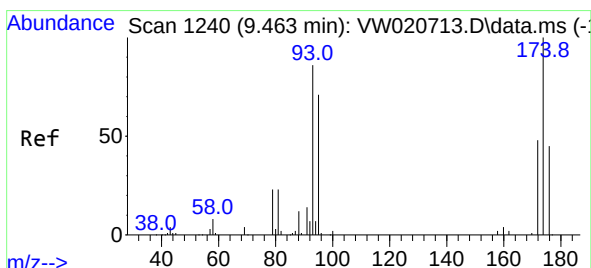
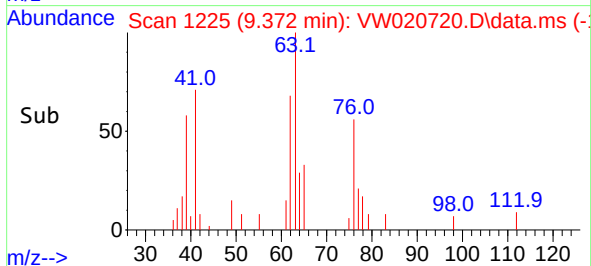
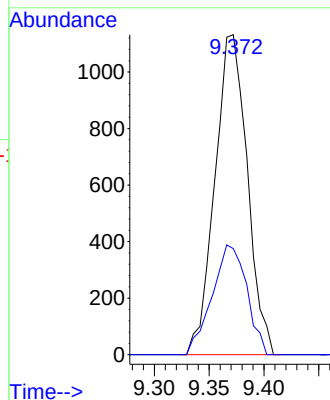
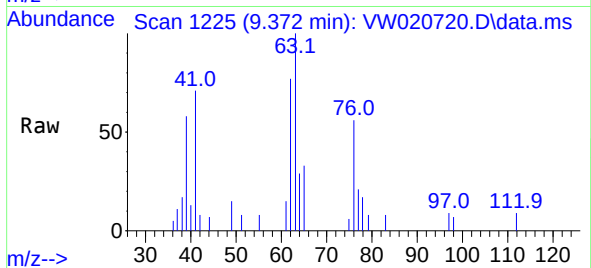
1,2-Dichloropropane
Concen: 2.529 ug/l
RT: 9.372 min Scan# 1225
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 63 Resp: 2329
Ion Ratio Lower Upper
63 100
65 33.1 25.2 37.8

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Manual Integrations
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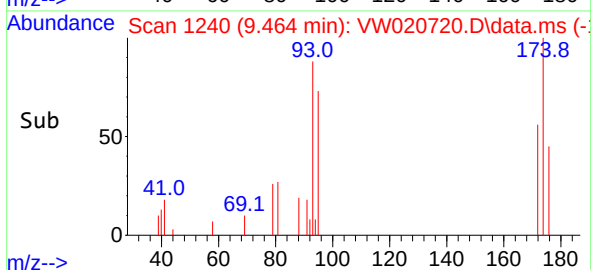
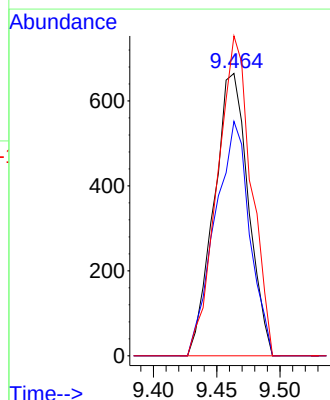
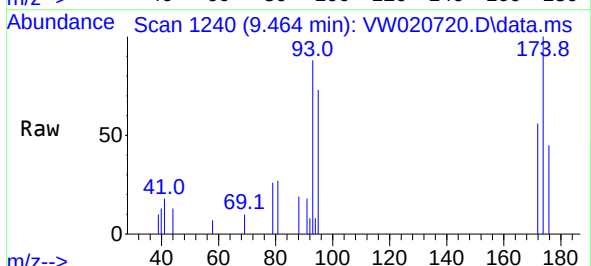
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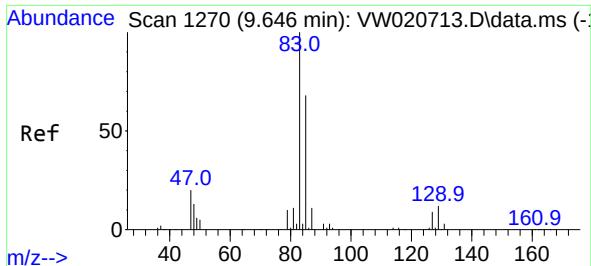


#46

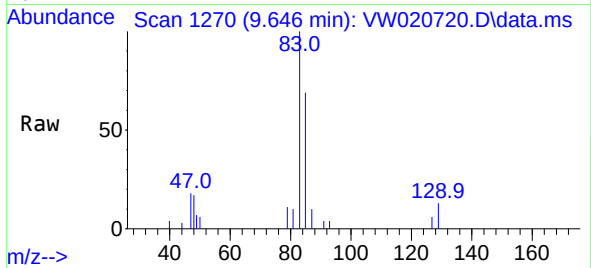
Dibromomethane
Concen: 2.506 ug/l
RT: 9.464 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 93 Resp: 1254
Ion Ratio Lower Upper
93 100
95 84.2 66.7 100.1
174 112.1 90.4 135.6

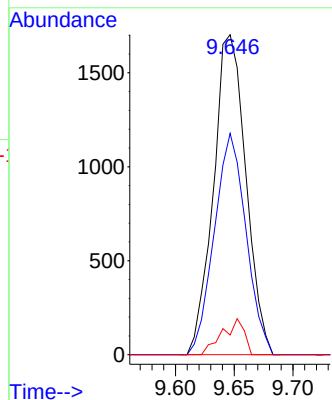




#47
Bromodichloromethane
Concen: 2.579 ug/l
RT: 9.646 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



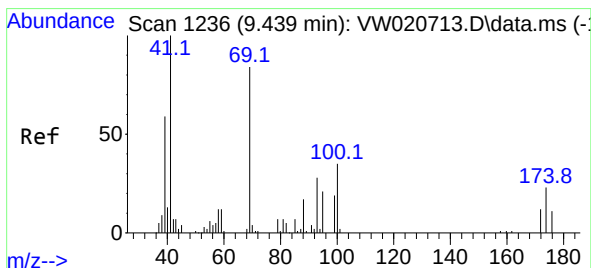
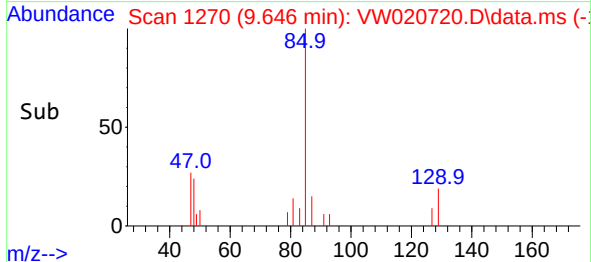
Tgt Ion: 83 Resp: 3276
Ion Ratio Lower Upper
83 100
85 69.2 54.0 81.0
127 6.2 7.0 10.6#



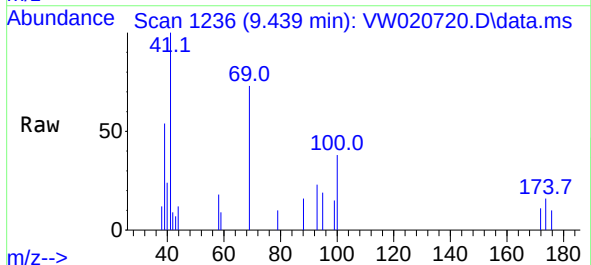
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Manual Integrations
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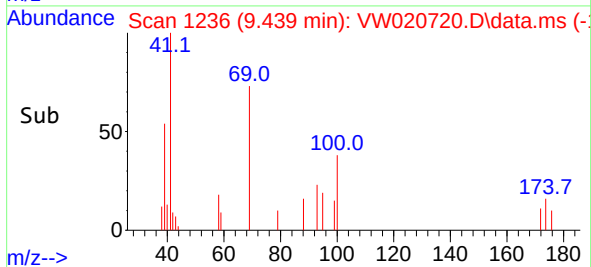
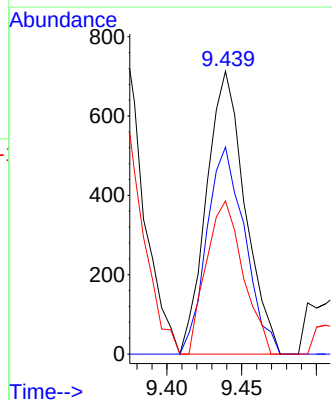
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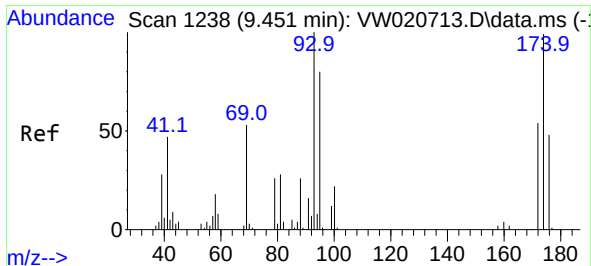


#48
Methyl methacrylate
Concen: 2.347 ug/l
RT: 9.439 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



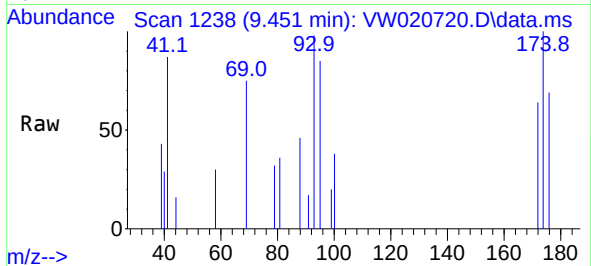
Tgt Ion: 41 Resp: 1278
Ion Ratio Lower Upper
41 100
69 72.5 67.4 101.0
39 51.7 47.2 70.8





#49
1,4-Dioxane
Concen: 50.794 ug/l
RT: 9.451 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

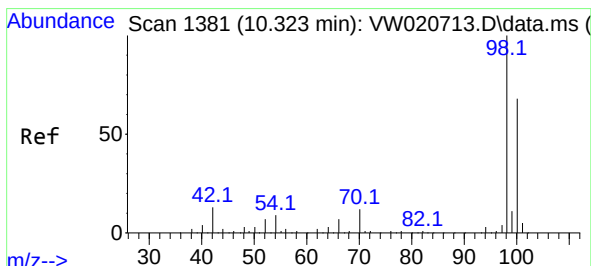
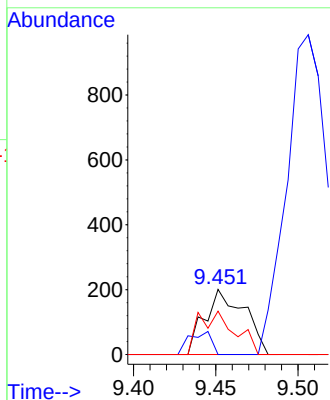
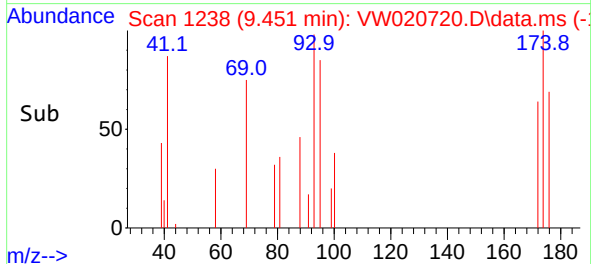
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



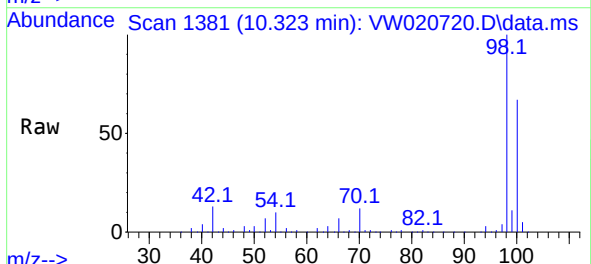
Tgt Ion: 88 Resp: 337
Ion Ratio Lower Upper
88 100
43 19.9 29.1 43.7#
58 60.2 58.6 88.0

Manual Integrations
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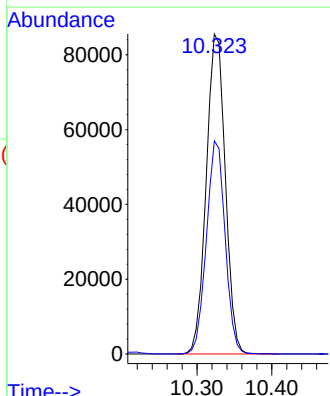
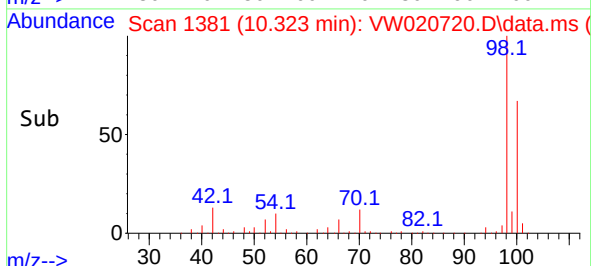
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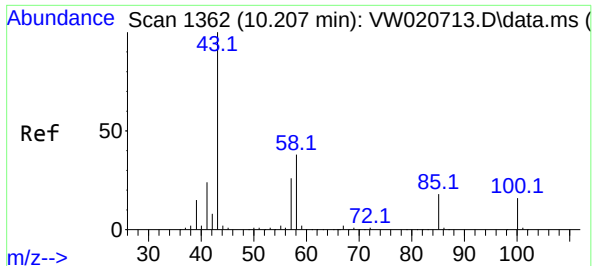


#50
Toluene-d8
Concen: 45.087 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



Tgt Ion: 98 Resp: 151374
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4





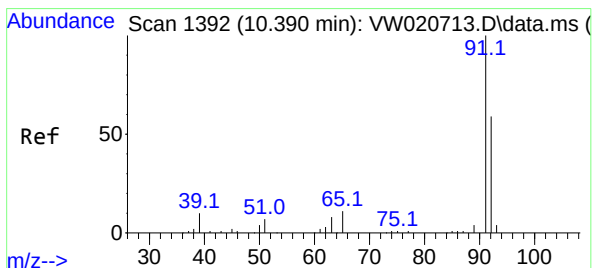
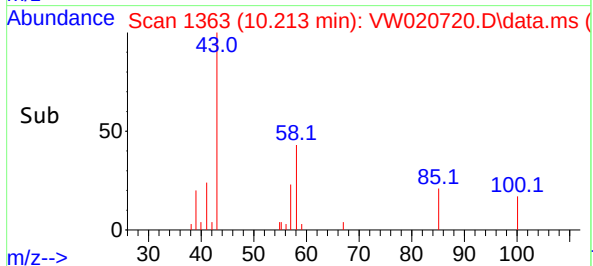
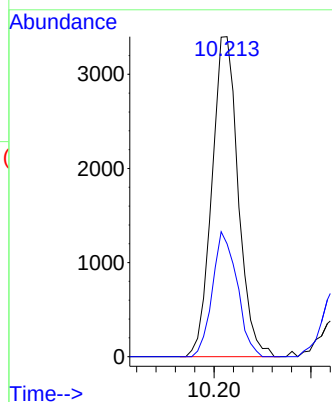
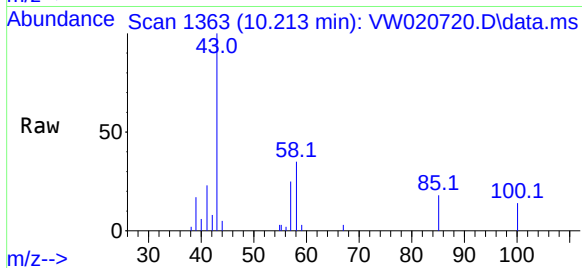
#51
4-Methyl-2-Pentanone
Concen: 11.027 ug/l
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 43 Resp: 6415
Ion Ratio Lower Upper
43 100
58 36.6 31.0 46.4

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

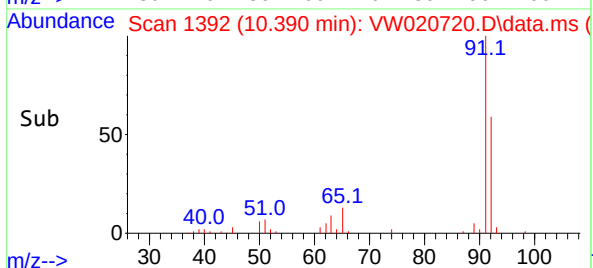
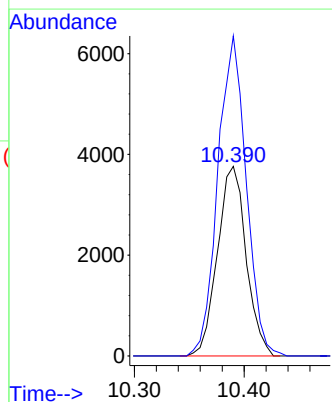
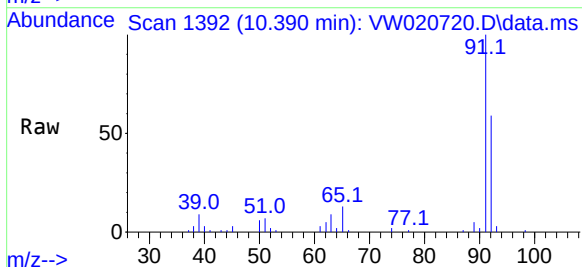
Manual Integrations
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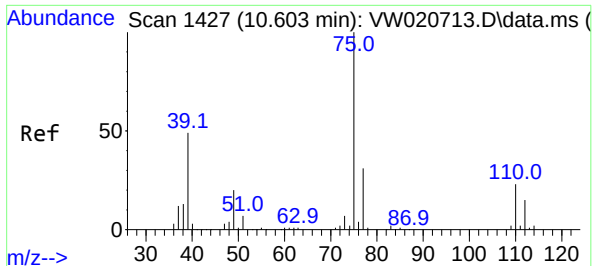
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#52
Toluene
Concen: 2.862 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 92 Resp: 6830
Ion Ratio Lower Upper
92 100
91 167.1 135.4 203.2





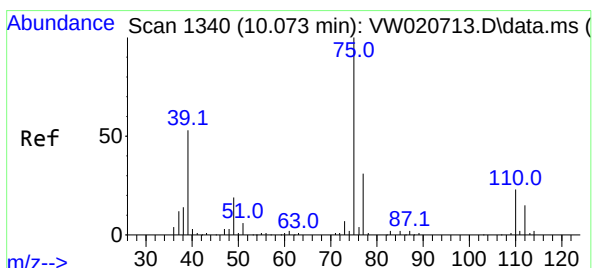
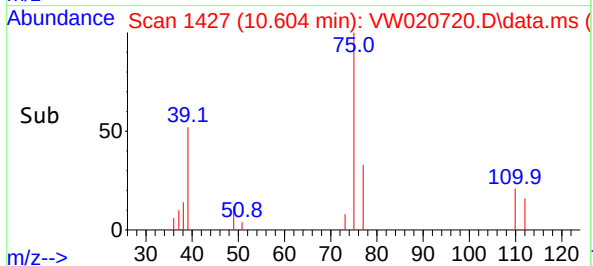
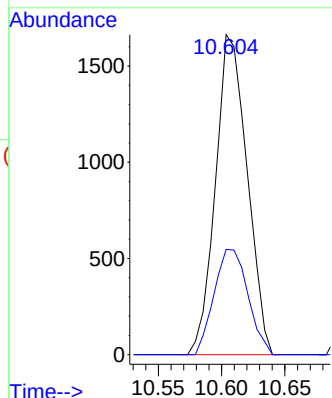
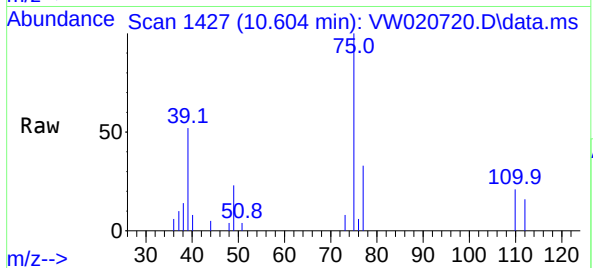
#53
t-1,3-Dichloropropene
Concen: 2.262 ug/l
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 75 Resp: 2895
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.6

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

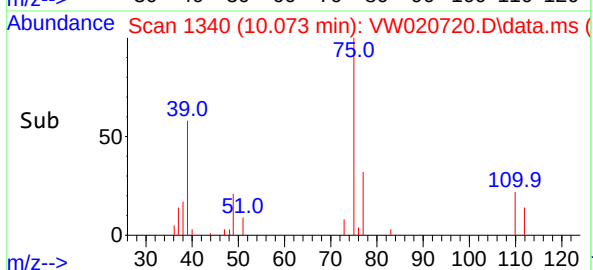
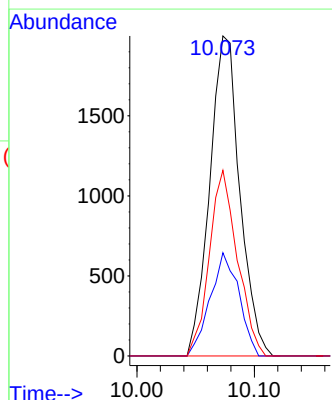
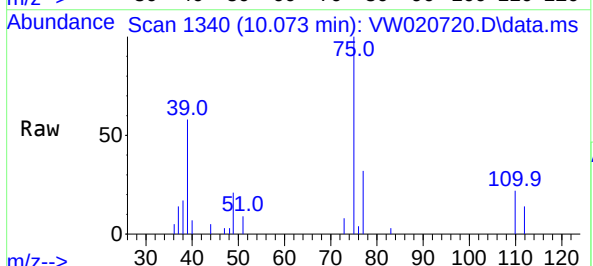
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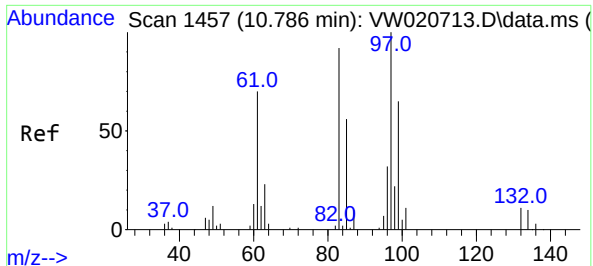
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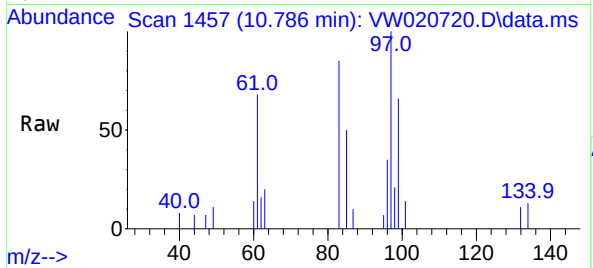
#54
cis-1,3-Dichloropropene
Concen: 2.417 ug/l
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 75 Resp: 3558
Ion Ratio Lower Upper
75 100
77 32.3 24.9 37.3
39 58.0 42.6 63.8



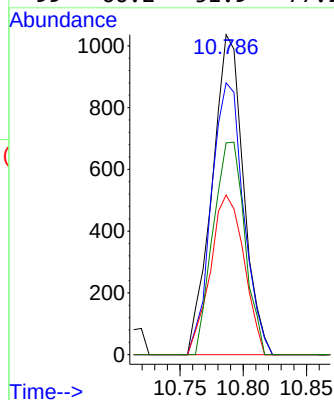


#55
1,1,2-Trichloroethane
Concen: 2.566 ug/l
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



Tgt Ion: 97 Resp: 1791

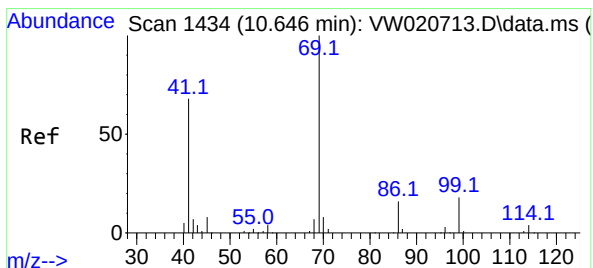
Ion	Ratio	Lower	Upper
97	100		
83	84.9	73.9	110.9
85	49.9	44.8	67.2
99	66.2	51.9	77.9



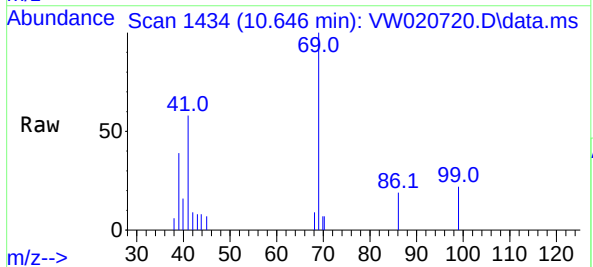
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

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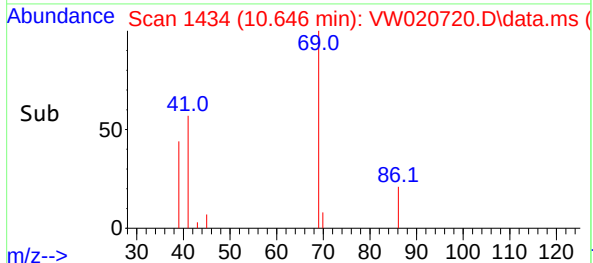
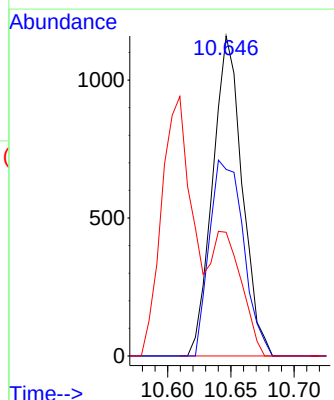


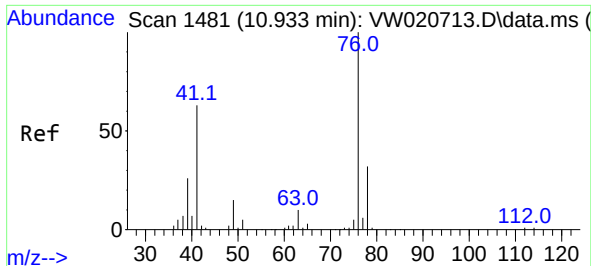
#56
Ethyl methacrylate
Concen: 2.165 ug/l
RT: 10.646 min Scan# 1434
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



Tgt Ion: 69 Resp: 1888

Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.5	83.3
39	33.9	29.6	44.4





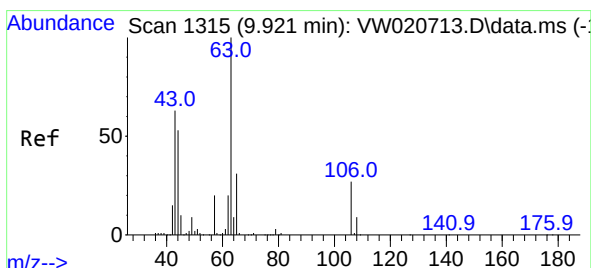
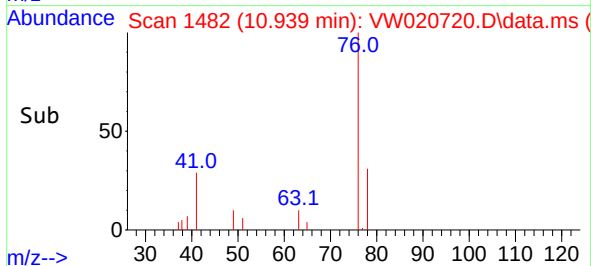
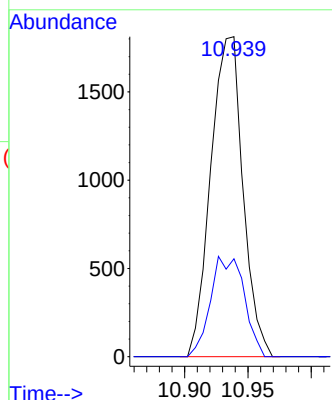
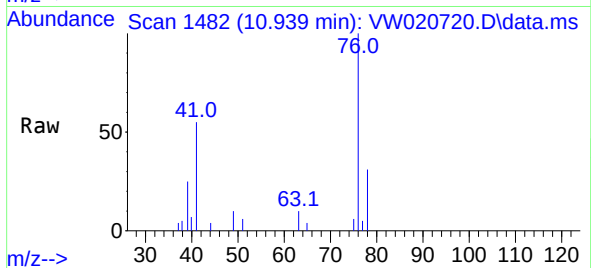
#57
1,3-Dichloropropane
Concen: 2.635 ug/l
RT: 10.939 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 76 Resp: 3209
Ion Ratio Lower Upper
76 100
78 32.6 25.7 38.5

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

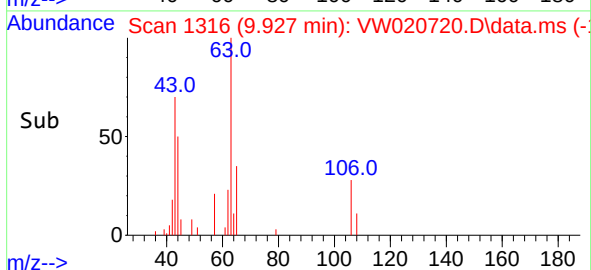
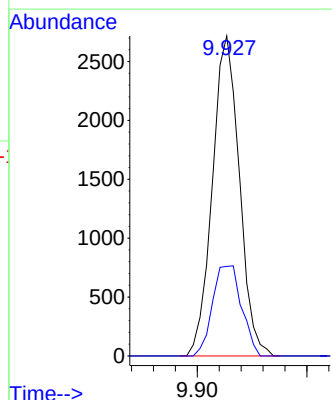
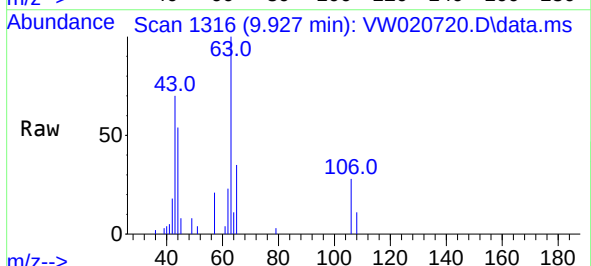
Manual Integrations
APPROVED

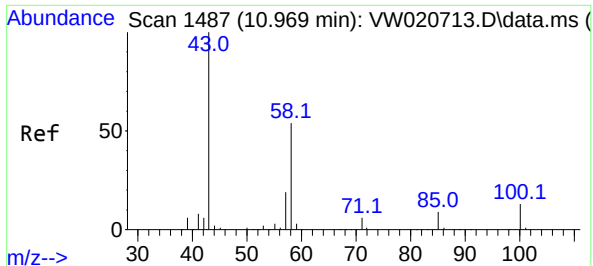
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#58
2-Chloroethyl Vinyl ether
Concen: 11.237 ug/l
RT: 9.927 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 63 Resp: 4646
Ion Ratio Lower Upper
63 100
106 30.3 23.1 34.7





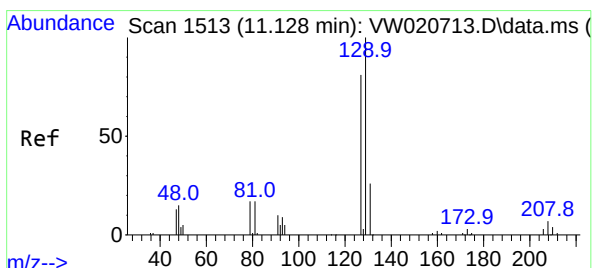
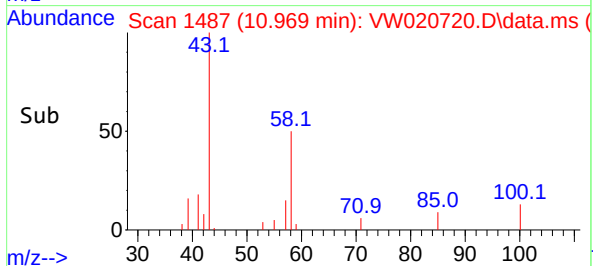
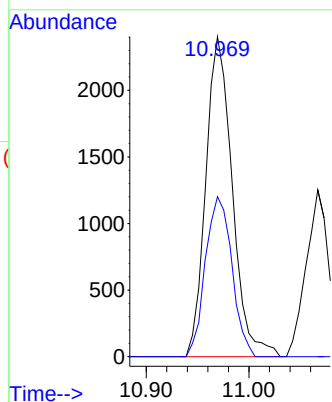
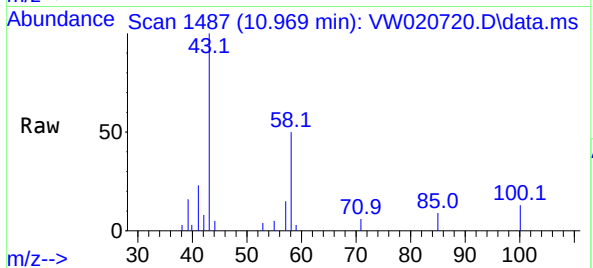
#59
2-Hexanone
Concen: 10.468 ug/l
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 43 Resp: 4307
Ion Ratio Lower Upper
43 100
58 50.0 26.7 80.0

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

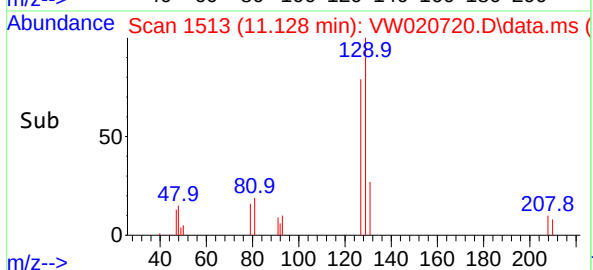
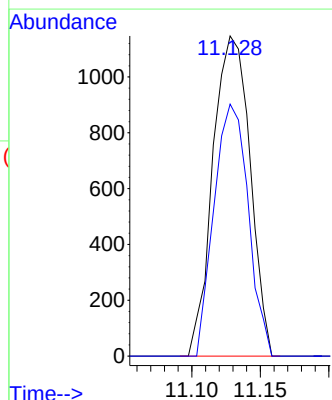
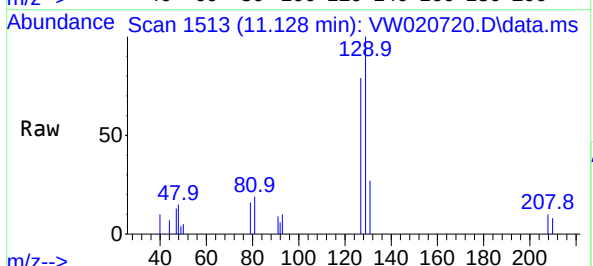
Manual Integrations
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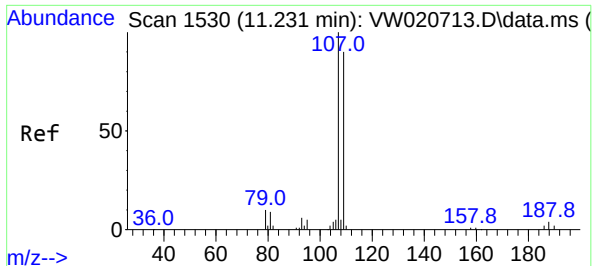
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#60
Dibromochloromethane
Concen: 2.594 ug/l
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

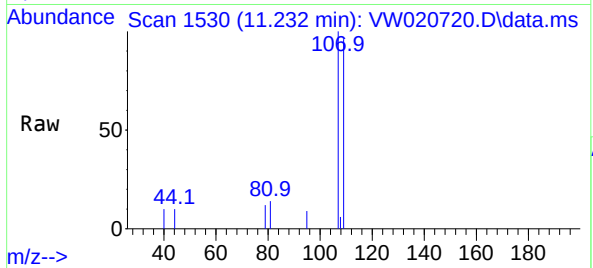
Tgt Ion: 129 Resp: 2164
Ion Ratio Lower Upper
129 100
127 72.5 39.3 117.9





#61
1,2-Dibromoethane
Concen: 2.555 ug/l
RT: 11.232 min Scan# 1530
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

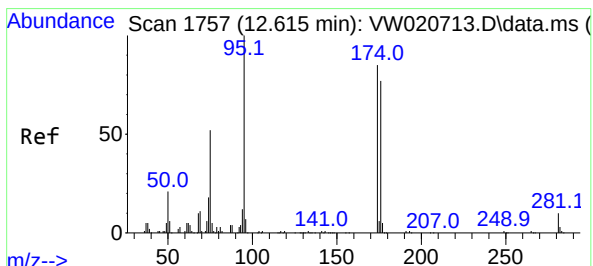
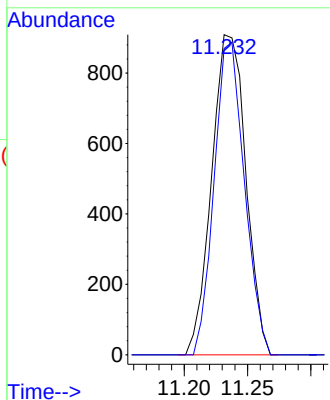
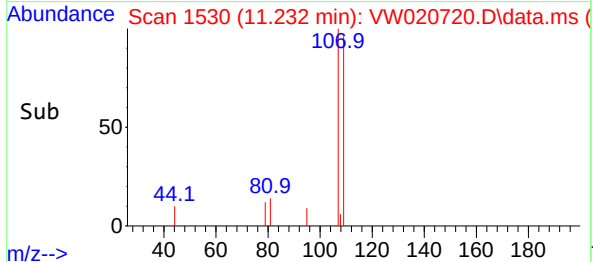
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



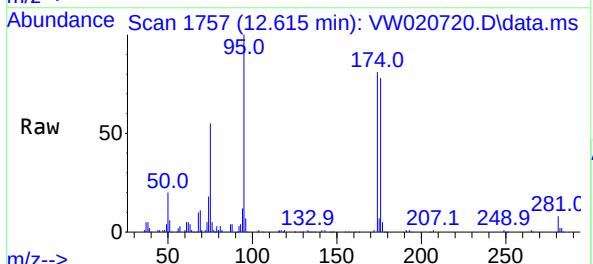
Tgt Ion:107 Resp: 1707
Ion Ratio Lower Upper
107 100
109 86.5 74.9 112.3

Manual Integrations
APPROVED

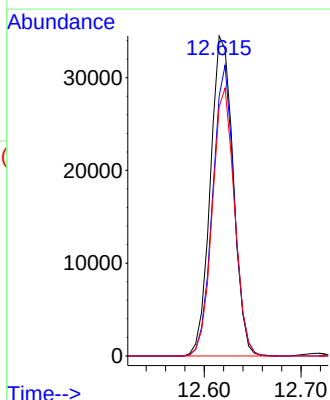
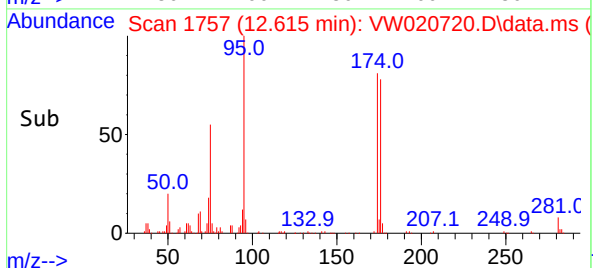
MMDadoda
10/29/2021 4:39:15 PM



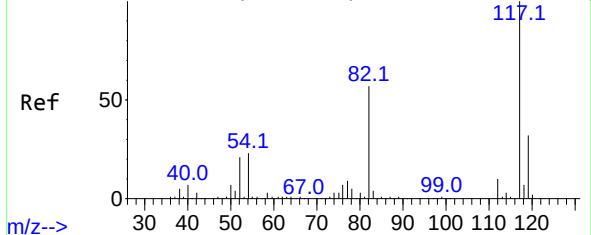
#62
4-Bromofluorobenzene
Concen: 44.566 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



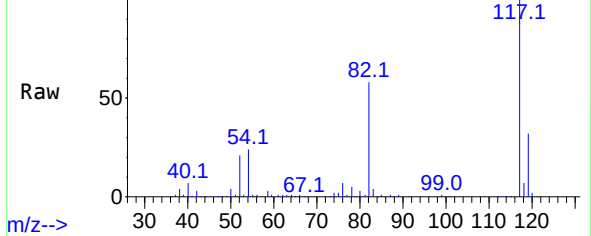
Tgt Ion: 95 Resp: 56448
Ion Ratio Lower Upper
95 100
174 85.6 0.0 171.0
176 81.3 0.0 165.0



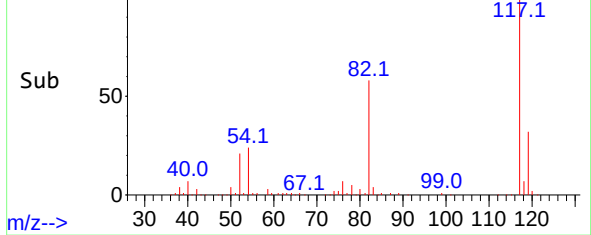
Abundance Scan 1596 (11.634 min): VW020713.D\data.ms (



m/z--> Abundance Scan 1595 (11.628 min): VW020720.D\data.ms



m/z--> Abundance Scan 1595 (11.628 min): VW020720.D\data.ms (



m/z-->

#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.628 min Scan# 1595

Delta R.T. -0.006 min

Lab File: VW020720.D

Acq: 28 Oct 2021 17:56

Tgt Ion:117 Resp: 137071

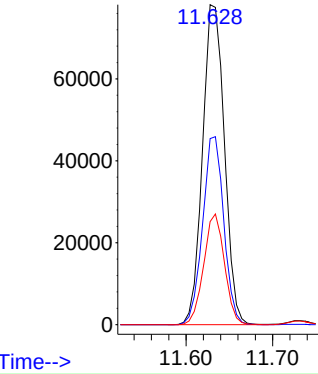
Ion Ratio Lower Upper

117 100

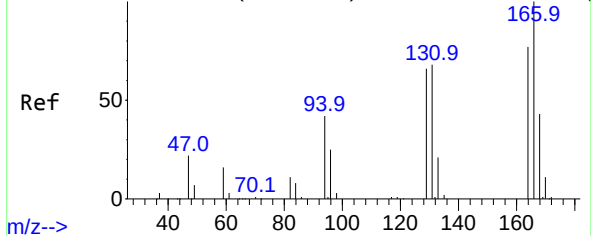
82 58.1 45.7 68.5

119 32.2 25.4 38.2

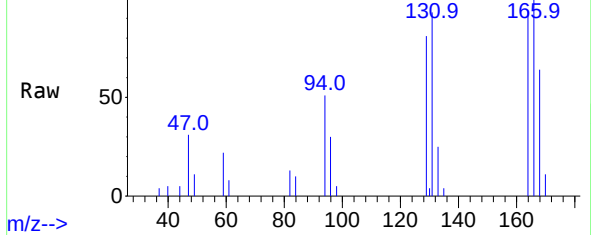
Abundance



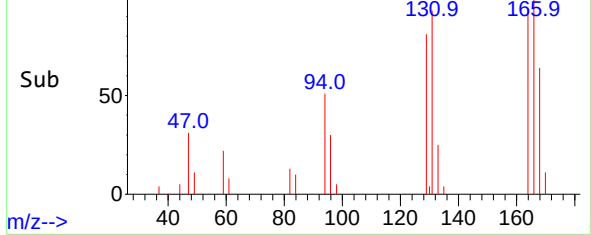
Abundance Scan 1470 (10.866 min): VW020713.D\data.ms (



m/z--> Abundance Scan 1470 (10.866 min): VW020720.D\data.ms



m/z--> Abundance Scan 1470 (10.866 min): VW020720.D\data.ms (



m/z-->

#64

Tetrachloroethene

Concen: 2.953 ug/l

RT: 10.866 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VW020720.D

Acq: 28 Oct 2021 17:56

Tgt Ion:164 Resp: 2578

Ion Ratio Lower Upper

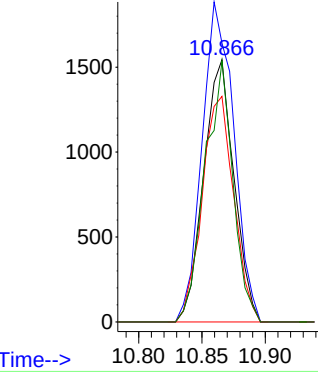
164 100

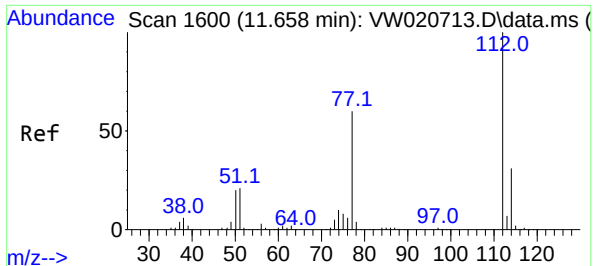
166 106.3 104.1 156.1

129 86.0 68.5 102.7

131 99.4 70.4 105.6

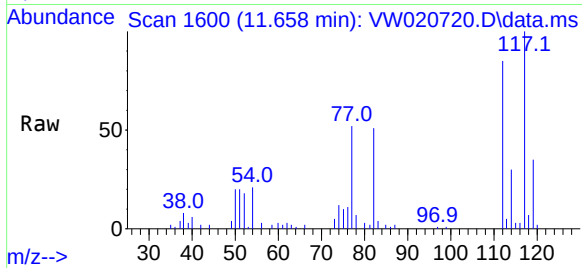
Abundance





#65
Chlorobenzene
Concen: 2.880 ug/l
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

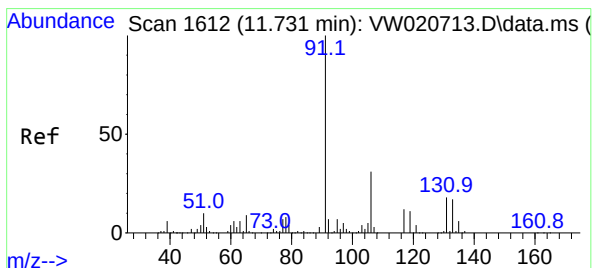
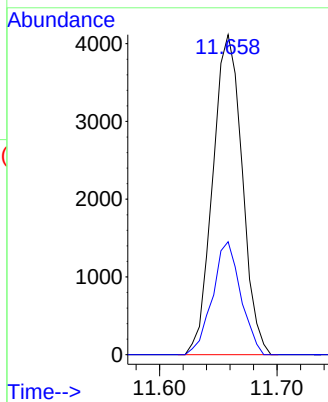
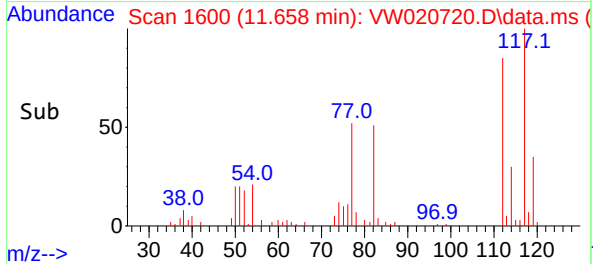
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



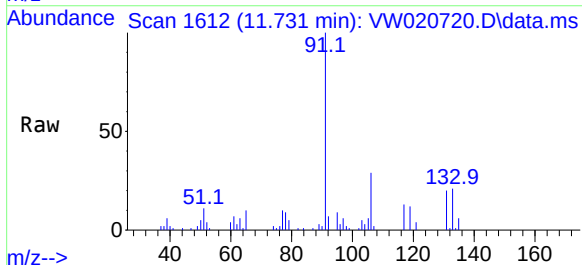
Tgt Ion:112 Resp: 7159
Ion Ratio Lower Upper
112 100
114 35.3 25.2 37.8

Manual Integrations
APPROVED

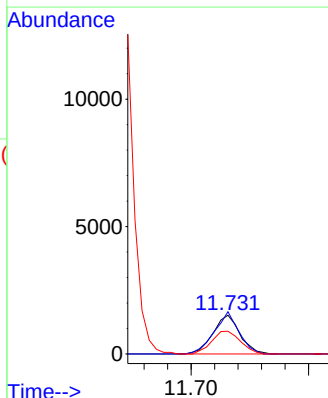
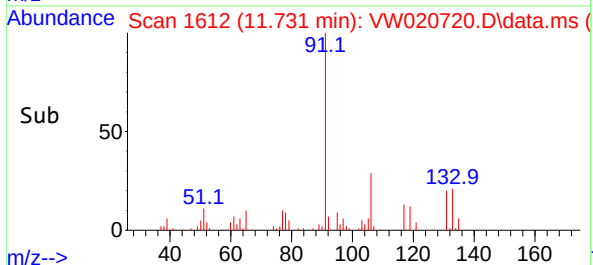
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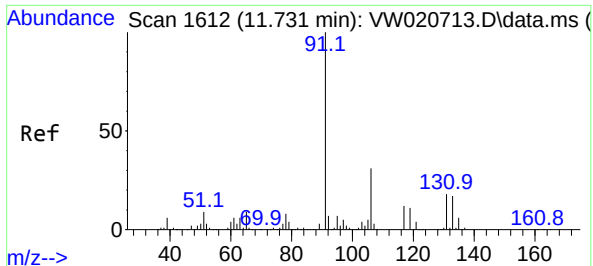


#66
1,1,1,2-Tetrachloroethane
Concen: 2.665 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



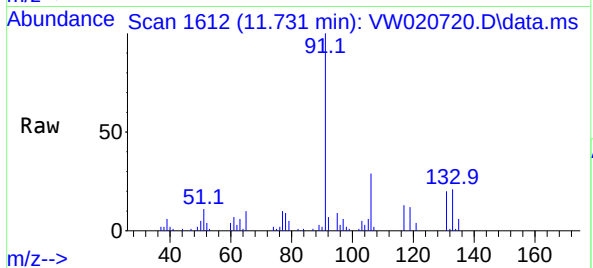
Tgt Ion:131 Resp: 2414
Ion Ratio Lower Upper
131 100
133 99.8 48.3 144.8
119 62.9 31.7 95.1





#67
Ethyl Benzene
Concen: 2.615 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

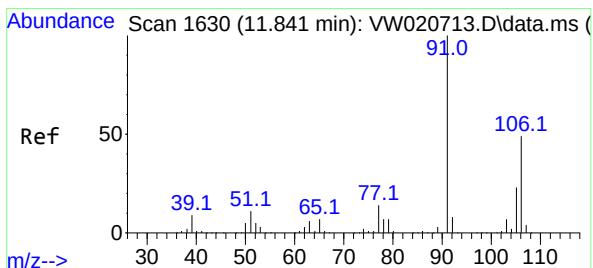
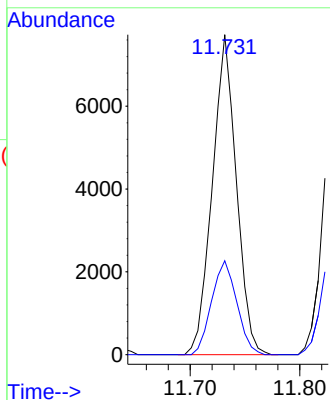
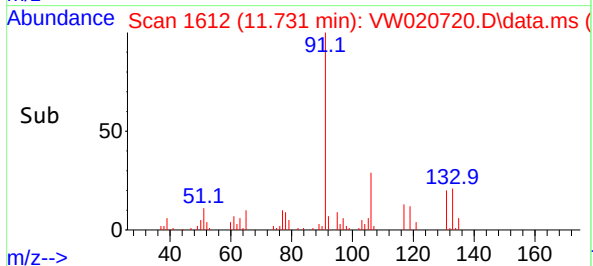
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



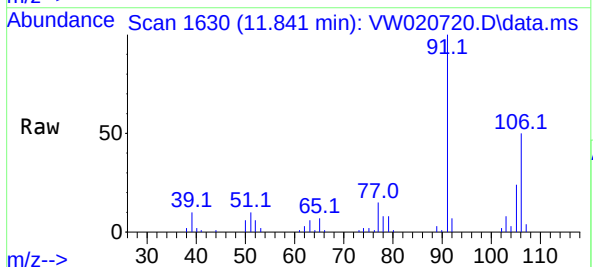
Tgt Ion: 91 Resp: 11775
Ion Ratio Lower Upper
91 100
106 29.3 24.5 36.7

Manual Integrations
APPROVED

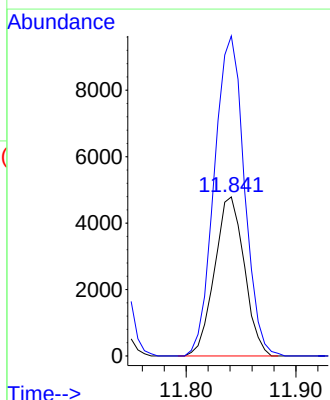
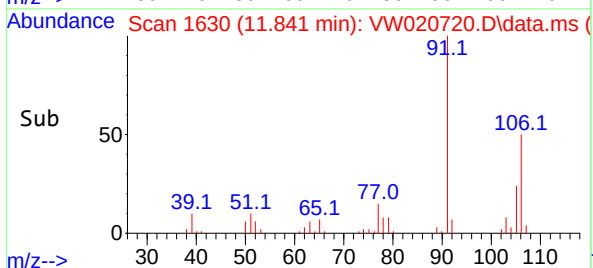
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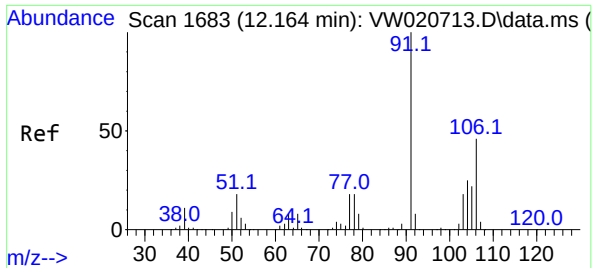


#68
m/p-Xylenes
Concen: 5.170 ug/l
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



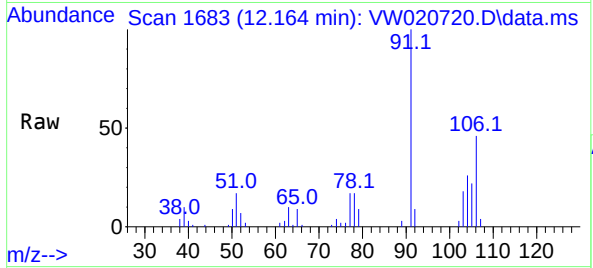
Tgt Ion: 106 Resp: 9018
Ion Ratio Lower Upper
106 100
91 203.3 163.8 245.8





#69
o-Xylene
Concen: 2.579 ug/l
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

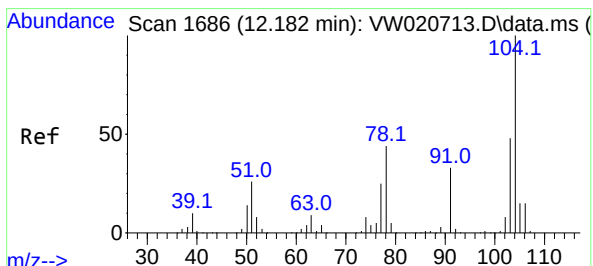
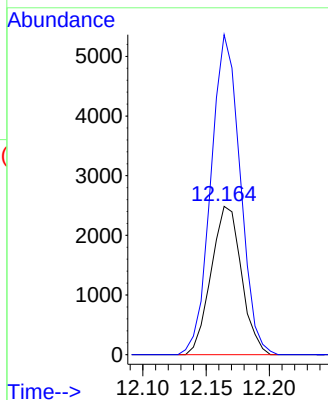
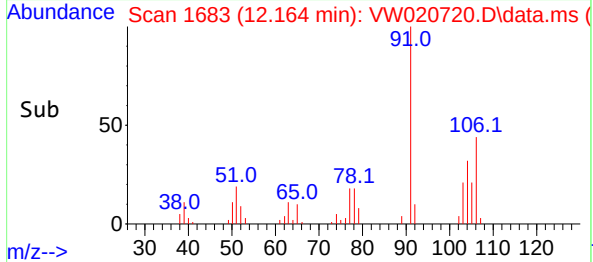
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



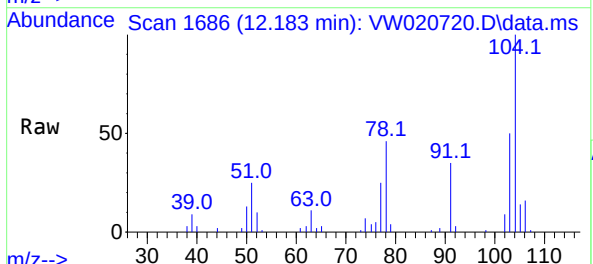
Tgt Ion:106 Resp: 4141
Ion Ratio Lower Upper
106 100
91 208.5 109.3 327.9

Manual Integrations
APPROVED

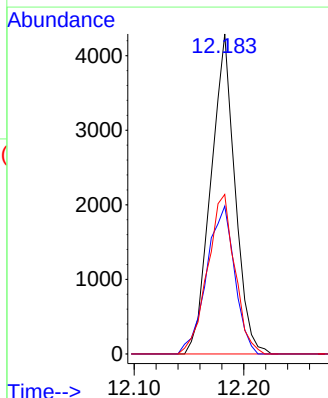
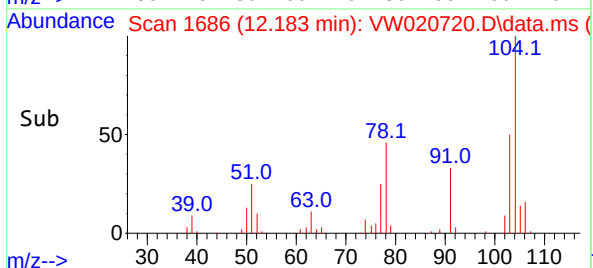
MMDadoda
10/29/2021 4:39:15 PM

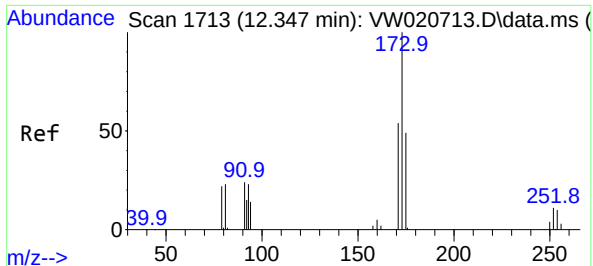


#70
Styrene
Concen: 2.387 ug/l
RT: 12.183 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

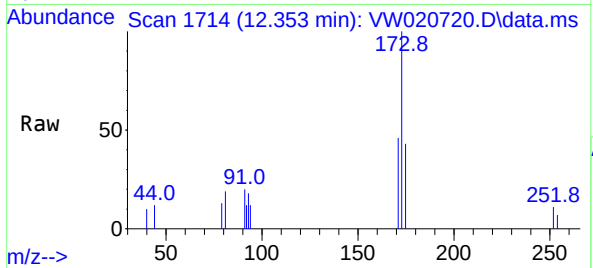


Tgt Ion:104 Resp: 6568
Ion Ratio Lower Upper
104 100
78 53.6 41.5 62.3
103 56.1 43.4 65.2

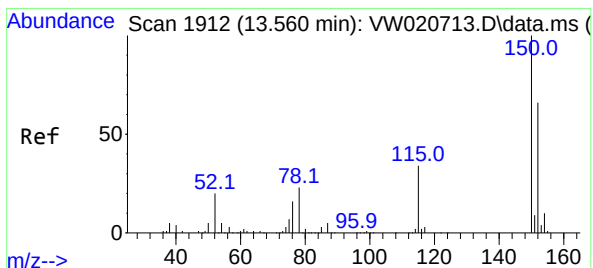
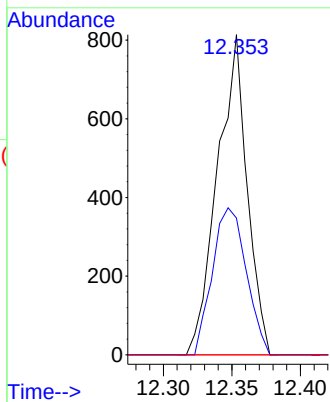
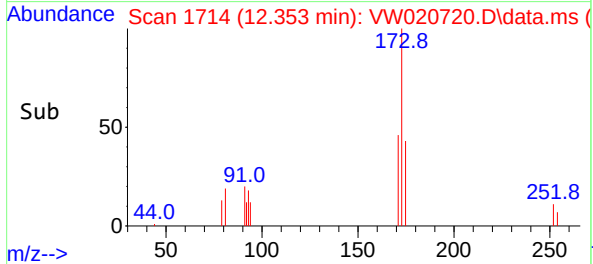




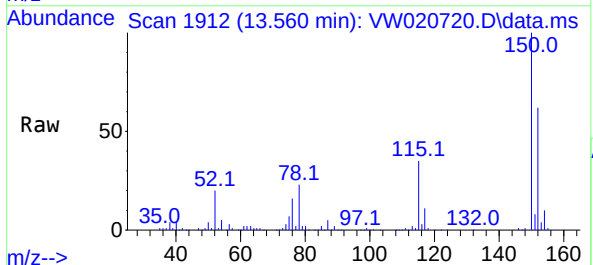
#71
Bromoform
Concen: 2.478 ug/l
RT: 12.353 min Scan# 1714
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



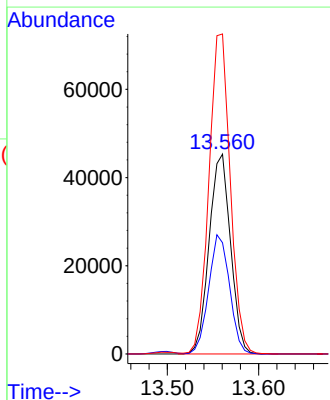
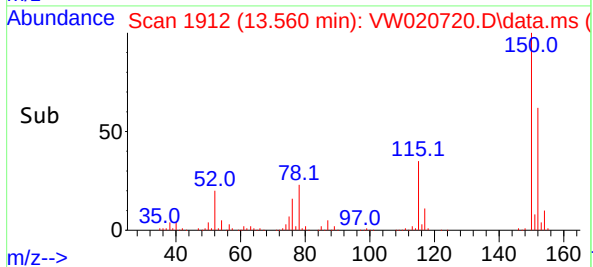
Tgt Ion:173 Resp: 1227
Ion Ratio Lower Upper
173 100
175 52.4 24.3 73.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



Tgt Ion:152 Resp: 73569
Ion Ratio Lower Upper
152 100
115 58.5 28.7 86.3
150 159.8 0.0 342.2

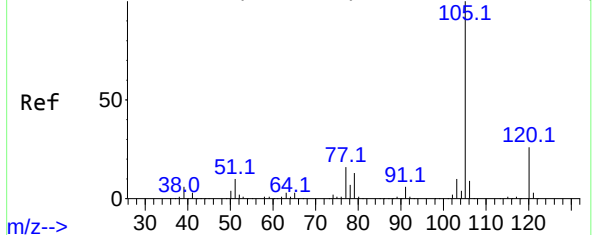


Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

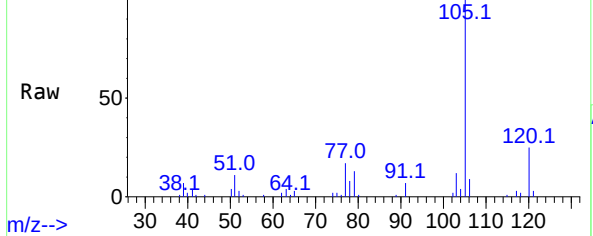
Manual Integrations
APPROVED

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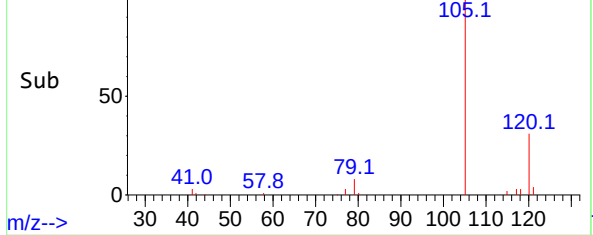
Abundance Scan 1732 (12.463 min): VW020713.D\data.ms (



m/z--> Abundance Scan 1732 (12.463 min): VW020720.D\data.ms



m/z--> Abundance Scan 1732 (12.463 min): VW020720.D\data.ms (



m/z-->

#73

Isopropylbenzene

Concen: 2.440 ug/l

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW020720.D

Acq: 28 Oct 2021 17:56

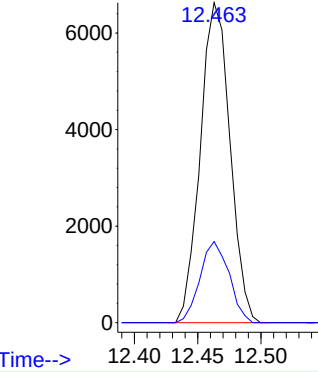
Tgt Ion:105 Resp: 10837

Ion Ratio Lower Upper

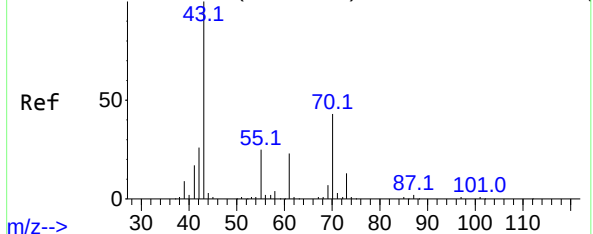
105 100

120 24.7 12.8 38.3

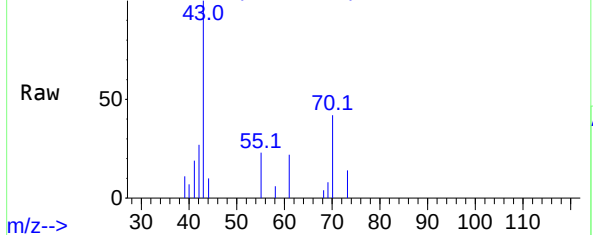
Abundance



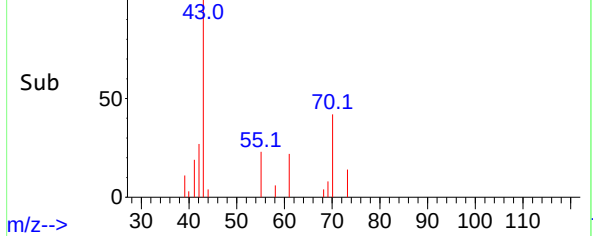
Abundance Scan 1701 (12.274 min): VW020713.D\data.ms (



m/z--> Abundance Scan 1701 (12.274 min): VW020720.D\data.ms



m/z--> Abundance Scan 1701 (12.274 min): VW020720.D\data.ms (



m/z-->

#74

N-ethyl acetate

Concen: 2.108 ug/l

RT: 12.274 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VW020720.D

Acq: 28 Oct 2021 17:56

Tgt Ion: 43 Resp: 2145

Ion Ratio Lower Upper

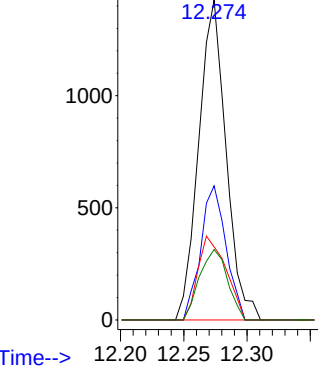
43 100

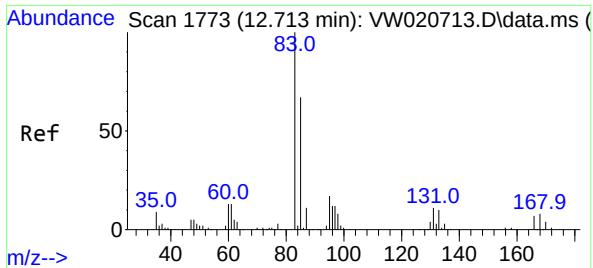
70 38.8 34.3 51.5

55 26.8 20.0 30.0

61 22.4 18.7 28.1

Abundance





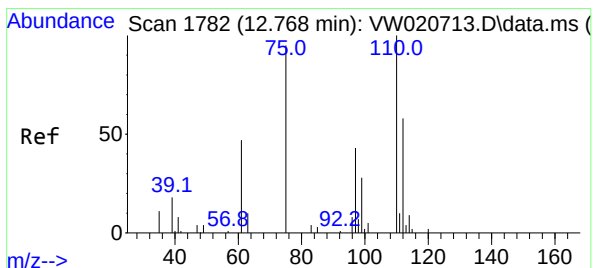
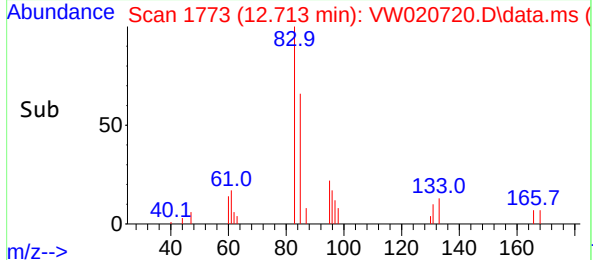
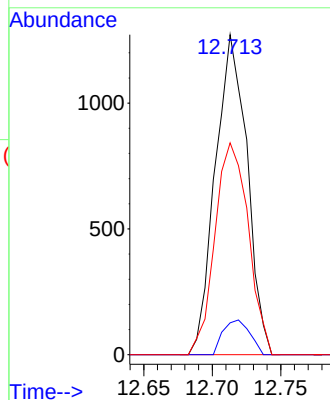
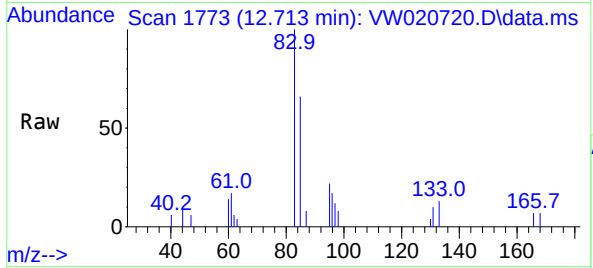
#75
1,1,2,2-Tetrachloroethane
Concen: 2.619 ug/l
RT: 12.713 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion:	83	Resp:	2052
Ion	Ratio	Lower	Upper
83	100		
131	9.2	5.7	17.1
85	69.7	32.5	97.5

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

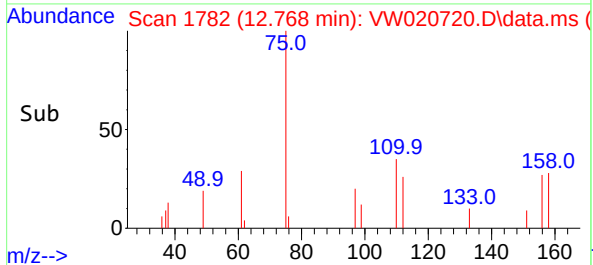
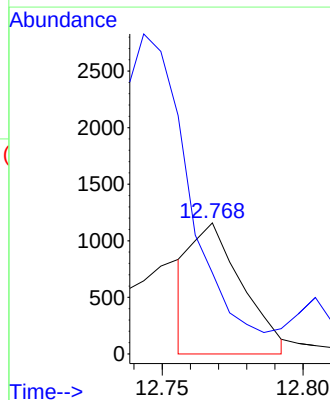
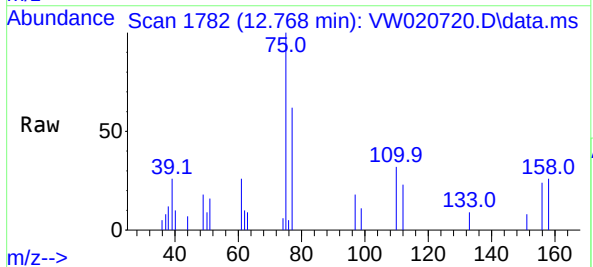
Manual Integrations
APPROVED

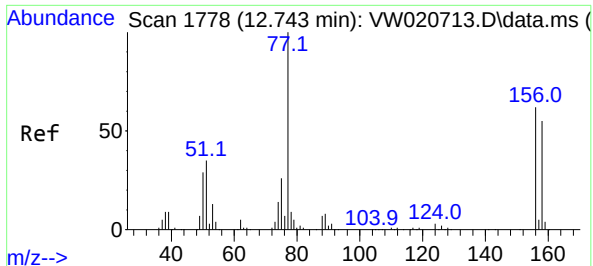
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#76
1,2,3-Trichloropropane
Concen: 2.305 ug/l m
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion:	75	Resp:	1454
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





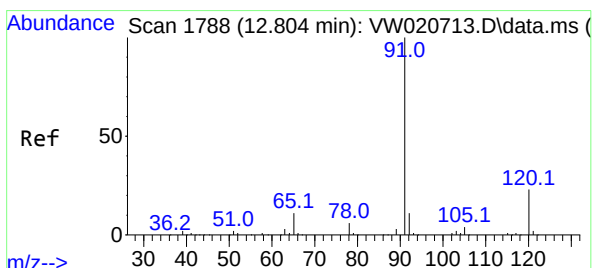
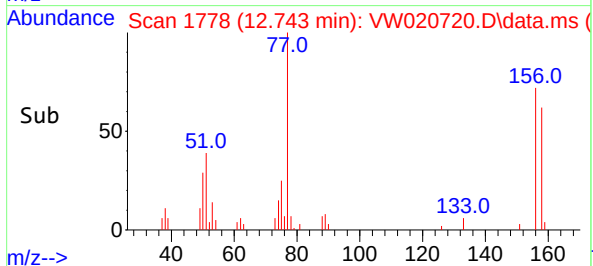
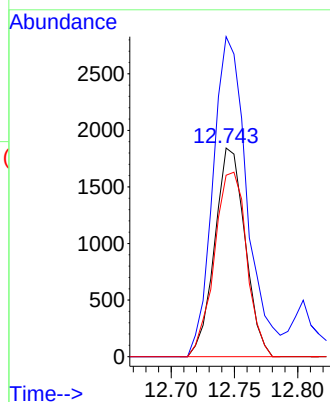
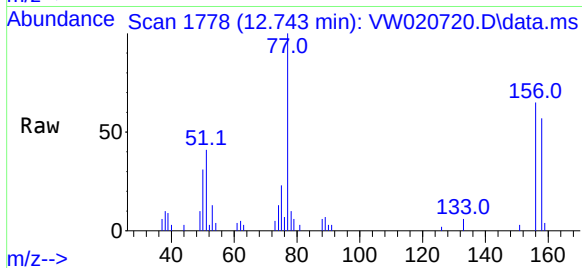
#77
Bromobenzene
Concen: 2.866 ug/l
RT: 12.743 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 156 Resp: 3081
Ion Ratio Lower Upper
156 100
77 171.8 91.0 273.0
158 94.1 46.7 140.1

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

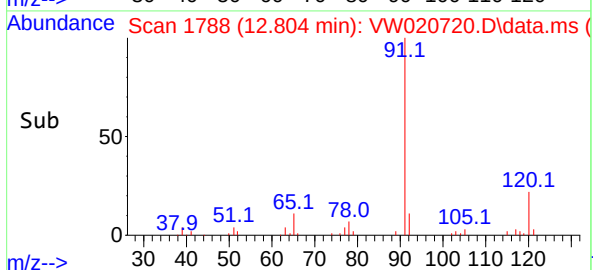
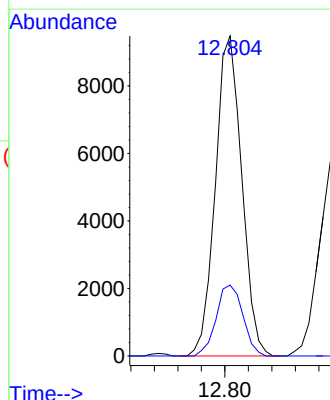
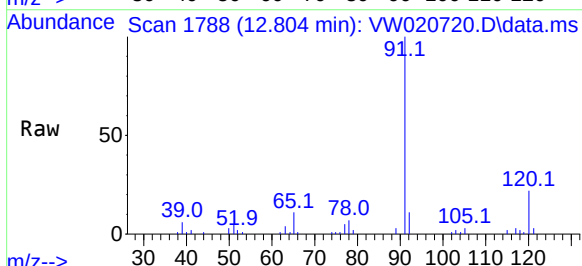
Manual Integrations
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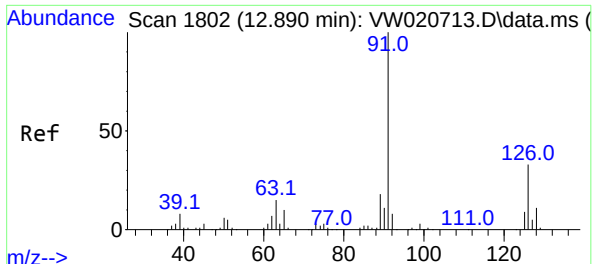
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#78
n-propylbenzene
Concen: 2.699 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 91 Resp: 14775
Ion Ratio Lower Upper
91 100
120 22.4 11.3 33.9





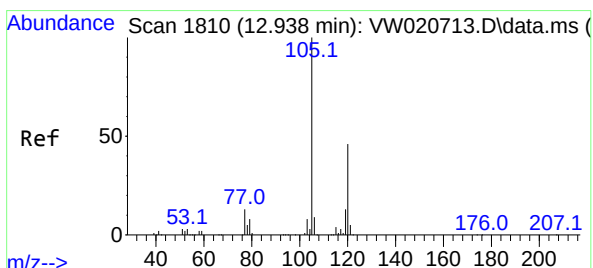
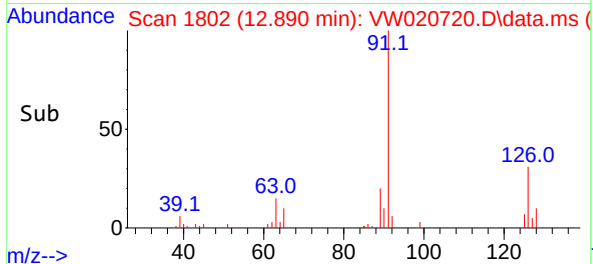
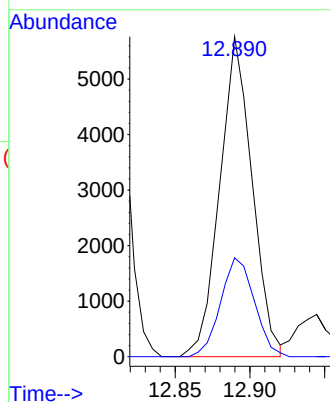
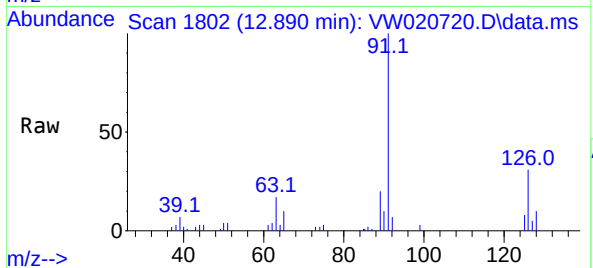
#79
2-Chlorotoluene
Concen: 2.751 ug/l
RT: 12.890 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 91 Resp: 8673
Ion Ratio Lower Upper
91 100
126 32.2 16.7 50.1

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

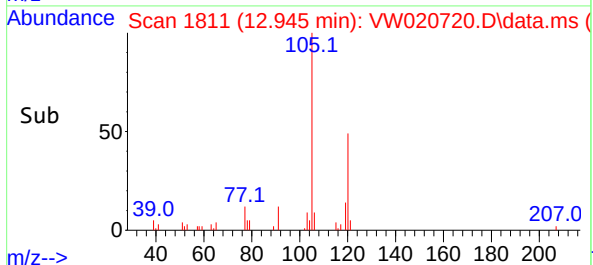
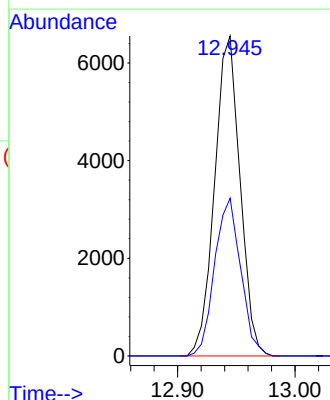
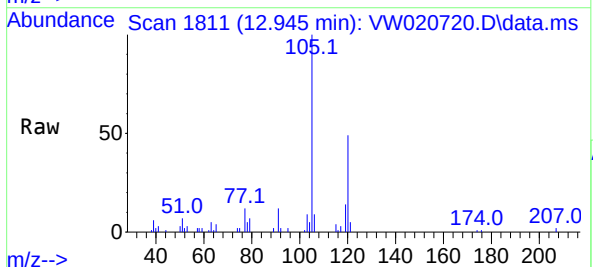
Manual Integrations
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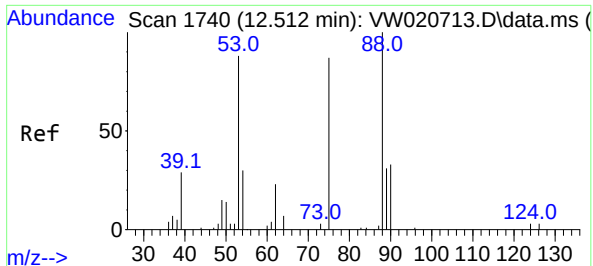
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#80
1,3,5-Trimethylbenzene
Concen: 2.555 ug/l
RT: 12.945 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

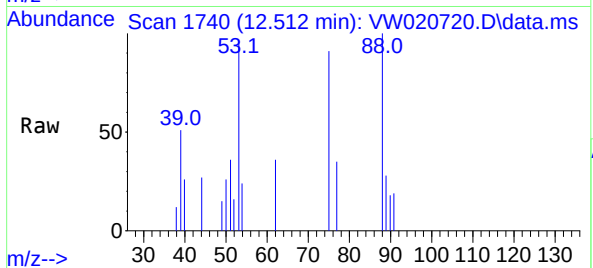
Tgt Ion: 105 Resp: 9873
Ion Ratio Lower Upper
105 100
120 50.5 24.0 72.0





#81
trans-1,4-Dichloro-2-butene
Concen: 2.309 ug/l m
RT: 12.512 min Scan# 1740
Delta R.T. -0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

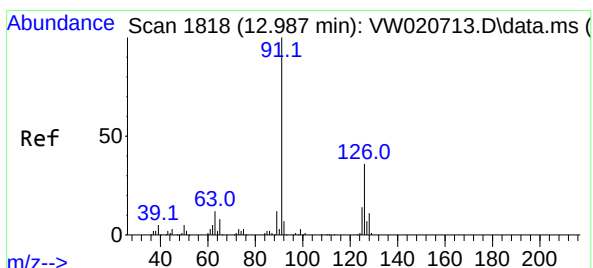
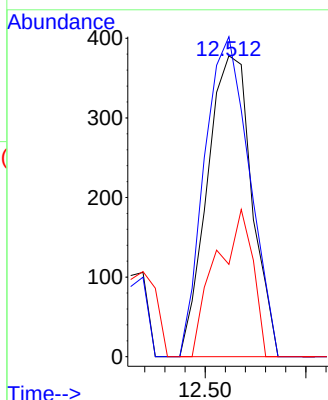
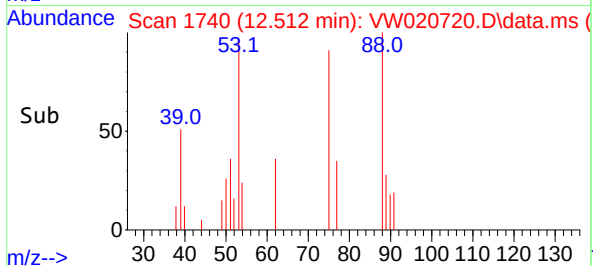
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



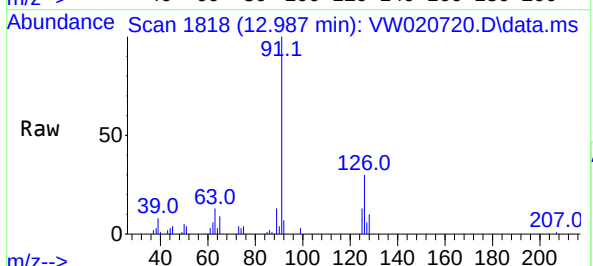
Tgt Ion: 75 Resp: 583
Ion Ratio Lower Upper
75 100
53 0.0 83.1 124.7#
89 0.0 35.1 52.7#

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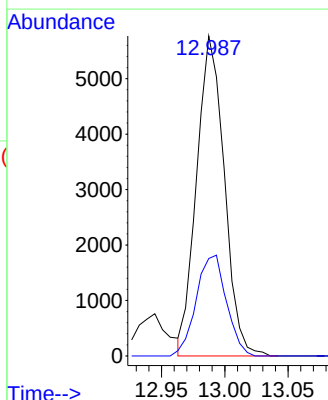
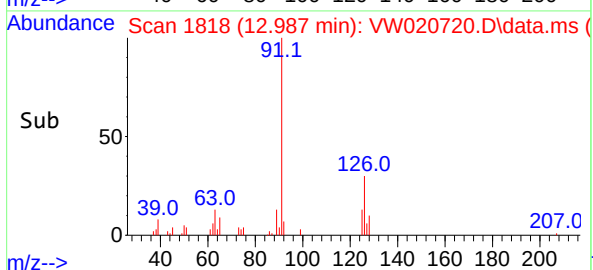
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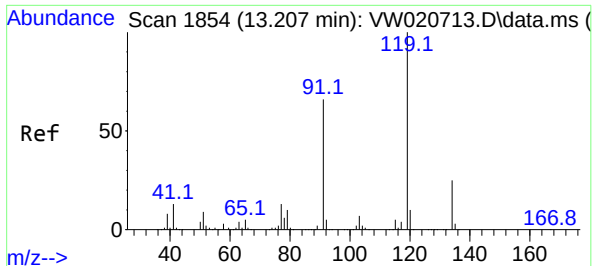


#82
4-Chlorotoluene
Concen: 2.627 ug/l
RT: 12.987 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

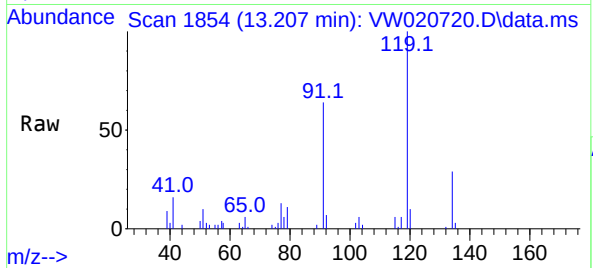


Tgt Ion: 91 Resp: 8791
Ion Ratio Lower Upper
91 100
126 34.4 17.0 51.0

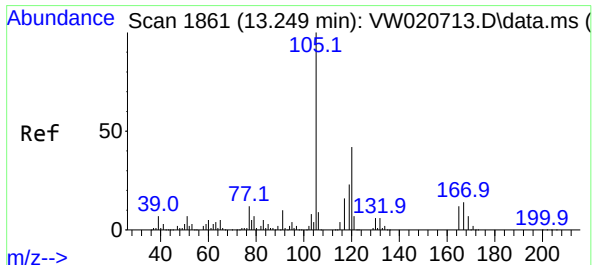
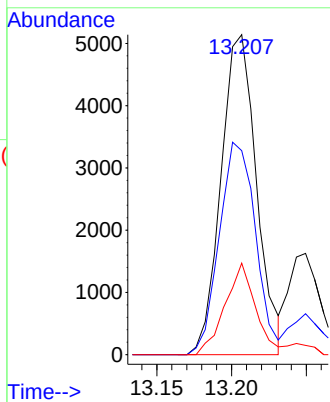
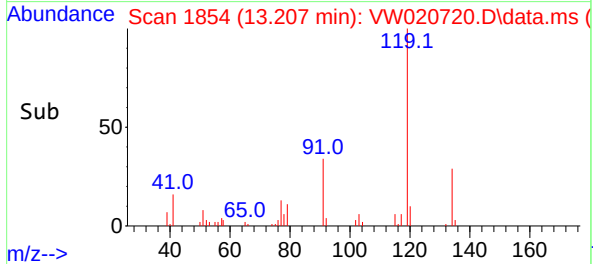




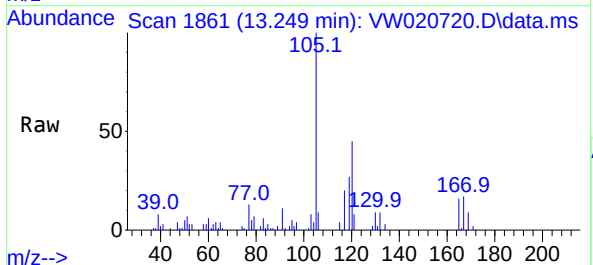
#83
tert-Butylbenzene
Concen: 2.590 ug/l
RT: 13.207 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



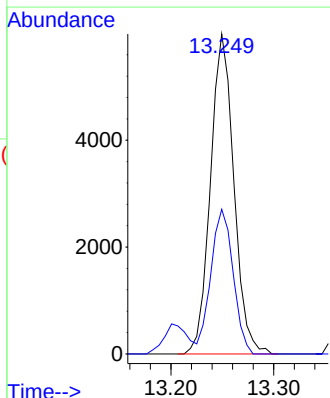
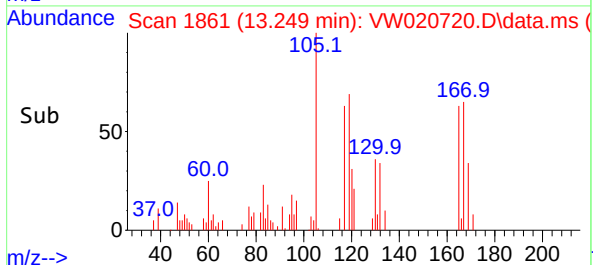
Tgt Ion:119 Resp: 8511
Ion Ratio Lower Upper
119 100
91 67.6 33.6 100.6
134 25.1 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 2.459 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



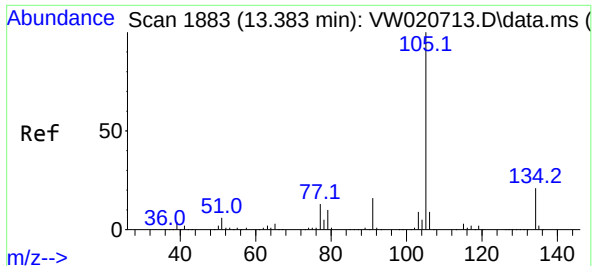
Tgt Ion:105 Resp: 9466
Ion Ratio Lower Upper
105 100
120 42.9 22.3 66.8



Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

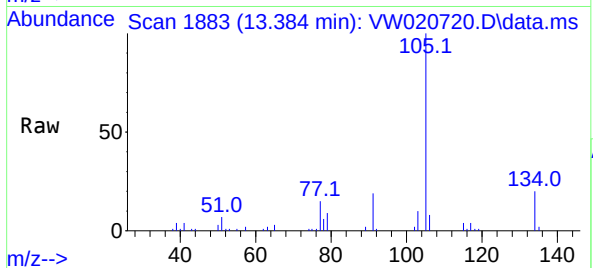
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#85
 sec-Butylbenzene
 Concen: 2.544 ug/l
 RT: 13.384 min Scan# 1883
 Delta R.T. 0.000 min
 Lab File: VW020720.D
 Acq: 28 Oct 2021 17:56

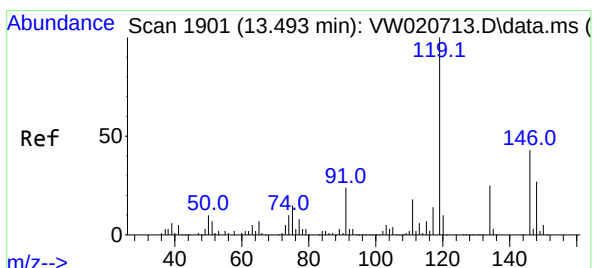
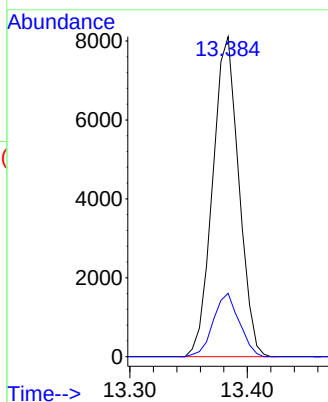
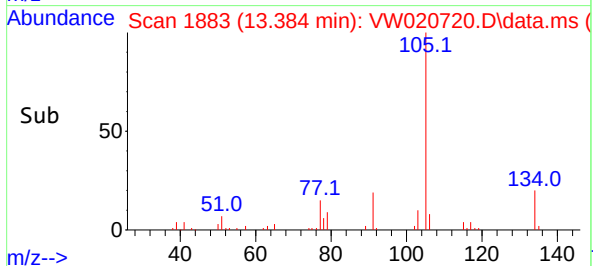
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021



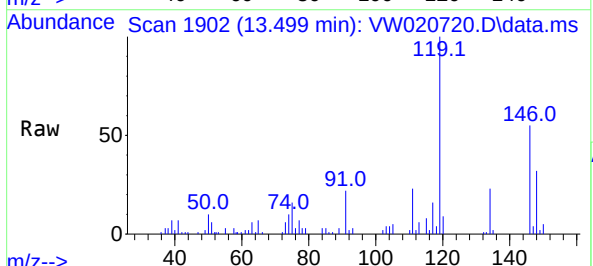
Tgt Ion:105 Resp: 12574
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.3 30.8

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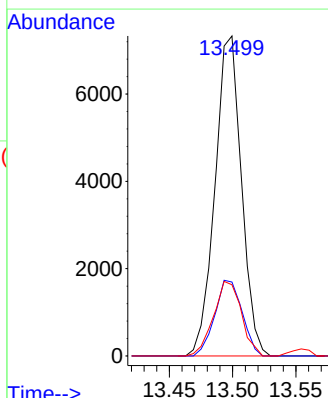
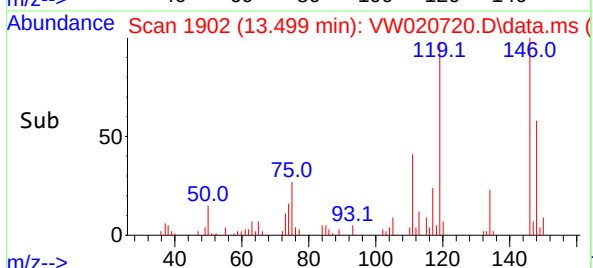
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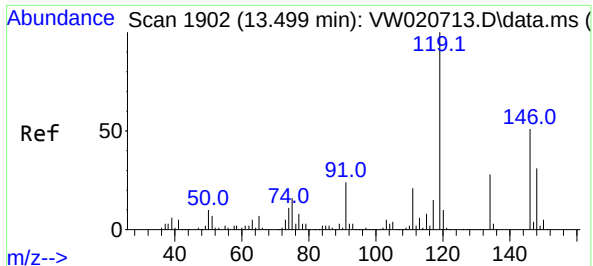


#86
 p-Isopropyltoluene
 Concen: 2.538 ug/l
 RT: 13.499 min Scan# 1902
 Delta R.T. 0.006 min
 Lab File: VW020720.D
 Acq: 28 Oct 2021 17:56



Tgt Ion:119 Resp: 10652
 Ion Ratio Lower Upper
 119 100
 134 24.4 13.1 39.1
 91 24.5 12.0 36.0





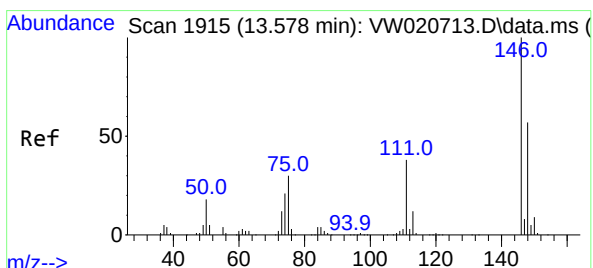
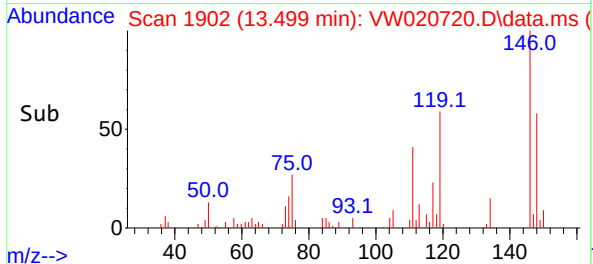
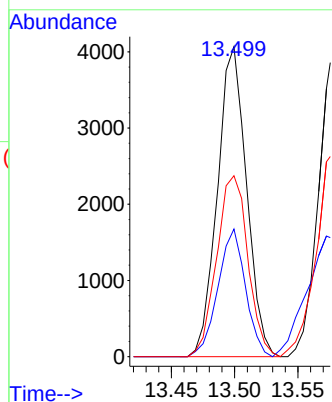
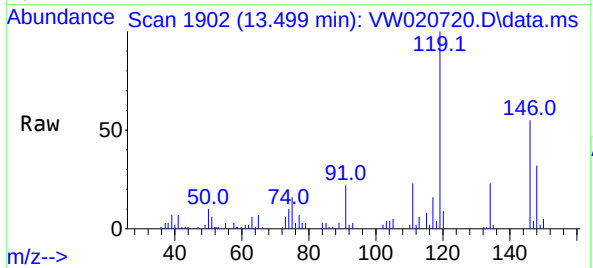
#87
1,3-Dichlorobenzene
Concen: 2.954 ug/l
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion:146	Resp:	6508	
Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.8	59.4
148	62.6	31.1	93.2

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

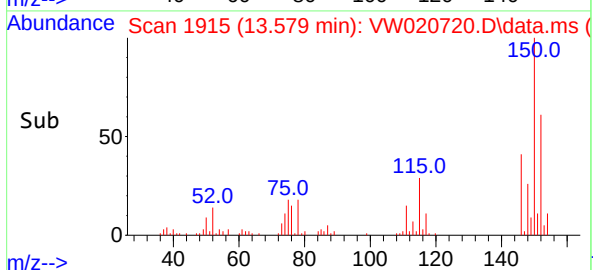
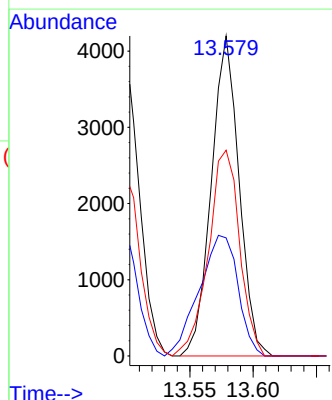
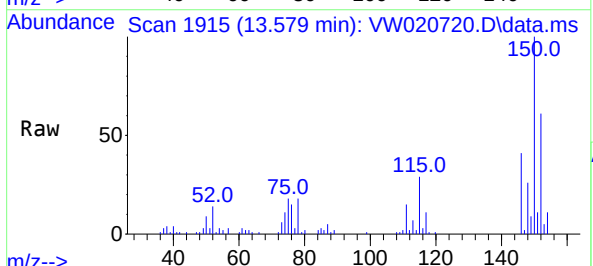
Manual Integrations
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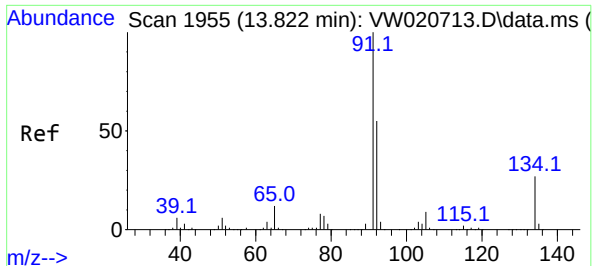
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#88
1,4-Dichlorobenzene
Concen: 2.911 ug/l
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

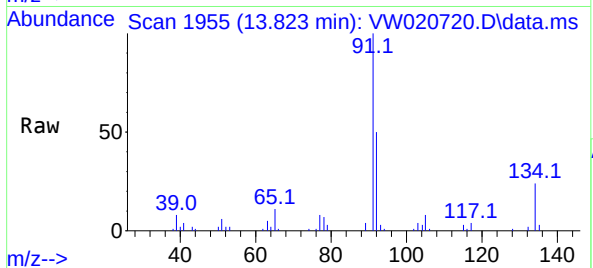
Tgt Ion:146	Resp:	6398	
Ion	Ratio	Lower	Upper
146	100		
111	52.7	19.7	59.0
148	72.3	30.8	92.3





#89
n-Butylbenzene
Concen: 2.564 ug/l
RT: 13.823 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

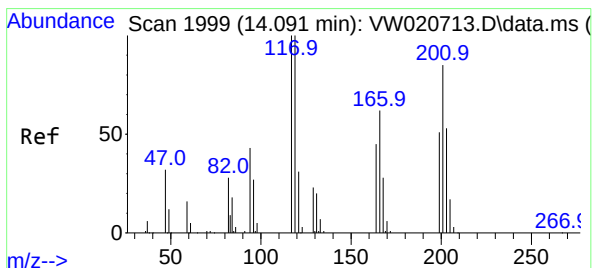
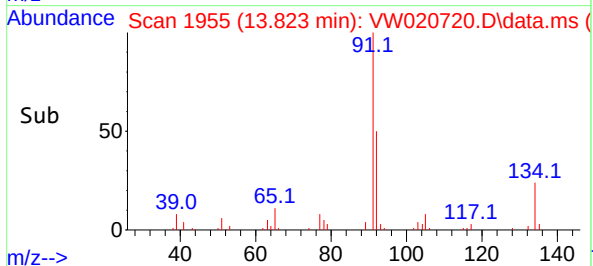
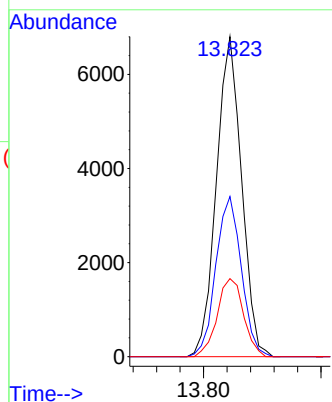


Tgt Ion: 91 Resp: 10114

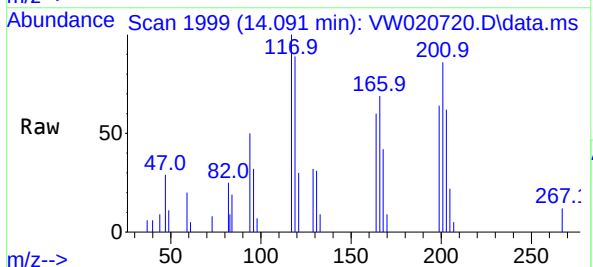
Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.8	80.3
134	25.5	13.1	39.3

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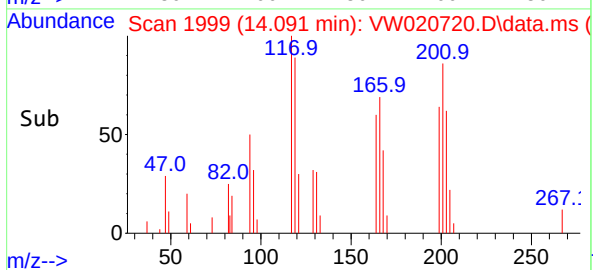
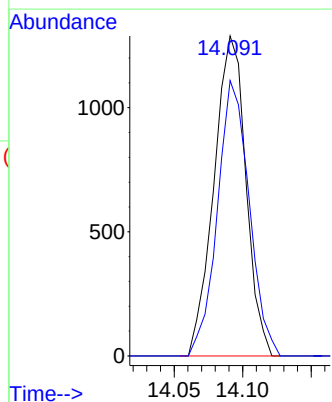


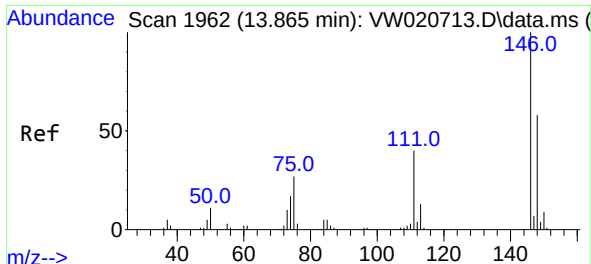
#90
Hexachloroethane
Concen: 2.729 ug/l
RT: 14.091 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



Tgt Ion: 117 Resp: 2085

Ion	Ratio	Lower	Upper
117	100		
201	85.7	42.4	127.1





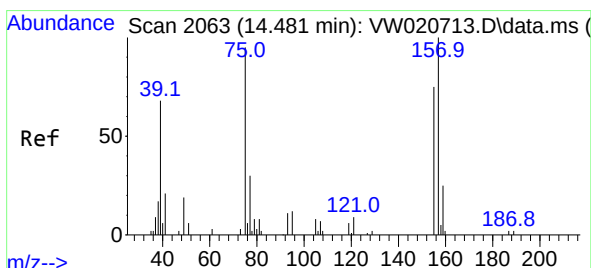
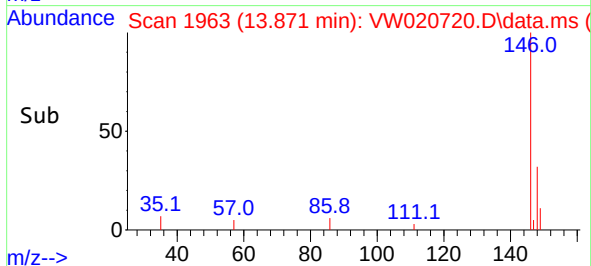
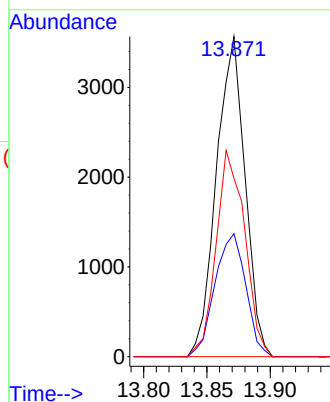
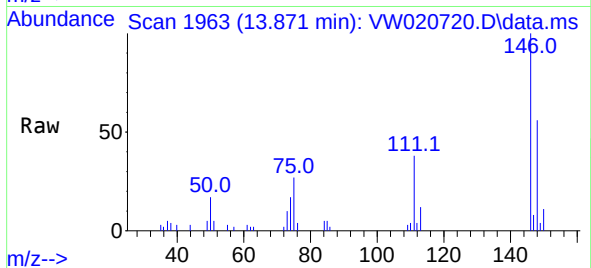
#91
1,2-Dichlorobenzene
Concen: 2.915 ug/l
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion: 146 Resp: 5623
Ion Ratio Lower Upper
146 100
111 41.4 20.4 61.3
148 64.5 30.7 92.1

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

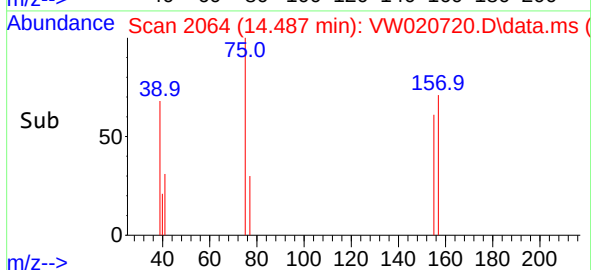
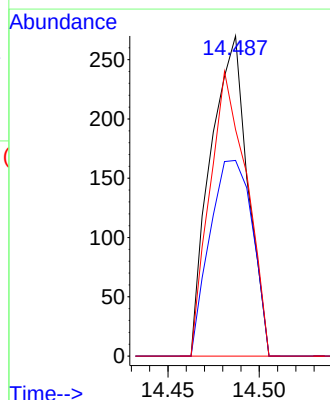
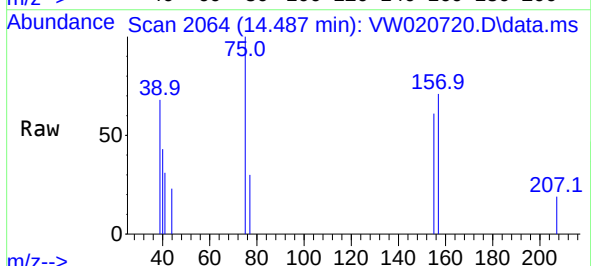
Manual Integrations
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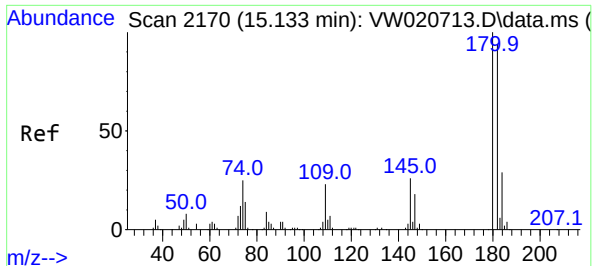
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#92
1,2-Dibromo-3-Chloropropane
Concen: 2.728 ug/l
RT: 14.487 min Scan# 2064
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

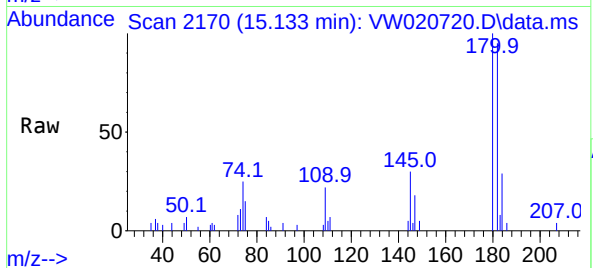
Tgt Ion: 75 Resp: 381
Ion Ratio Lower Upper
75 100
155 70.6 42.4 127.1
157 88.7 55.9 167.7





#93
1,2,4-Trichlorobenzene
Concen: 2.796 ug/l
RT: 15.133 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

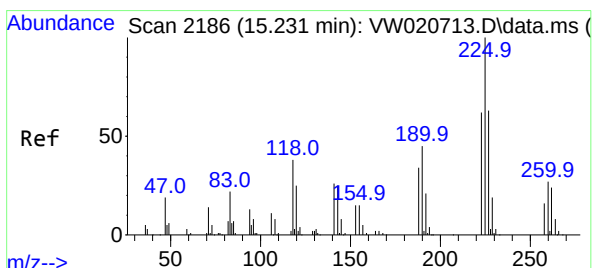
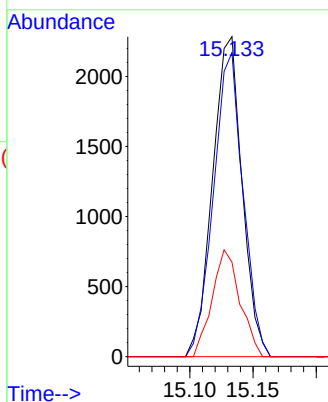
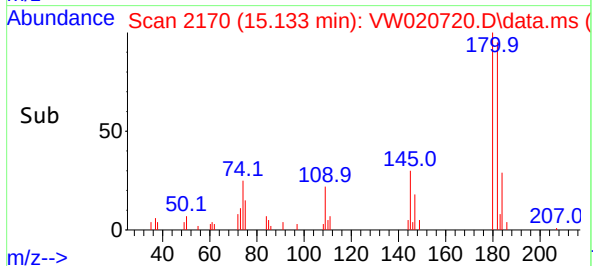
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



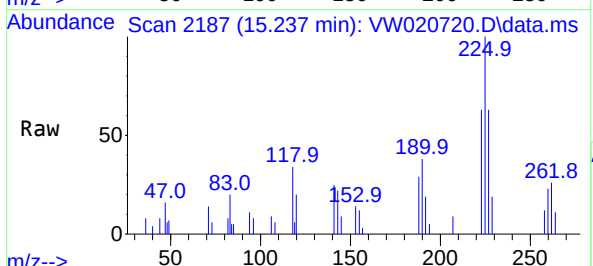
Tgt Ion:180 Resp: 3700
Ion Ratio Lower Upper
180 100
182 95.0 47.9 143.8
145 31.6 14.8 44.4

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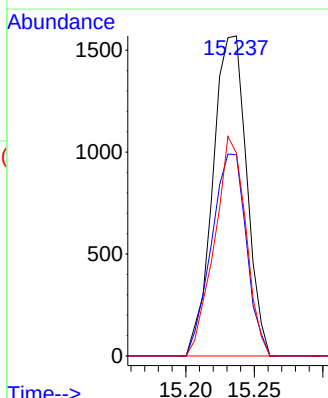
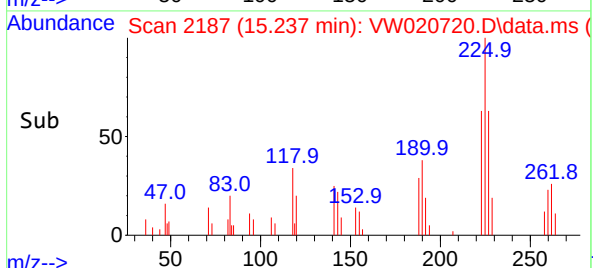
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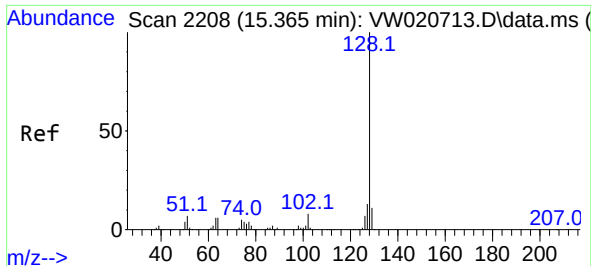


#94
Hexachlorobutadiene
Concen: 3.146 ug/l
RT: 15.237 min Scan# 2187
Delta R.T. 0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56



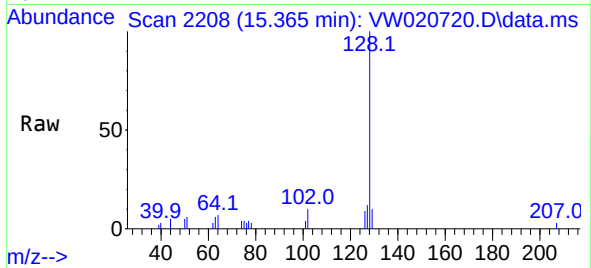
Tgt Ion:225 Resp: 2690
Ion Ratio Lower Upper
225 100
223 65.0 31.6 95.0
227 63.5 31.9 95.7





#95
Naphthalene
Concen: 2.448 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

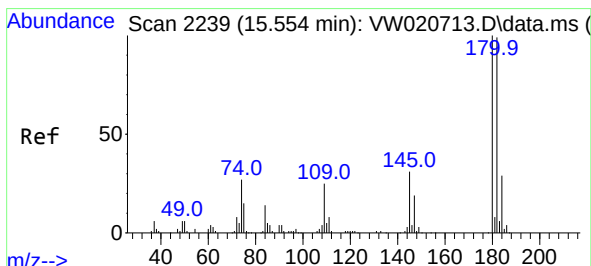
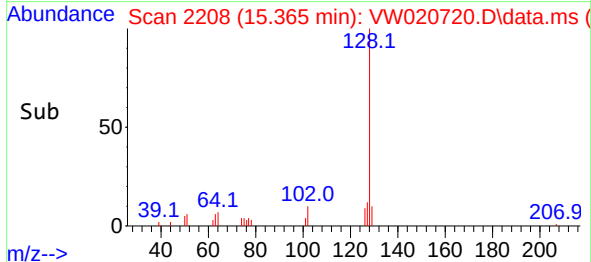
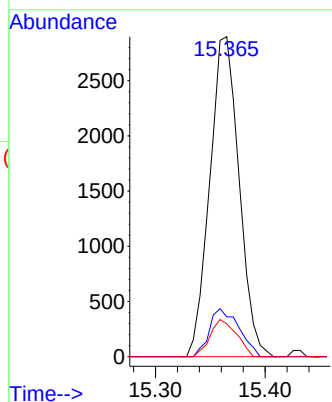
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:128 Resp: 5387
Ion Ratio Lower Upper
128 100
127 15.1 10.6 16.0
129 10.5 8.6 12.8

Manual Integrations
APPROVED

MMDadoda
10/29/2021 4:39:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.756 ug/l
RT: 15.548 min Scan# 2238
Delta R.T. -0.006 min
Lab File: VW020720.D
Acq: 28 Oct 2021 17:56

Tgt Ion:180 Resp: 3275
Ion Ratio Lower Upper
180 100
182 100.9 48.5 145.5
145 31.9 15.7 47.1

