

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032522\
 Data File : VD072434.D
 Acq On : 25 Mar 2022 17:38
 Operator : VA/SY
 Sample : N1645-03 2.5PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 26 00:13:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	370539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	621013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	574950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	289641	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	223277	54.069	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.140%	
35) Dibromofluoromethane	7.909	113	212664	48.663	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.320%	
50) Toluene-d8	10.332	98	761489	47.654	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.300%	
62) 4-Bromofluorobenzene	12.620	95	290969	46.864	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.720%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.985	85	6444	1.880	ug/l	84
3) Chloromethane	2.209	50	6768	2.222	ug/l	99
4) Vinyl Chloride	2.344	62	6614	2.250	ug/l	100
5) Bromomethane	2.774	94	5858	3.060	ug/l	98
6) Chloroethane	2.921	64	5515	2.837	ug/l #	85
7) Trichlorofluoromethane	3.273	101	14755	2.223	ug/l	94
8) Diethyl Ether	3.715	74	5061	2.760	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.103	101	9363	2.212	ug/l	96
10) Methyl Iodide	4.309	142	5527	3.619	ug/l #	90
11) Tert butyl alcohol	5.232	59	5010	20.925	ug/l #	74
12) 1,1-Dichloroethene	4.073	96	7426	2.181	ug/l #	85
13) Acrolein	3.926	56	2602	12.179	ug/l #	71
14) Allyl chloride	4.715	41	15026	2.524	ug/l #	62
15) Acrylonitrile	5.420	53	15348	16.590	ug/l	98
16) Acetone	4.156	43	14536	16.213	ug/l	97
17) Carbon Disulfide	4.409	76	9707	2.686	ug/l #	92
18) Methyl Acetate	4.726	43	8790	4.001	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	27040	2.921	ug/l	93
20) Methylene Chloride	4.973	84	22267	Below Cal	#	77
21) trans-1,2-Dichloroethene	5.473	96	8070	2.142	ug/l #	83
22) Diisopropyl ether	6.373	45	37474	2.759	ug/l #	83
23) Vinyl Acetate	6.303	43	91120	13.146	ug/l #	93
24) 1,1-Dichloroethane	6.256	63	21152	2.641	ug/l	94
25) 2-Butanone	7.214	43	19456	16.275	ug/l #	88
26) 2,2-Dichloropropane	7.203	77	16946	2.345	ug/l	95
27) cis-1,2-Dichloroethene	7.209	96	12056	2.507	ug/l	94
28) Bromochloromethane	7.544	49	7872	2.441	ug/l #	91
29) Tetrahydrofuran	7.561	42	11817	16.811	ug/l	98
30) Chloroform	7.703	83	25243	2.958	ug/l	98
31) Cyclohexane	7.979	56	20178	3.128	ug/l #	41
32) 1,1,1-Trichloroethane	7.897	97	18882	2.492	ug/l	98
36) 1,1-Dichloropropene	8.109	75	12930	2.109	ug/l	97
37) Ethyl Acetate	7.297	43	8685	3.234	ug/l #	94
38) Carbon Tetrachloride	8.091	117	13829	1.984	ug/l	99
39) Methylcyclohexane	9.350	83	12247	1.775	ug/l #	83
40) Benzene	8.344	78	50458	2.885	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.556	41	12946	8.271	ug/l #	27
42) 1,2-Dichloroethane	8.420	62	14796	2.789	ug/l	93
43) Isopropyl Acetate	8.444	43	15922	3.055	ug/l #	93
44) Trichloroethene	9.108	130	10583	2.155	ug/l	86
45) 1,2-Dichloropropane	9.391	63	12309	2.566	ug/l #	84
46) Dibromomethane	9.467	93	6154	2.608	ug/l	89
47) Bromodichloromethane	9.656	83	17854	2.596	ug/l #	89
48) Methyl methacrylate	9.450	41	7447	2.992	ug/l	92
49) 1,4-Dioxane	9.456	88	1942	68.634	ug/l	90
51) 4-Methyl-2-Pentanone	10.220	43	42455	15.508	ug/l	100
52) Toluene	10.397	92	27676	2.405	ug/l	94
53) t-1,3-Dichloropropene	10.614	75	16045	2.553	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	18098	2.491	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	10632	2.958	ug/l	90
56) Ethyl methacrylate	10.650	69	11565	2.747	ug/l	95
57) 1,3-Dichloropropane	10.944	76	16567	2.746	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	20048	10.591	ug/l	96
59) 2-Hexanone	10.979	43	27723	14.662	ug/l	96
60) Dibromochloromethane	11.126	129	12332	2.644	ug/l	96
61) 1,2-Dibromoethane	11.238	107	8802	2.710	ug/l	97
64) Tetrachloroethene	10.867	164	9777	2.413	ug/l	87
65) Chlorobenzene	11.667	112	31970	2.508	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	12473	2.475	ug/l	93
67) Ethyl Benzene	11.738	91	60090	2.640	ug/l	98
68) m/p-Xylenes	11.844	106	35430	4.099	ug/l	94
69) o-Xylene	12.173	106	17780	2.150	ug/l	97
70) Styrene	12.191	104	32877	2.277	ug/l	98
71) Bromoform	12.355	173	7866	2.921	ug/l #	99
73) Isopropylbenzene	12.467	105	54119	2.358	ug/l	98
74) N-amyl acetate	12.279	43	14456	2.931	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	13593	3.311	ug/l	93
76) 1,2,3-Trichloropropane	12.773	75	15731	4.924	ug/l #	100
77) Bromobenzene	12.749	156	13313	2.577	ug/l	97
78) n-propylbenzene	12.814	91	65464	2.348	ug/l	98
79) 2-Chlorotoluene	12.897	91	38396	2.382	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	47991	2.434	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.626	75	152670	118.557	ug/l #	7
82) 4-Chlorotoluene	12.997	91	41137	2.464	ug/l	95
83) tert-Butylbenzene	13.208	119	37075	2.145	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	52226	2.688	ug/l	99
85) sec-Butylbenzene	13.391	105	54584	2.103	ug/l	97
86) p-Isopropyltoluene	13.508	119	45622	2.136	ug/l	96
87) 1,3-Dichlorobenzene	13.502	146	24925	2.302	ug/l	96
88) 1,4-Dichlorobenzene	13.579	146	27406	2.553	ug/l	87
89) n-Butylbenzene	13.832	91	47207	2.318	ug/l	97
90) Hexachloroethane	14.102	117	10414	2.487	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	24483	2.594	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	2515	3.839	ug/l	90
93) 1,2,4-Trichlorobenzene	15.149	180	15231	2.437	ug/l	90
94) Hexachlorobutadiene	15.249	225	7689	2.115	ug/l	96
95) Naphthalene	15.385	128	167489	15.547	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	13515	2.498	ug/l	99

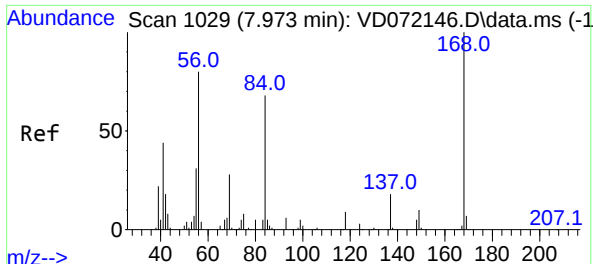
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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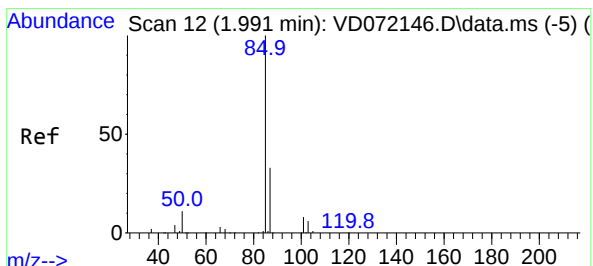
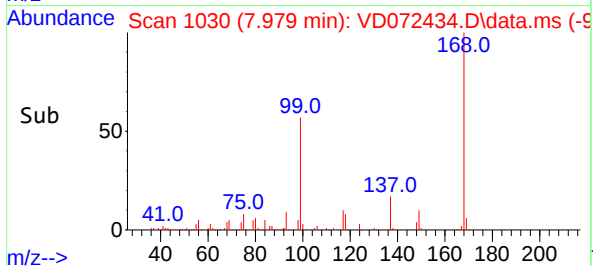
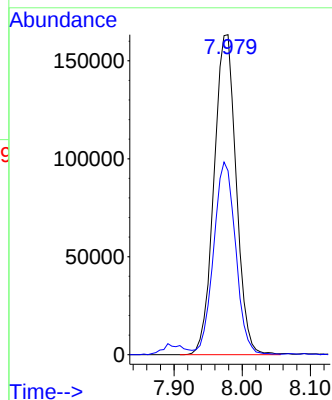
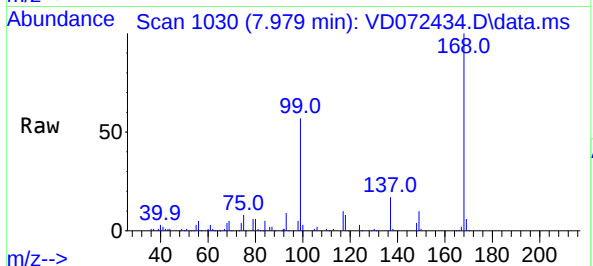
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

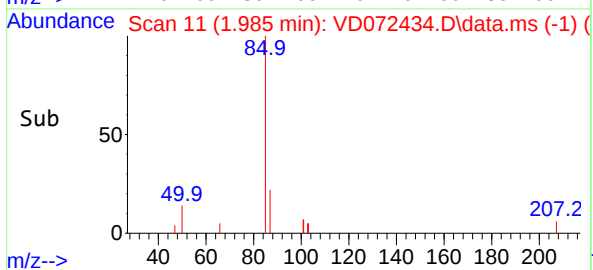
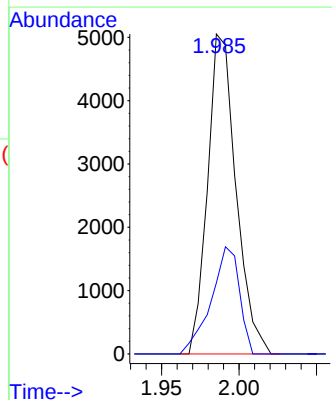
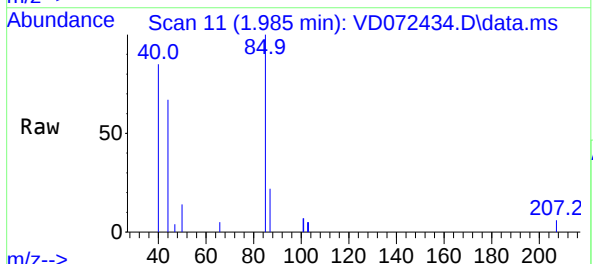
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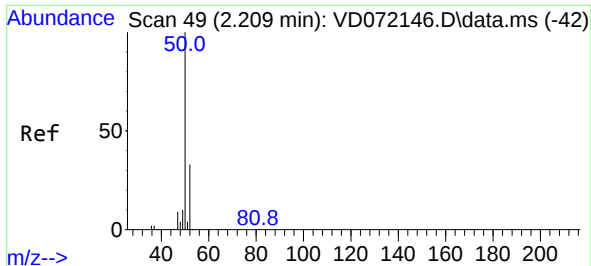
Tgt Ion:168 Resp: 370539
Ion Ratio Lower Upper
168 100
99 57.3 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 1.880 ug/l
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 85 Resp: 6444
Ion Ratio Lower Upper
85 100
87 22.2 15.7 47.0

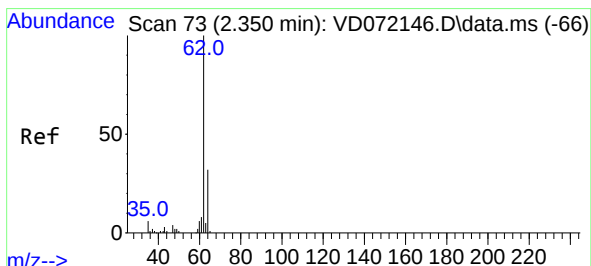
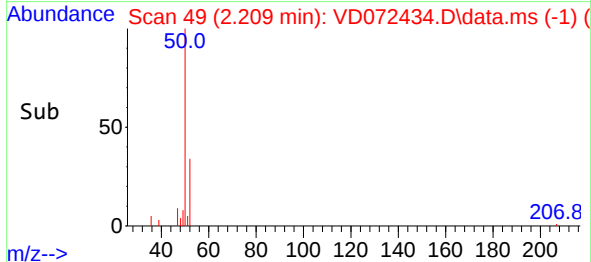
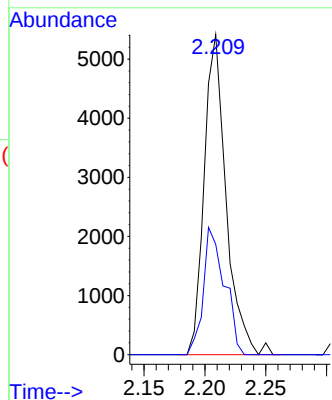
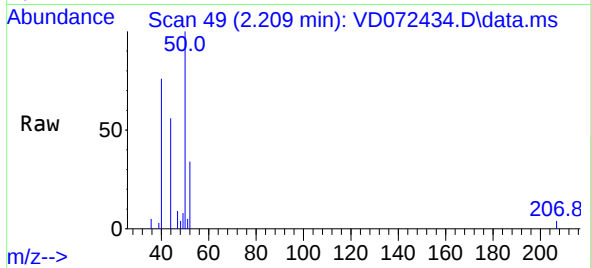




#3
Chloromethane
Concen: 2.222 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

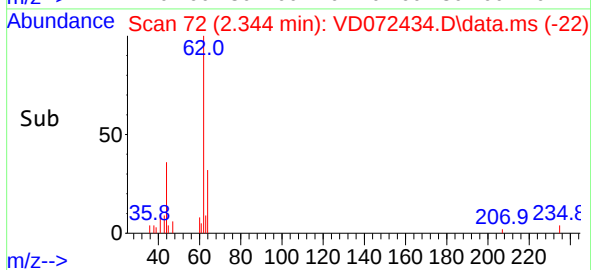
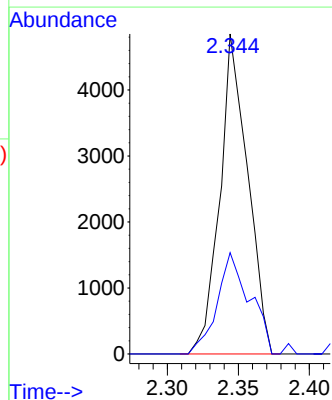
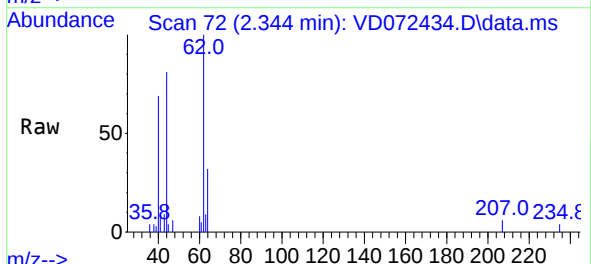
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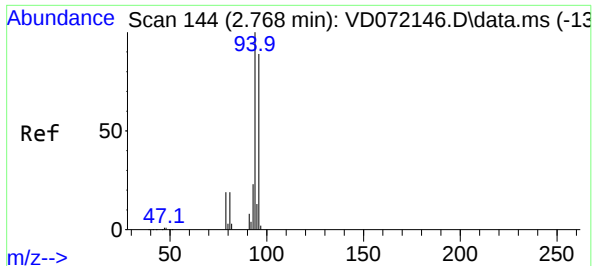
Tgt Ion: 50 Resp: 6768
Ion Ratio Lower Upper
50 100
52 34.5 27.4 41.0



#4
Vinyl Chloride
Concen: 2.250 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 62 Resp: 6614
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0

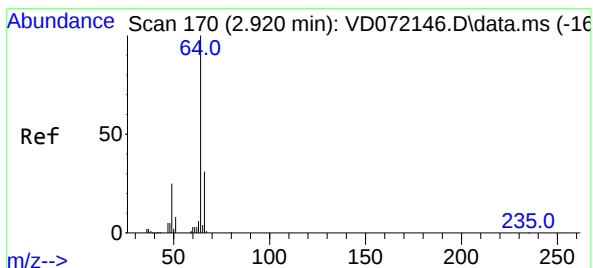
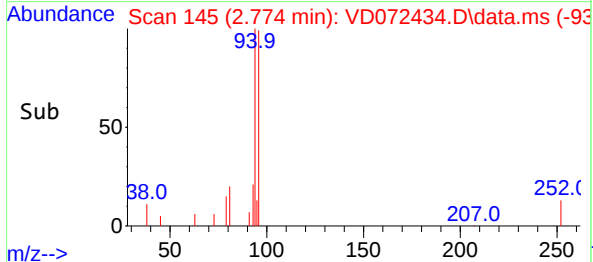
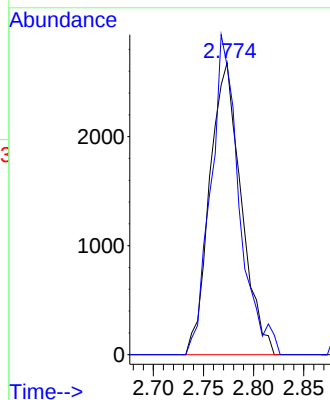
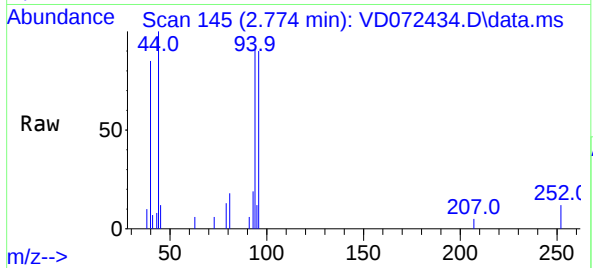




#5
Bromomethane
Concen: 3.060 ug/l
RT: 2.774 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

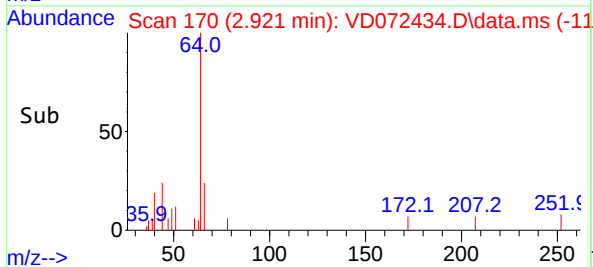
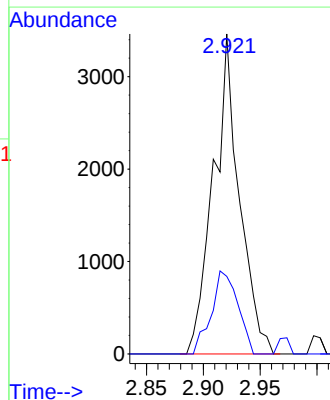
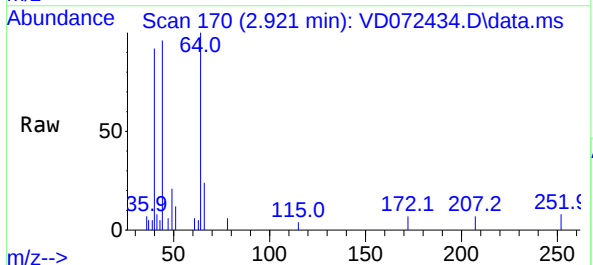
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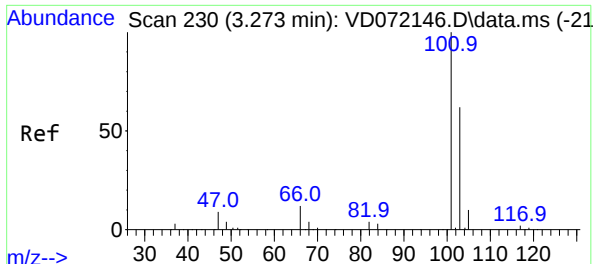
Tgt Ion: 94 Resp: 5858
Ion Ratio Lower Upper
94 100
96 99.1 77.6 116.4



#6
Chloroethane
Concen: 2.837 ug/l
RT: 2.921 min Scan# 170
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 64 Resp: 5515
Ion Ratio Lower Upper
64 100
66 24.2 25.9 38.9#

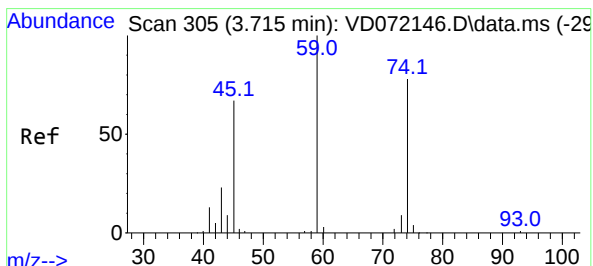
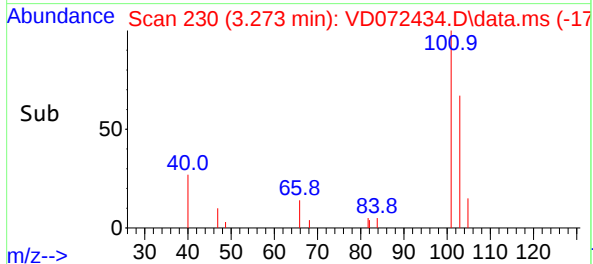
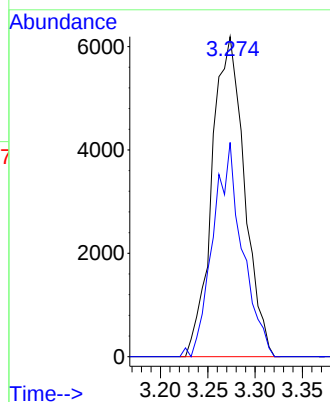
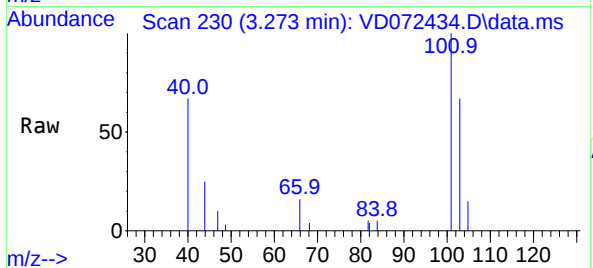




#7
Trichlorofluoromethane
Concen: 2.223 ug/l
RT: 3.273 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

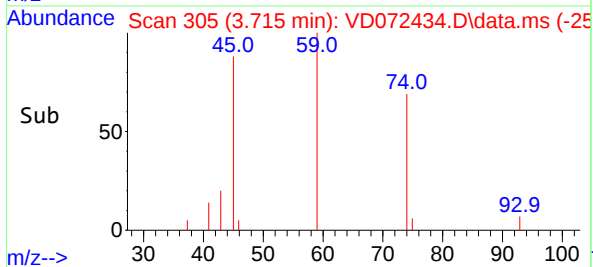
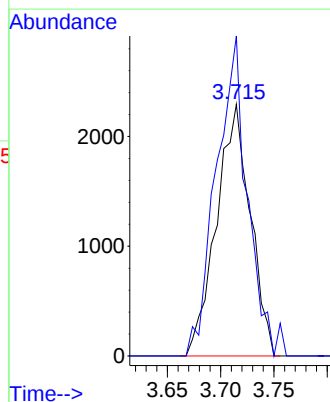
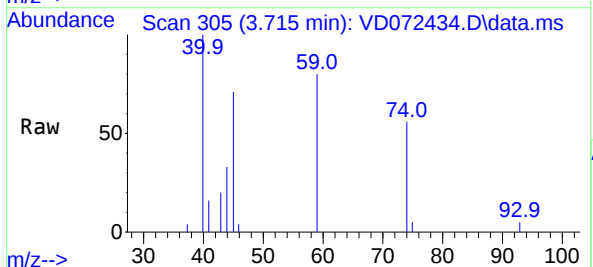
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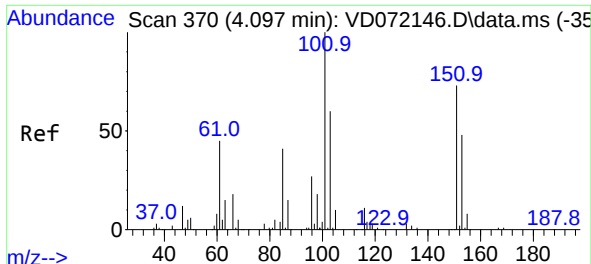
Tgt Ion:101 Resp: 14755
Ion Ratio Lower Upper
101 100
103 67.0 50.1 75.1



#8
Diethyl Ether
Concen: 2.760 ug/l
RT: 3.715 min Scan# 305
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 74 Resp: 5061
Ion Ratio Lower Upper
74 100
45 117.9 52.6 157.8

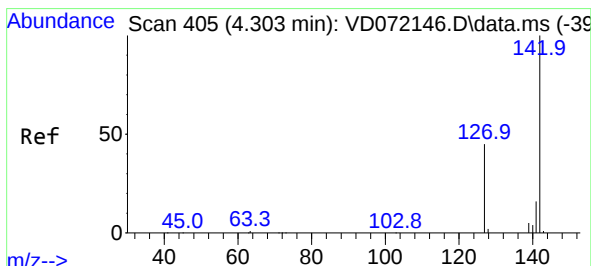
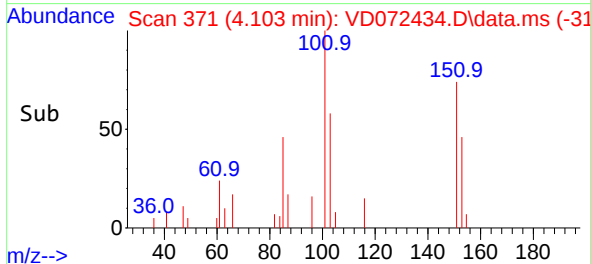
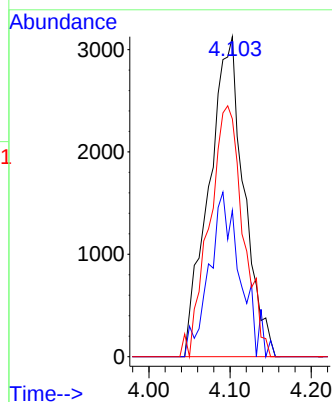
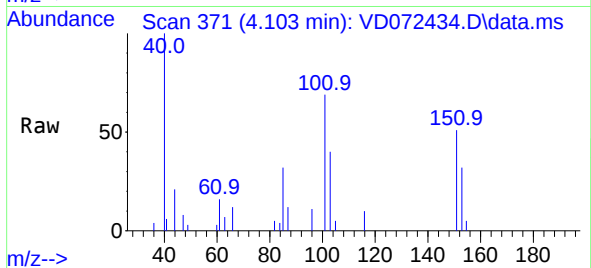




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.212 ug/l
RT: 4.103 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

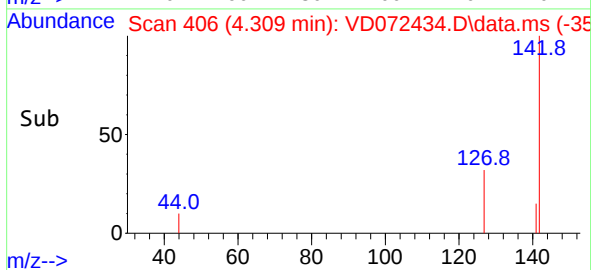
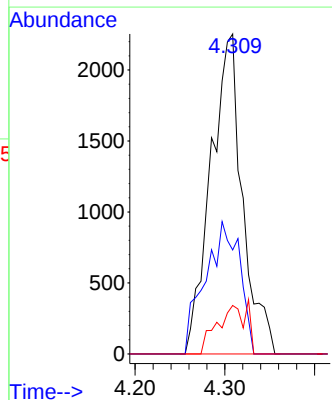
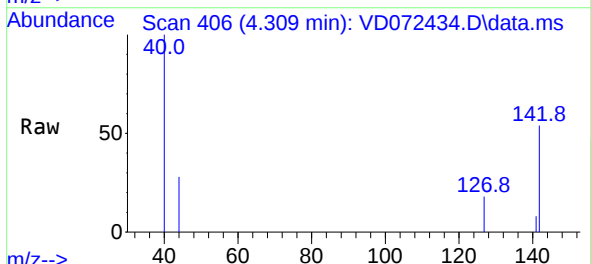
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:101 Resp: 9363
Ion Ratio Lower Upper
101 100
85 45.8 36.4 54.6
151 76.4 57.3 85.9



#10
Methyl Iodide
Concen: 3.619 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:142 Resp: 5527
Ion Ratio Lower Upper
142 100
127 45.1 37.3 55.9
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 20.925 ug/l

RT: 5.232 min Scan# 5

Delta R.T. 0.024 min

Lab File: VD072434.D

Acq: 25 Mar 2022 17:38

Instrument :

MSVOA_D

ClientSampleId :

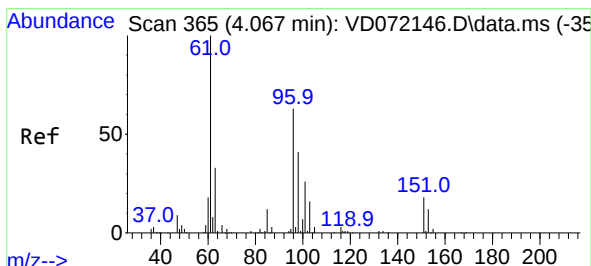
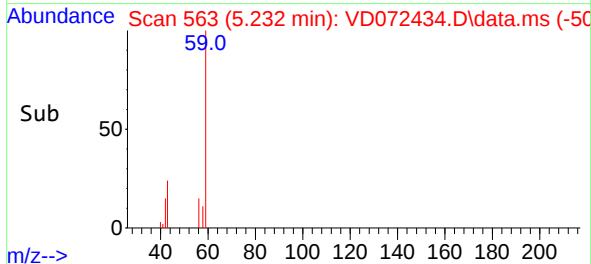
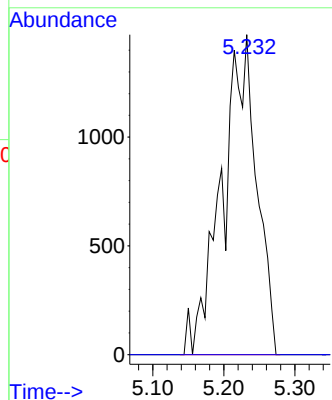
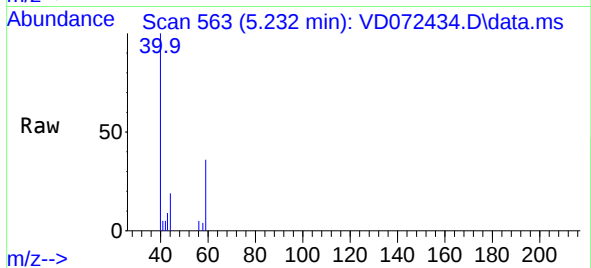
MDL-SOIL-03-QT1-2022

Tgt Ion: 59 Resp: 5010

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#12

1,1-Dichloroethene

Concen: 2.181 ug/l

RT: 4.073 min Scan# 366

Delta R.T. 0.006 min

Lab File: VD072434.D

Acq: 25 Mar 2022 17:38

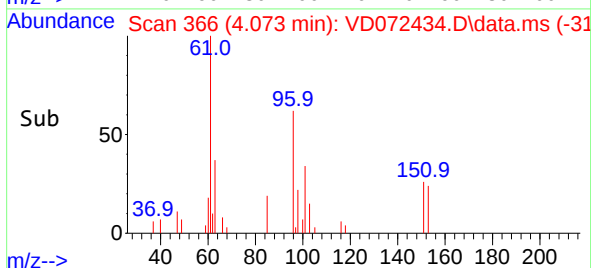
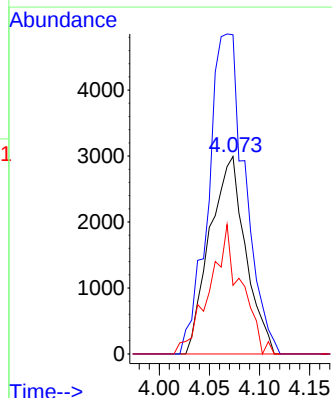
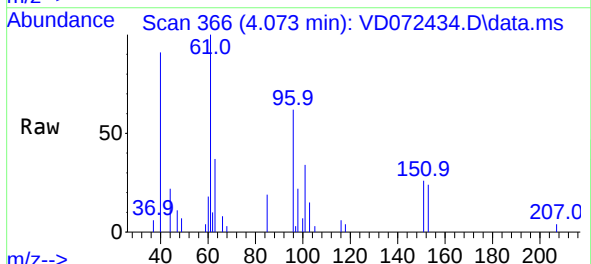
Tgt Ion: 96 Resp: 7426

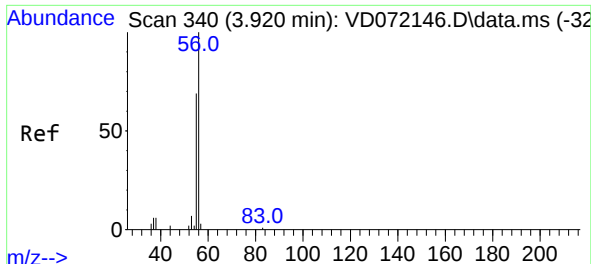
Ion Ratio Lower Upper

96 100

61 161.7 138.5 207.7

98 34.8 48.6 73.0#

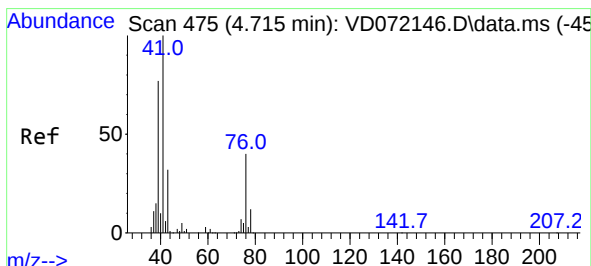
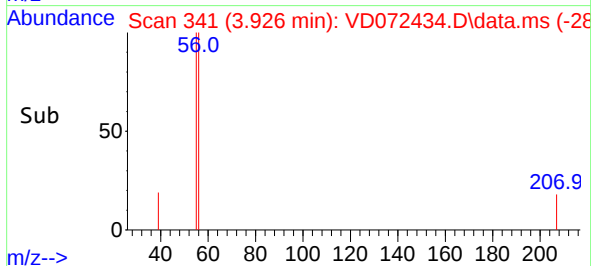
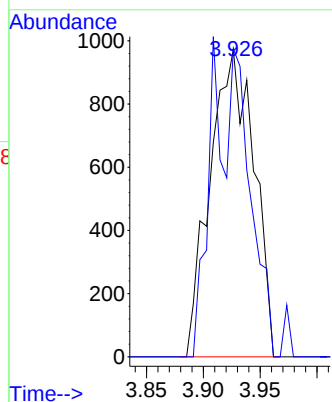
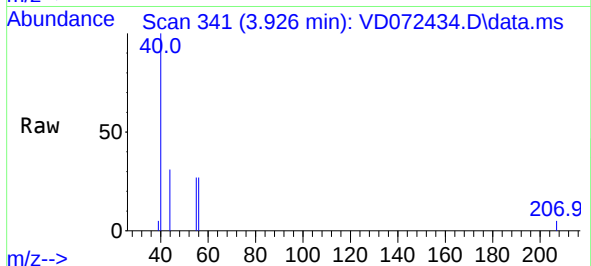




#13
Acrolein
Concen: 12.179 ug/l
RT: 3.926 min Scan# 340
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

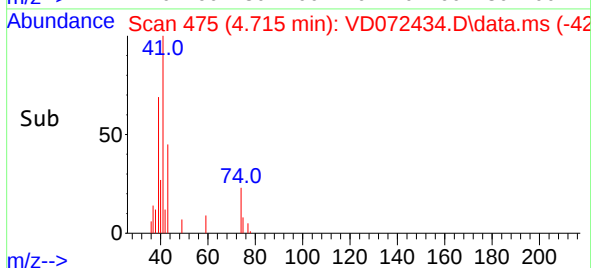
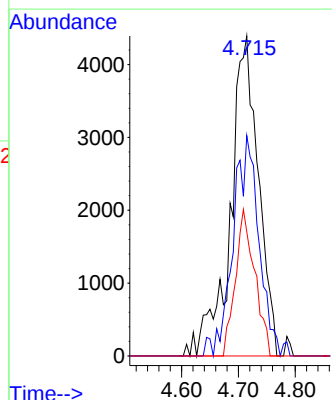
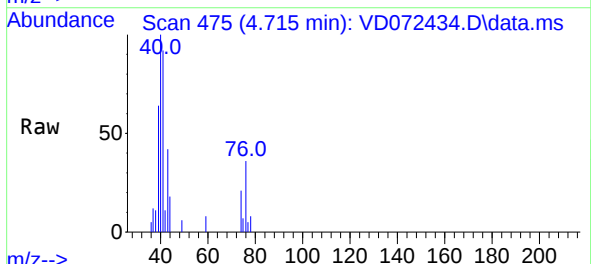
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

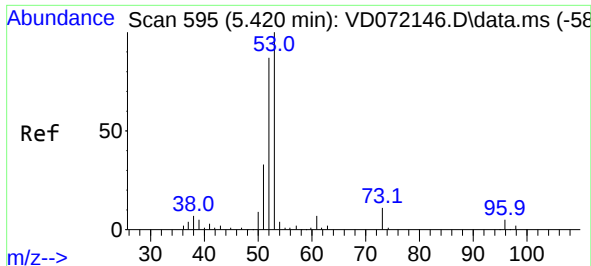
Tgt Ion: 56 Resp: 2602
Ion Ratio Lower Upper
56 100
55 47.5 57.1 85.7#



#14
Allyl chloride
Concen: 2.524 ug/l
RT: 4.715 min Scan# 475
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 41 Resp: 15026
Ion Ratio Lower Upper
41 100
39 28.5 59.3 88.9#
76 31.6 25.7 38.5

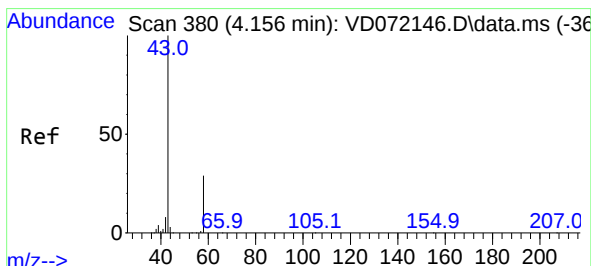
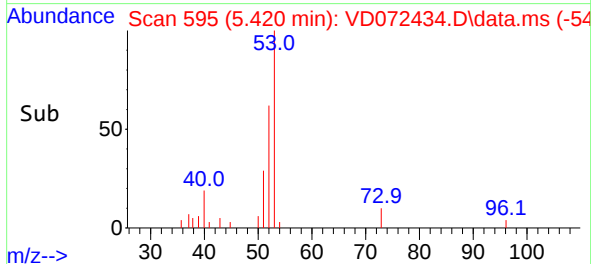
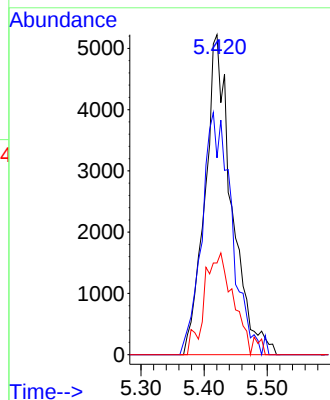
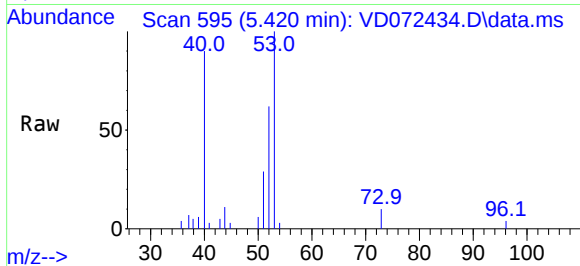




#15
Acrylonitrile
Concen: 16.590 ug/l
RT: 5.420 min Scan# 595
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

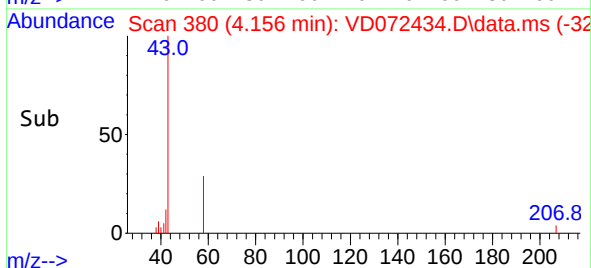
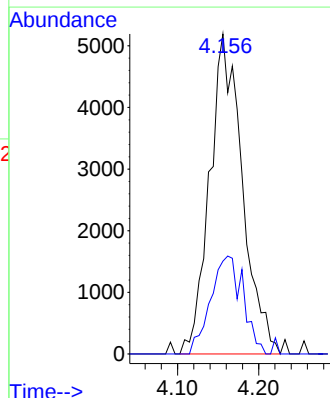
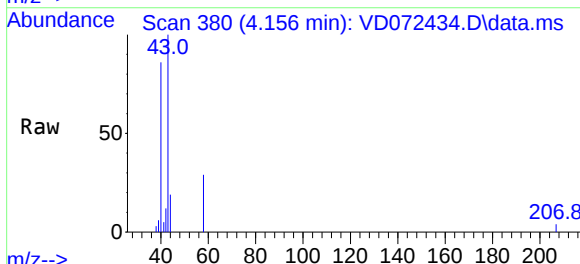
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

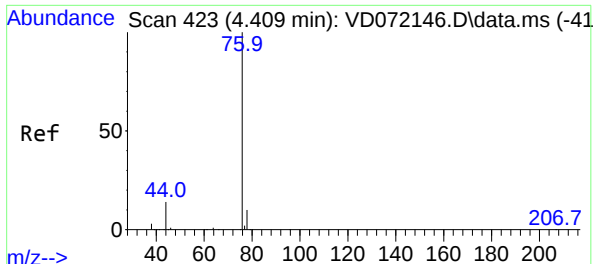
Tgt Ion:	53	Resp:	15348
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.2	100.8
51	33.8	30.3	45.5



#16
Acetone
Concen: 16.213 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:	43	Resp:	14536
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.1	33.1

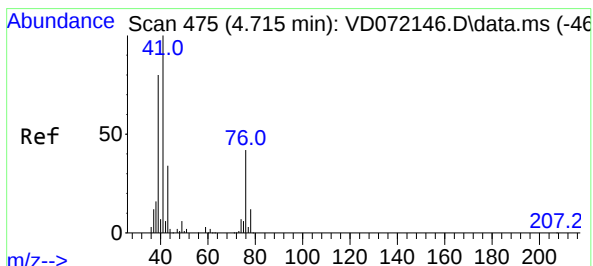
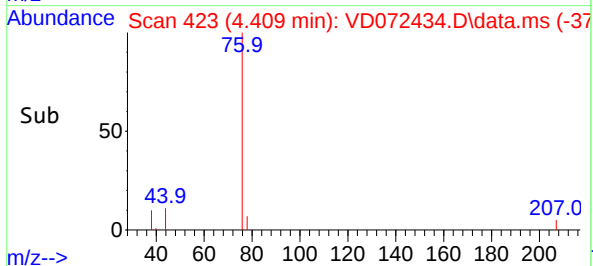
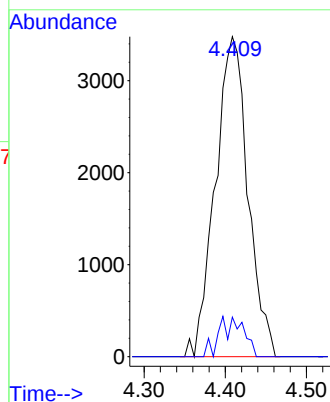
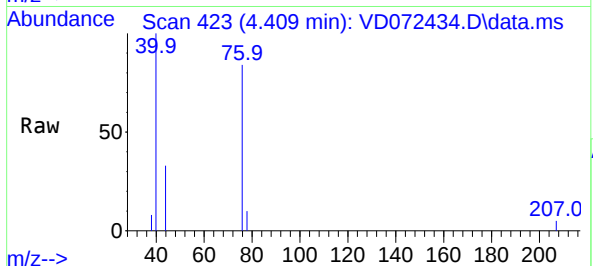




#17
Carbon Disulfide
Concen: 2.686 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

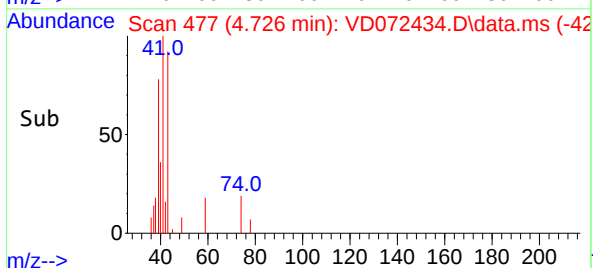
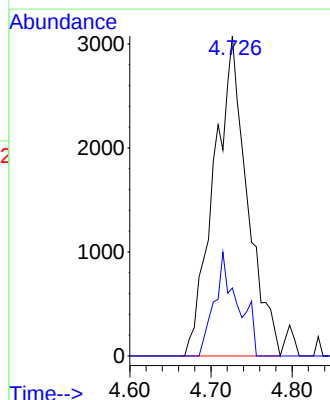
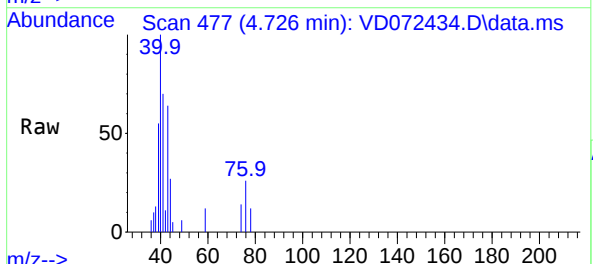
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

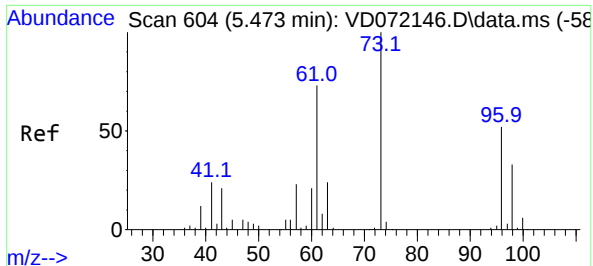
Tgt Ion: 76 Resp: 9707
Ion Ratio Lower Upper
76 100
78 12.4 7.5 11.3#



#18
Methyl Acetate
Concen: 4.001 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.012 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 43 Resp: 8790
Ion Ratio Lower Upper
43 100
74 22.7 16.7 25.1

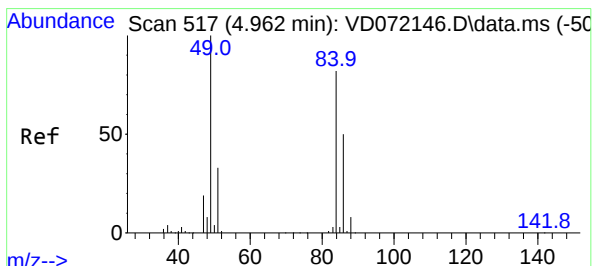
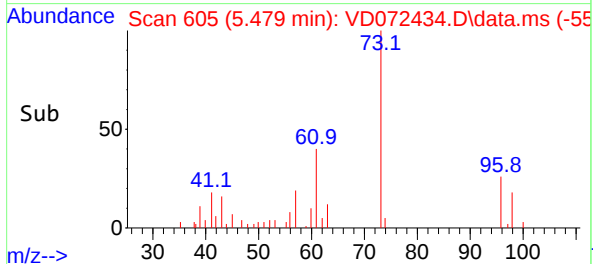
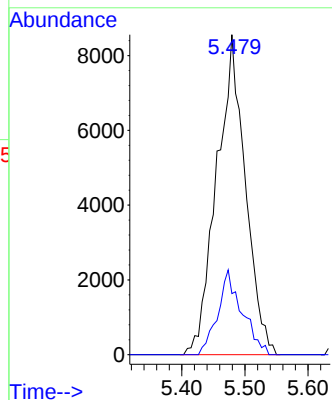
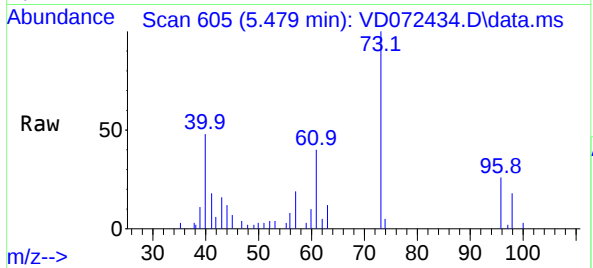




#19
Methyl tert-butyl Ether
Concen: 2.921 ug/l
RT: 5.479 min Scan# 604
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

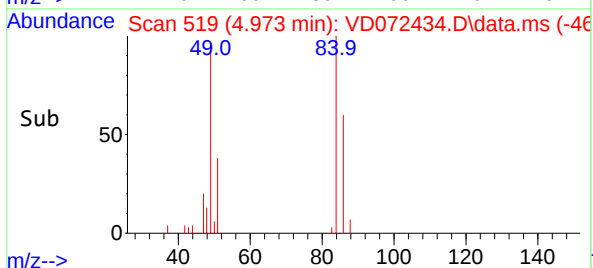
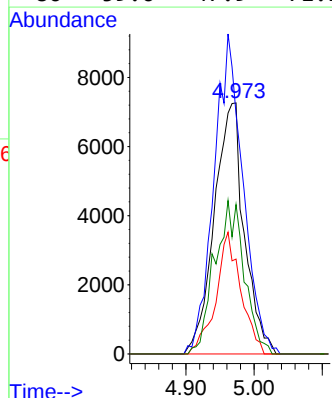
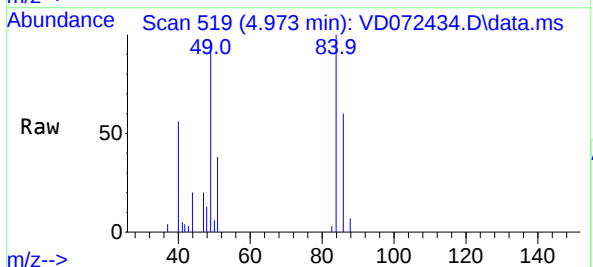
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

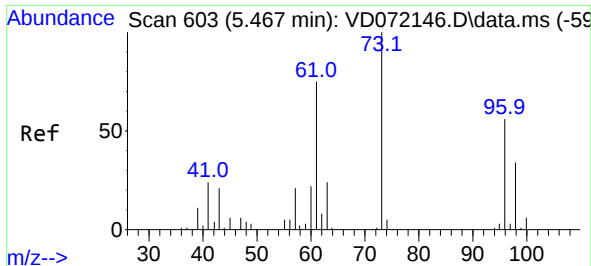
Tgt Ion: 73 Resp: 27040
Ion Ratio Lower Upper
73 100
57 19.1 18.0 27.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 84 Resp: 22267
Ion Ratio Lower Upper
84 100
49 95.6 112.8 169.2#
51 37.8 32.6 48.8
86 59.6 47.9 71.9

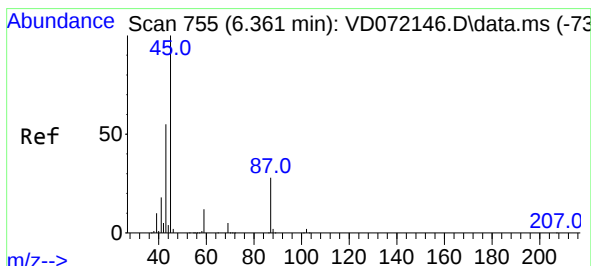
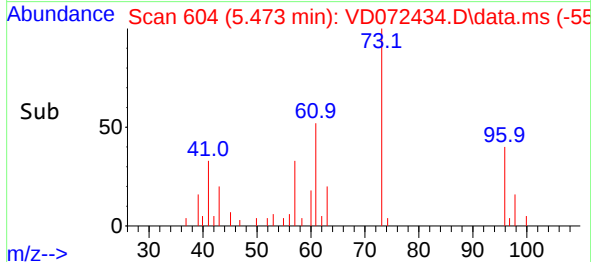
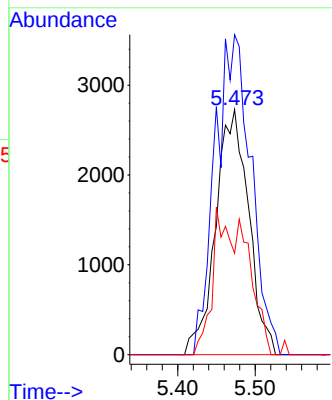
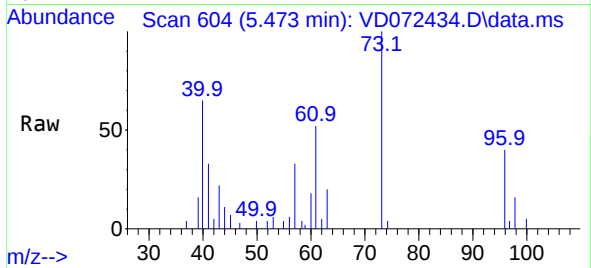




#21
trans-1,2-Dichloroethene
Concen: 2.142 ug/l
RT: 5.473 min Scan# 603
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

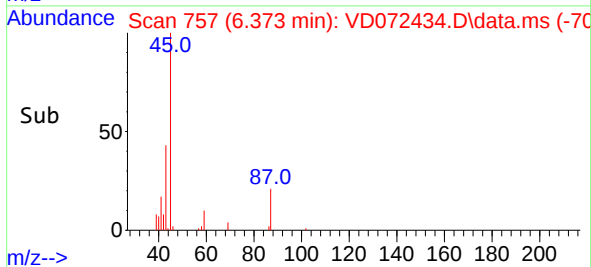
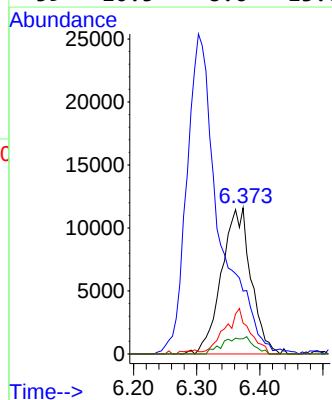
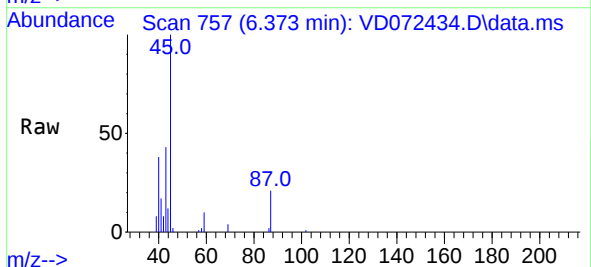
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

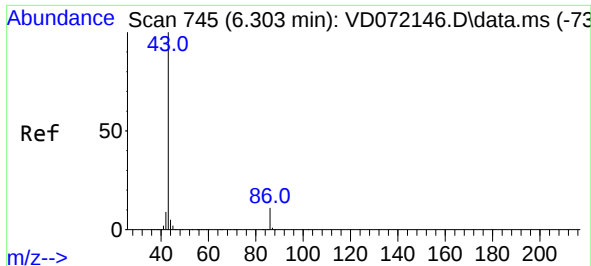
Tgt Ion: 96 Resp: 8070
Ion Ratio Lower Upper
96 100
61 130.5 117.9 176.9
98 41.4 49.4 74.2#



#22
Diisopropyl ether
Concen: 2.759 ug/l
RT: 6.373 min Scan# 757
Delta R.T. 0.012 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 45 Resp: 37474
Ion Ratio Lower Upper
45 100
43 39.6 46.6 70.0#
87 21.2 18.4 27.6
59 10.5 8.6 13.0

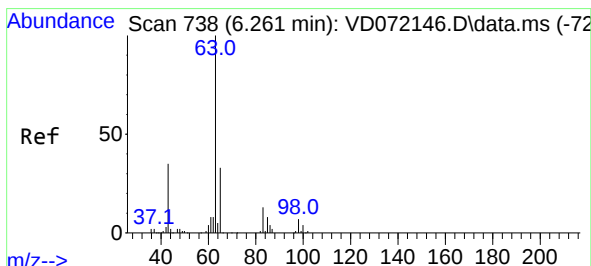
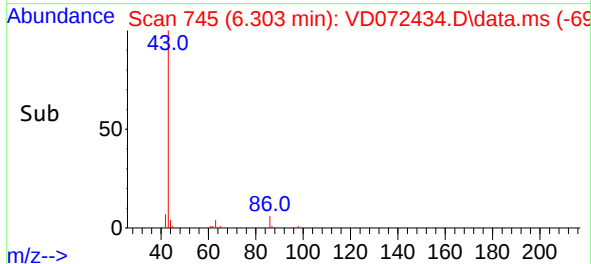
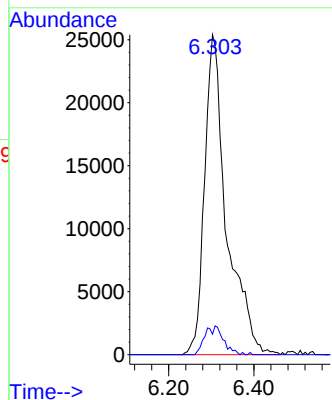
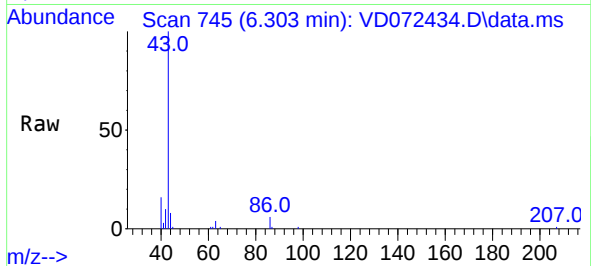




#23
 Vinyl Acetate
 Concen: 13.146 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. 0.000 min
 Lab File: VD072434.D
 Acq: 25 Mar 2022 17:38

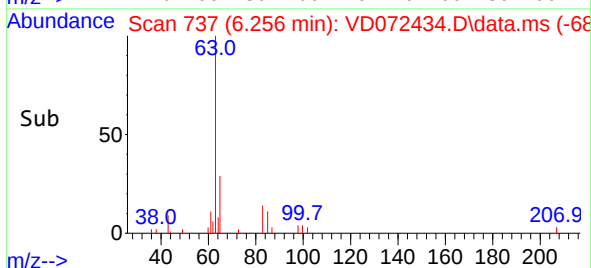
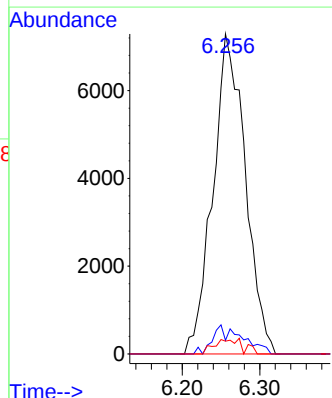
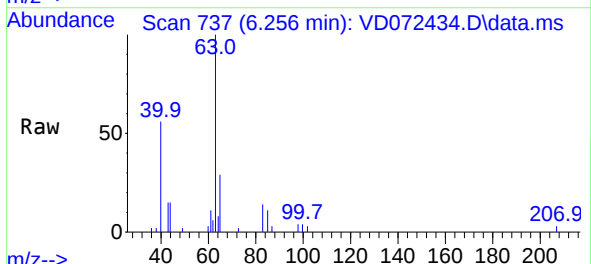
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

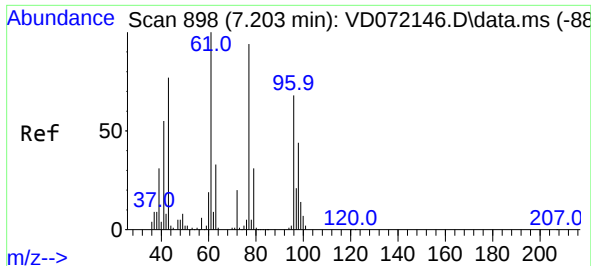
Tgt Ion: 43 Resp: 91120
 Ion Ratio Lower Upper
 43 100
 86 6.4 7.1 10.7#



#24
 1,1-Dichloroethane
 Concen: 2.641 ug/l
 RT: 6.256 min Scan# 737
 Delta R.T. -0.006 min
 Lab File: VD072434.D
 Acq: 25 Mar 2022 17:38

Tgt Ion: 63 Resp: 21152
 Ion Ratio Lower Upper
 63 100
 98 4.2 3.6 10.9
 100 4.0 2.1 6.5

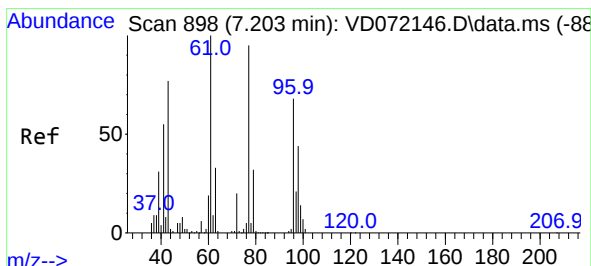
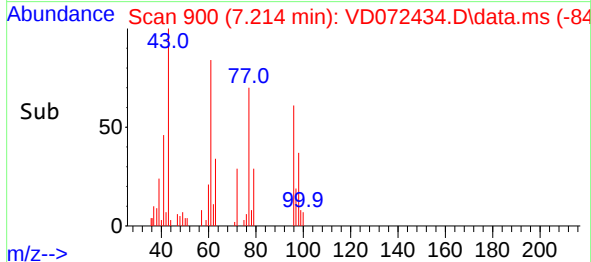
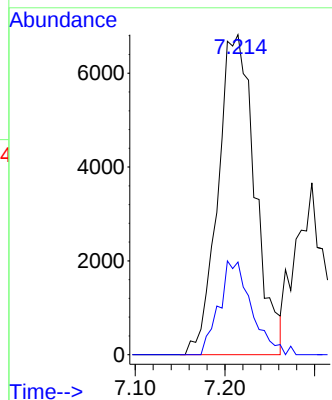
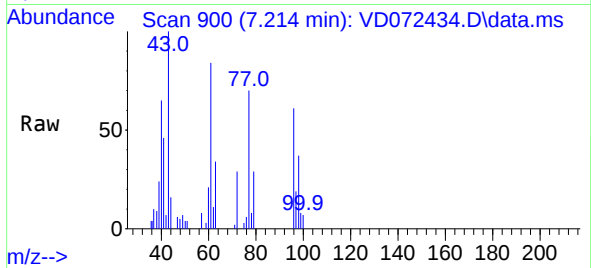




#25
2-Butanone
Concen: 16.275 ug/l
RT: 7.214 min Scan# 90
Delta R.T. 0.012 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

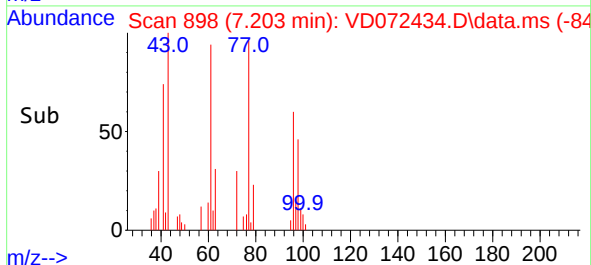
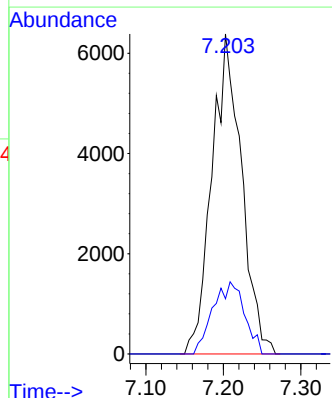
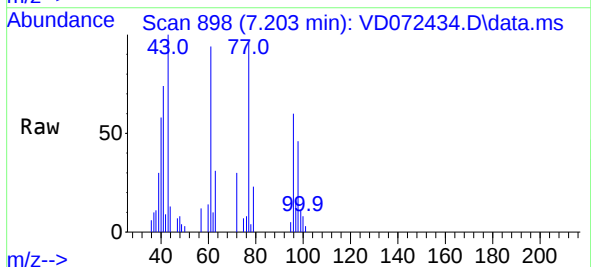
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

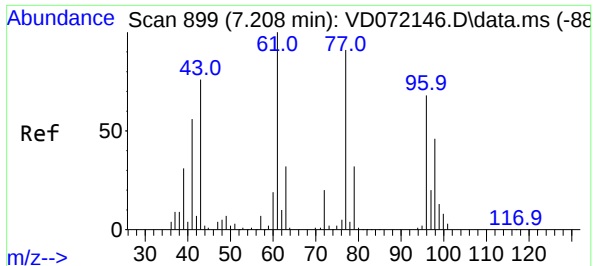
Tgt Ion: 43 Resp: 19456
Ion Ratio Lower Upper
43 100
72 28.9 18.6 27.8#



#26
2,2-Dichloropropane
Concen: 2.345 ug/l
RT: 7.203 min Scan# 898
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 77 Resp: 16946
Ion Ratio Lower Upper
77 100
97 24.1 10.8 32.4

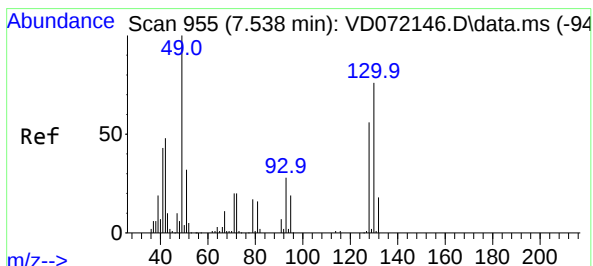
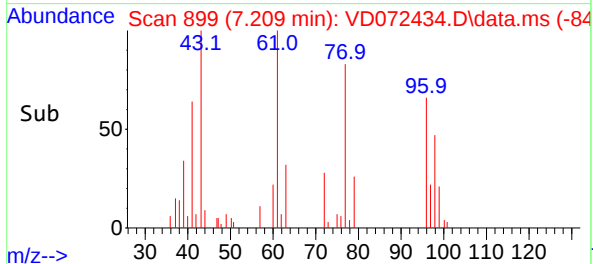
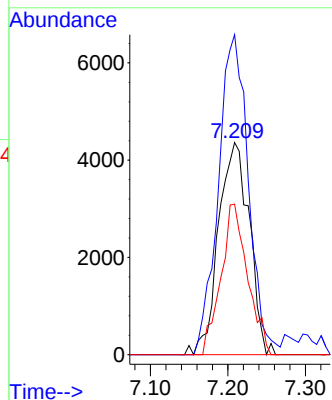
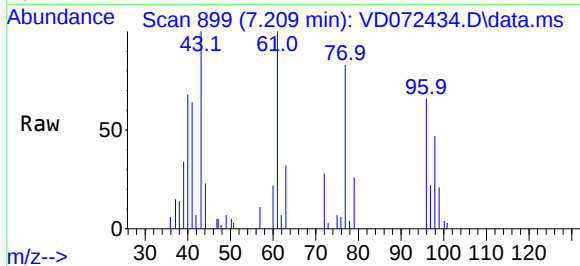




#27
cis-1,2-Dichloroethene
Concen: 2.507 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

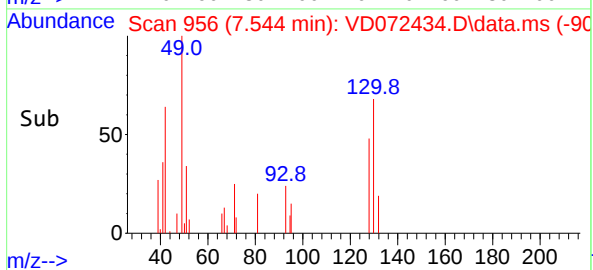
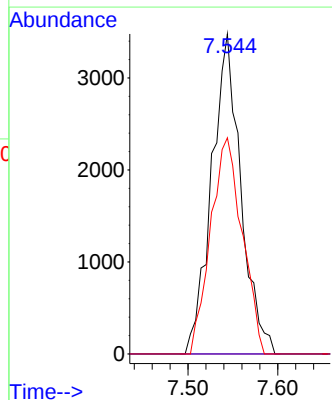
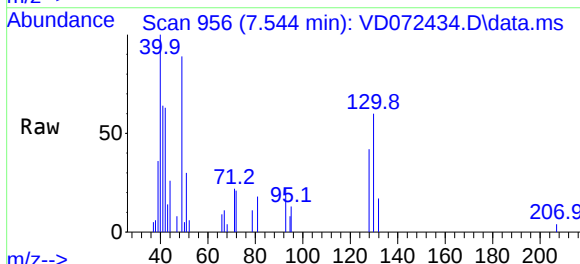
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

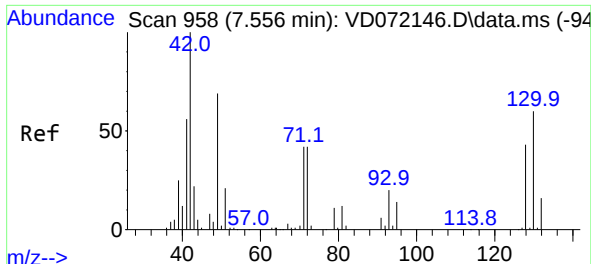
Tgt Ion: 96 Resp: 12056
Ion Ratio Lower Upper
96 100
61 147.3 0.0 313.8
98 61.6 0.0 128.8



#28
Bromochloromethane
Concen: 2.441 ug/l
RT: 7.544 min Scan# 956
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 49 Resp: 7872
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 72.9 52.6 79.0





#29

Tetrahydrofuran

Concen: 16.811 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD072434.D

Acq: 25 Mar 2022 17:38

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

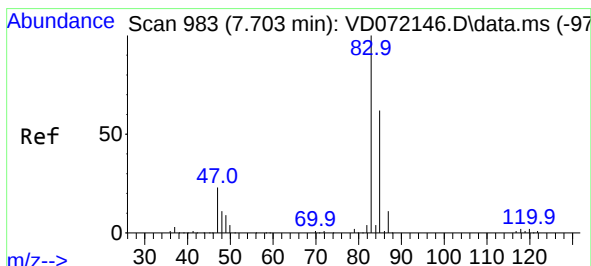
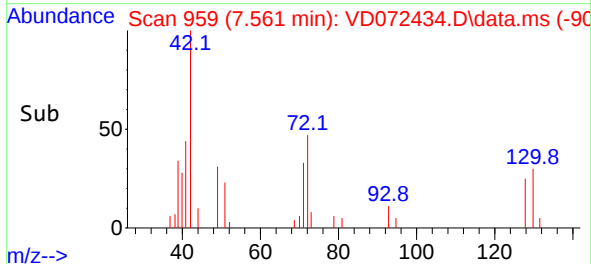
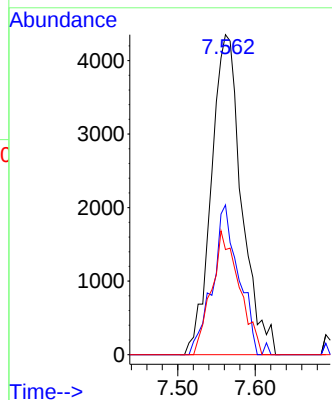
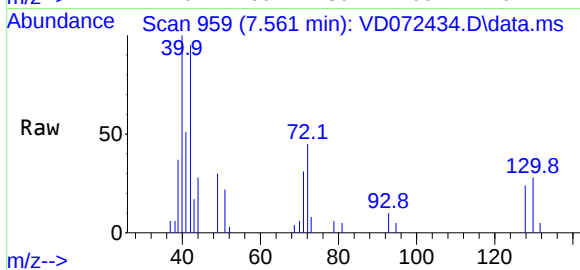
Tgt Ion: 42 Resp: 11817

Ion Ratio Lower Upper

42 100

72 40.1 30.7 46.1

71 35.5 28.6 43.0



#30

Chloroform

Concen: 2.958 ug/l

RT: 7.703 min Scan# 983

Delta R.T. 0.000 min

Lab File: VD072434.D

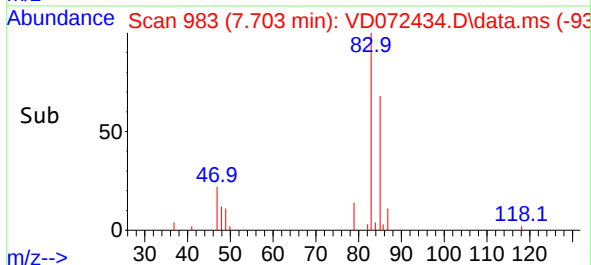
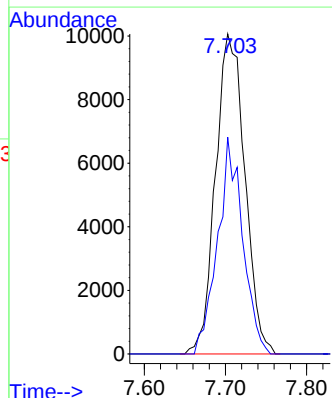
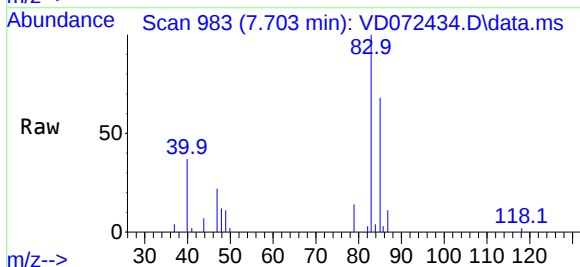
Acq: 25 Mar 2022 17:38

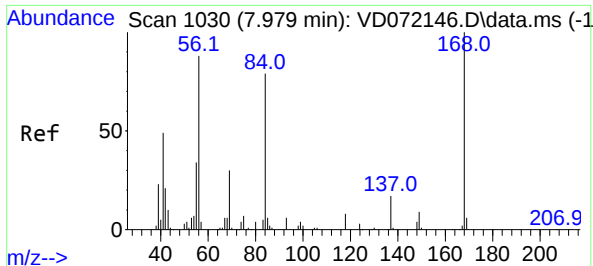
Tgt Ion: 83 Resp: 25243

Ion Ratio Lower Upper

83 100

85 67.8 52.7 79.1

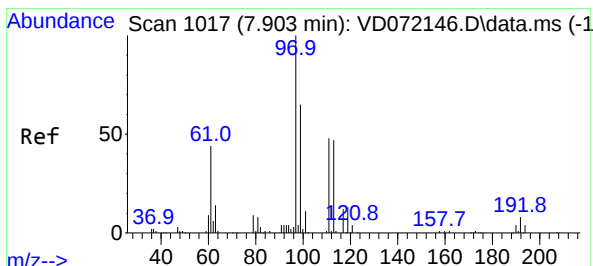
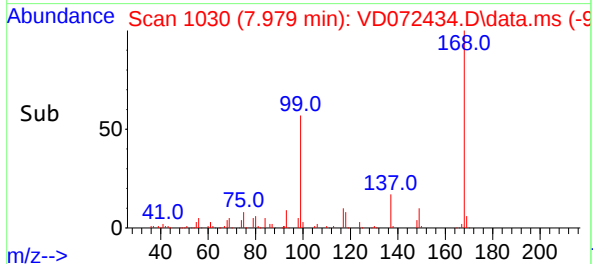
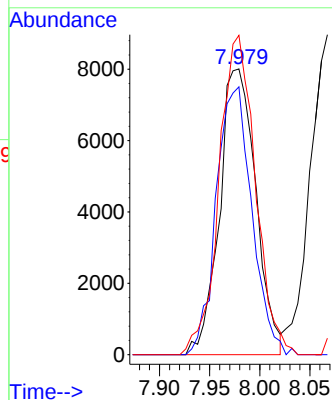
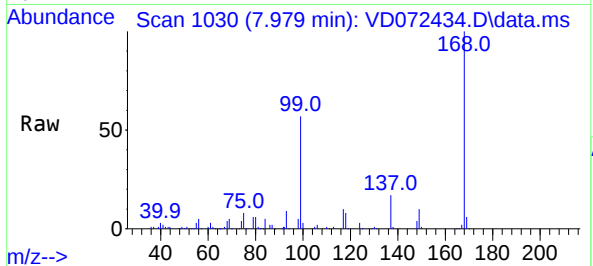




#31
Cyclohexane
Concen: 3.128 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

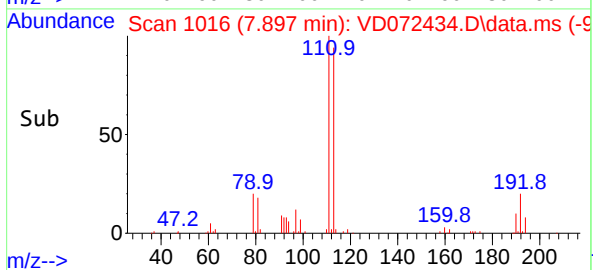
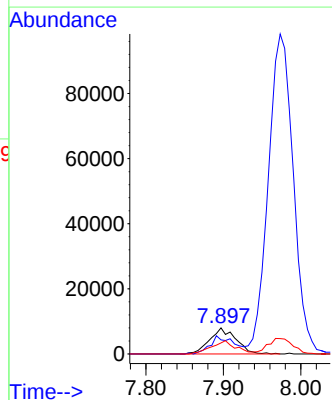
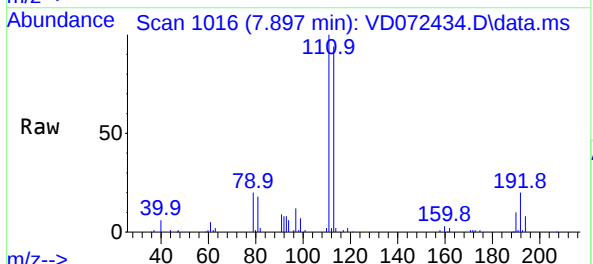
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 56 Resp: 20178
Ion Ratio Lower Upper
56 100
69 93.7 25.4 38.2#
84 111.8 63.0 94.4#



#32
1,1,1-Trichloroethane
Concen: 2.492 ug/l
RT: 7.897 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 97 Resp: 18882
Ion Ratio Lower Upper
97 100
99 62.6 52.4 78.6
61 47.1 38.0 57.0

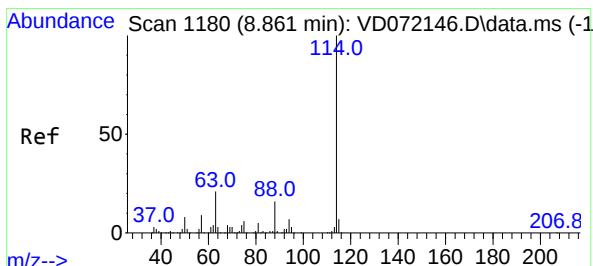
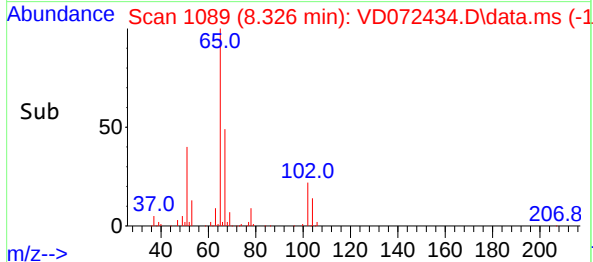
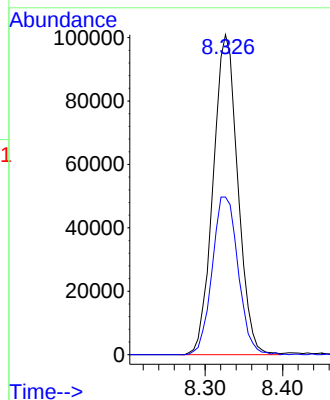
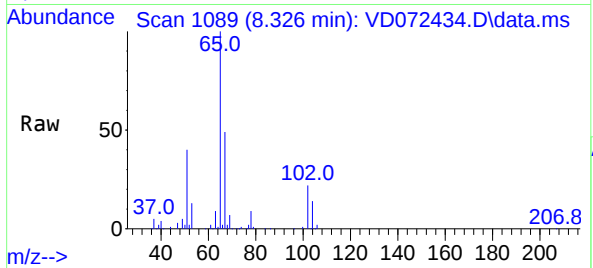




#33
1,2-Dichloroethane-d4
Concen: 54.069 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

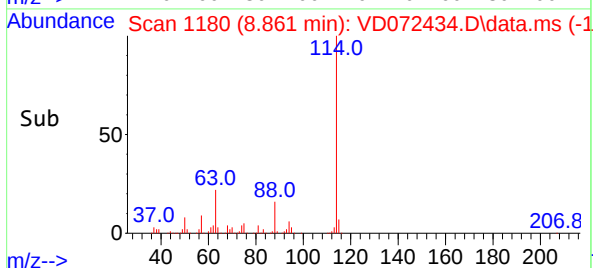
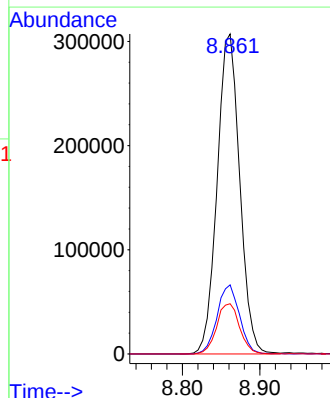
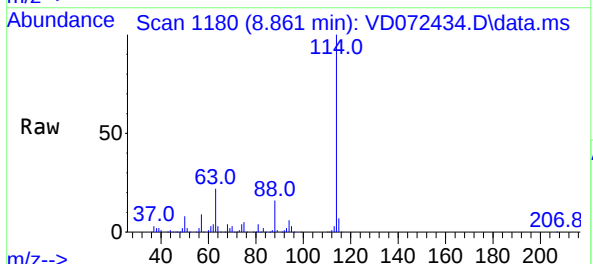
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 65 Resp: 223277
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 114 Resp: 621013
Ion Ratio Lower Upper
114 100
63 21.6 0.0 46.6
88 15.7 0.0 33.2

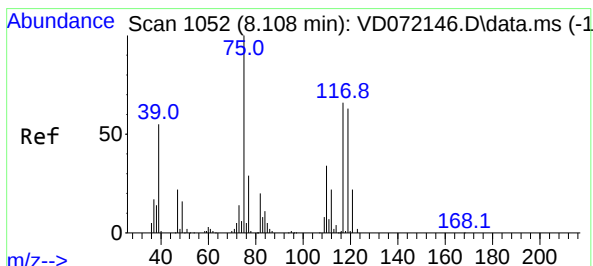
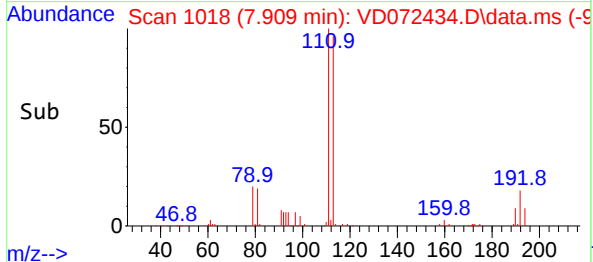
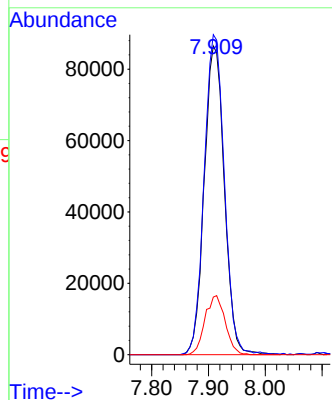
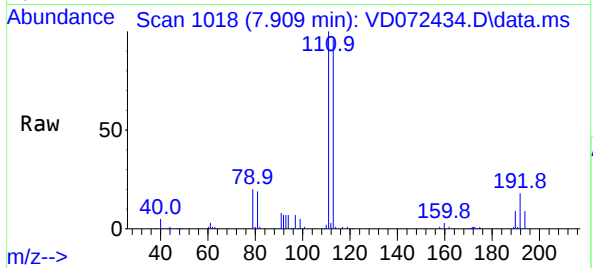




#35
Dibromofluoromethane
Concen: 48.663 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

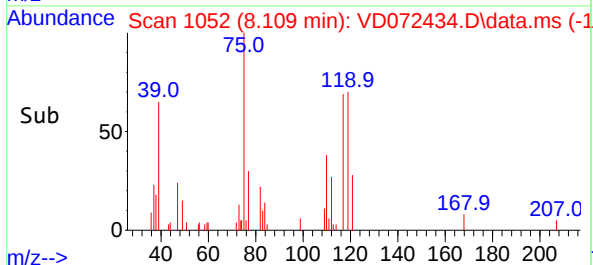
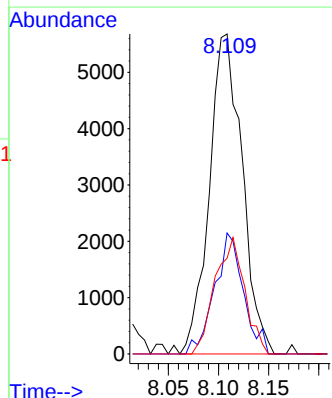
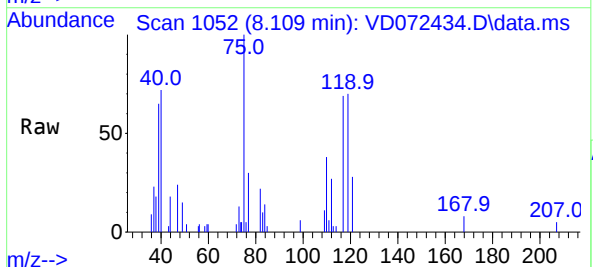
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

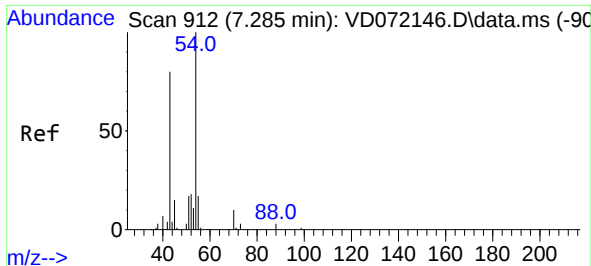
Tgt Ion:113 Resp: 212664
Ion Ratio Lower Upper
113 100
111 103.9 83.8 125.6
192 19.2 14.6 21.8



#36
1,1-Dichloropropene
Concen: 2.109 ug/l
RT: 8.109 min Scan# 1052
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 75 Resp: 12930
Ion Ratio Lower Upper
75 100
110 33.1 16.4 49.1
77 32.9 24.2 36.2

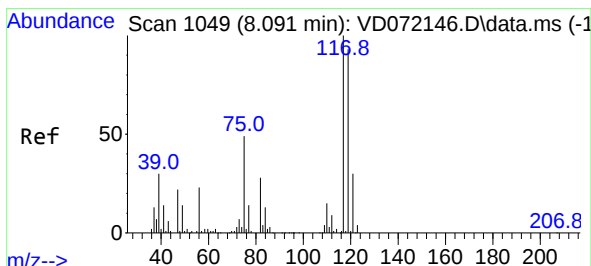
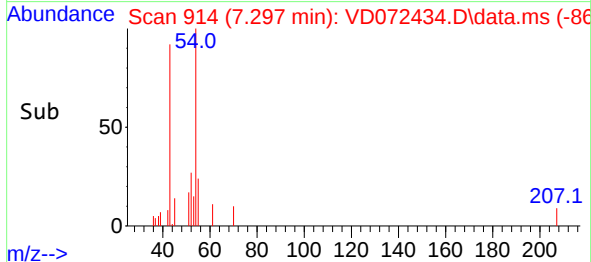
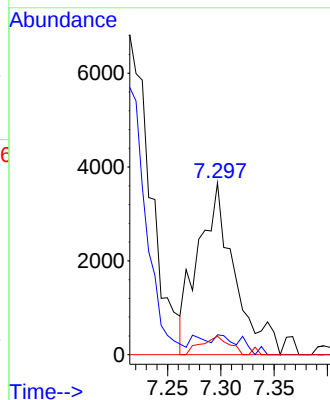
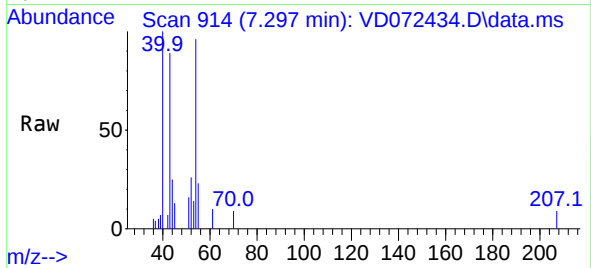




#37
Ethyl Acetate
Concen: 3.234 ug/l
RT: 7.297 min Scan# 912
Delta R.T. 0.012 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

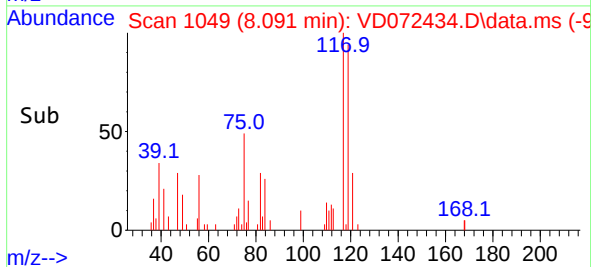
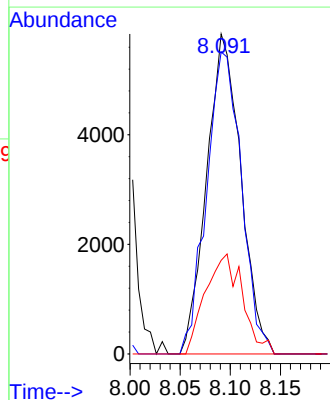
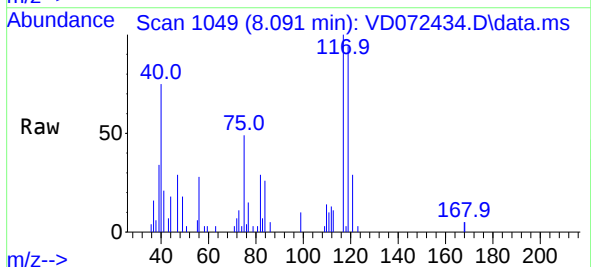
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 43 Resp: 8685
Ion Ratio Lower Upper
43 100
61 8.3 9.8 14.8#
70 8.2 6.9 10.3



#38
Carbon Tetrachloride
Concen: 1.984 ug/l
RT: 8.091 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 117 Resp: 13829
Ion Ratio Lower Upper
117 100
119 94.4 75.8 113.6
121 29.2 24.5 36.7





#39

Methylcyclohexane

Concen: 1.775 ug/l

RT: 9.350 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD072434.D

Acq: 25 Mar 2022 17:38

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

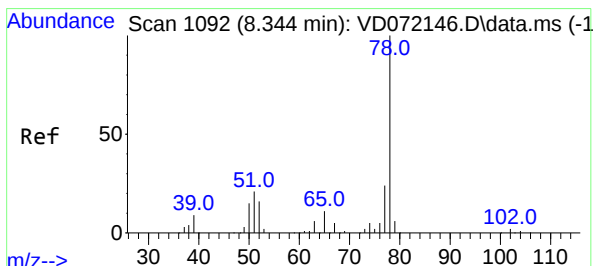
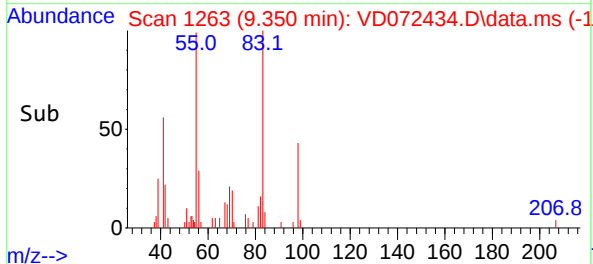
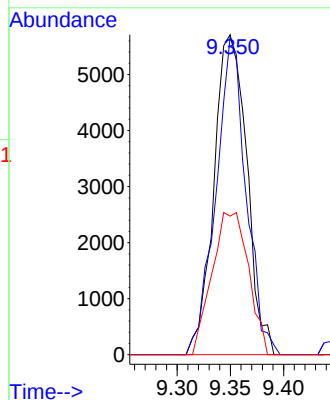
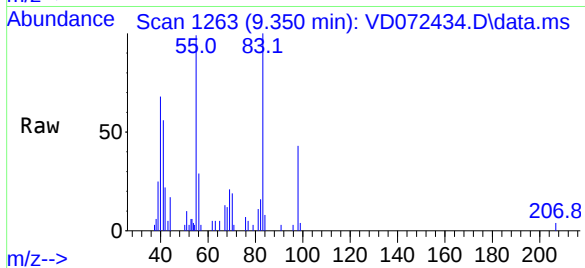
Tgt Ion: 83 Resp: 12247

Ion Ratio Lower Upper

83 100

55 99.2 63.2 94.8#

98 43.3 38.2 57.4



#40

Benzene

Concen: 2.885 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. 0.000 min

Lab File: VD072434.D

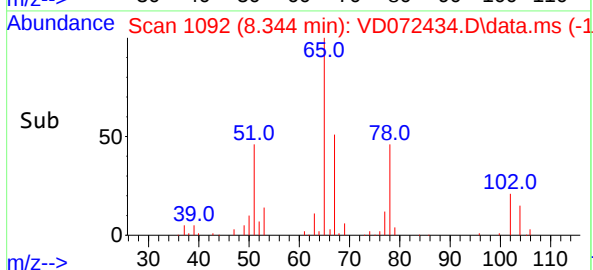
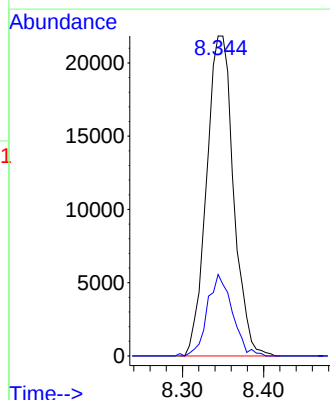
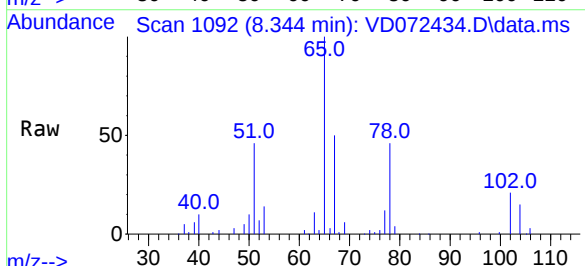
Acq: 25 Mar 2022 17:38

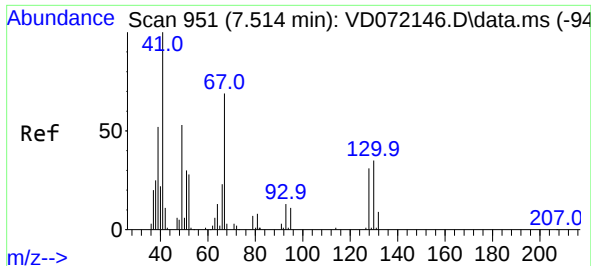
Tgt Ion: 78 Resp: 50458

Ion Ratio Lower Upper

78 100

77 25.4 19.1 28.7

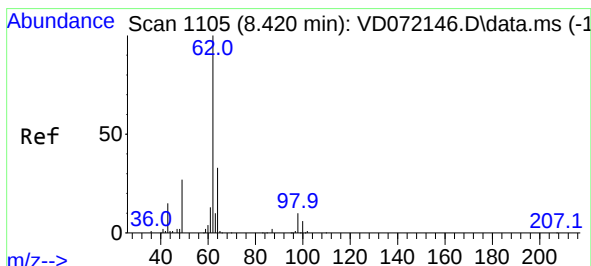
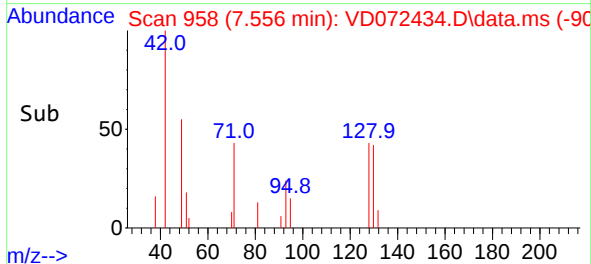
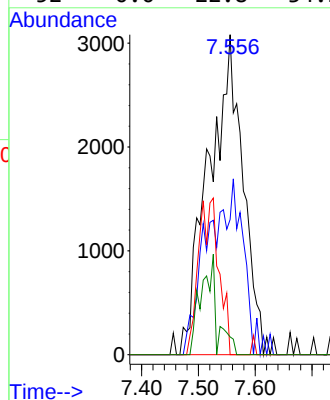
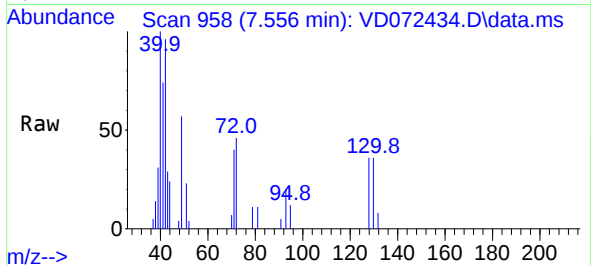




#41
Methacrylonitrile
Concen: 8.271 ug/l
RT: 7.556 min Scan# 91
Delta R.T. 0.041 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

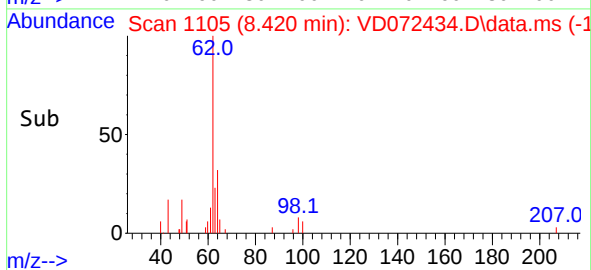
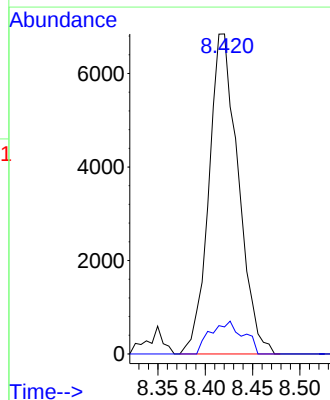
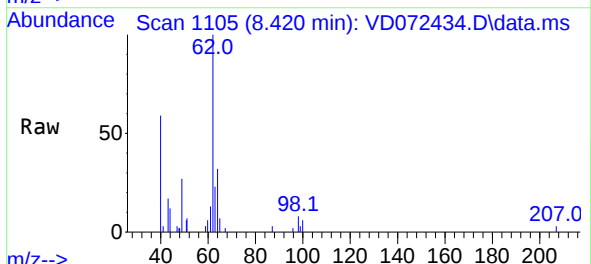
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

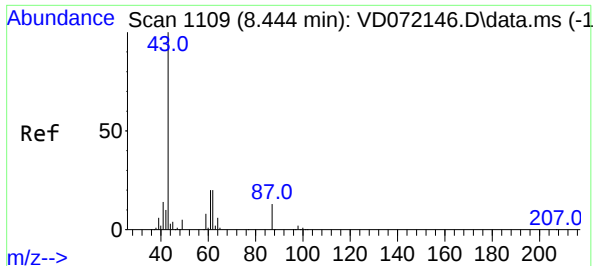
Tgt Ion:	41	Resp:	12946
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#42
1,2-Dichloroethane
Concen: 2.789 ug/l
RT: 8.420 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:	62	Resp:	14796
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	17.6

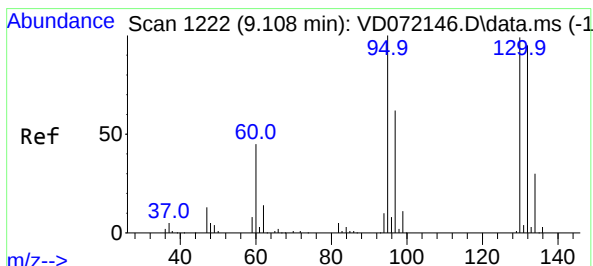
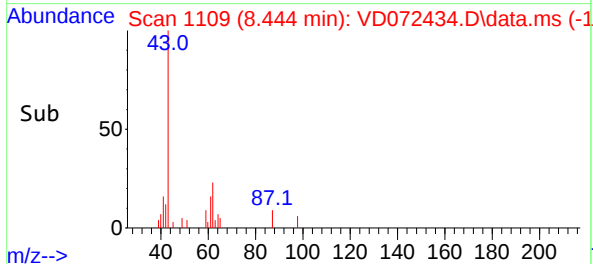
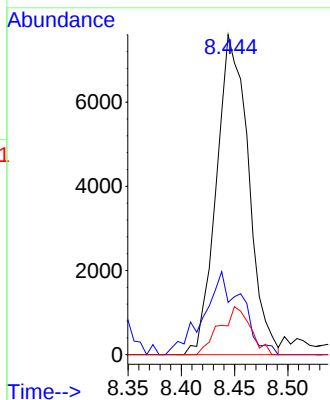
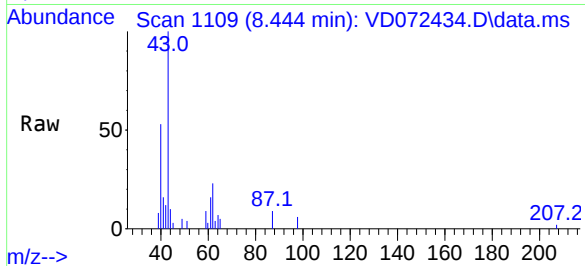




#43
Isopropyl Acetate
Concen: 3.055 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

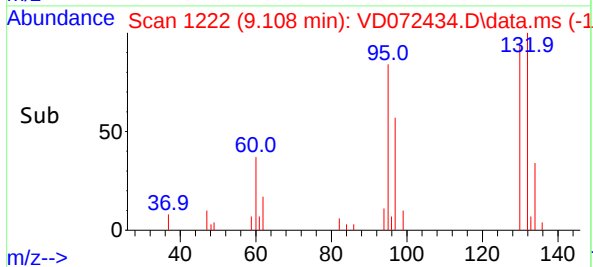
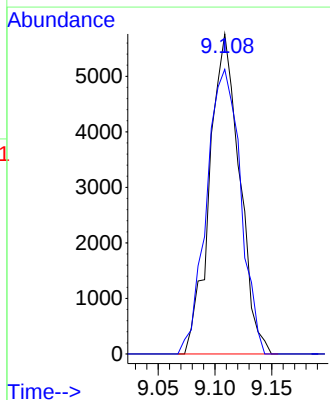
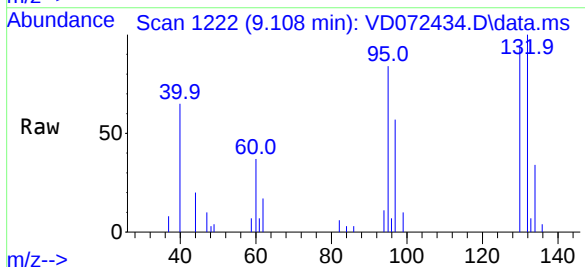
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

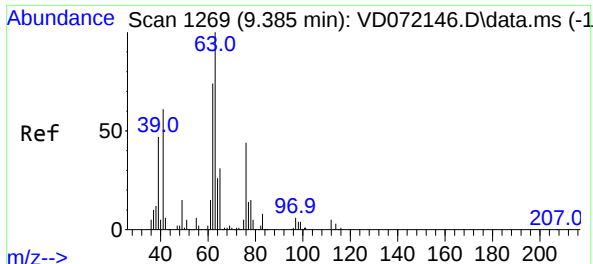
Tgt Ion: 43 Resp: 15922
Ion Ratio Lower Upper
43 100
61 31.0 22.4 33.6
87 14.3 8.7 13.1#



#44
Trichloroethene
Concen: 2.155 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:130 Resp: 10583
Ion Ratio Lower Upper
130 100
95 88.9 0.0 205.4

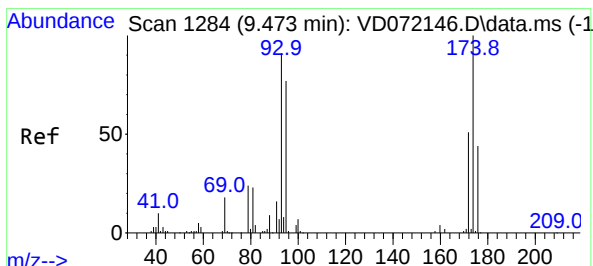
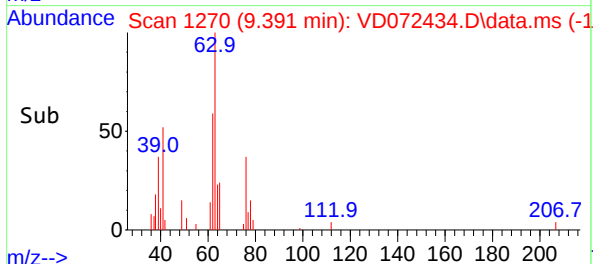
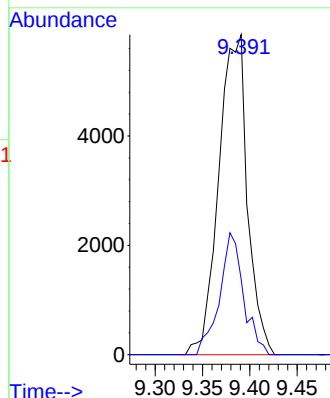
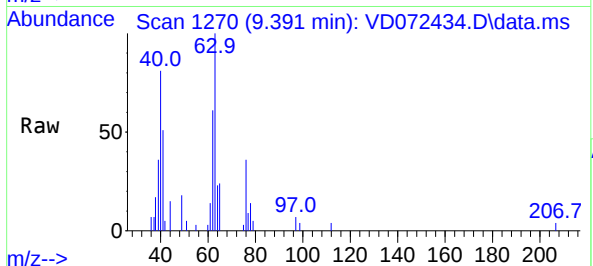




#45
1,2-Dichloropropane
Concen: 2.566 ug/l
RT: 9.391 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

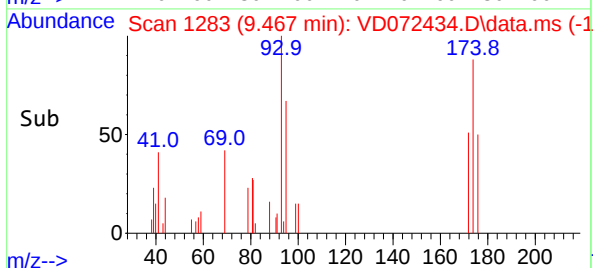
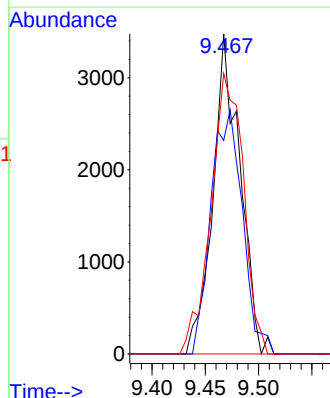
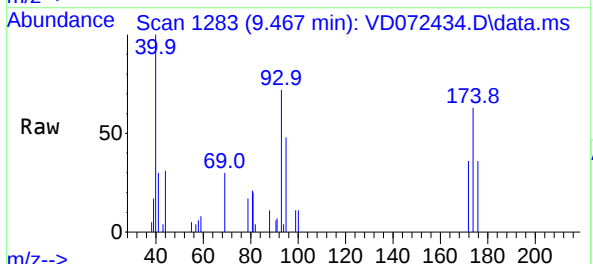
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

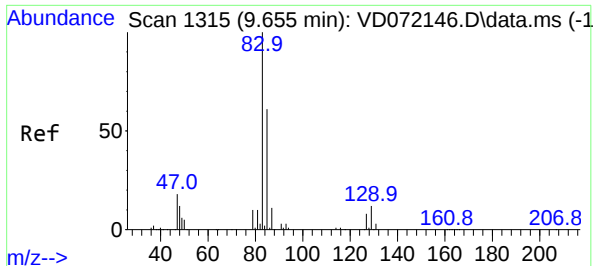
Tgt Ion: 63 Resp: 12309
Ion Ratio Lower Upper
63 100
65 23.6 26.2 39.4#



#46
Dibromomethane
Concen: 2.608 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 93 Resp: 6154
Ion Ratio Lower Upper
93 100
95 88.8 66.7 100.1
174 104.5 71.6 107.4





#47

Bromodichloromethane

Concen: 2.596 ug/l

RT: 9.656 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD072434.D

Acq: 25 Mar 2022 17:38

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

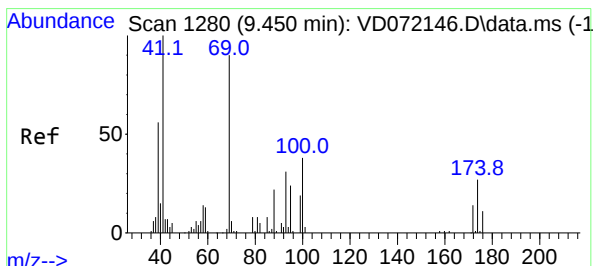
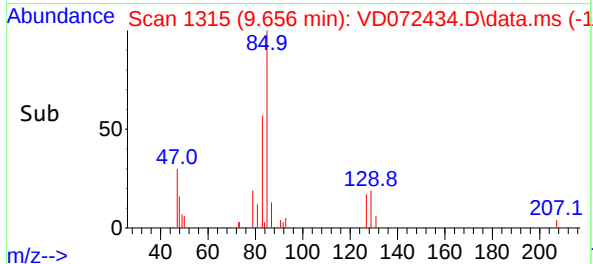
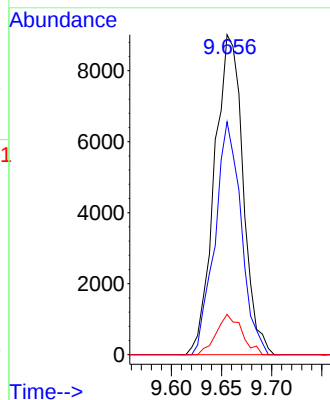
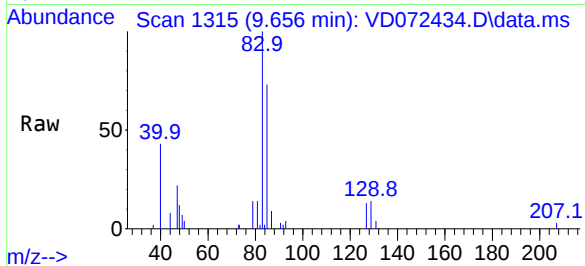
Tgt Ion: 83 Resp: 17854

Ion Ratio Lower Upper

83 100

85 72.7 51.4 77.0

127 12.6 6.1 9.1#



#48

Methyl methacrylate

Concen: 2.992 ug/l

RT: 9.450 min Scan# 1280

Delta R.T. 0.000 min

Lab File: VD072434.D

Acq: 25 Mar 2022 17:38

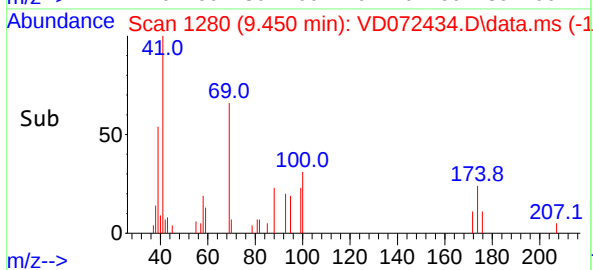
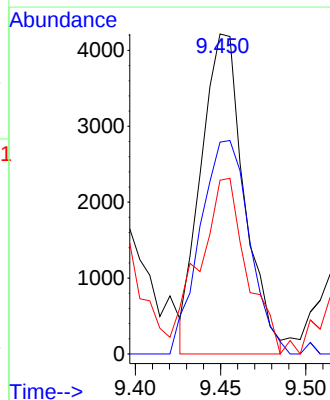
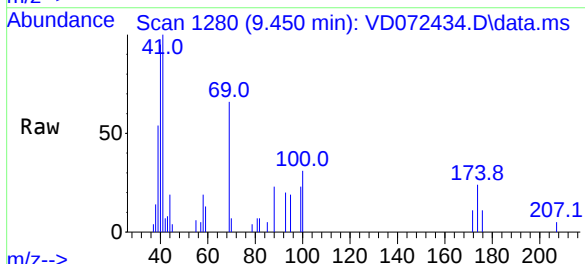
Tgt Ion: 41 Resp: 7447

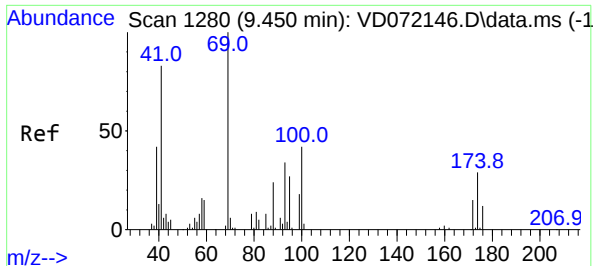
Ion Ratio Lower Upper

41 100

69 76.2 56.7 85.1

39 60.8 42.7 64.1

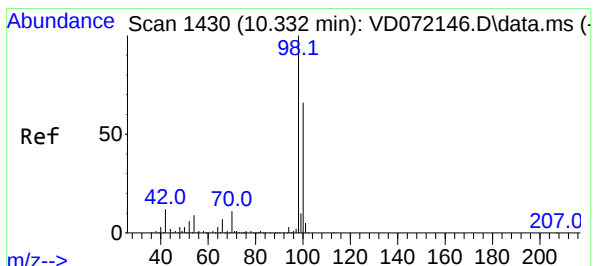
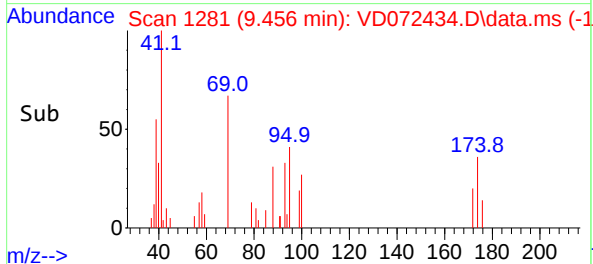
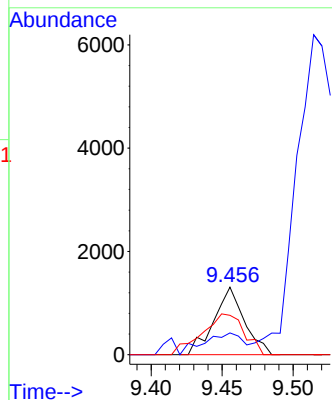
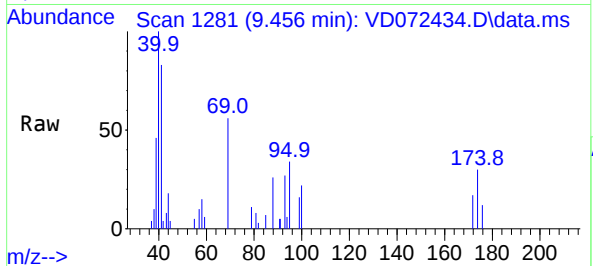




#49
1,4-Dioxane
Concen: 68.634 ug/l
RT: 9.456 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

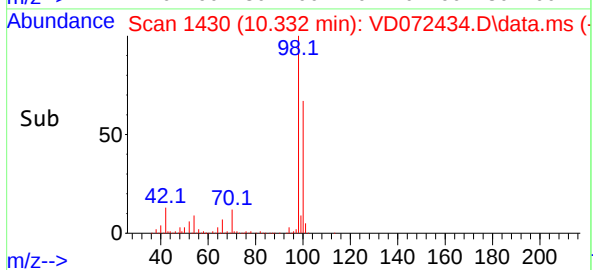
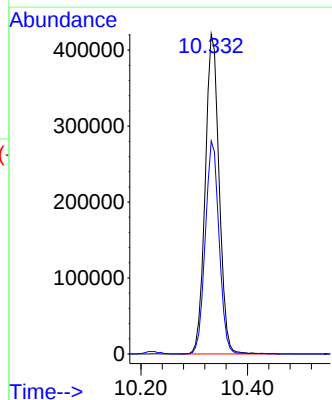
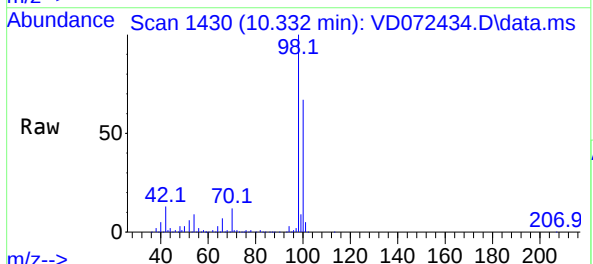
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

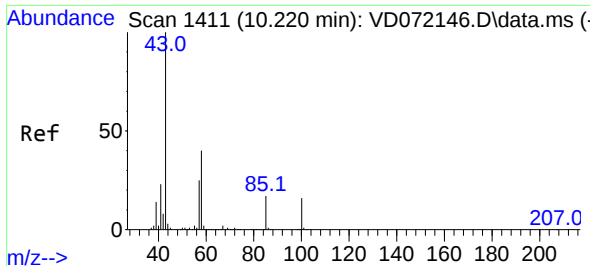
Tgt Ion: 88 Resp: 1942
Ion Ratio Lower Upper
88 100
43 41.1 31.0 46.4
58 83.4 58.1 87.1



#50
Toluene-d8
Concen: 47.654 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 98 Resp: 761489
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6

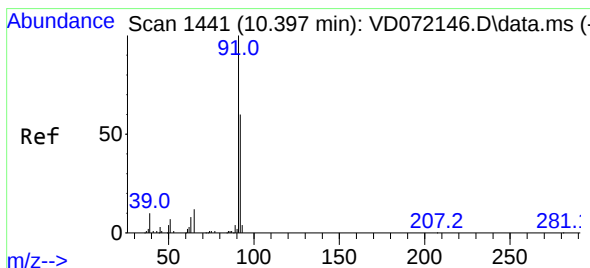
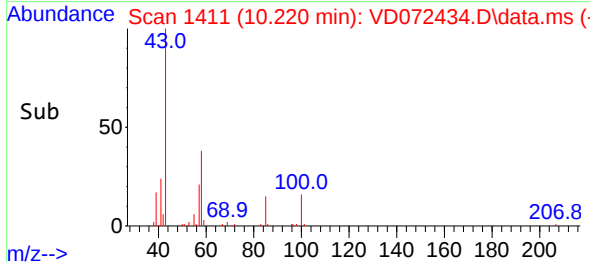
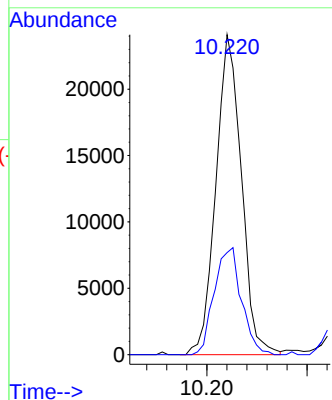
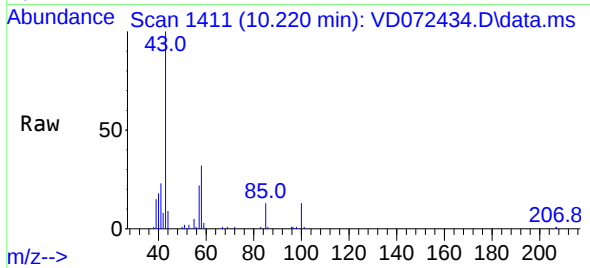




#51
4-Methyl-2-Pentanone
Concen: 15.508 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

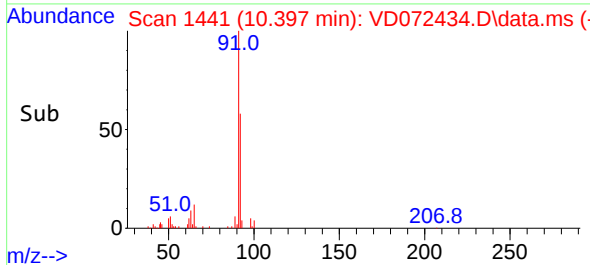
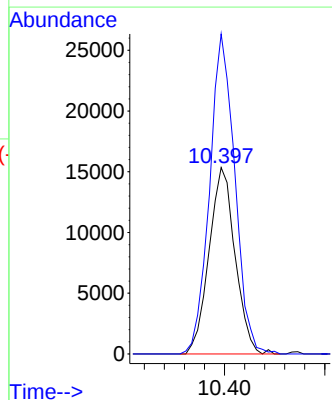
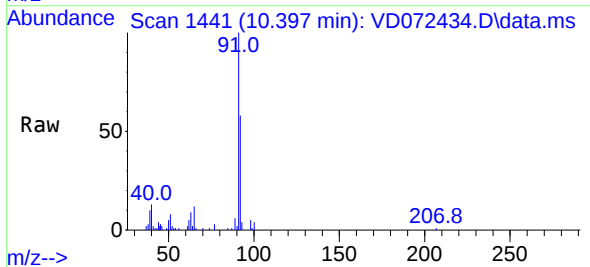
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

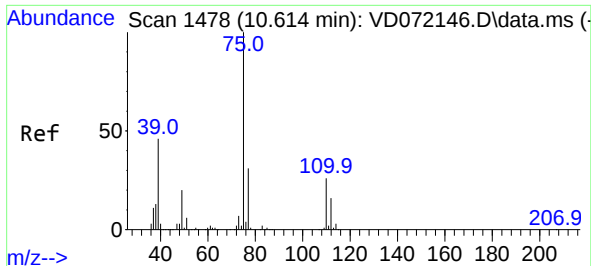
Tgt Ion: 43 Resp: 42455
Ion Ratio Lower Upper
43 100
58 35.7 28.6 43.0



#52
Toluene
Concen: 2.405 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 92 Resp: 27676
Ion Ratio Lower Upper
92 100
91 166.2 139.6 209.4

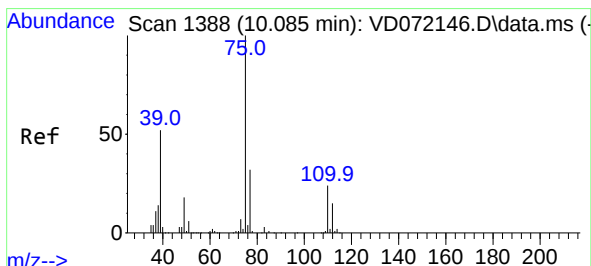
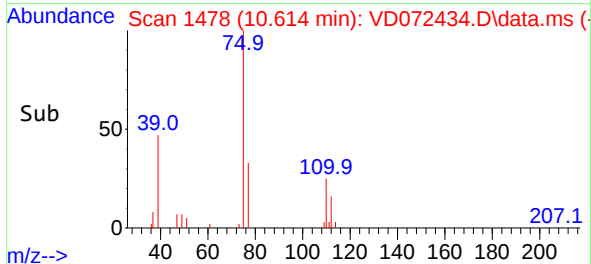
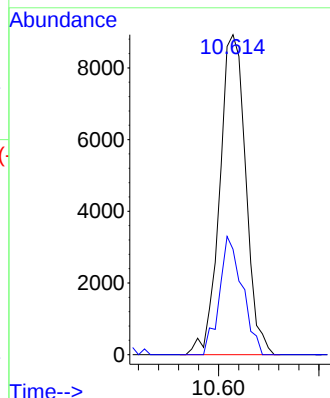
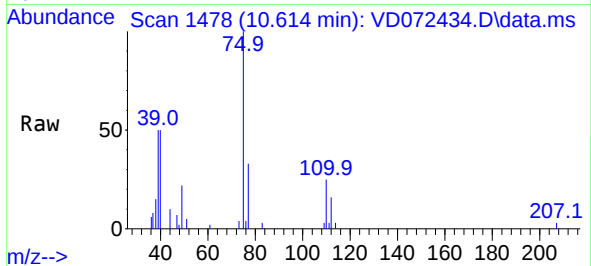




#53
t-1,3-Dichloropropene
Concen: 2.553 ug/l
RT: 10.614 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

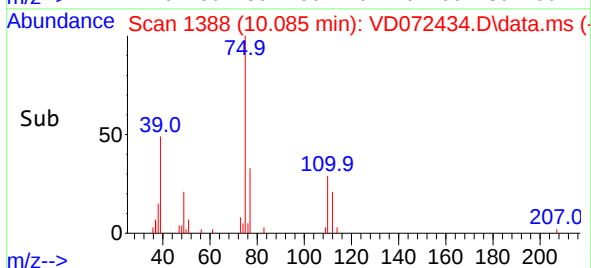
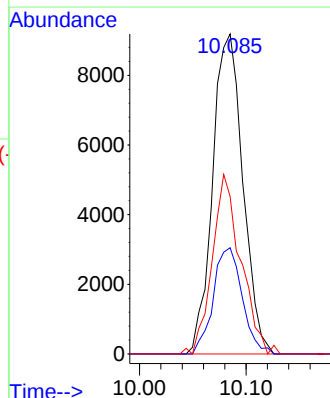
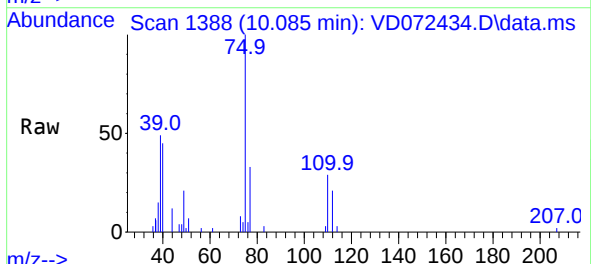
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2022

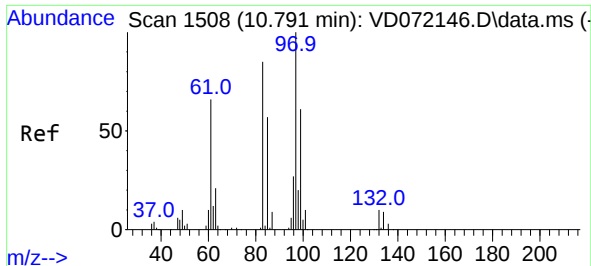
Tgt Ion: 75 Resp: 16045
Ion Ratio Lower Upper
75 100
77 32.9 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 2.491 ug/l
RT: 10.085 min Scan# 1388
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 75 Resp: 18098
Ion Ratio Lower Upper
75 100
77 33.2 24.8 37.2
39 49.2 46.8 70.2



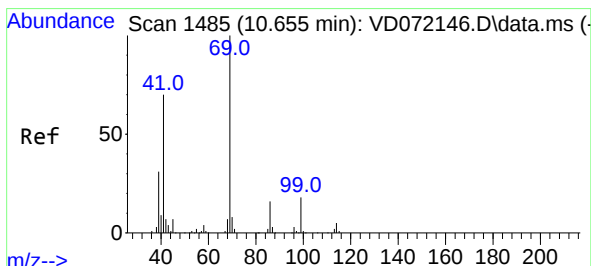
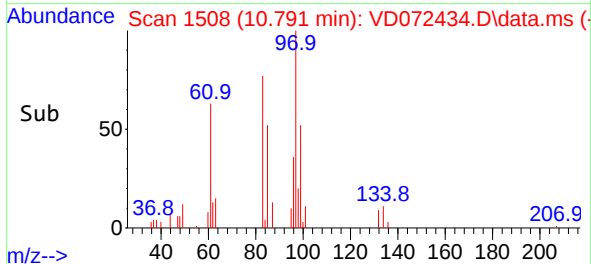
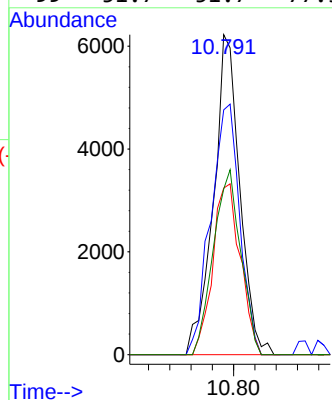
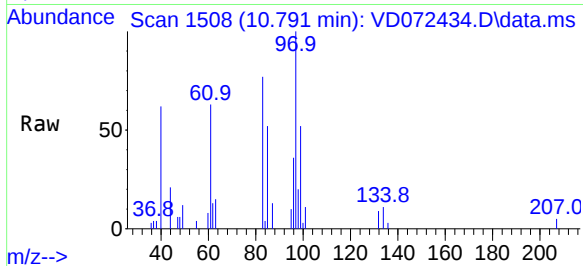


#55
1,1,2-Trichloroethane
Concen: 2.958 ug/l
RT: 10.791 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 97 Resp: 10632

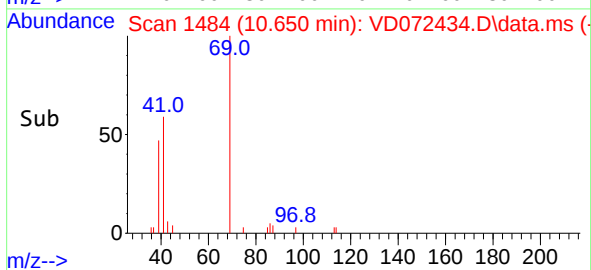
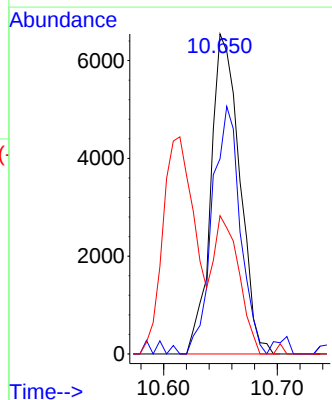
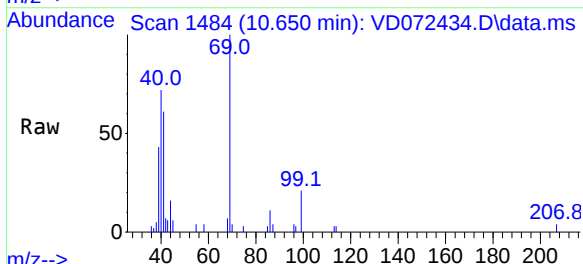
Ion	Ratio	Lower	Upper
97	100		
83	76.5	69.0	103.4
85	52.0	42.6	63.8
99	51.7	51.7	77.5

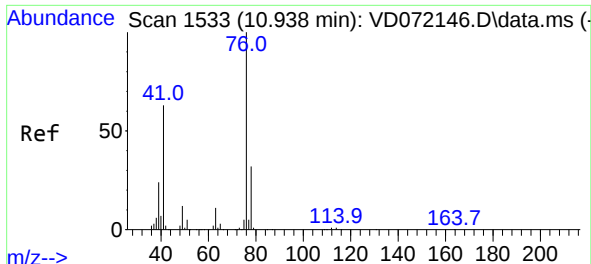


#56
Ethyl methacrylate
Concen: 2.747 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 69 Resp: 11565

Ion	Ratio	Lower	Upper
69	100		
41	74.9	63.0	94.6
39	37.8	33.8	50.8





#57

1,3-Dichloropropane

Concen: 2.746 ug/l

RT: 10.944 min Scan# 1534

Delta R.T. 0.006 min

Lab File: VD072434.D

Acq: 25 Mar 2022 17:38

Instrument :

MSVOA_D

ClientSampleId :

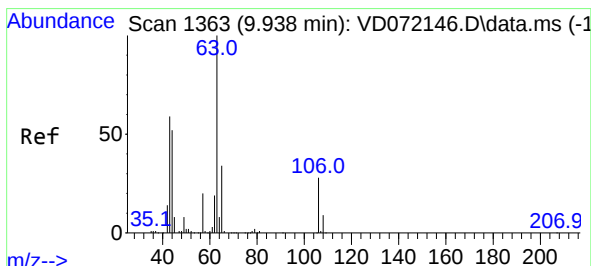
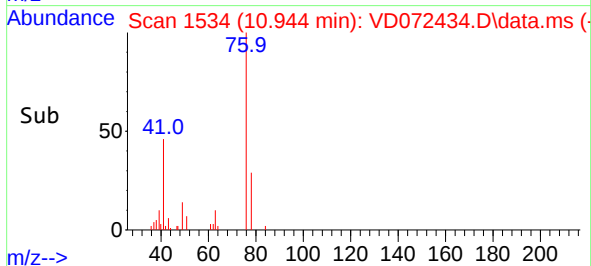
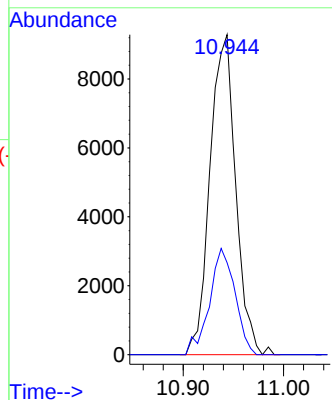
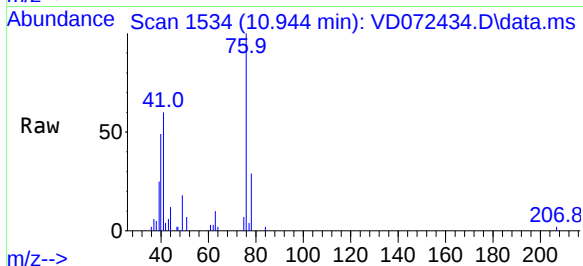
MDL-SOIL-03-QT1-2022

Tgt Ion: 76 Resp: 16567

Ion Ratio Lower Upper

76 100

78 32.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 10.591 ug/l

RT: 9.938 min Scan# 1363

Delta R.T. 0.000 min

Lab File: VD072434.D

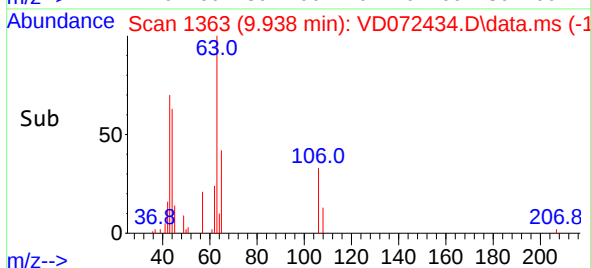
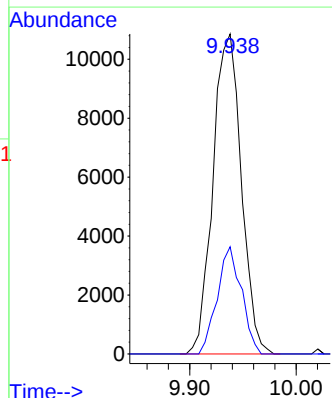
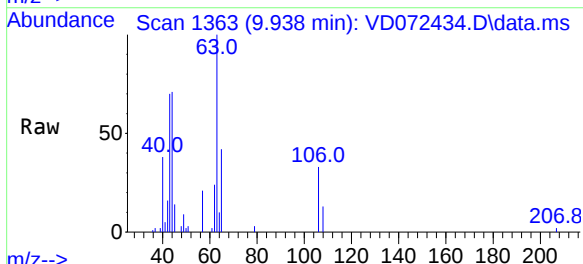
Acq: 25 Mar 2022 17:38

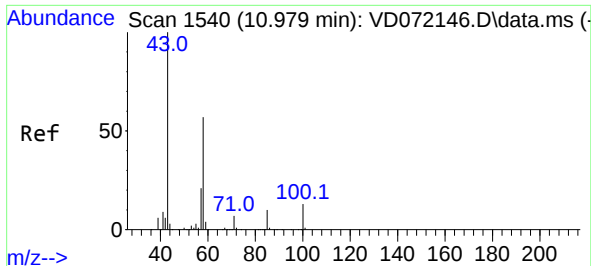
Tgt Ion: 63 Resp: 20048

Ion Ratio Lower Upper

63 100

106 28.6 21.4 32.0

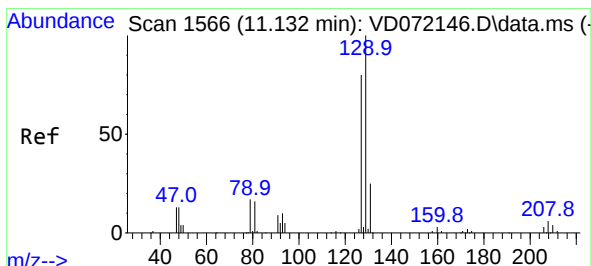
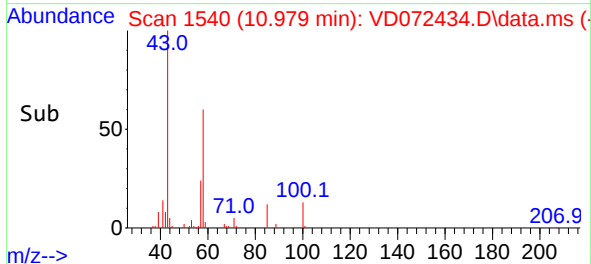
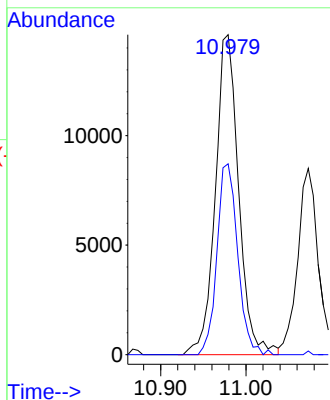
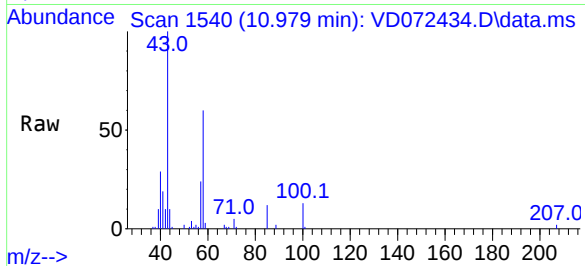




#59
2-Hexanone
Concen: 14.662 ug/l
RT: 10.979 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

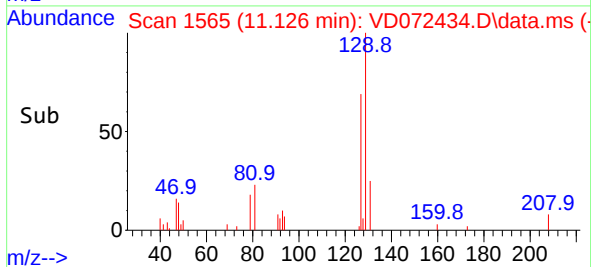
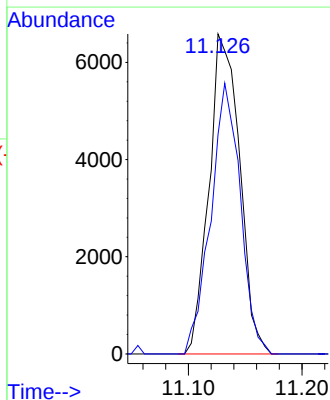
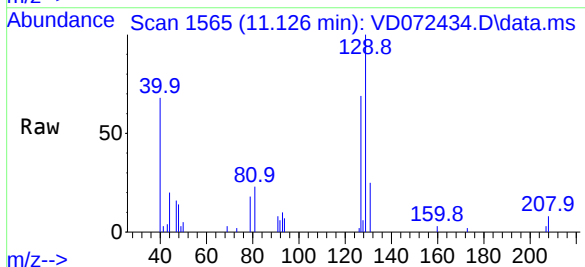
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

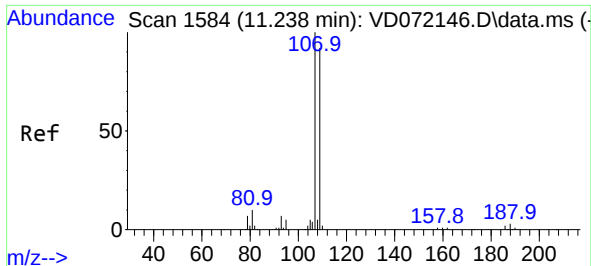
Tgt Ion: 43 Resp: 27723
Ion Ratio Lower Upper
43 100
58 53.1 25.3 75.9



#60
Dibromochloromethane
Concen: 2.644 ug/l
RT: 11.126 min Scan# 1565
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 129 Resp: 12332
Ion Ratio Lower Upper
129 100
127 81.8 39.2 117.6

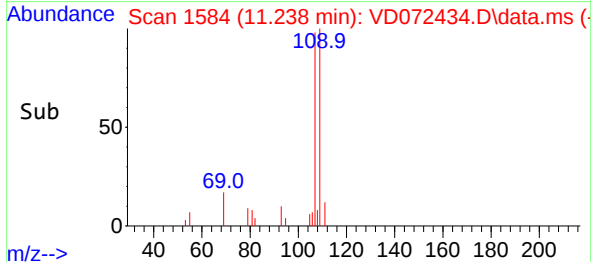
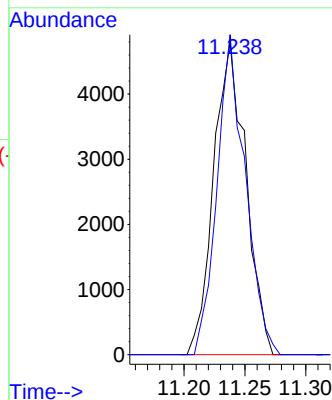
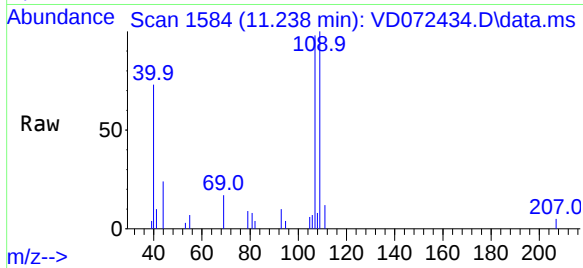




#61
1,2-Dibromoethane
Concen: 2.710 ug/l
RT: 11.238 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

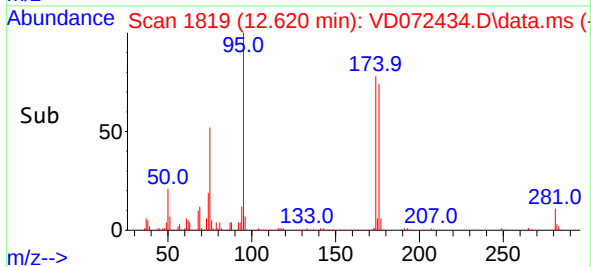
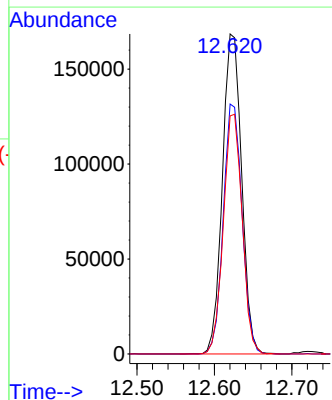
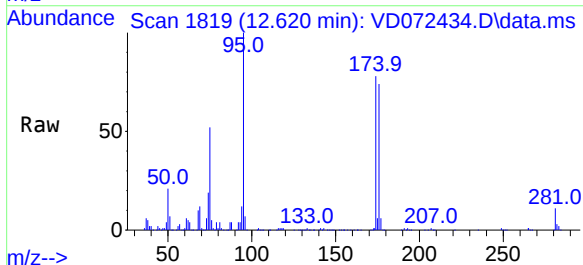
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

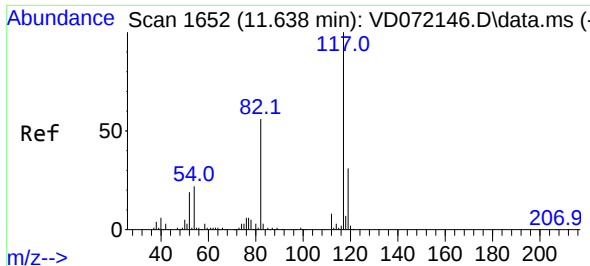
Tgt Ion:107 Resp: 8802
Ion Ratio Lower Upper
107 100
109 90.3 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 46.864 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 95 Resp: 290969
Ion Ratio Lower Upper
95 100
174 76.3 0.0 152.8
176 73.4 0.0 145.4

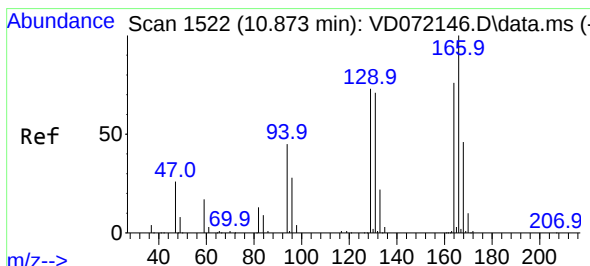
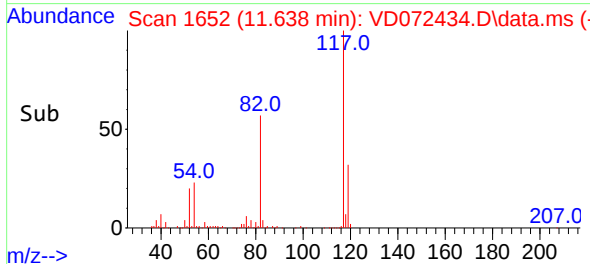
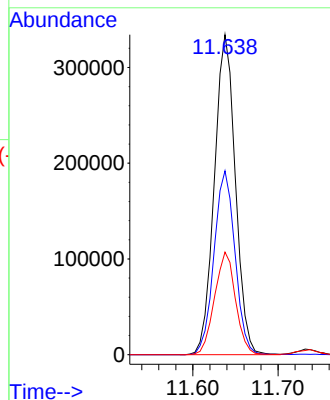
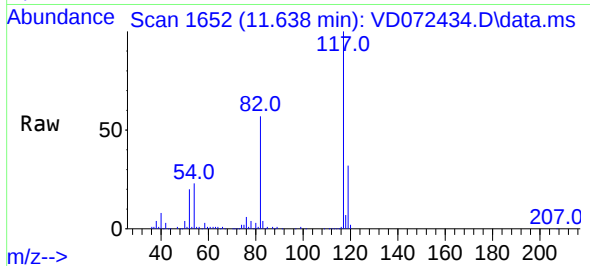




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

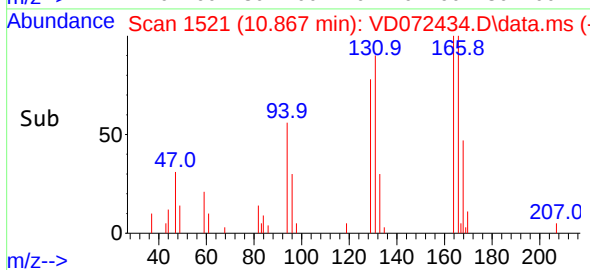
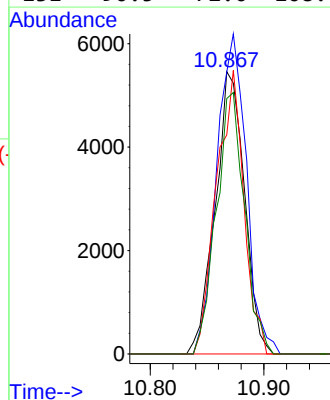
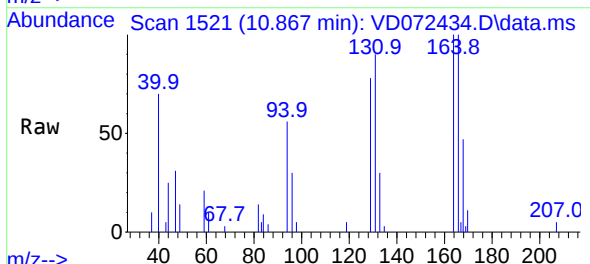
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

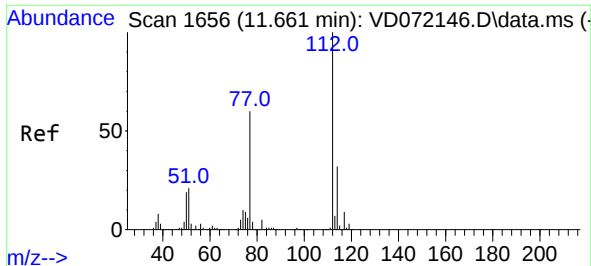
Tgt Ion:117 Resp: 574950
Ion Ratio Lower Upper
117 100
82 57.5 45.3 67.9
119 32.1 26.6 40.0



#64
Tetrachloroethene
Concen: 2.413 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:164 Resp: 9777
Ion Ratio Lower Upper
164 100
166 99.8 98.5 147.7
129 77.6 74.6 111.8
131 90.5 72.0 108.0

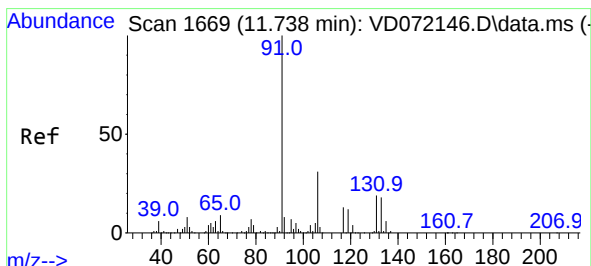
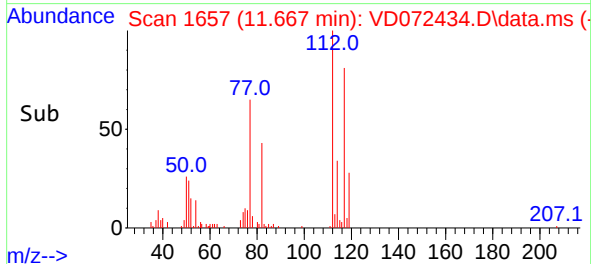
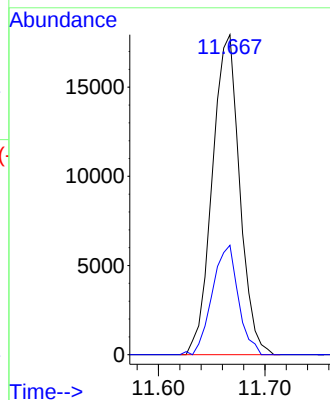
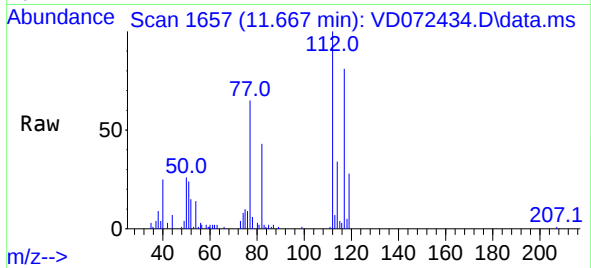




#65
Chlorobenzene
Concen: 2.508 ug/l
RT: 11.667 min Scan# 1657
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

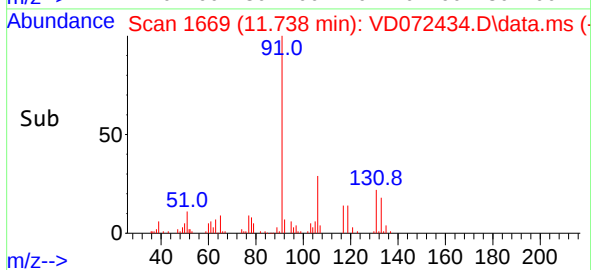
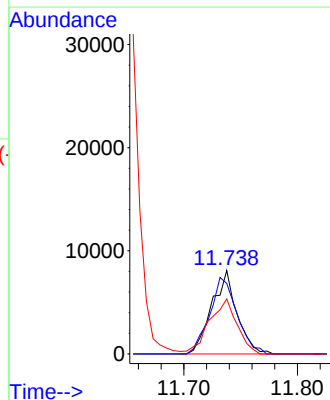
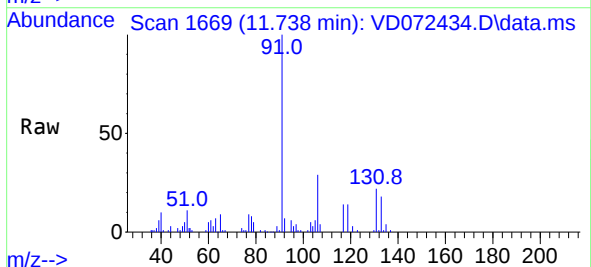
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

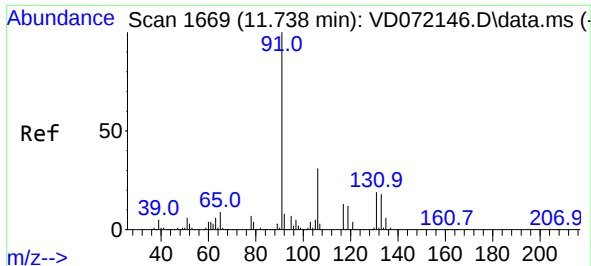
Tgt Ion:112 Resp: 31970
Ion Ratio Lower Upper
112 100
114 34.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 2.475 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:131 Resp: 12473
Ion Ratio Lower Upper
131 100
133 99.5 48.1 144.3
119 72.8 31.9 95.9

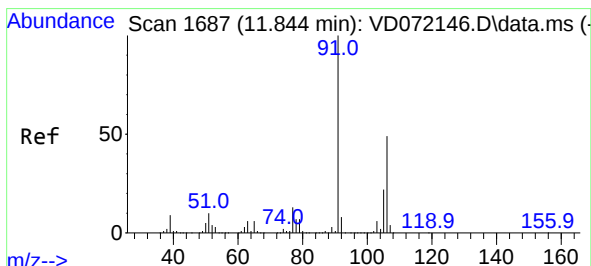
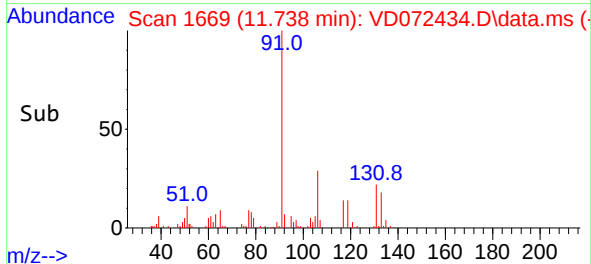
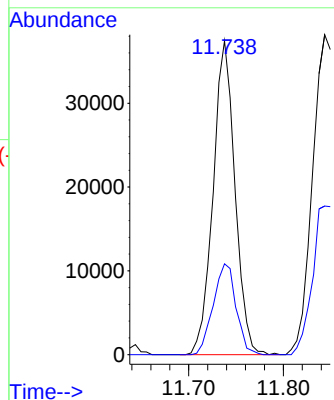
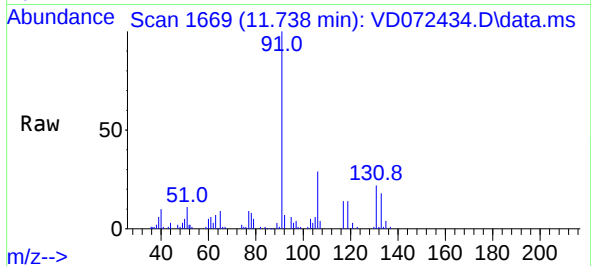




#67
Ethyl Benzene
Concen: 2.640 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

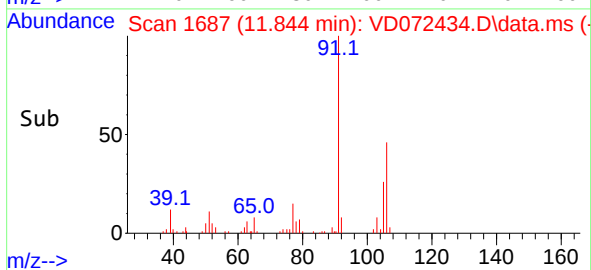
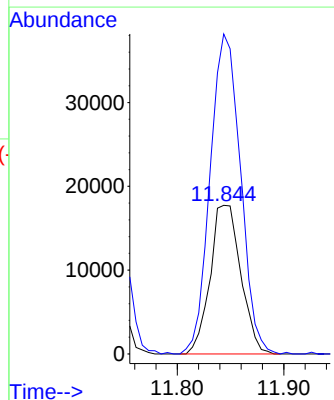
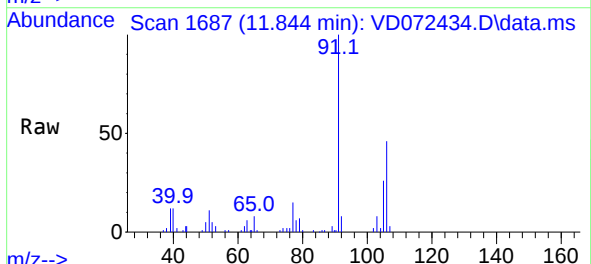
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2022

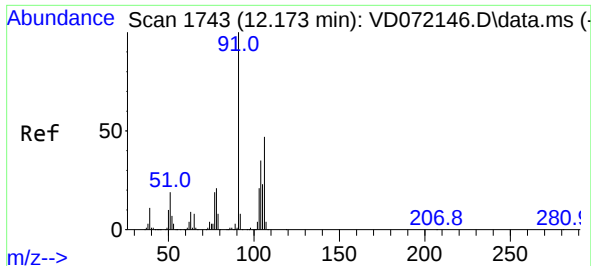
Tgt Ion: 91 Resp: 60090
Ion Ratio Lower Upper
91 100
106 29.0 24.2 36.4



#68
m/p-Xylenes
Concen: 4.099 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:106 Resp: 35430
Ion Ratio Lower Upper
106 100
91 213.4 163.7 245.5

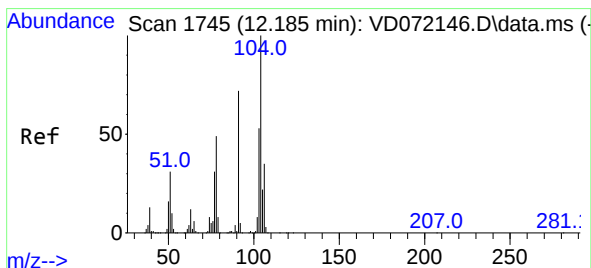
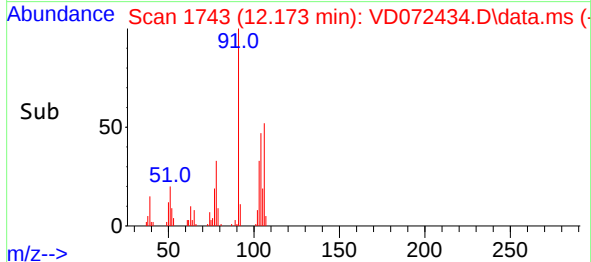
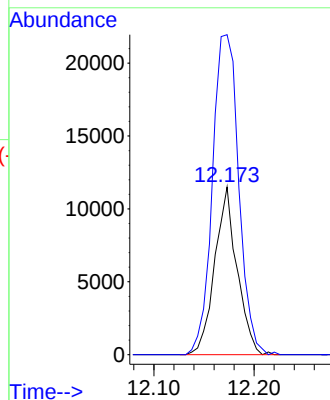
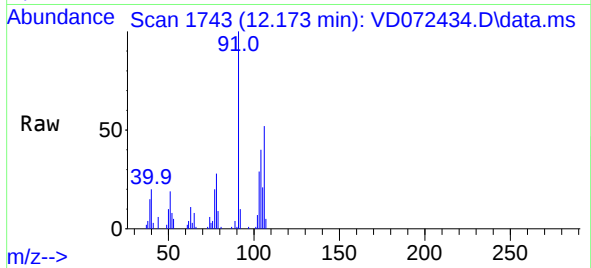




#69
o-Xylene
Concen: 2.150 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

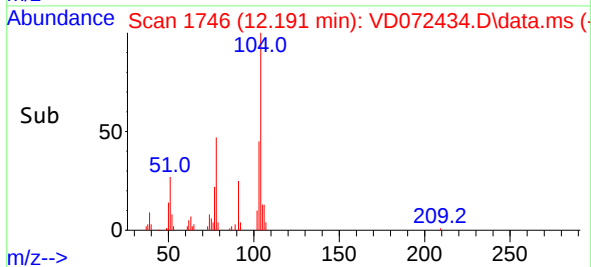
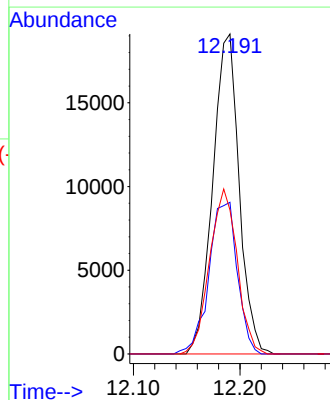
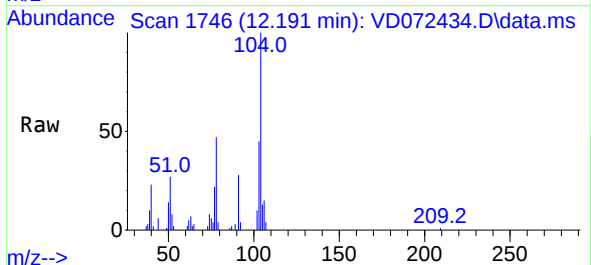
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

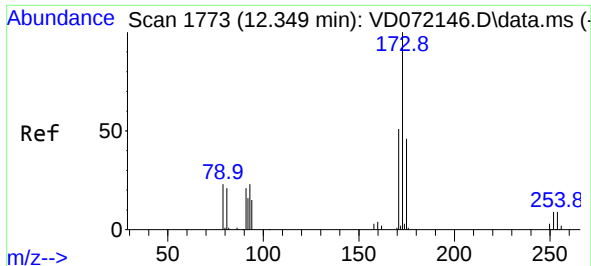
Tgt Ion:106 Resp: 17780
Ion Ratio Lower Upper
106 100
91 225.3 110.4 331.2



#70
Styrene
Concen: 2.277 ug/l
RT: 12.191 min Scan# 1746
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:104 Resp: 32877
Ion Ratio Lower Upper
104 100
78 51.1 41.8 62.8
103 53.9 44.2 66.4

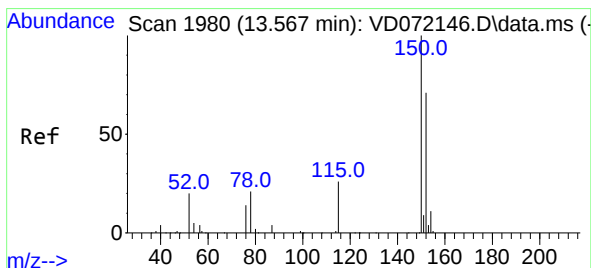
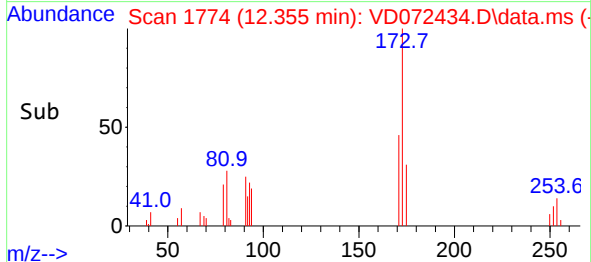
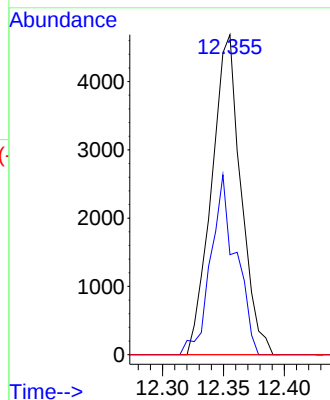
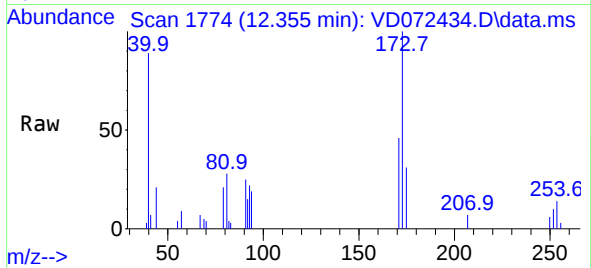




#71
Bromoform
Concen: 2.921 ug/l
RT: 12.355 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

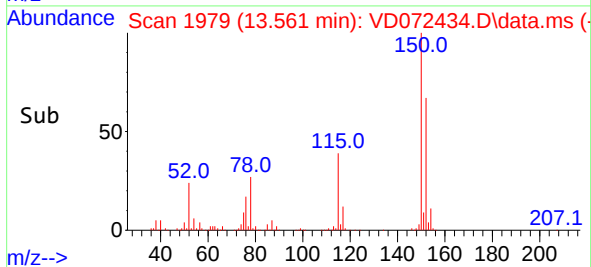
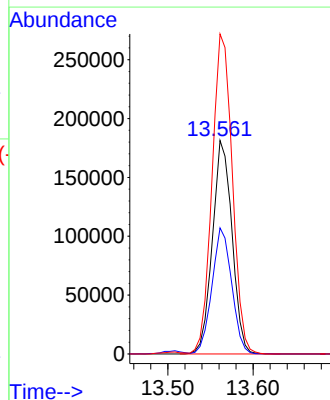
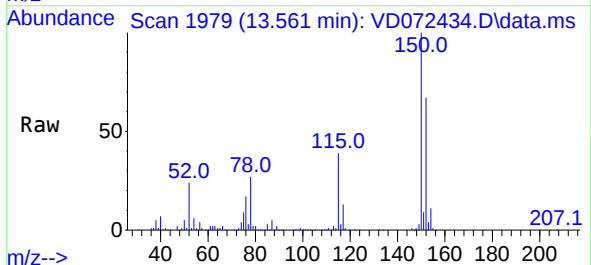
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

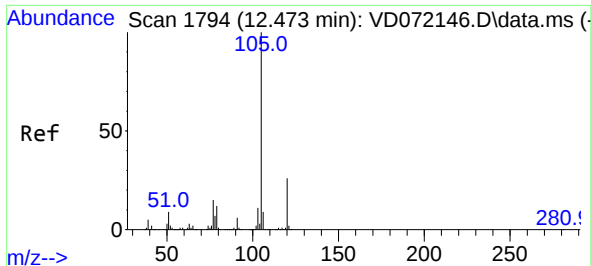
Tgt Ion:173 Resp: 7866
Ion Ratio Lower Upper
173 100
175 48.4 23.9 71.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:152 Resp: 289641
Ion Ratio Lower Upper
152 100
115 59.5 31.3 93.8
150 155.3 0.0 348.6

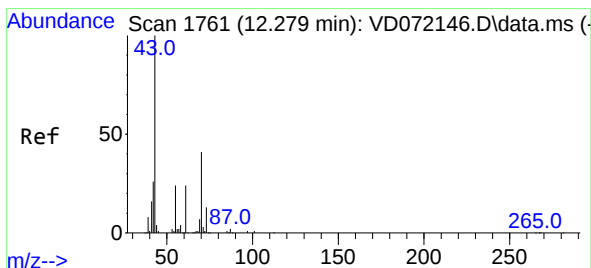
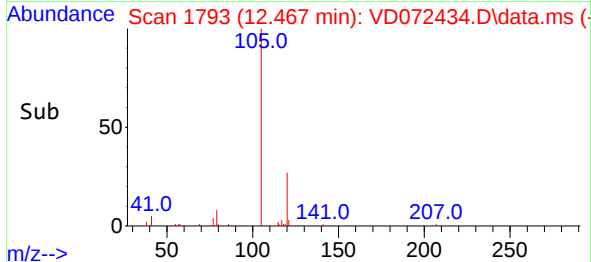
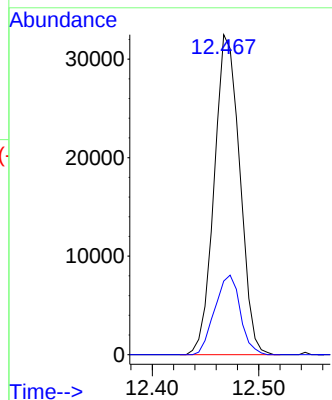
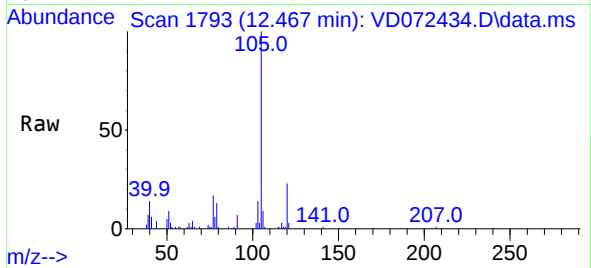




#73
Isopropylbenzene
Concen: 2.358 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

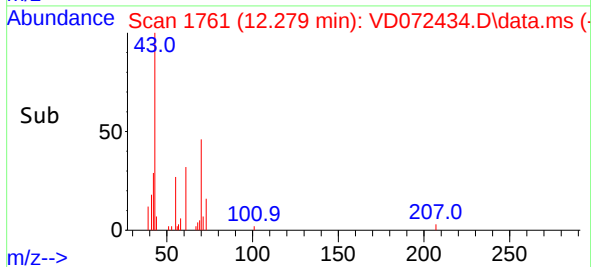
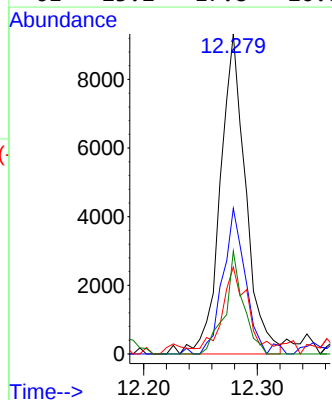
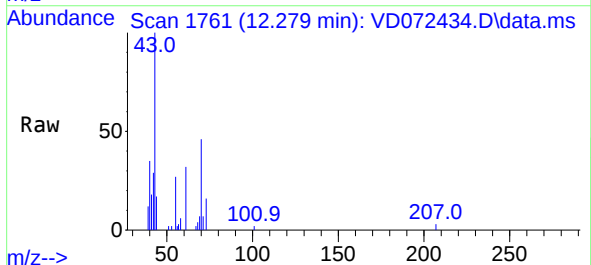
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

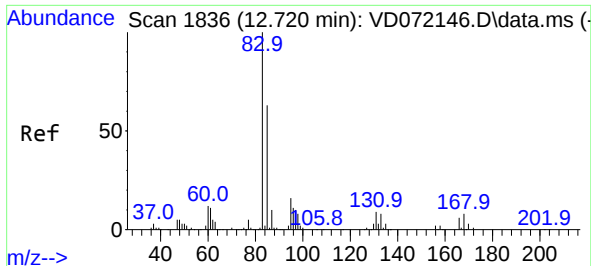
Tgt Ion:105 Resp: 54119
Ion Ratio Lower Upper
105 100
120 24.8 13.0 38.9



#74
N-ethyl acetate
Concen: 2.931 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 43 Resp: 14456
Ion Ratio Lower Upper
43 100
70 39.6 31.3 46.9
55 25.1 20.0 30.0
61 23.2 17.8 26.8

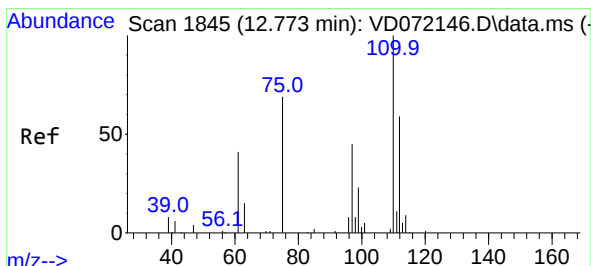
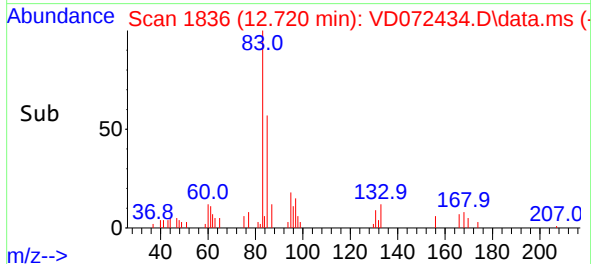
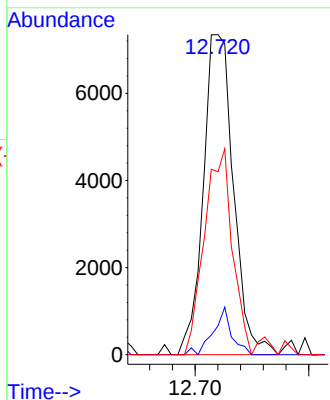
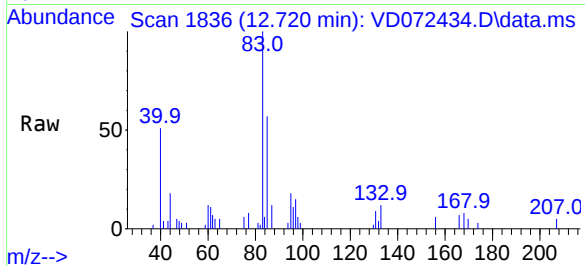




#75
1,1,2,2-Tetrachloroethane
Concen: 3.311 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

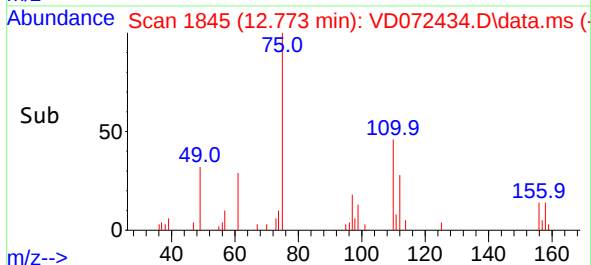
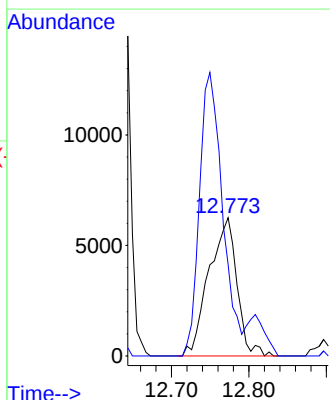
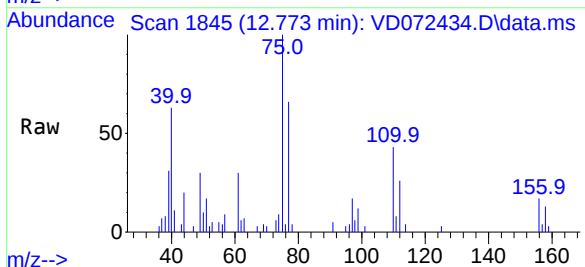
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2022

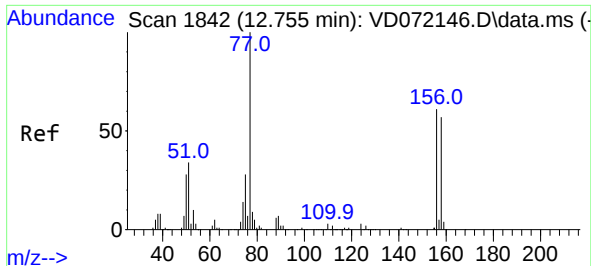
Tgt Ion: 83 Resp: 13593
Ion Ratio Lower Upper
83 100
131 9.1 5.0 14.9
85 59.4 32.6 98.0



#76
1,2,3-Trichloropropane
Concen: 4.924 ug/l
RT: 12.773 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 75 Resp: 15731
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

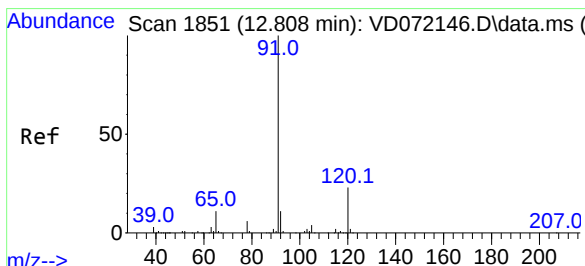
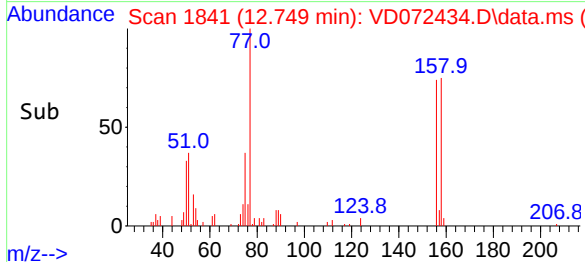
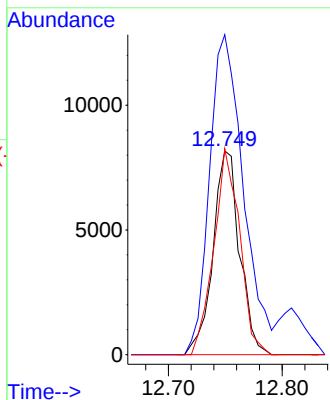
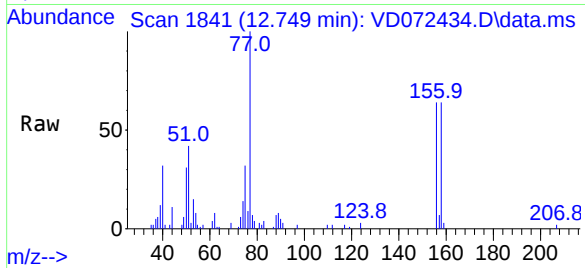




#77
Bromobenzene
Concen: 2.577 ug/l
RT: 12.749 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

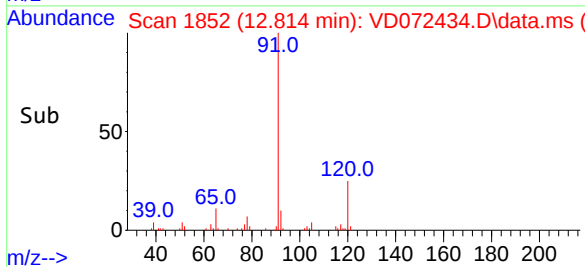
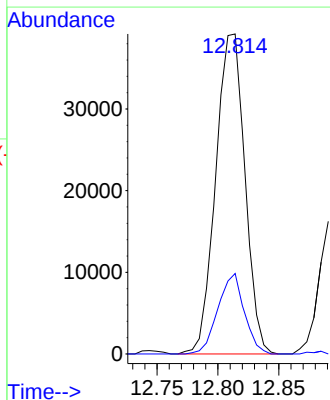
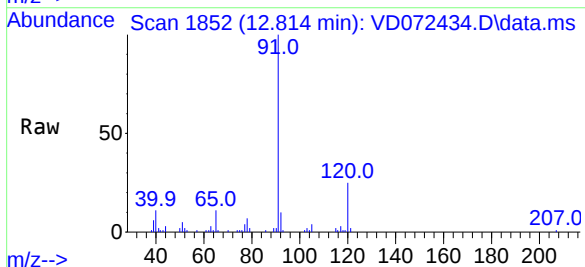
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

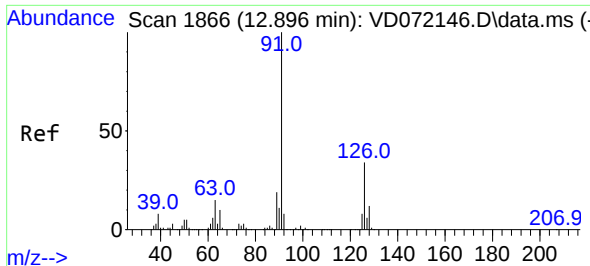
Tgt Ion:156 Resp: 13313
Ion Ratio Lower Upper
156 100
77 199.0 102.8 308.3
158 98.6 48.7 146.1



#78
n-propylbenzene
Concen: 2.348 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 91 Resp: 65464
Ion Ratio Lower Upper
91 100
120 22.6 10.9 32.9

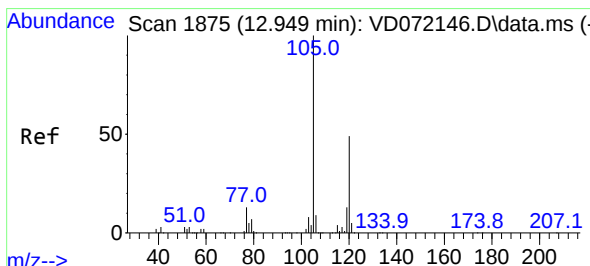
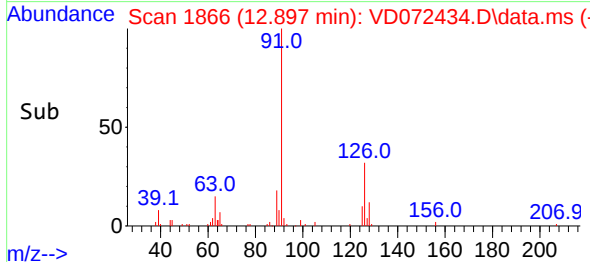
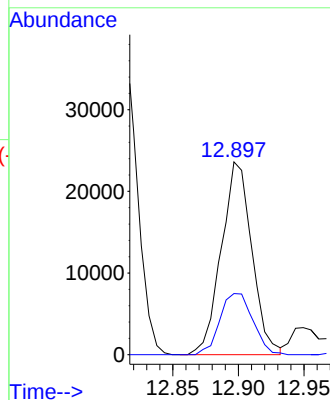
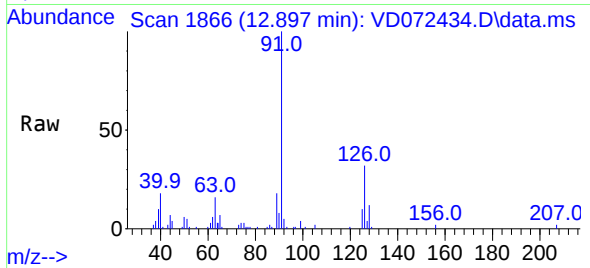




#79
2-Chlorotoluene
Concen: 2.382 ug/l
RT: 12.897 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

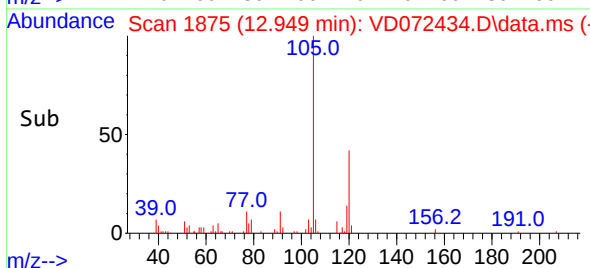
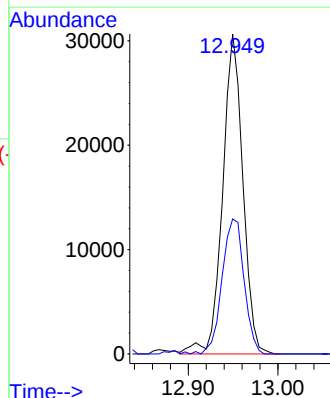
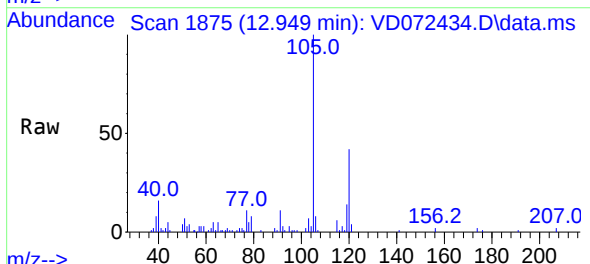
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

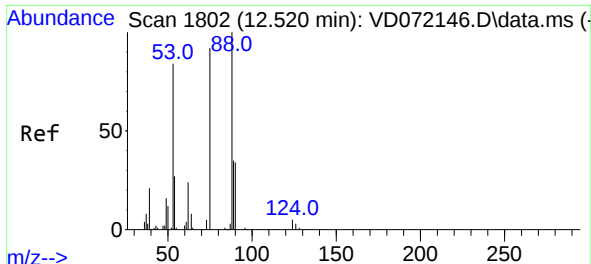
Tgt Ion: 91 Resp: 38396
Ion Ratio Lower Upper
91 100
126 34.2 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 2.434 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 105 Resp: 47991
Ion Ratio Lower Upper
105 100
120 45.8 24.3 72.8

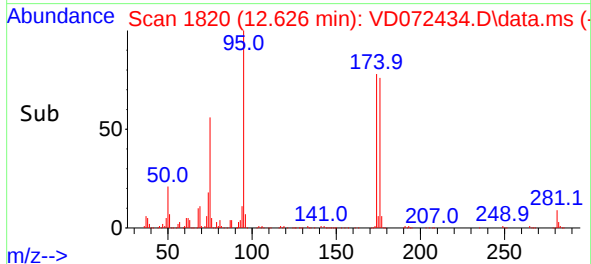
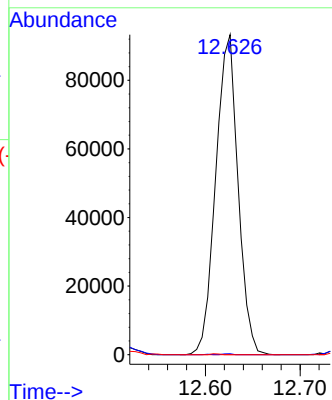
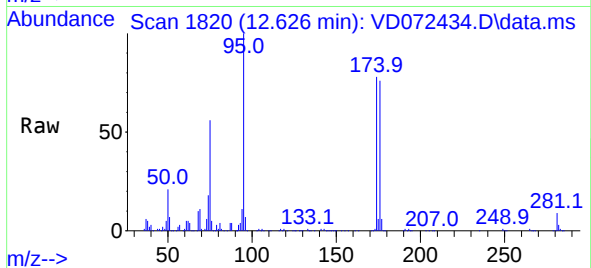




#81
trans-1,4-Dichloro-2-butene
Concen: 118.557 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

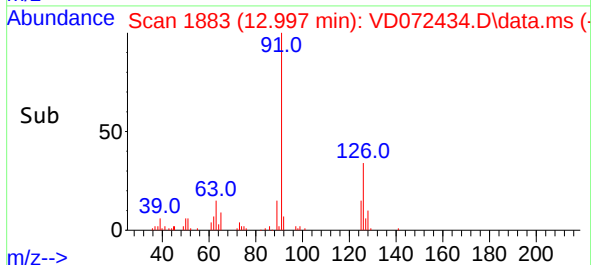
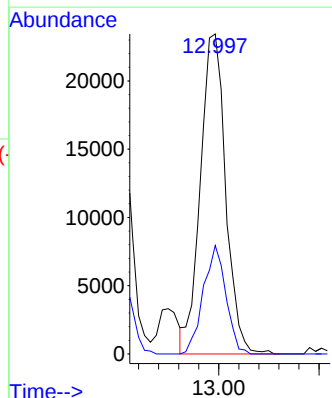
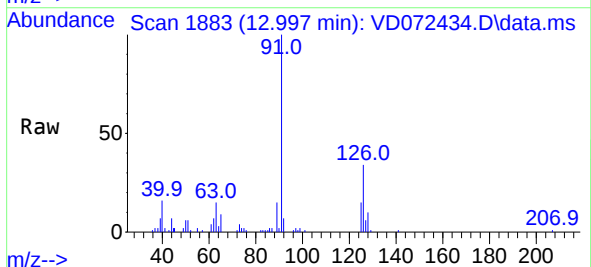
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2022

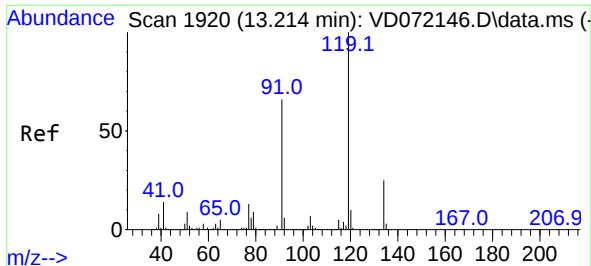
Tgt Ion: 75 Resp: 152670
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#



#82
4-Chlorotoluene
Concen: 2.464 ug/l
RT: 12.997 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion: 91 Resp: 41137
Ion Ratio Lower Upper
91 100
126 30.3 16.5 49.5

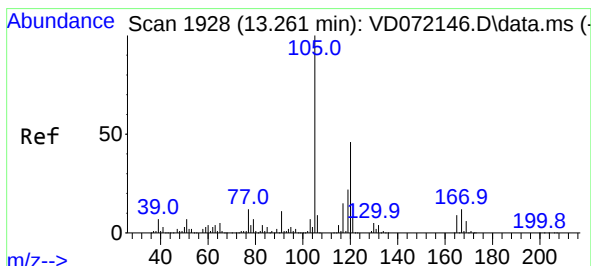
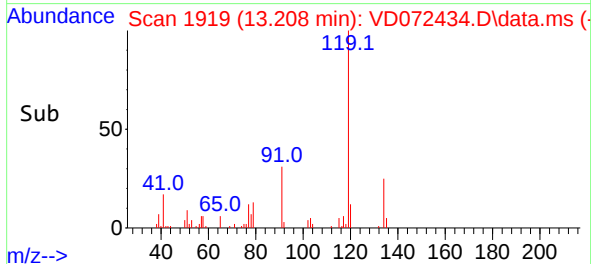
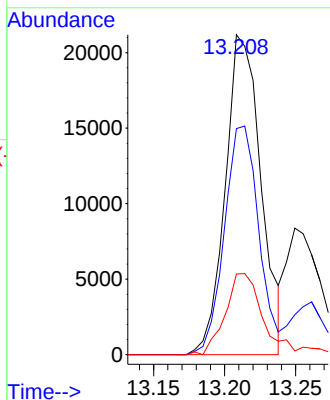
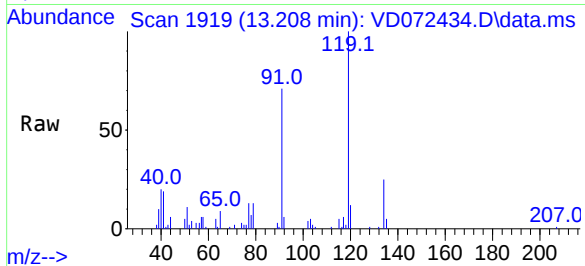




#83
tert-Butylbenzene
Concen: 2.145 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

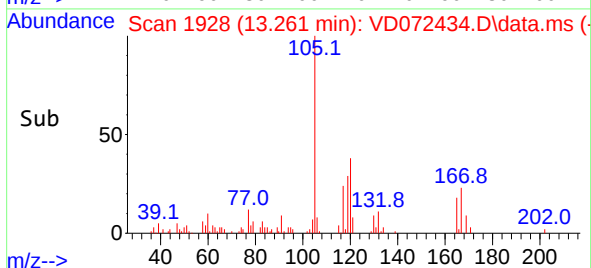
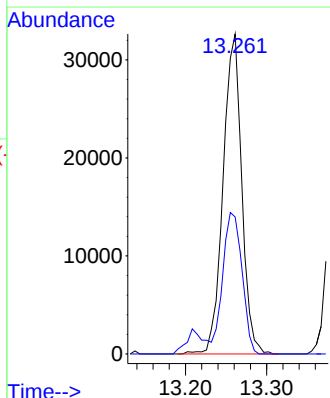
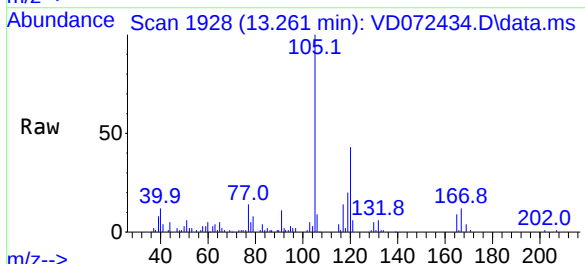
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2022

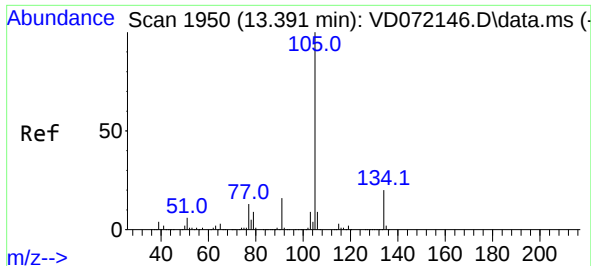
Tgt Ion:119 Resp: 37075
Ion Ratio Lower Upper
119 100
91 68.7 34.8 104.5
134 27.4 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 2.688 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:105 Resp: 52226
Ion Ratio Lower Upper
105 100
120 45.4 22.3 66.8

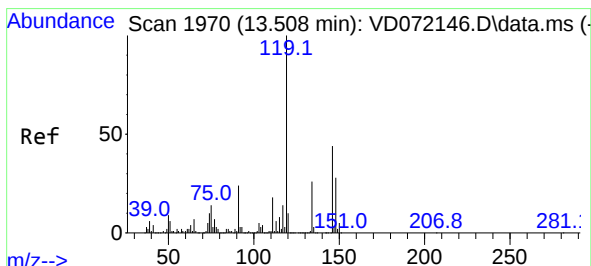
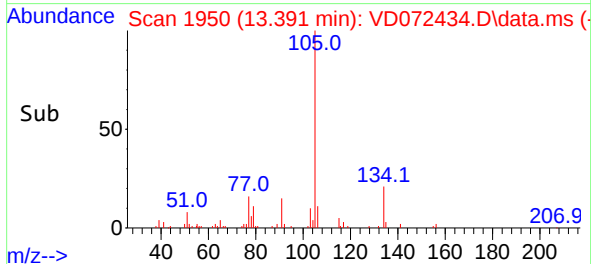
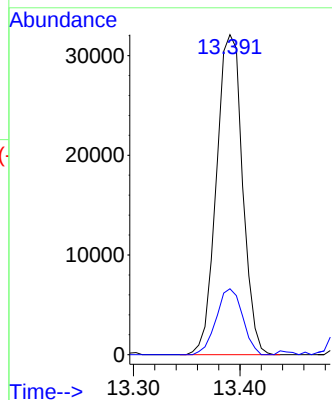
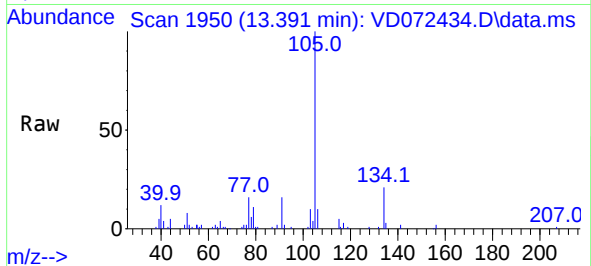




#85
sec-Butylbenzene
Concen: 2.103 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

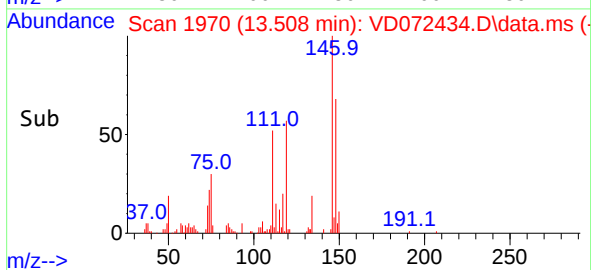
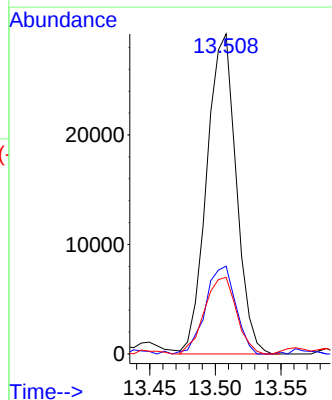
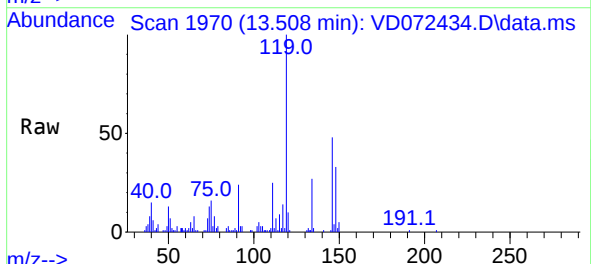
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2022

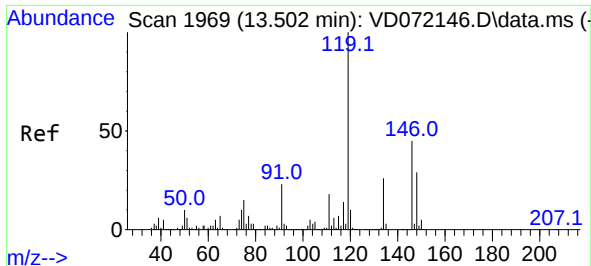
Tgt Ion:105 Resp: 54584
Ion Ratio Lower Upper
105 100
134 20.8 9.8 29.3



#86
p-Isopropyltoluene
Concen: 2.136 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:119 Resp: 45622
Ion Ratio Lower Upper
119 100
134 28.2 12.9 38.6
91 25.9 12.1 36.3

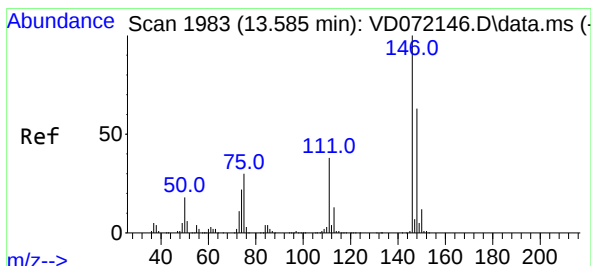
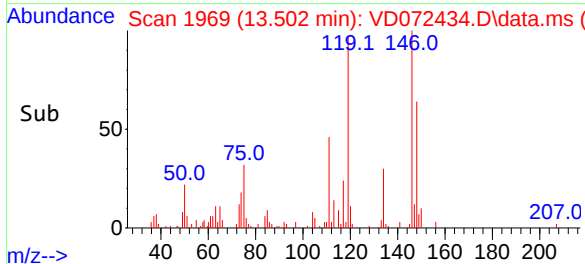
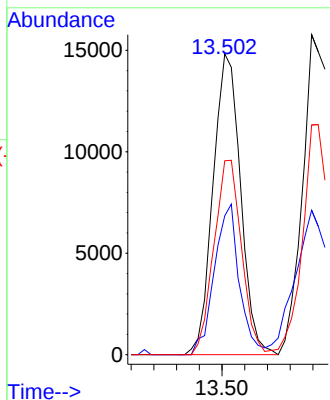
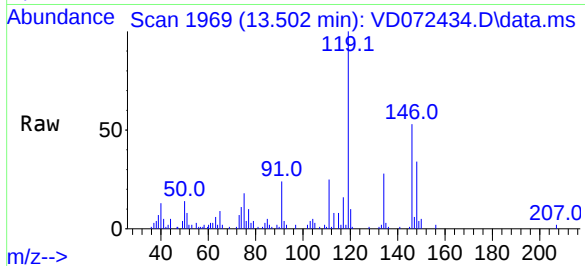




#87
1,3-Dichlorobenzene
Concen: 2.302 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

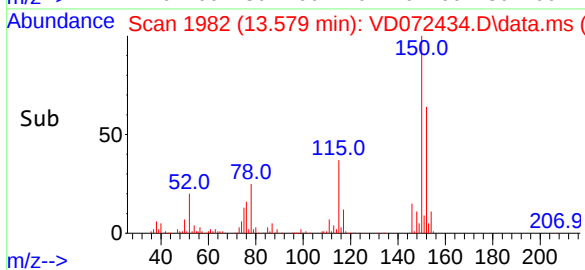
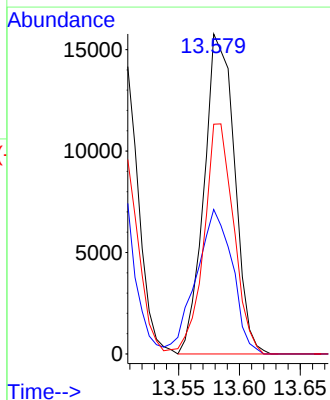
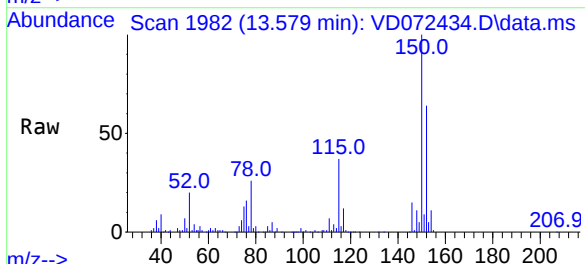
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

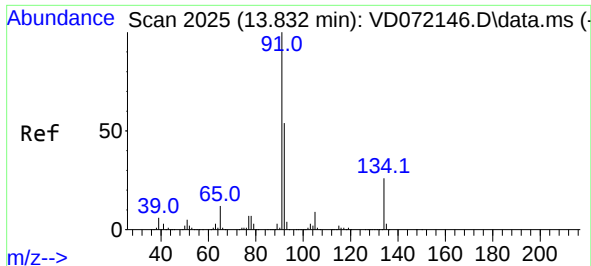
Tgt Ion:	146	Resp:	24925
Ion	Ratio	Lower	Upper
146	100		
111	45.6	20.4	61.3
148	64.8	31.9	95.7



#88
1,4-Dichlorobenzene
Concen: 2.553 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:	146	Resp:	27406
Ion	Ratio	Lower	Upper
146	100		
111	53.7	20.3	60.9
148	70.1	31.7	95.1

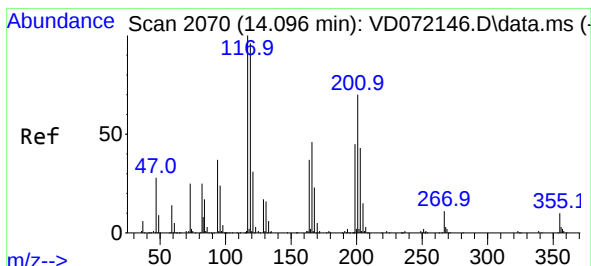
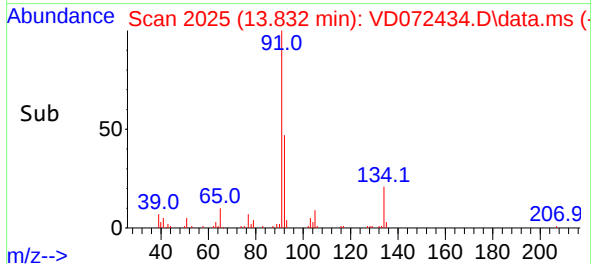
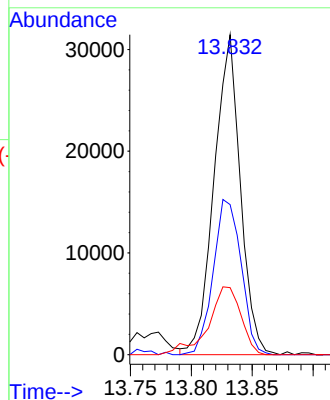
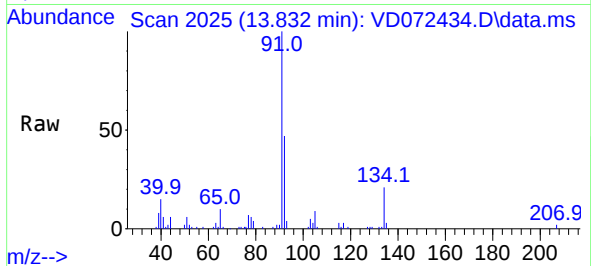




#89
n-Butylbenzene
Concen: 2.318 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

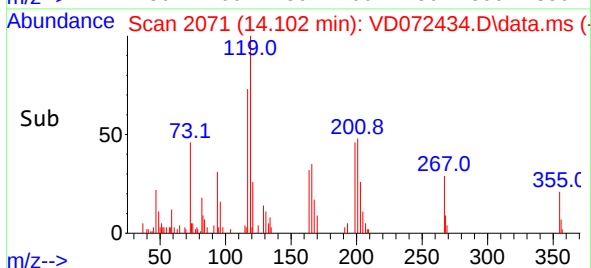
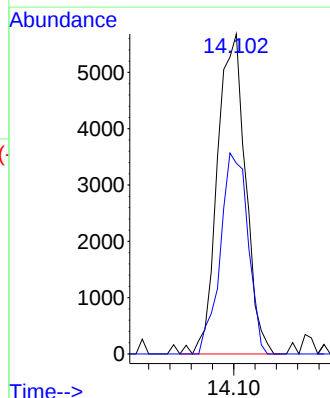
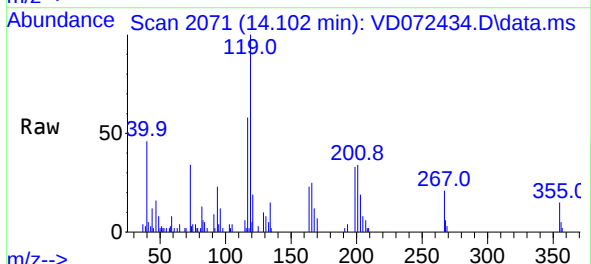
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

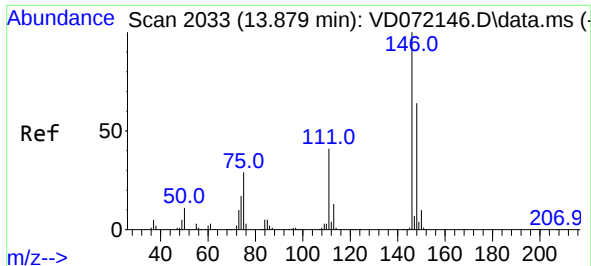
Tgt Ion:	91	Resp:	47207
Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.6	79.8
134	26.3	12.3	36.9



#90
Hexachloroethane
Concen: 2.487 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:	117	Resp:	10414
Ion	Ratio	Lower	Upper
117	100		
201	61.7	33.4	100.2





#91

1,2-Dichlorobenzene

Concen: 2.594 ug/l

RT: 13.879 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VD072434.D

Acq: 25 Mar 2022 17:38

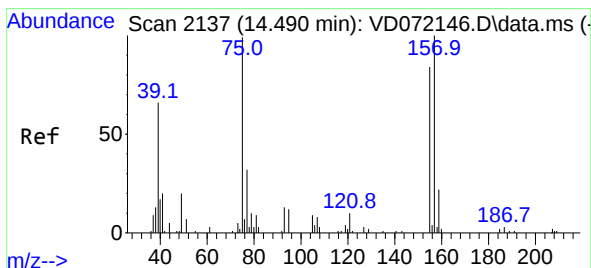
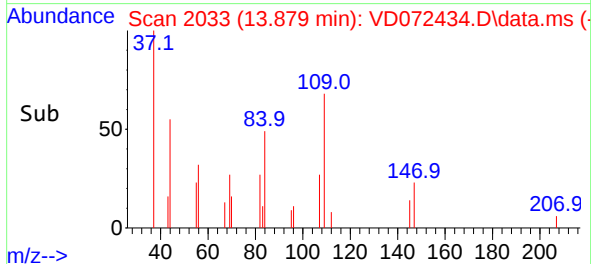
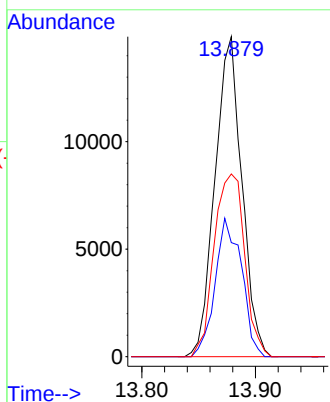
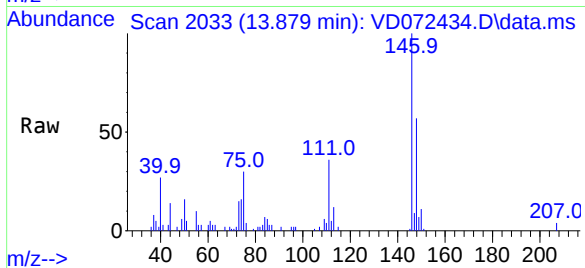
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:	146	Resp:	24483
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.3
148	64.7	31.7	95.1



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.839 ug/l

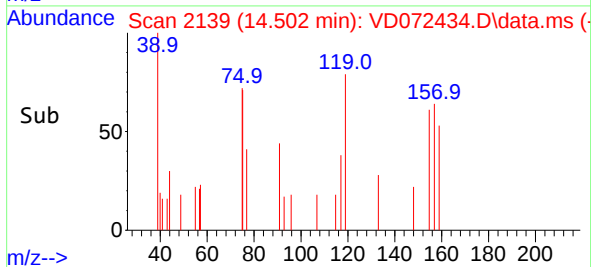
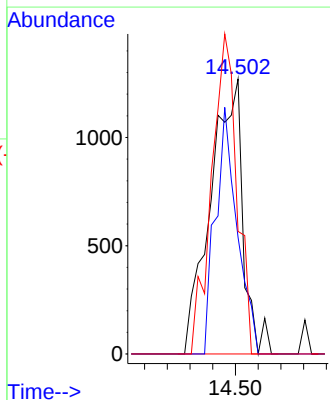
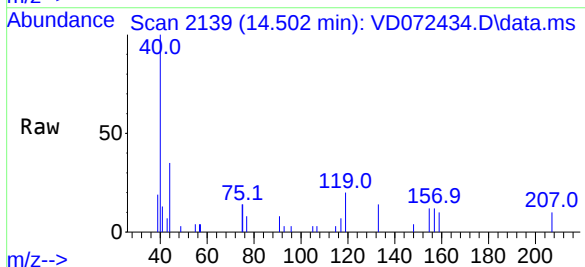
RT: 14.502 min Scan# 2139

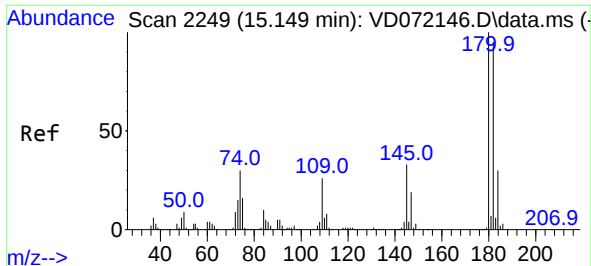
Delta R.T. 0.012 min

Lab File: VD072434.D

Acq: 25 Mar 2022 17:38

Tgt Ion:	75	Resp:	2515
Ion	Ratio	Lower	Upper
75	100		
155	59.9	36.8	110.3
157	91.1	48.4	145.0

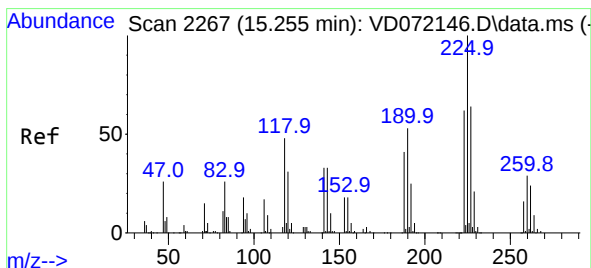
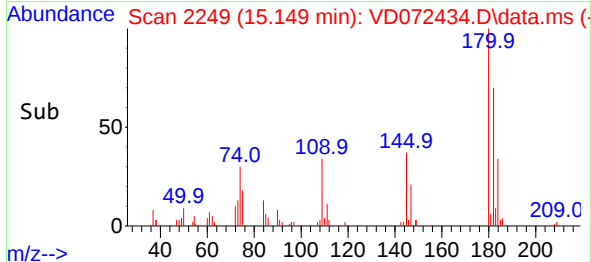
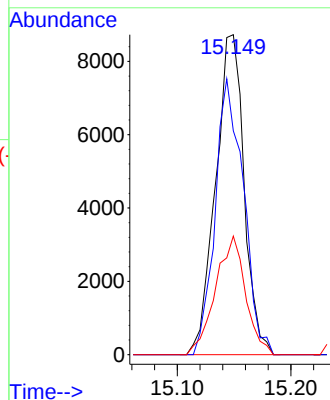
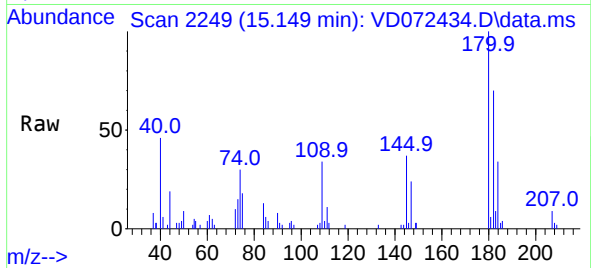




#93
1,2,4-Trichlorobenzene
Concen: 2.437 ug/l
RT: 15.149 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

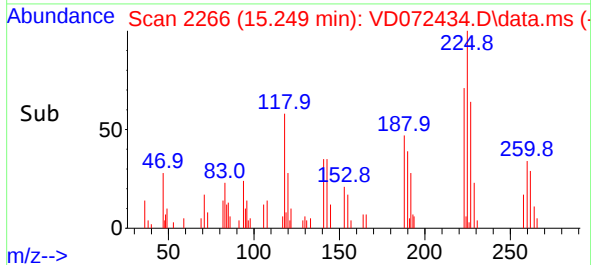
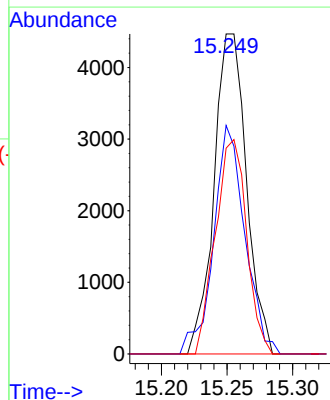
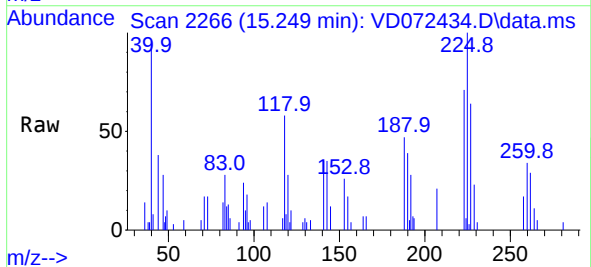
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:	180	Resp:	15231
Ion Ratio	Lower	Upper	
180	100		
182	85.4	47.3	142.0
145	39.1	16.2	48.5



#94
Hexachlorobutadiene
Concen: 2.115 ug/l
RT: 15.249 min Scan# 2266
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:	225	Resp:	7689
Ion Ratio	Lower	Upper	
225	100		
223	68.8	31.1	93.2
227	64.4	32.4	97.0

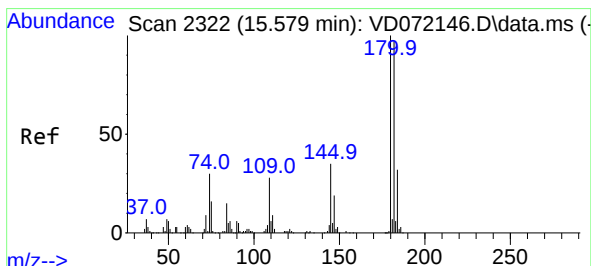
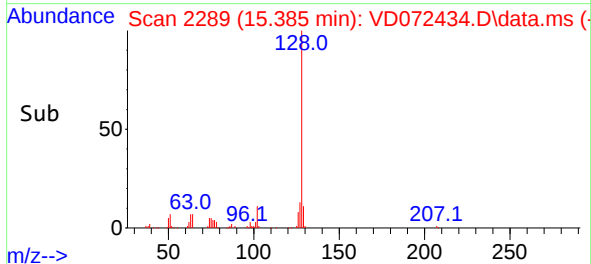
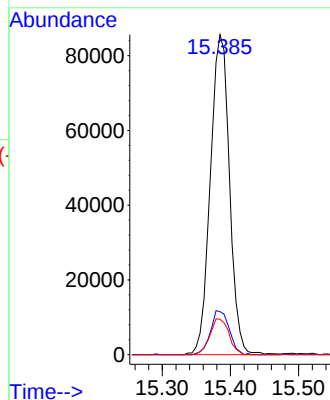
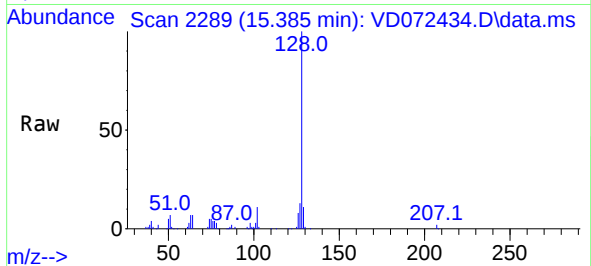




#95
Naphthalene
Concen: 15.547 ug/l
RT: 15.385 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:128 Resp: 167489
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 11.1 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 2.498 ug/l
RT: 15.573 min Scan# 2321
Delta R.T. -0.006 min
Lab File: VD072434.D
Acq: 25 Mar 2022 17:38

Tgt Ion:180 Resp: 13515
Ion Ratio Lower Upper
180 100
182 96.8 47.6 142.9
145 34.7 17.1 51.3

