

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074191.D
 Acq On : 23 Aug 2022 18:16
 Operator : VA/SY
 Sample : N3980-03 2.5PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Quant Time: Aug 24 06:09:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 24 06:08:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	148352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	256241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	240547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	117417	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	74101	48.882	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.760%
35) Dibromofluoromethane	7.903	113	80021	46.688	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.380%
50) Toluene-d8	10.326	98	241400	43.762	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.520%
62) 4-Bromofluorobenzene	12.620	95	101068	46.378	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.760%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.991	85	10683	8.581	ug/l	93
3) Chloromethane	2.203	50	2963	3.341	ug/l	94
4) Vinyl Chloride	2.344	62	3001	3.223	ug/l #	83
5) Bromomethane	2.762	94	2365	3.933	ug/l #	77
6) Chloroethane	2.909	64	2044	3.383	ug/l	93
7) Trichlorofluoromethane	3.256	101	8778	3.245	ug/l	88
8) Diethyl Ether	3.703	74	1265	1.740	ug/l	70
9) 1,1,2-Trichlorotrifluo...	4.079	101	5424	3.314	ug/l #	85
10) Methyl Iodide	4.285	142	4185	2.331	ug/l #	94
11) Tert butyl alcohol	5.220	59	1964	20.805	ug/l #	74
12) 1,1-Dichloroethene	4.050	96	4512	3.082	ug/l #	61
13) Acrolein	3.909	56	608	13.720	ug/l #	61
14) Allyl chloride	4.709	41	6471	2.824	ug/l #	92
15) Acrylonitrile	5.420	53	4870	14.409	ug/l	98
16) Acetone	4.156	43	5355	18.541	ug/l	91
17) Carbon Disulfide	4.403	76	11338	2.646	ug/l #	92
18) Methyl Acetate	4.720	43	4212	4.626	ug/l #	86
19) Methyl tert-butyl Ether	5.473	73	9952	2.839	ug/l #	80
20) Methylene Chloride	4.956	84	24640	10.892	ug/l	86
21) trans-1,2-Dichloroethene	5.456	96	4895	2.860	ug/l #	63
22) Diisopropyl ether	6.361	45	12331	2.624	ug/l #	92
23) Vinyl Acetate	6.309	43	20663	8.602	ug/l #	87
24) 1,1-Dichloroethane	6.261	63	9382	3.028	ug/l	96
25) 2-Butanone	7.208	43	9561	21.384	ug/l #	89
26) 2,2-Dichloropropane	7.197	77	10454	3.745	ug/l #	73
27) cis-1,2-Dichloroethene	7.203	96	5232	2.720	ug/l	81
28) Bromochloromethane	7.532	49	2799	2.989	ug/l #	76
29) Tetrahydrofuran	7.573	42	3936	14.587	ug/l	98
30) Chloroform	7.703	83	9270	2.838	ug/l	94
31) Cyclohexane	7.967	56	10212	3.785	ug/l #	58
32) 1,1,1-Trichloroethane	7.897	97	9093	3.004	ug/l	95
36) 1,1-Dichloropropene	8.097	75	7734	2.985	ug/l	96
37) Ethyl Acetate	7.285	43	2778	2.720	ug/l #	97
38) Carbon Tetrachloride	8.085	117	6760	2.429	ug/l #	91
39) Methylcyclohexane	9.344	83	7595	2.569	ug/l	91
40) Benzene	8.344	78	18440	2.525	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	1684	2.743	ug/l	94
42) 1,2-Dichloroethane	8.414	62	5752	2.672	ug/l	95
43) Isopropyl Acetate	8.450	43	5932	2.887	ug/l #	97
44) Trichloroethene	9.103	130	6412	3.029	ug/l	90
45) 1,2-Dichloropropane	9.379	63	4789	2.627	ug/l	97
46) Dibromomethane	9.461	93	2537	2.495	ug/l	92
47) Bromodichloromethane	9.655	83	7279	2.752	ug/l #	82
48) Methyl methacrylate	9.444	41	2780	2.927	ug/l	97
49) 1,4-Dioxane	9.450	88	516	44.717	ug/l #	76
51) 4-Methyl-2-Pentanone	10.214	43	13645	13.294	ug/l	93
52) Toluene	10.397	92	12869	2.681	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	6167	2.571	ug/l	93
54) cis-1,3-Dichloropropene	10.085	75	7092	2.494	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	4027	2.895	ug/l	94
56) Ethyl methacrylate	10.650	69	3883	2.444	ug/l #	90
57) 1,3-Dichloropropane	10.938	76	6423	2.764	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.932	63	5287	10.993	ug/l	94
59) 2-Hexanone	10.973	43	8926	12.898	ug/l	98
60) Dibromochloromethane	11.132	129	4847	2.684	ug/l	98
61) 1,2-Dibromoethane	11.232	107	3598	2.652	ug/l	89
64) Tetrachloroethene	10.867	164	5680	3.236	ug/l	90
65) Chlorobenzene	11.655	112	14194	2.707	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.732	131	5059	2.567	ug/l	97
67) Ethyl Benzene	11.732	91	23418	2.610	ug/l	93
68) m/p-Xylenes	11.838	106	17200	4.813	ug/l	93
69) o-Xylene	12.167	106	8025	2.434	ug/l	93
70) Styrene	12.179	104	12688	2.244	ug/l	98
71) Bromoform	12.349	173	2944	2.746	ug/l #	92
73) Isopropylbenzene	12.461	105	21392	2.516	ug/l	96
74) N-amyl acetate	12.273	43	4354	2.354	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.714	83	4298	2.831	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	5508	4.804	ug/l #	100
77) Bromobenzene	12.749	156	5741	2.850	ug/l	88
78) n-propylbenzene	12.802	91	26974	2.594	ug/l	94
79) 2-Chlorotoluene	12.896	91	16686	2.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.944	105	19186	2.627	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.620	75	51659	115.874	ug/l #	7
82) 4-Chlorotoluene	12.991	91	16748	2.637	ug/l	96
83) tert-Butylbenzene	13.208	119	16434	2.671	ug/l	94
84) 1,2,4-Trimethylbenzene	13.249	105	17276	2.430	ug/l	95
85) sec-Butylbenzene	13.385	105	23052	2.479	ug/l	98
86) p-Isopropyltoluene	13.496	119	17919	2.335	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	11939	2.930	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	12023	2.929	ug/l	86
89) n-Butylbenzene	13.826	91	18693	2.570	ug/l	99
90) Hexachloroethane	14.090	117	4443	2.854	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	10098	2.850	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.479	75	739	2.973	ug/l	96
93) 1,2,4-Trichlorobenzene	15.137	180	5977	2.764	ug/l	93
94) Hexachlorobutadiene	15.243	225	3691	3.042	ug/l	97
95) Naphthalene	15.379	128	10384	2.654	ug/l	97
96) 1,2,3-Trichlorobenzene	15.573	180	5507	2.920	ug/l	95

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QLast Update : Wed Aug 24 06:08:51 2022
Response via : Initial Calibration

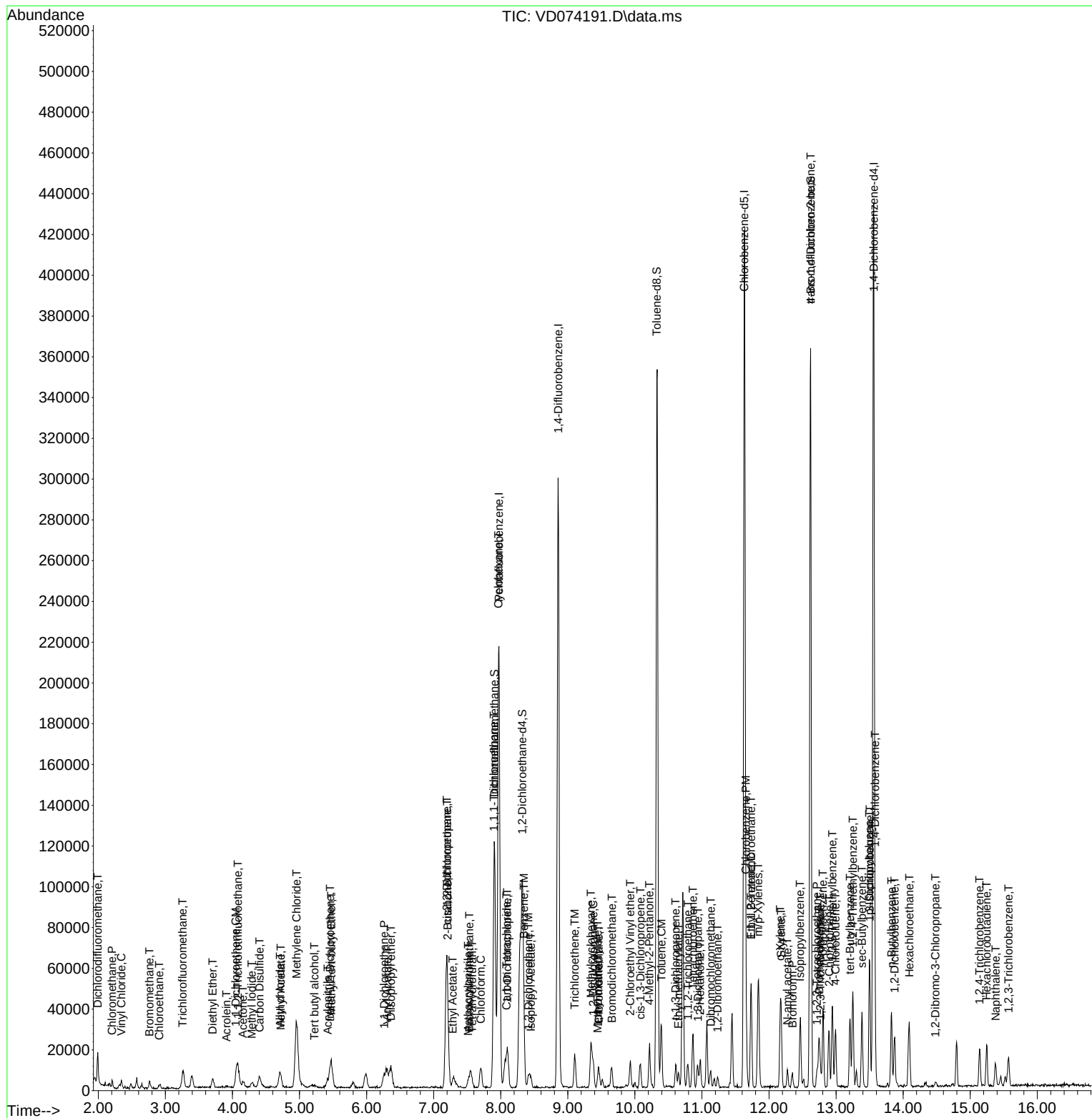
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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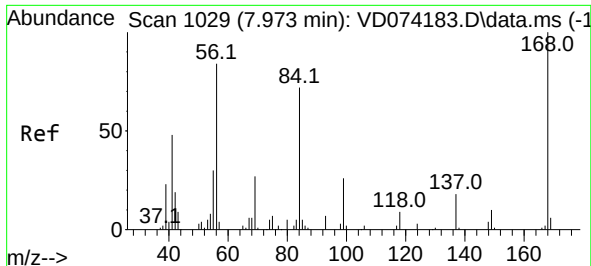
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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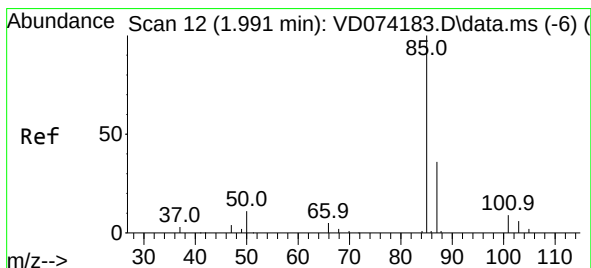
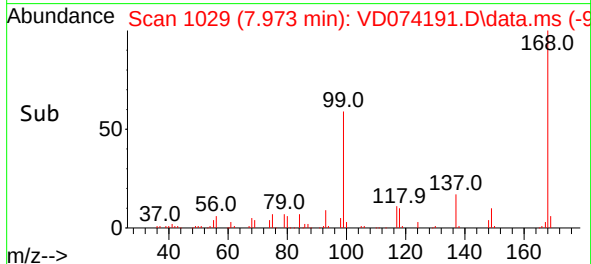
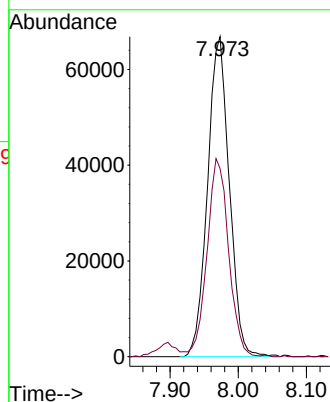
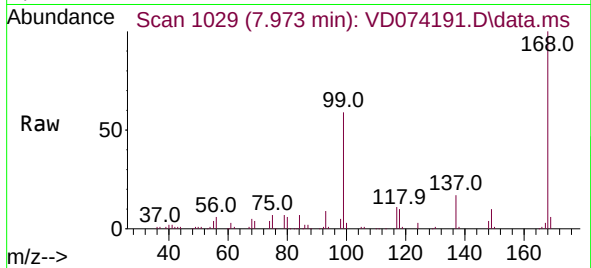




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074191.D
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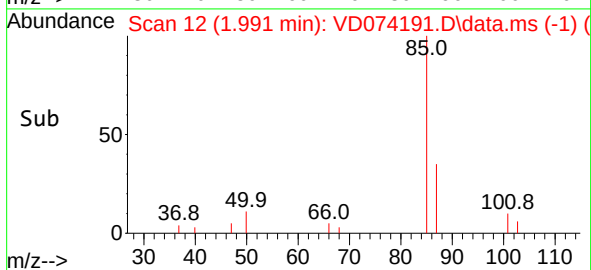
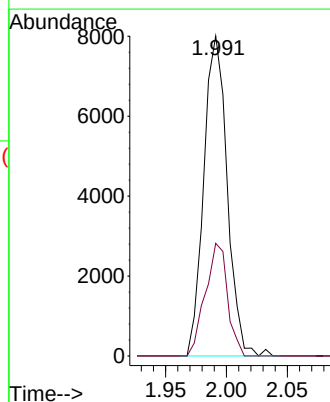
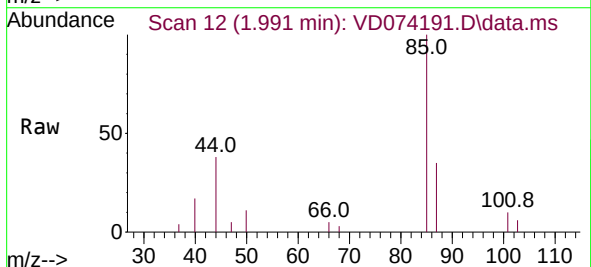
Instrument :
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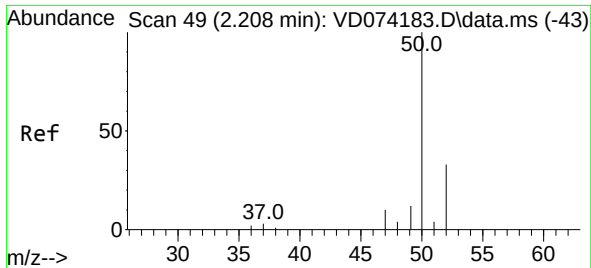
Tgt Ion:168 Resp: 148352
Ion Ratio Lower Upper
168 100
99 58.8 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 8.581 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 85 Resp: 10683
Ion Ratio Lower Upper
85 100
87 35.2 15.7 47.0

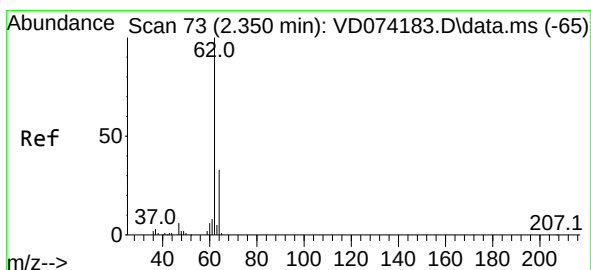
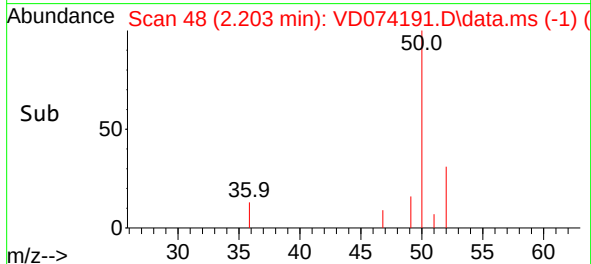
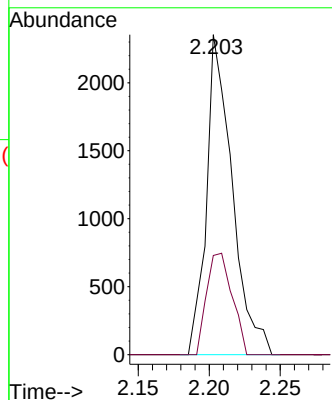
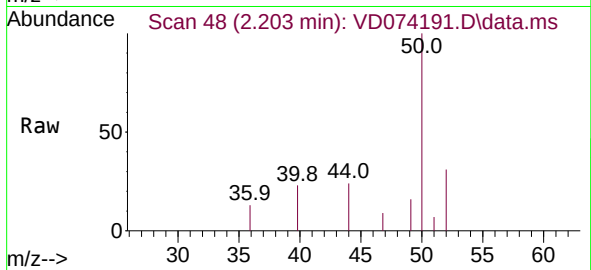




#3
Chloromethane
Concen: 3.341 ug/l
RT: 2.203 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

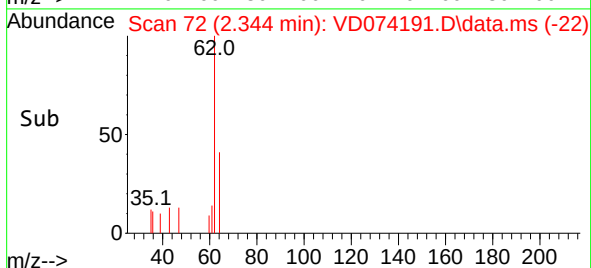
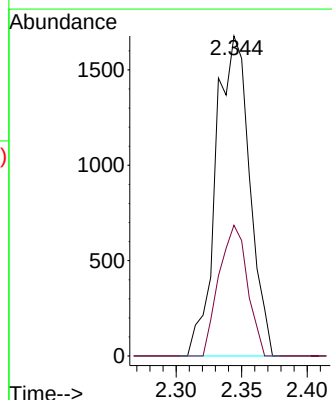
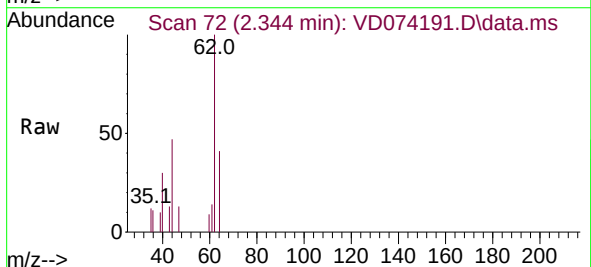
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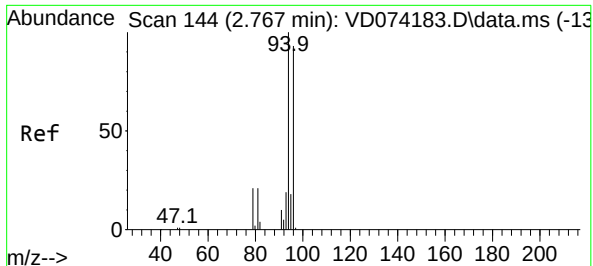
Tgt Ion: 50 Resp: 2963
Ion Ratio Lower Upper
50 100
52 31.0 27.4 41.0



#4
Vinyl Chloride
Concen: 3.223 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 62 Resp: 3001
Ion Ratio Lower Upper
62 100
64 40.9 25.4 38.0#

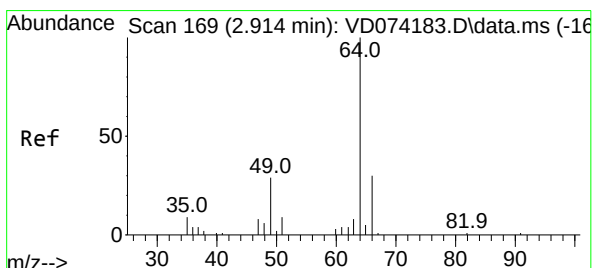
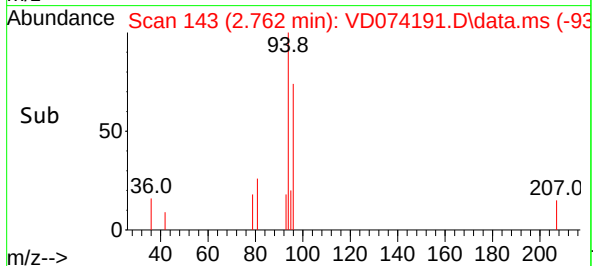
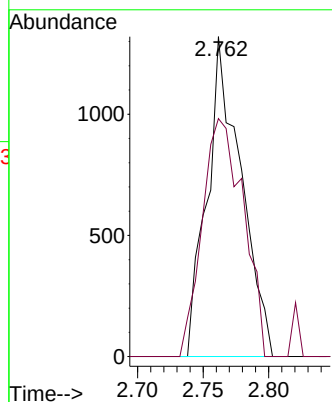
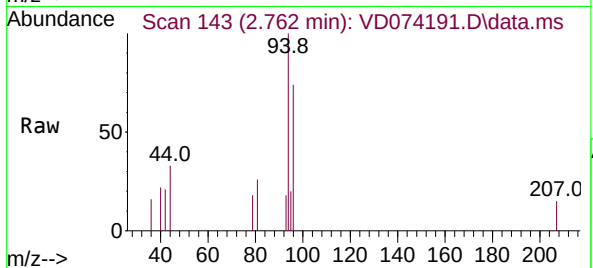




#5
Bromomethane
Concen: 3.933 ug/l
RT: 2.762 min Scan# 144
Delta R.T. -0.005 min
Lab File: VD074191.D
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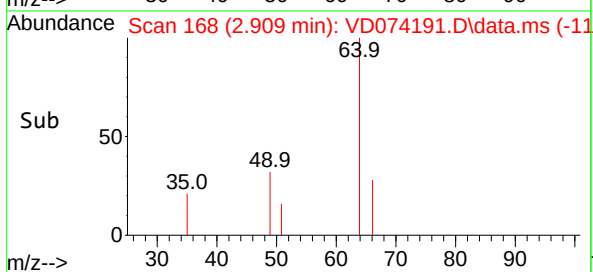
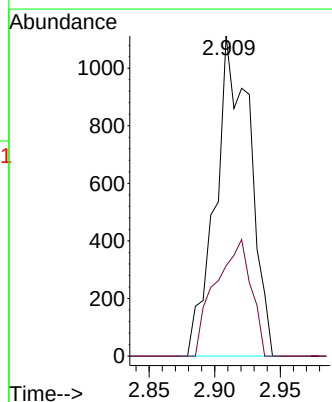
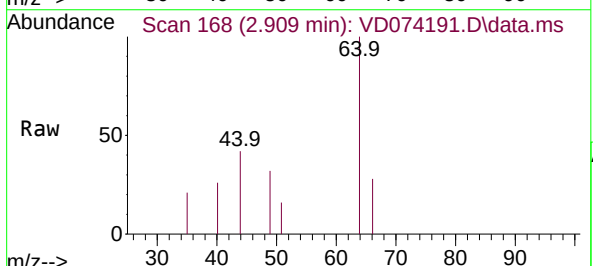
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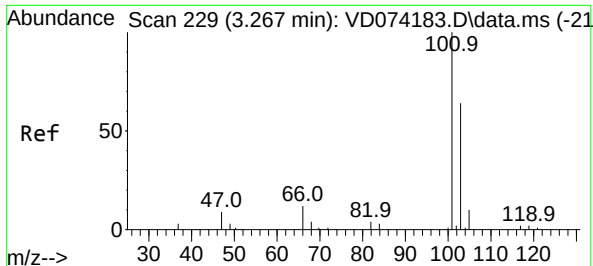
Tgt Ion: 94 Resp: 2365
Ion Ratio Lower Upper
94 100
96 74.4 77.6 116.4#



#6
Chloroethane
Concen: 3.383 ug/l
RT: 2.909 min Scan# 168
Delta R.T. -0.005 min
Lab File: VD074191.D
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Tgt Ion: 64 Resp: 2044
Ion Ratio Lower Upper
64 100
66 28.2 25.9 38.9

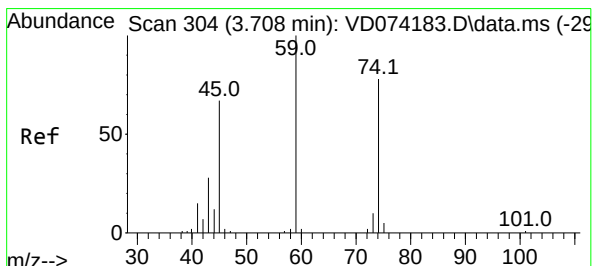
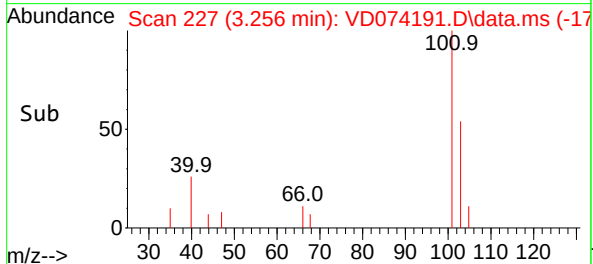
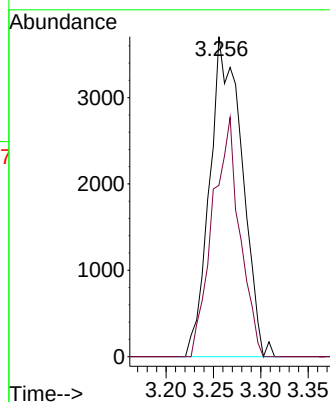
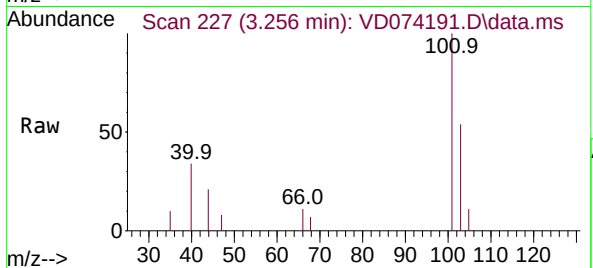




#7
Trichlorofluoromethane
Concen: 3.245 ug/l
RT: 3.256 min Scan# 21
Delta R.T. -0.011 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

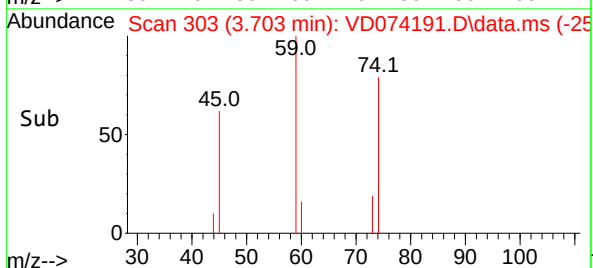
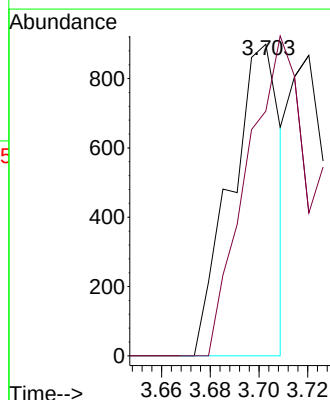
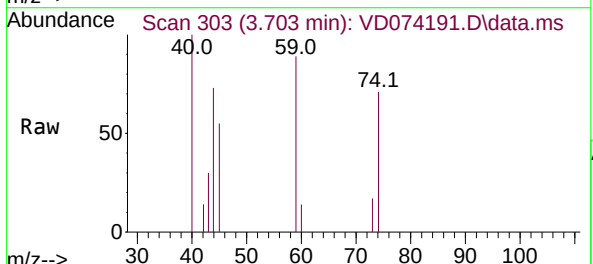
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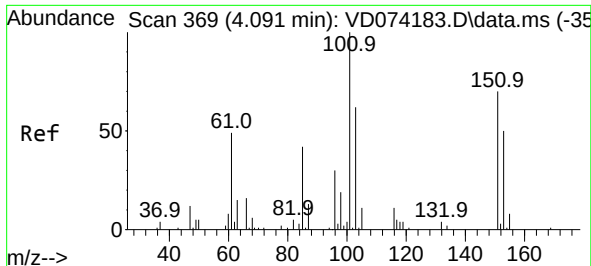
Tgt Ion:101 Resp: 8778
Ion Ratio Lower Upper
101 100
103 53.6 50.1 75.1



#8
Diethyl Ether
Concen: 1.740 ug/l
RT: 3.703 min Scan# 303
Delta R.T. -0.005 min
Lab File: VD074191.D
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Tgt Ion: 74 Resp: 1265
Ion Ratio Lower Upper
74 100
45 135.9 52.6 157.8

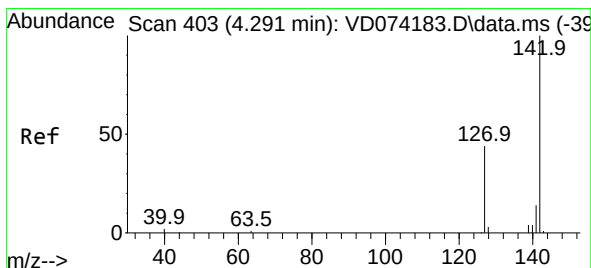
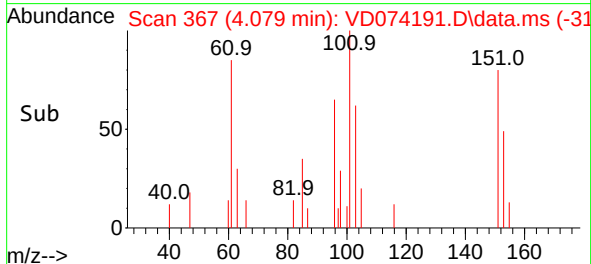
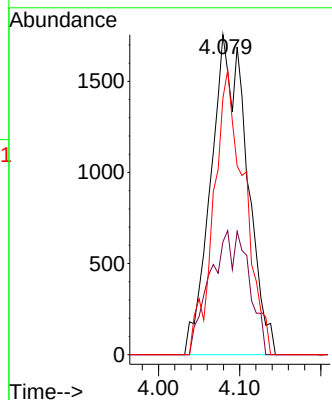
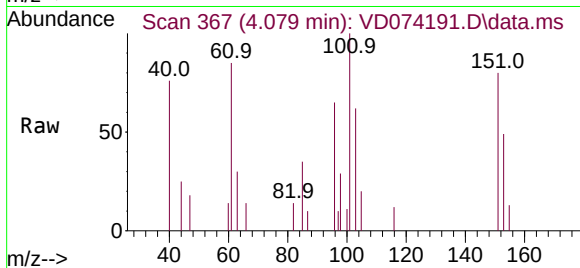




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.314 ug/l
RT: 4.079 min Scan# 30
Delta R.T. -0.012 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

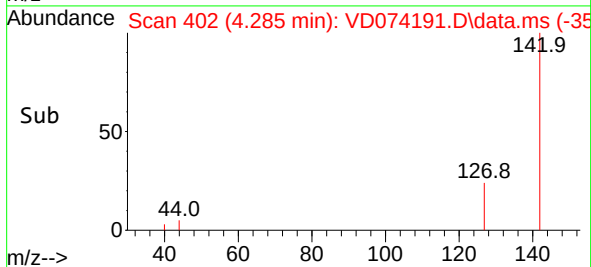
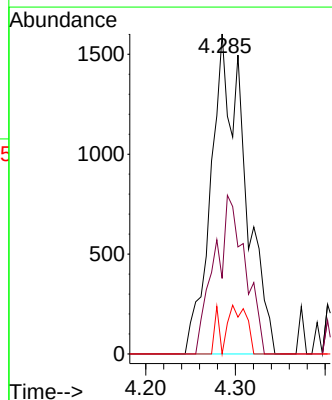
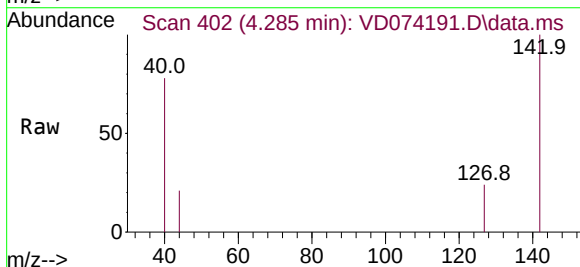
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

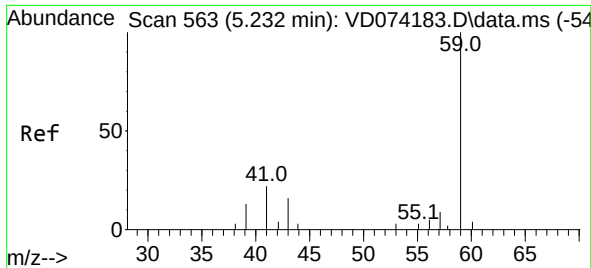
Tgt Ion:101 Resp: 5424
Ion Ratio Lower Upper
101 100
85 24.9 36.4 54.6#
151 76.1 57.3 85.9



#10
Methyl Iodide
Concen: 2.331 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.006 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion:142 Resp: 4185
Ion Ratio Lower Upper
142 100
127 44.8 37.3 55.9
141 8.2 11.7 17.5#

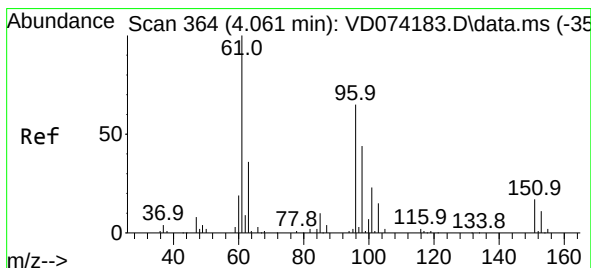
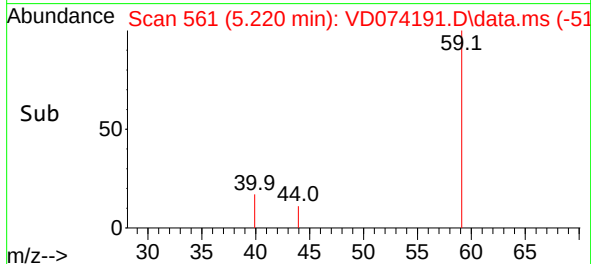
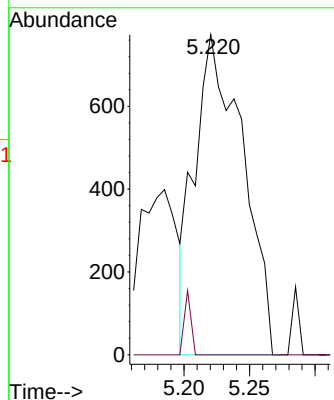
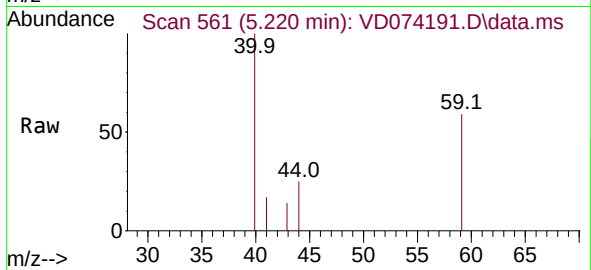




#11
Tert butyl alcohol
Concen: 20.805 ug/l
RT: 5.220 min Scan# 50
Delta R.T. -0.012 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

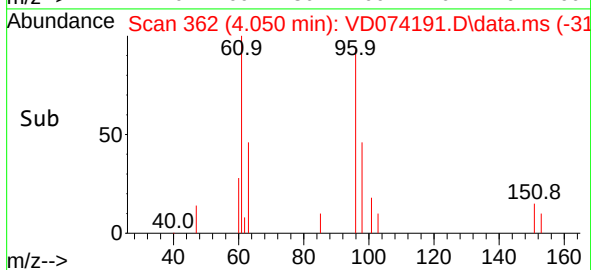
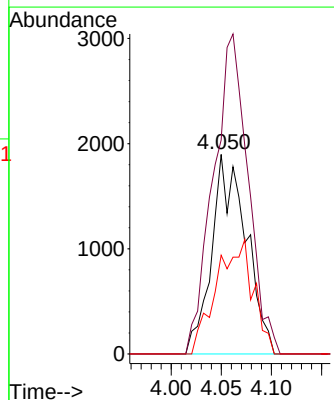
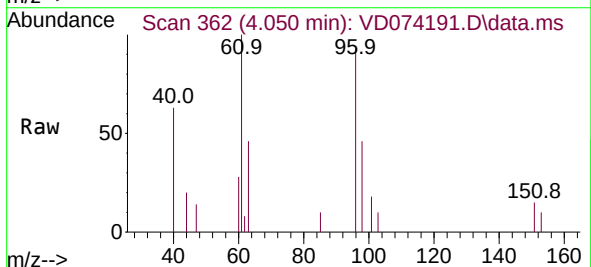
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

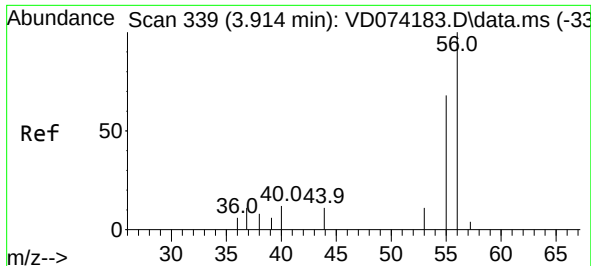
Tgt Ion: 59 Resp: 1964
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#12
1,1-Dichloroethene
Concen: 3.082 ug/l
RT: 4.050 min Scan# 362
Delta R.T. -0.011 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 96 Resp: 4512
Ion Ratio Lower Upper
96 100
61 107.2 138.5 207.7#
98 49.5 48.6 73.0

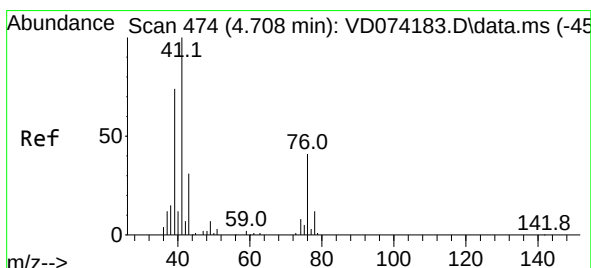
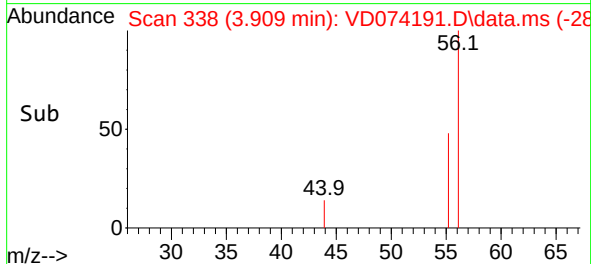
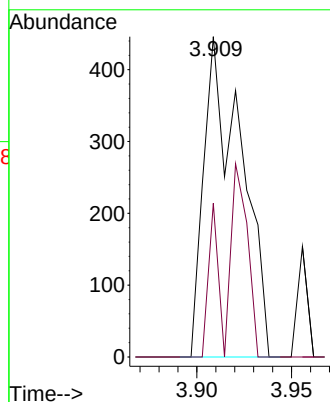
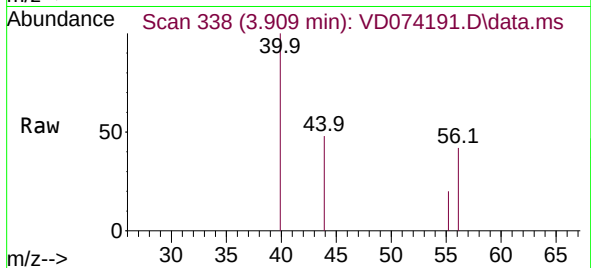




#13
Acrolein
Concen: 13.720 ug/l
RT: 3.909 min Scan# 31
Delta R.T. -0.005 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

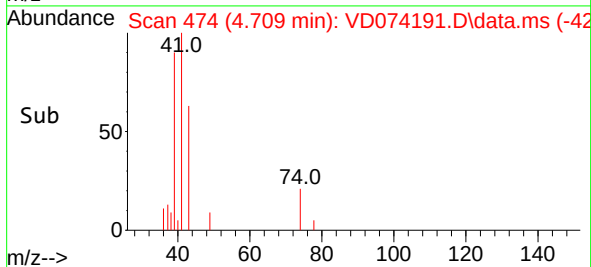
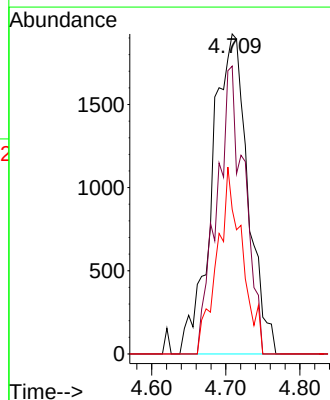
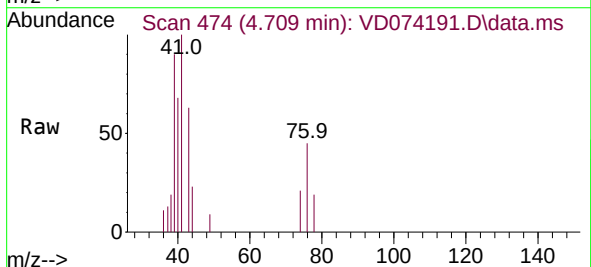
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

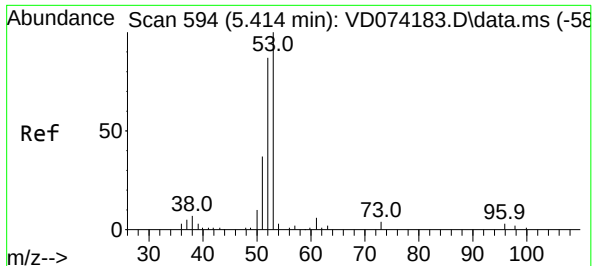
Tgt Ion: 56 Resp: 608
Ion Ratio Lower Upper
56 100
55 38.8 57.1 85.7#



#14
Allyl chloride
Concen: 2.824 ug/l
RT: 4.709 min Scan# 474
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 41 Resp: 6471
Ion Ratio Lower Upper
41 100
39 69.4 59.3 88.9
76 40.2 25.7 38.5#

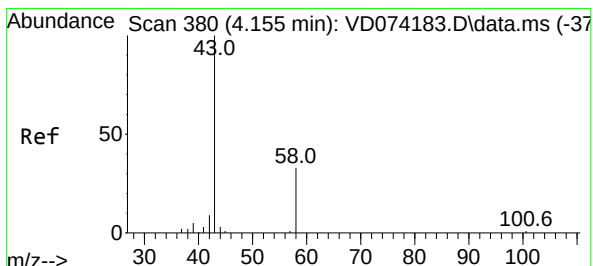
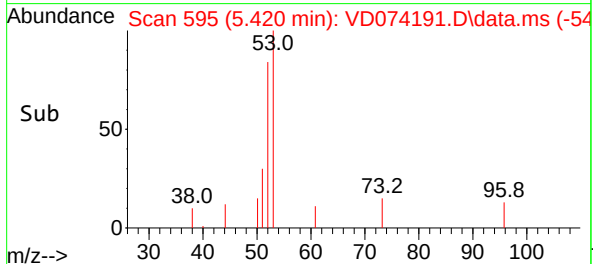
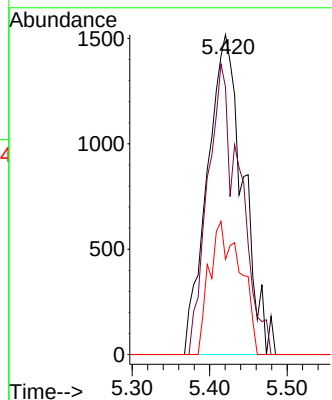
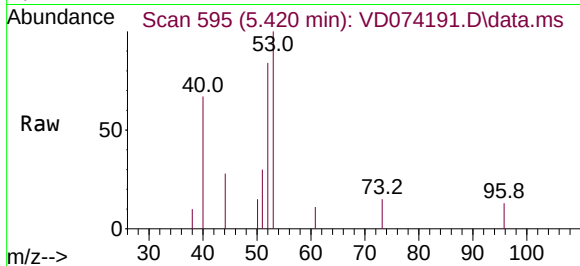




#15
Acrylonitrile
Concen: 14.409 ug/l
RT: 5.420 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

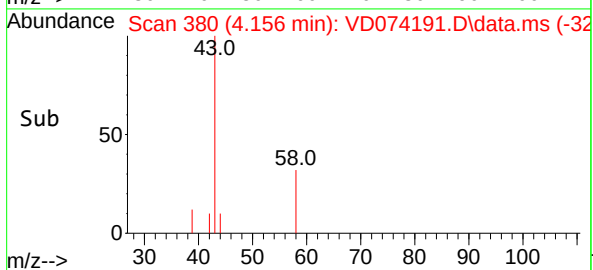
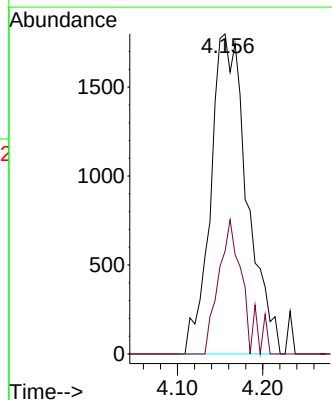
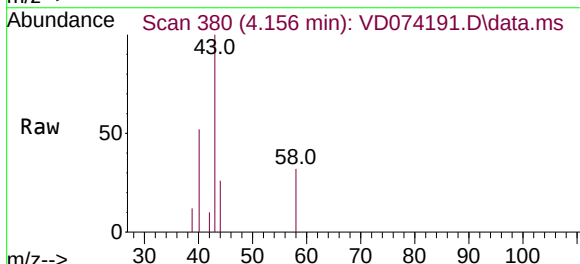
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

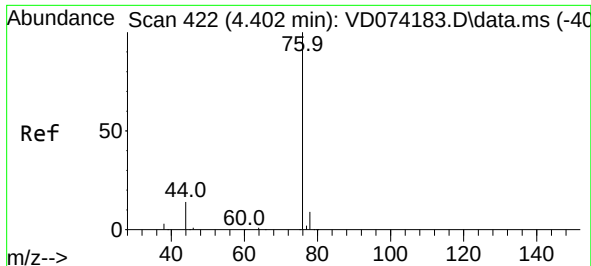
Tgt Ion:	53	Resp:	4870
Ion	Ratio	Lower	Upper
53	100		
52	82.6	67.2	100.8
51	36.1	30.3	45.5



#16
Acetone
Concen: 18.541 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion:	43	Resp:	5355
Ion	Ratio	Lower	Upper
43	100		
58	32.1	22.1	33.1

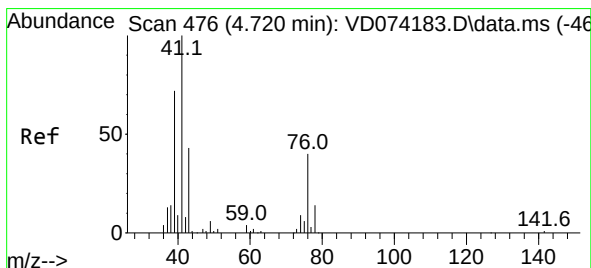
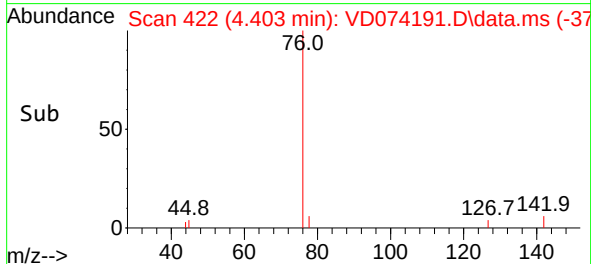
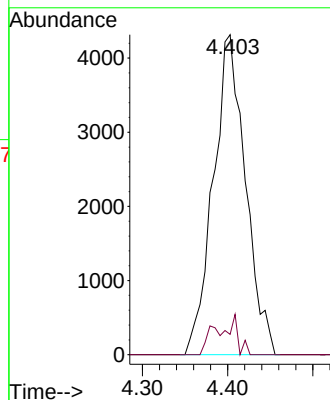
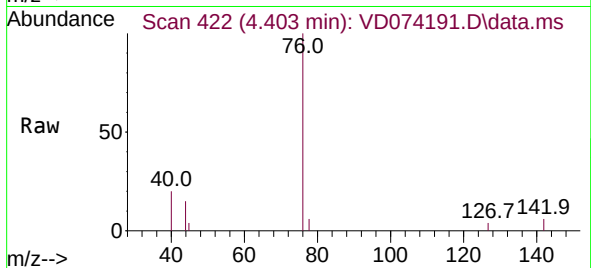




#17
Carbon Disulfide
Concen: 2.646 ug/l
RT: 4.403 min Scan# 41
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

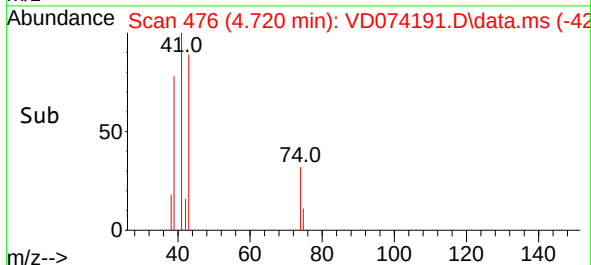
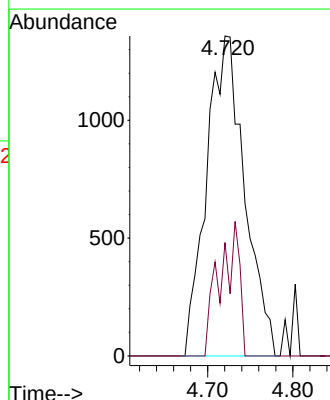
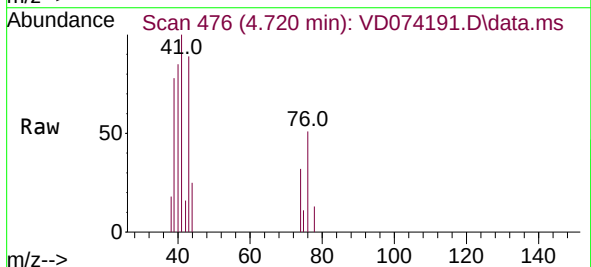
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

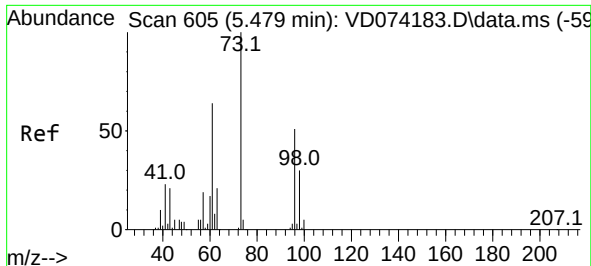
Tgt Ion: 76 Resp: 11338
Ion Ratio Lower Upper
76 100
78 6.4 7.5 11.3#



#18
Methyl Acetate
Concen: 4.626 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 43 Resp: 4212
Ion Ratio Lower Upper
43 100
74 14.3 16.7 25.1#





#19

Methyl tert-butyl Ether

Concen: 2.839 ug/l

RT: 5.473 min Scan# 605

Delta R.T. -0.006 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

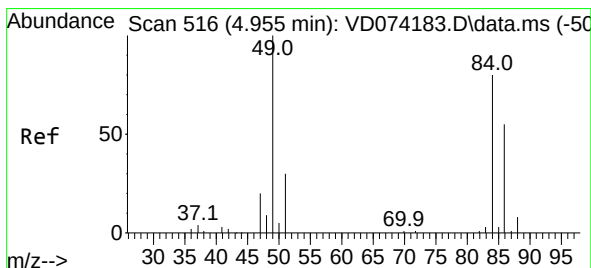
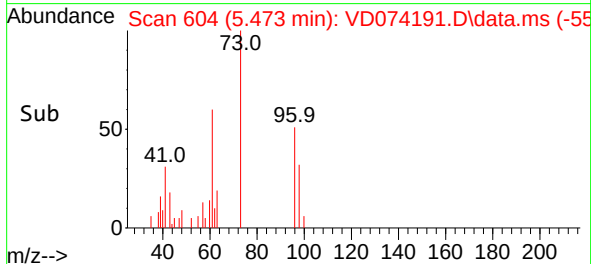
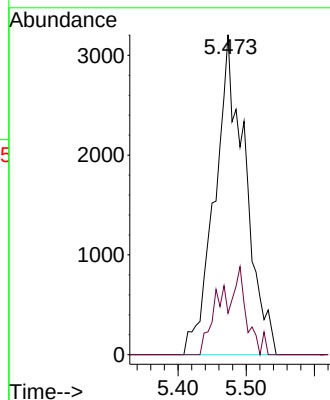
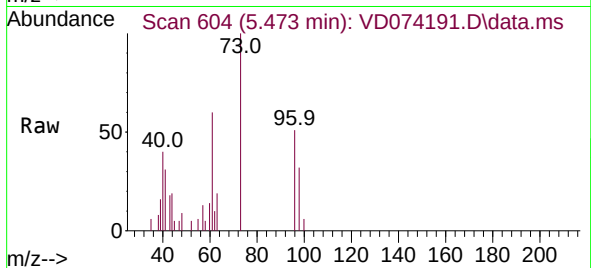
MDL-SOIL-03-QT3-2022

Tgt Ion: 73 Resp: 9952

Ion Ratio Lower Upper

73 100

57 12.9 18.0 27.0#



#20

Methylene Chloride

Concen: 10.892 ug/l

RT: 4.956 min Scan# 516

Delta R.T. 0.001 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Tgt Ion: 84 Resp: 24640

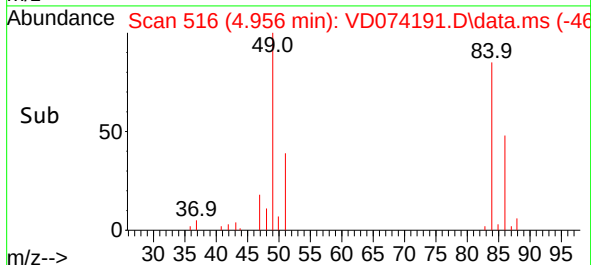
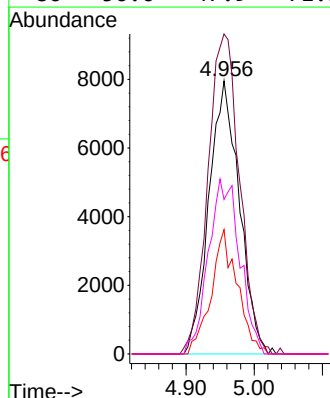
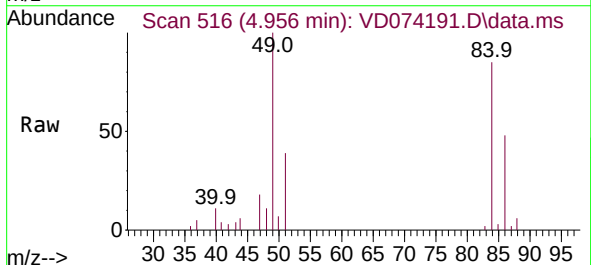
Ion Ratio Lower Upper

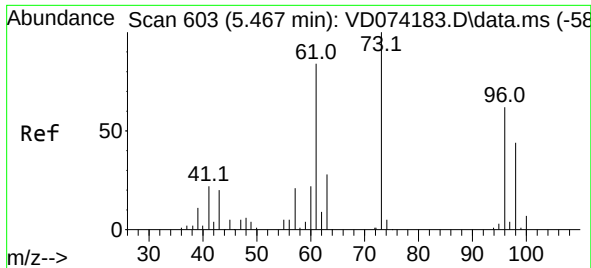
84 100

49 117.2 112.8 169.2

51 45.6 32.6 48.8

86 56.6 47.9 71.9

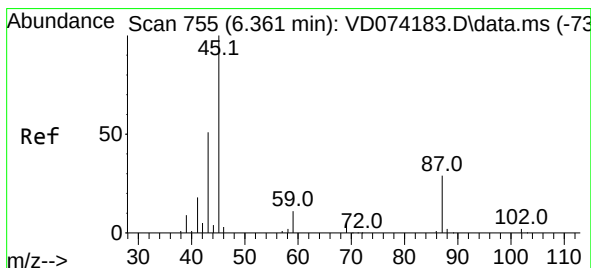
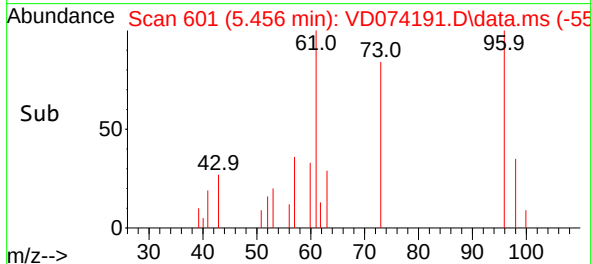
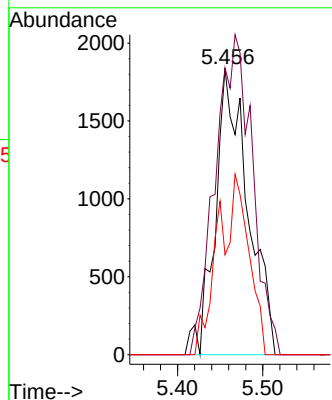
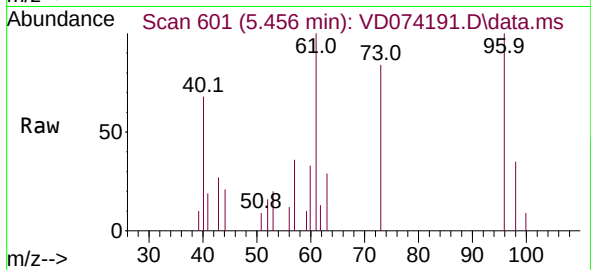




#21
trans-1,2-Dichloroethene
Concen: 2.860 ug/l
RT: 5.456 min Scan# 603
Delta R.T. -0.011 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

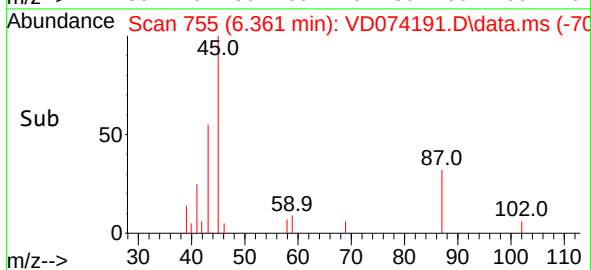
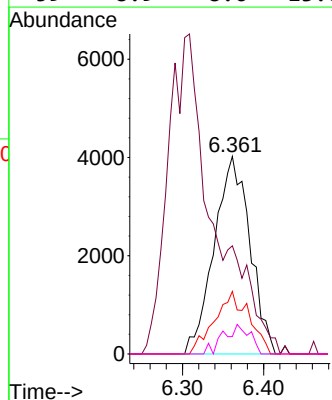
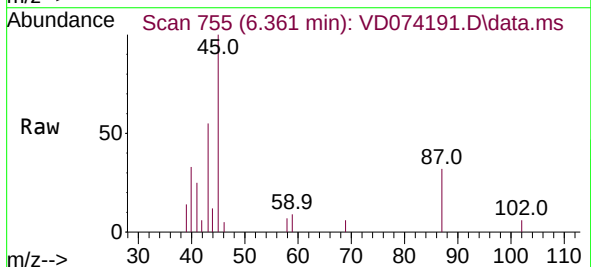
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

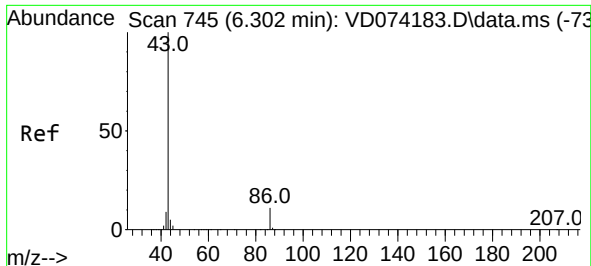
Tgt Ion: 96 Resp: 4895
Ion Ratio Lower Upper
96 100
61 100.4 117.9 176.9#
98 35.0 49.4 74.2#



#22
Diisopropyl ether
Concen: 2.624 ug/l
RT: 6.361 min Scan# 755
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 45 Resp: 12331
Ion Ratio Lower Upper
45 100
43 54.7 46.6 70.0
87 31.7 18.4 27.6#
59 8.9 8.6 13.0

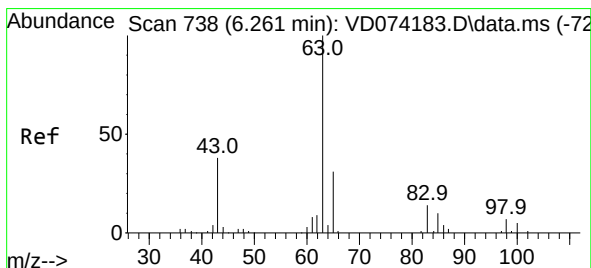
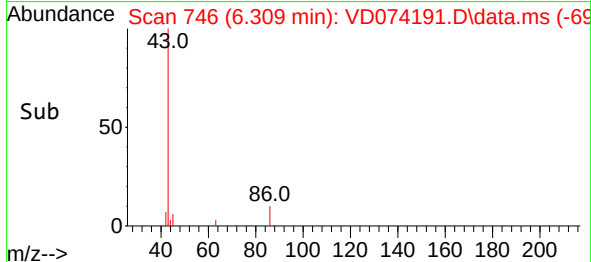
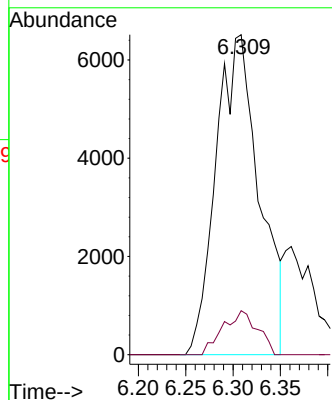
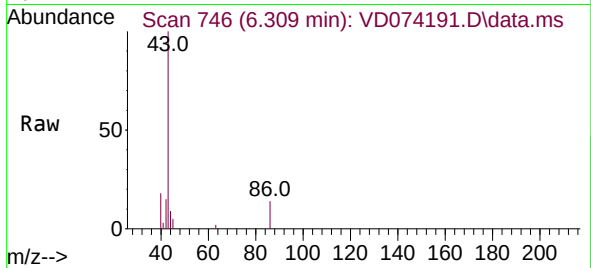




#23
 Vinyl Acetate
 Concen: 8.602 ug/l
 RT: 6.309 min Scan# 745
 Delta R.T. 0.007 min
 Lab File: VD074191.D
 Acq: 23 Aug 2022 18:16

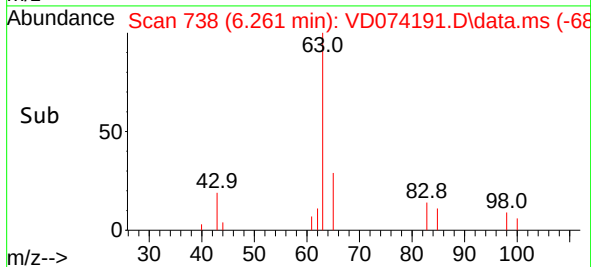
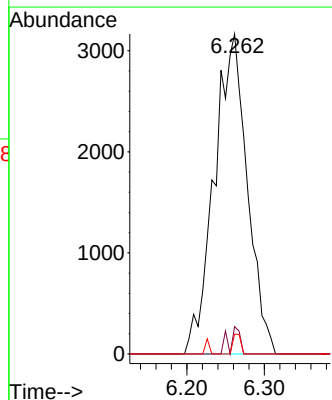
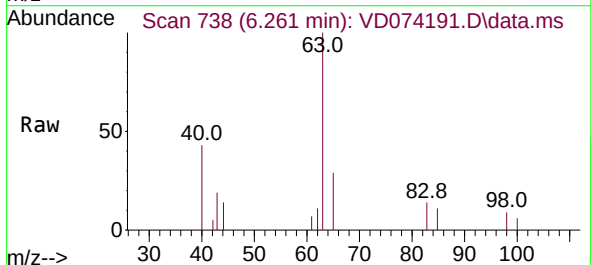
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

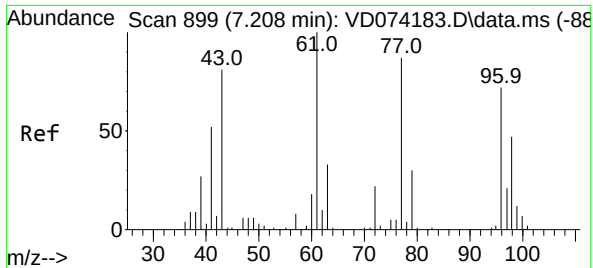
Tgt Ion: 43 Resp: 20663
 Ion Ratio Lower Upper
 43 100
 86 13.8 7.1 10.7#



#24
 1,1-Dichloroethane
 Concen: 3.028 ug/l
 RT: 6.261 min Scan# 738
 Delta R.T. 0.000 min
 Lab File: VD074191.D
 Acq: 23 Aug 2022 18:16

Tgt Ion: 63 Resp: 9382
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.6 10.9
 100 6.2 2.1 6.5

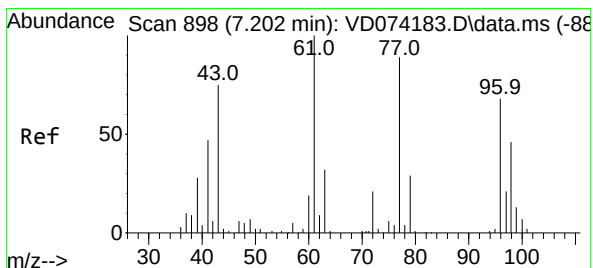
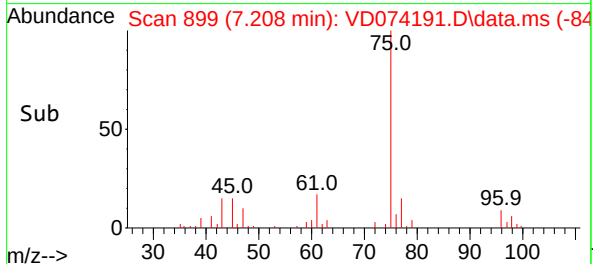
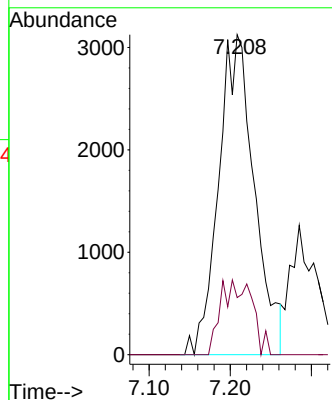
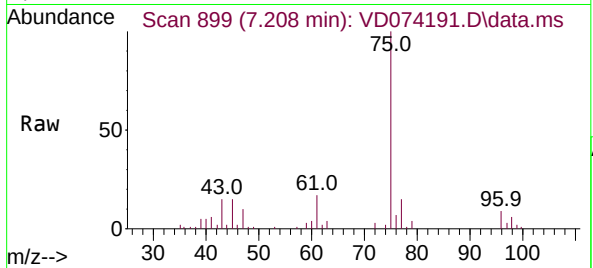




#25
2-Butanone
Concen: 21.384 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

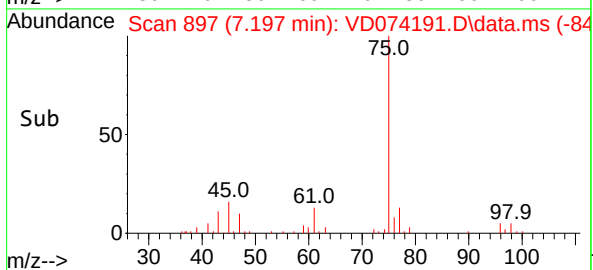
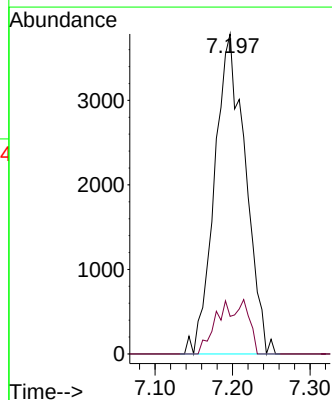
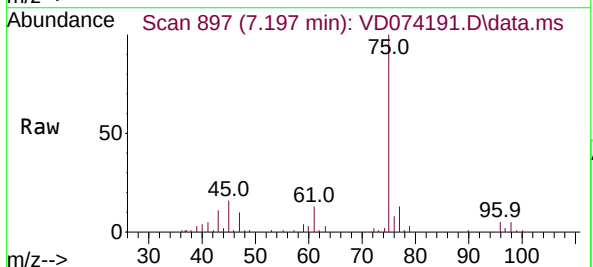
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

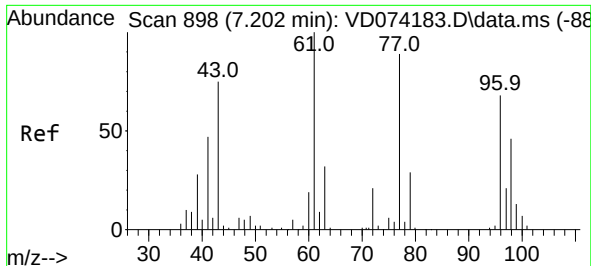
Tgt Ion: 43 Resp: 9561
Ion Ratio Lower Upper
43 100
72 17.8 18.6 27.8#



#26
2,2-Dichloropropane
Concen: 3.745 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.005 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 77 Resp: 10454
Ion Ratio Lower Upper
77 100
97 8.6 10.8 32.4#





#27

cis-1,2-Dichloroethene

Concen: 2.720 ug/l

RT: 7.203 min Scan# 898

Delta R.T. 0.001 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

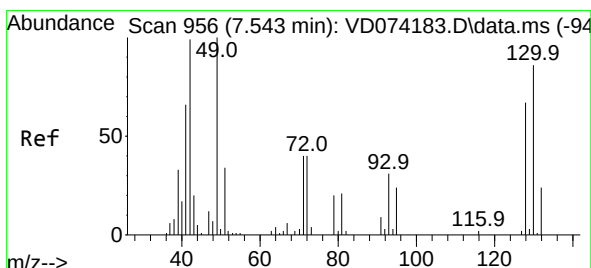
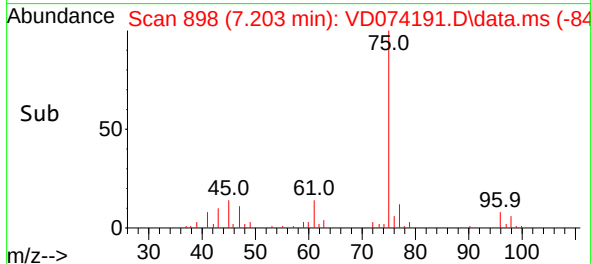
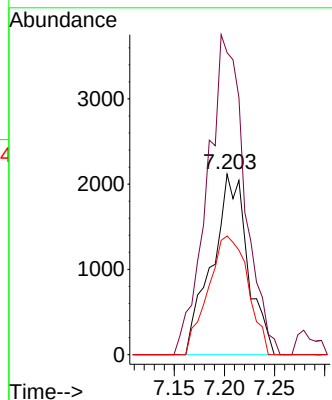
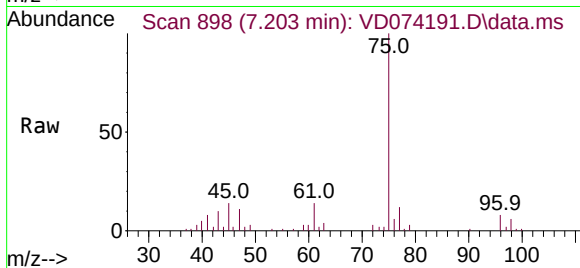
Tgt Ion: 96 Resp: 5232

Ion Ratio Lower Upper

96 100

61 186.2 0.0 313.8

98 73.1 0.0 128.8



#28

Bromochloromethane

Concen: 2.989 ug/l

RT: 7.532 min Scan# 954

Delta R.T. -0.011 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

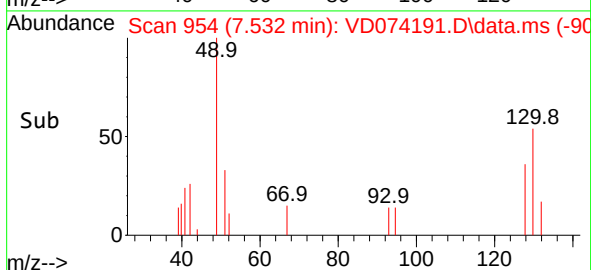
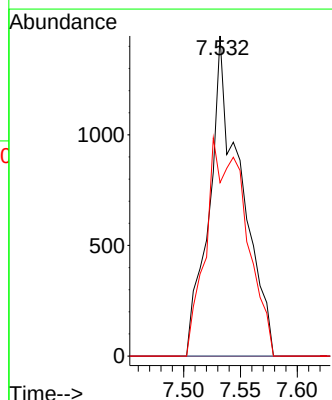
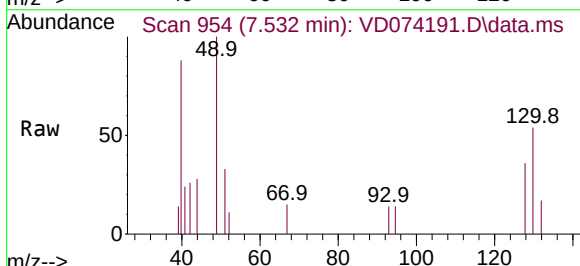
Tgt Ion: 49 Resp: 2799

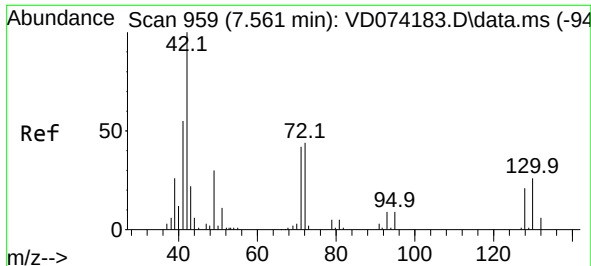
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 85.6 52.6 79.0#





#29

Tetrahydrofuran

Concen: 14.587 ug/l

RT: 7.573 min Scan# 9

Delta R.T. 0.012 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

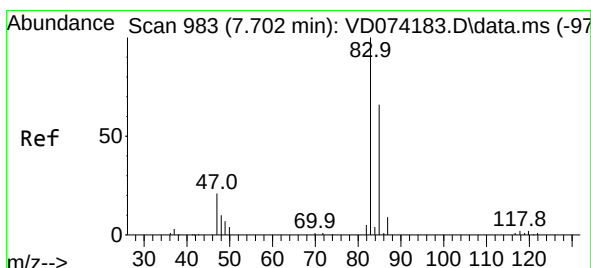
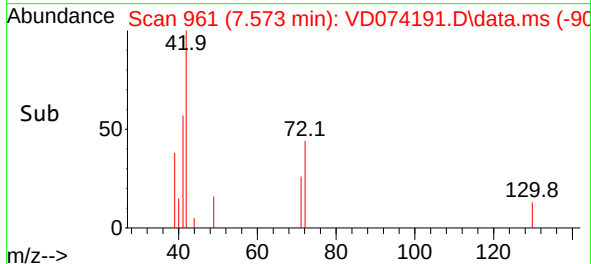
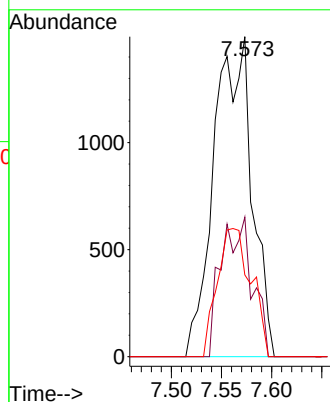
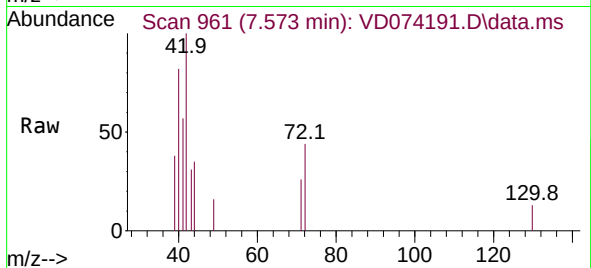
Tgt Ion: 42 Resp: 3936

Ion Ratio Lower Upper

42 100

72 35.7 30.7 46.1

71 35.7 28.6 43.0



#30

Chloroform

Concen: 2.838 ug/l

RT: 7.703 min Scan# 983

Delta R.T. 0.001 min

Lab File: VD074191.D

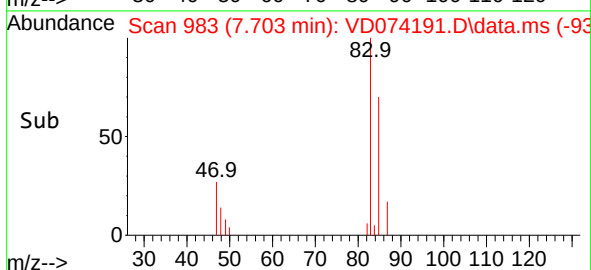
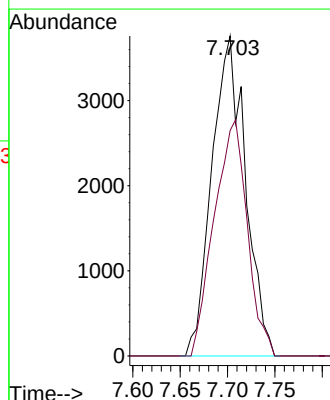
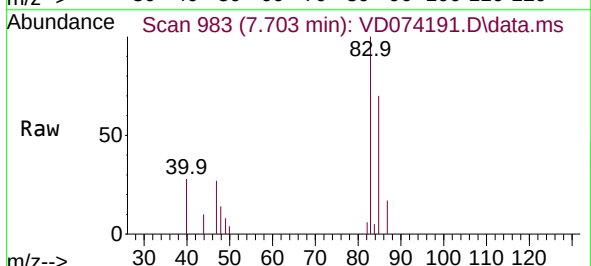
Acq: 23 Aug 2022 18:16

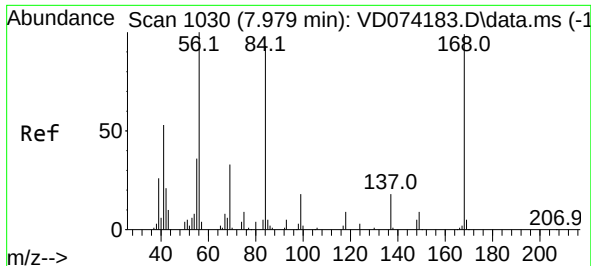
Tgt Ion: 83 Resp: 9270

Ion Ratio Lower Upper

83 100

85 70.4 52.7 79.1

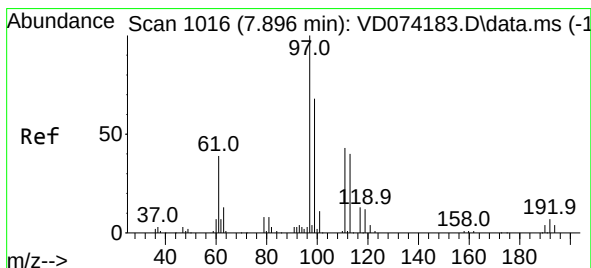
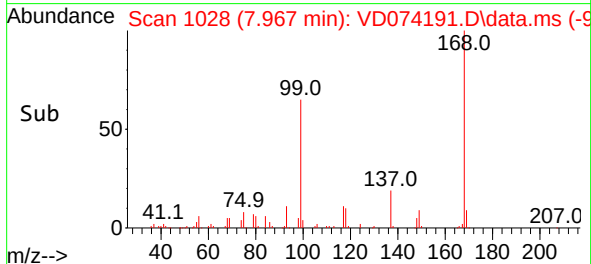
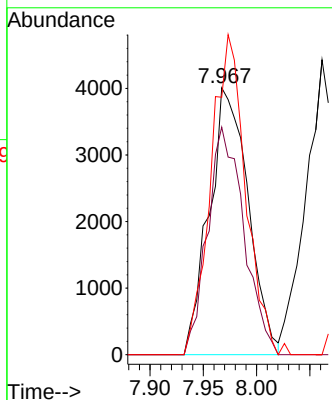
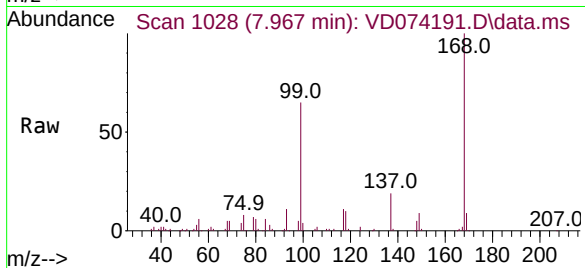




#31
Cyclohexane
Concen: 3.785 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

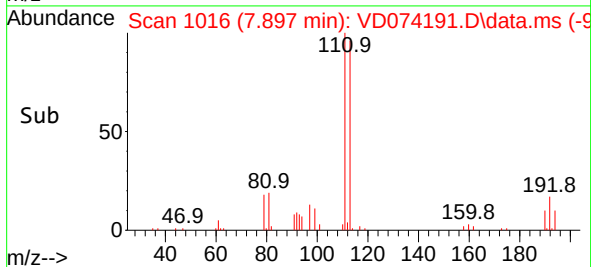
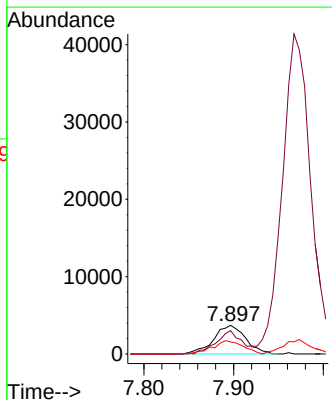
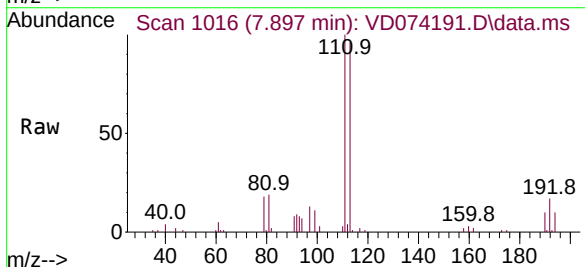
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

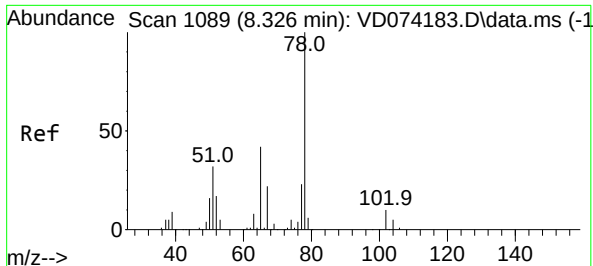
Tgt Ion: 56 Resp: 10212
Ion Ratio Lower Upper
56 100
69 85.2 25.4 38.2#
84 96.4 63.0 94.4#



#32
1,1,1-Trichloroethane
Concen: 3.004 ug/l
RT: 7.897 min Scan# 1016
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 97 Resp: 9093
Ion Ratio Lower Upper
97 100
99 69.6 52.4 78.6
61 44.2 38.0 57.0





#33

1,2-Dichloroethane-d4

Concen: 48.882 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

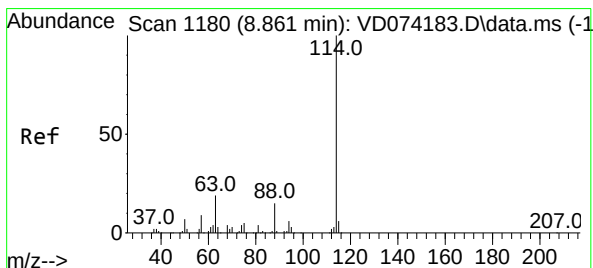
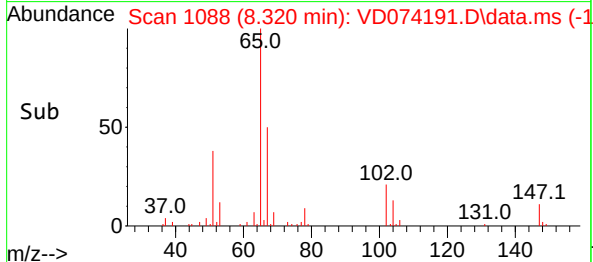
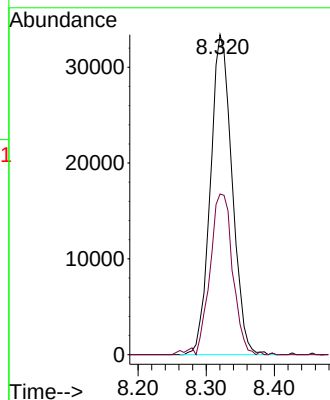
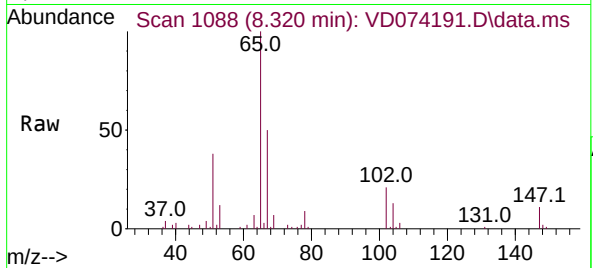
MDL-SOIL-03-QT3-2022

Tgt Ion: 65 Resp: 74101

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

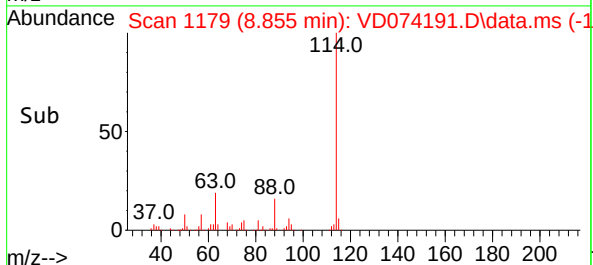
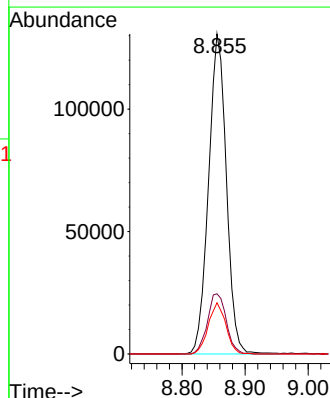
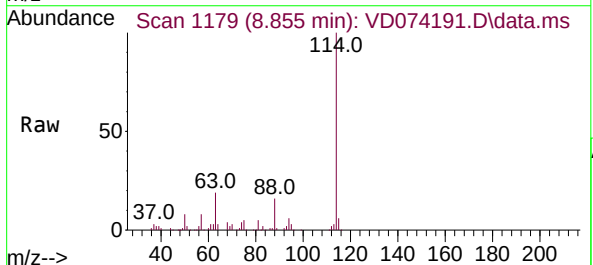
Tgt Ion: 114 Resp: 256241

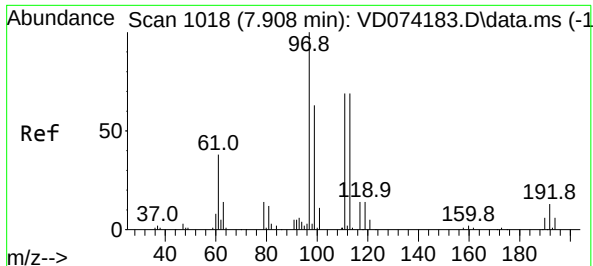
Ion Ratio Lower Upper

114 100

63 18.8 0.0 46.6

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.688 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.005 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

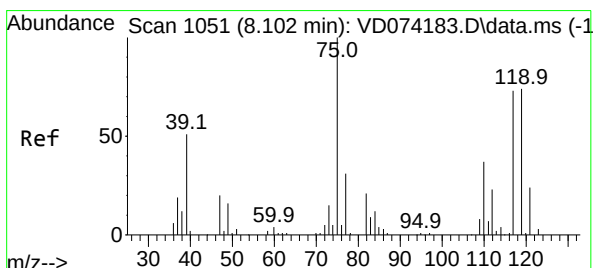
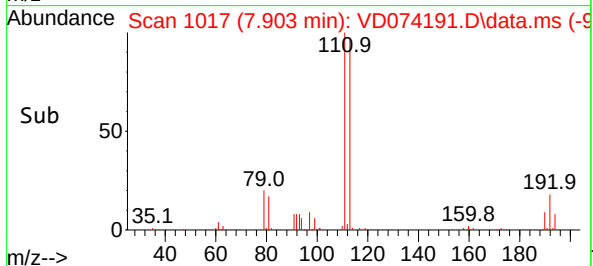
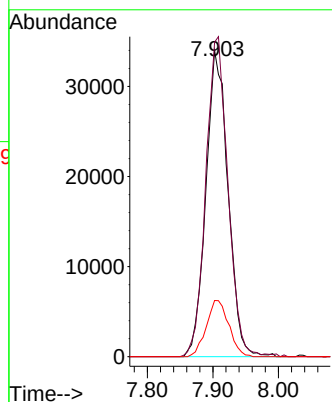
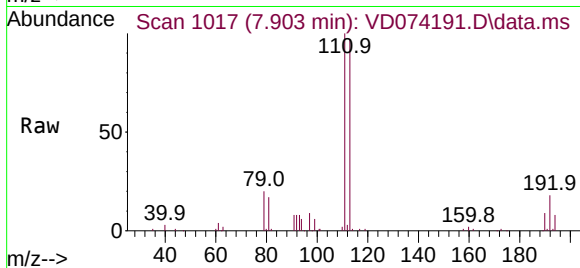
Tgt Ion:113 Resp: 80021

Ion Ratio Lower Upper

113 100

111 104.2 83.8 125.6

192 18.6 14.6 21.8



#36

1,1-Dichloropropene

Concen: 2.985 ug/l

RT: 8.097 min Scan# 1050

Delta R.T. -0.005 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

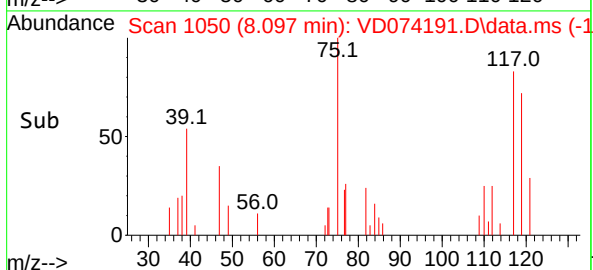
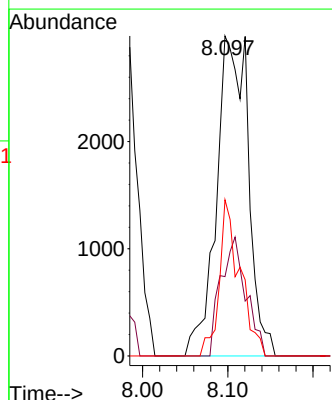
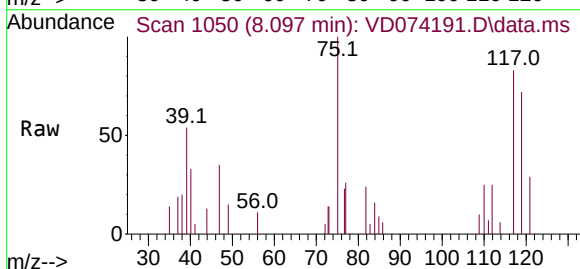
Tgt Ion: 75 Resp: 7734

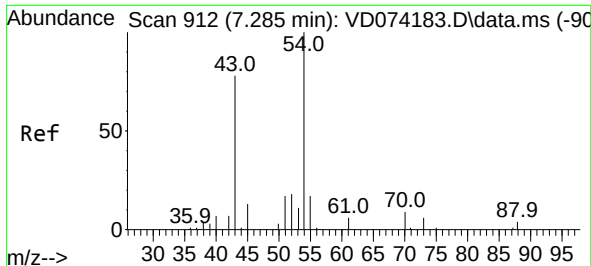
Ion Ratio Lower Upper

75 100

110 29.5 16.4 49.1

77 31.7 24.2 36.2





#37

Ethyl Acetate

Concen: 2.720 ug/l

RT: 7.285 min Scan# 912

Delta R.T. -0.000 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

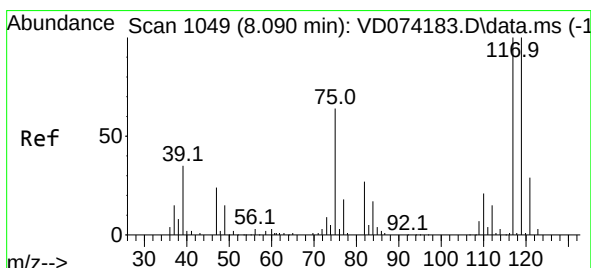
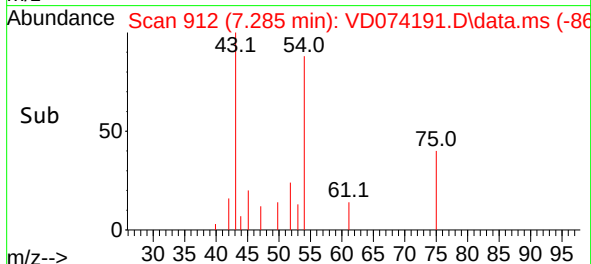
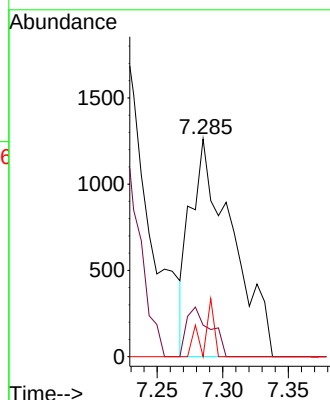
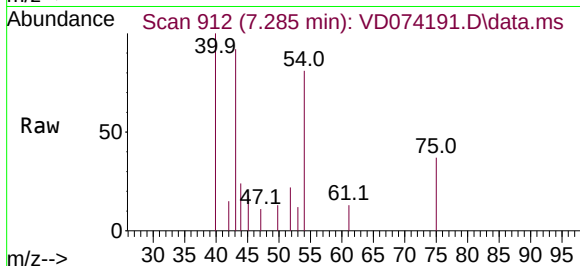
Tgt Ion: 43 Resp: 2778

Ion Ratio Lower Upper

43 100

61 13.0 9.8 14.8

70 6.6 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 2.429 ug/l

RT: 8.085 min Scan# 1048

Delta R.T. -0.005 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

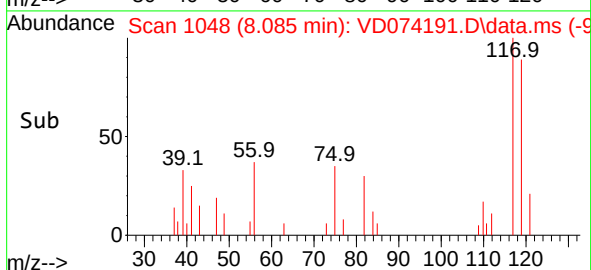
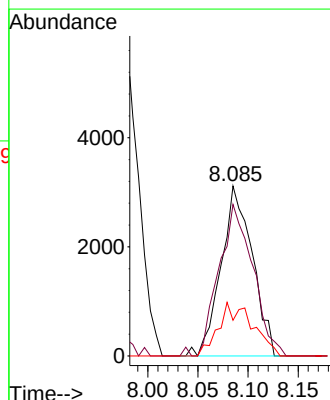
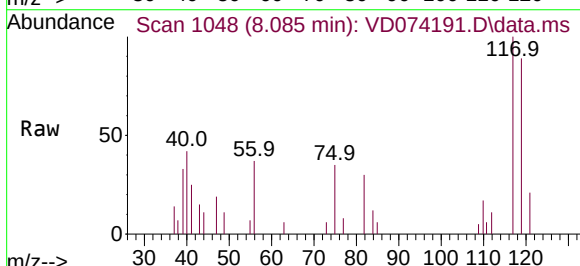
Tgt Ion: 117 Resp: 6760

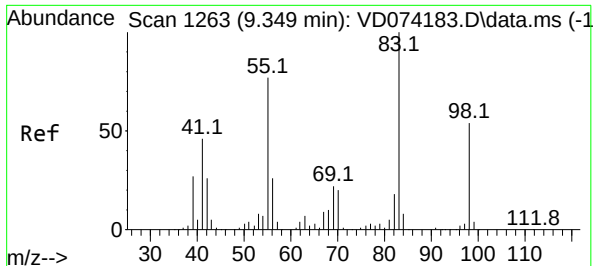
Ion Ratio Lower Upper

117 100

119 89.2 75.8 113.6

121 21.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.569 ug/l

RT: 9.344 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

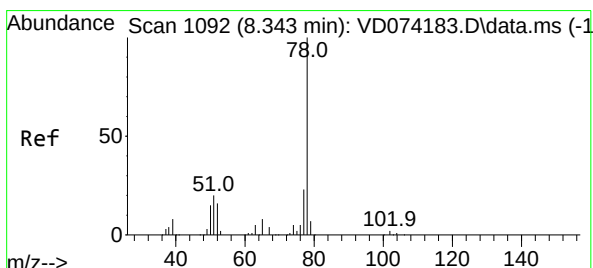
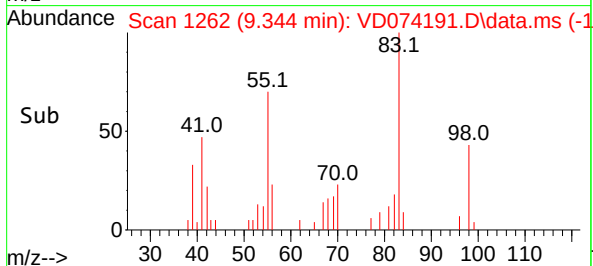
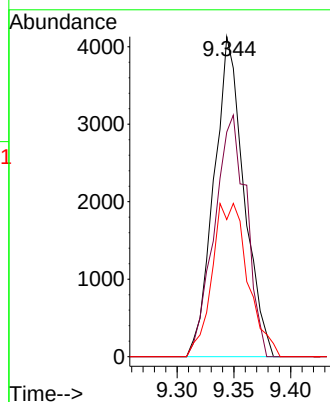
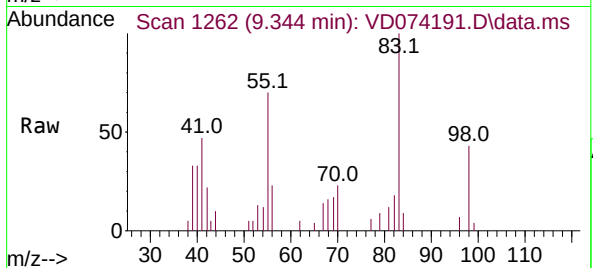
Tgt Ion: 83 Resp: 7595

Ion Ratio Lower Upper

83 100

55 70.2 63.2 94.8

98 42.9 38.2 57.4



#40

Benzene

Concen: 2.525 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. 0.001 min

Lab File: VD074191.D

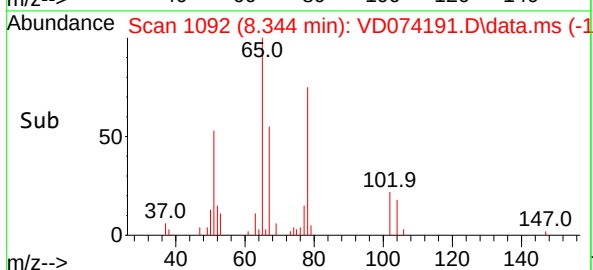
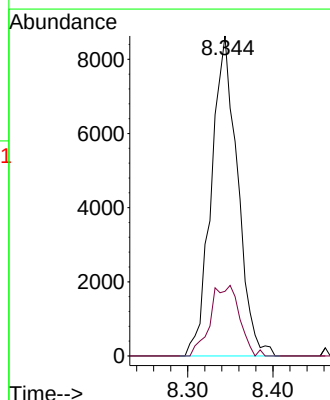
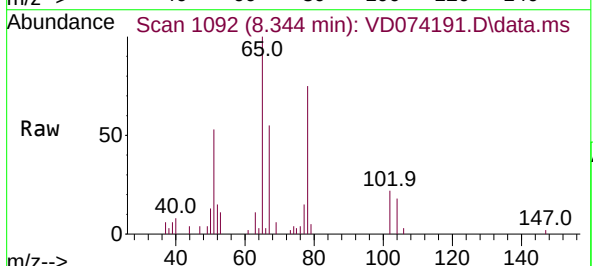
Acq: 23 Aug 2022 18:16

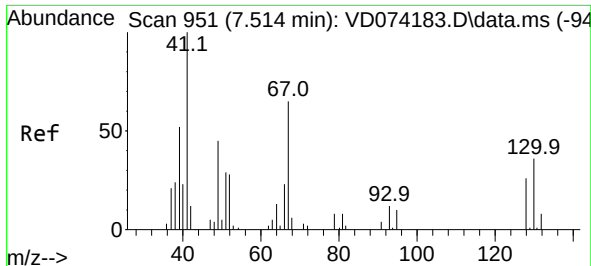
Tgt Ion: 78 Resp: 18440

Ion Ratio Lower Upper

78 100

77 20.2 19.1 28.7

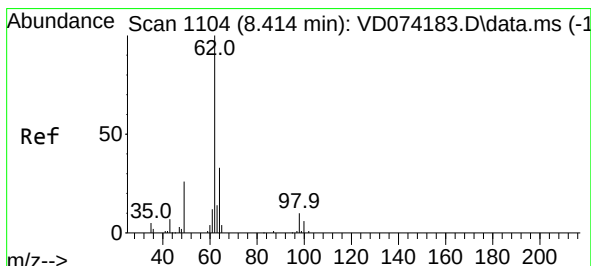
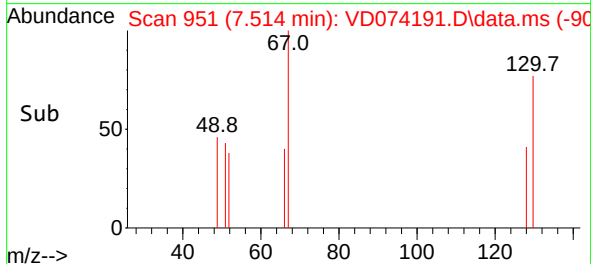
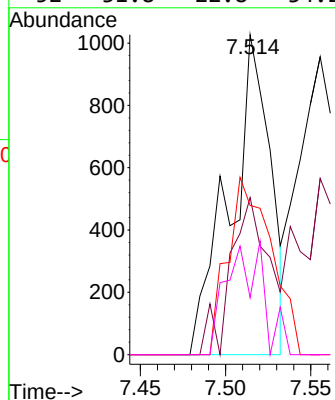
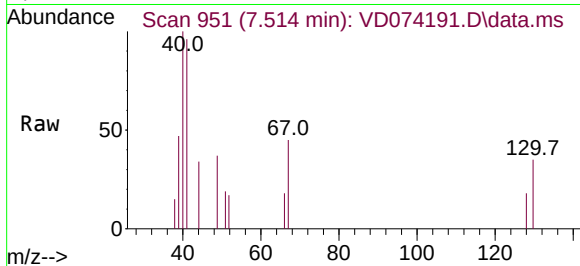




#41
Methacrylonitrile
Concen: 2.743 ug/l
RT: 7.514 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

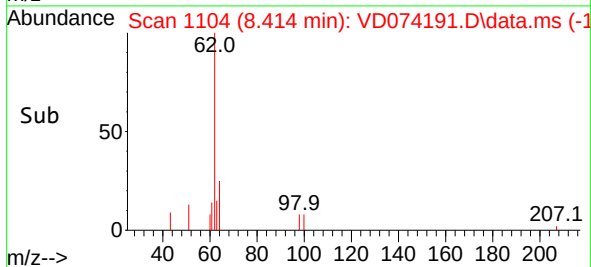
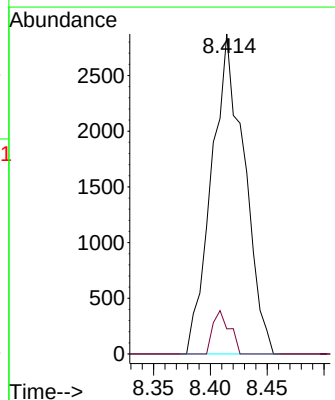
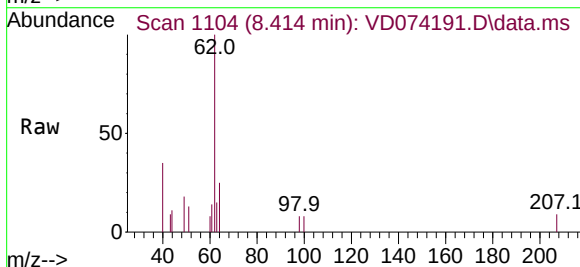
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

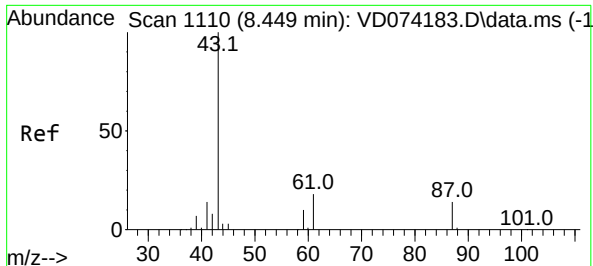
Tgt Ion:	41	Resp:	1684
Ion	Ratio	Lower	Upper
41	100		
39	47.0	44.6	67.0
67	60.4	48.2	72.4
52	31.8	22.8	34.2



#42
1,2-Dichloroethane
Concen: 2.672 ug/l
RT: 8.414 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion:	62	Resp:	5752
Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	17.6

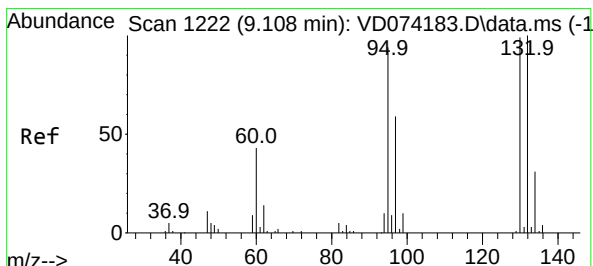
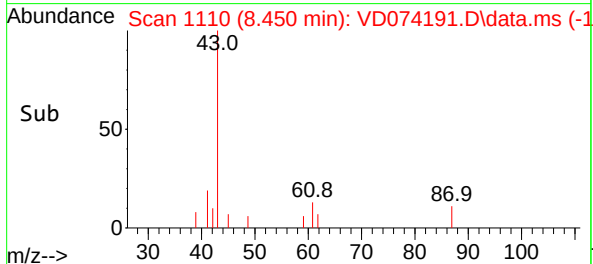
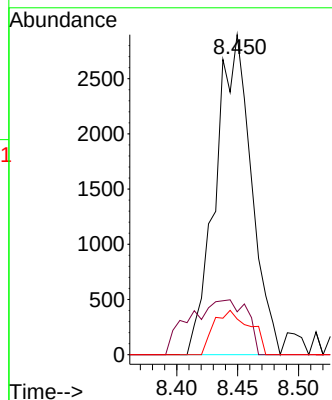
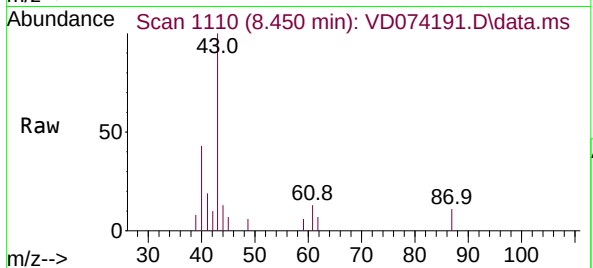




#43
Isopropyl Acetate
Concen: 2.887 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

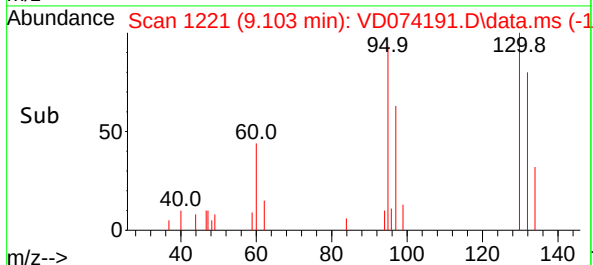
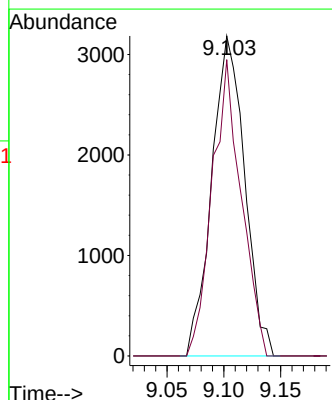
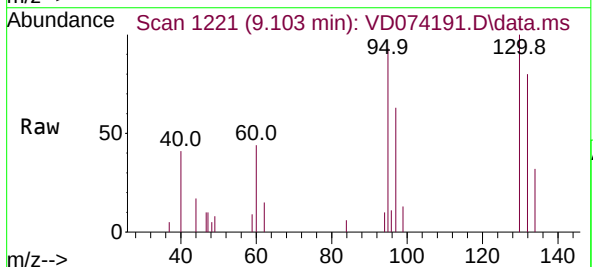
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2022

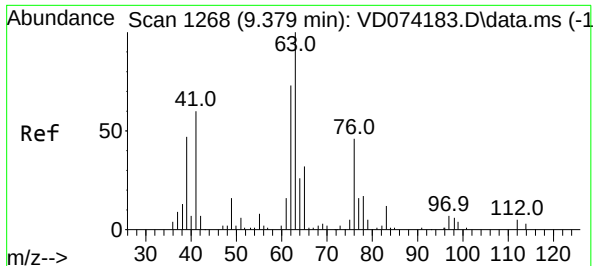
Tgt Ion: 43 Resp: 5932
Ion Ratio Lower Upper
43 100
61 27.4 22.4 33.6
87 14.0 8.7 13.1#



#44
Trichloroethene
Concen: 3.029 ug/l
RT: 9.103 min Scan# 1221
Delta R.T. -0.005 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 130 Resp: 6412
Ion Ratio Lower Upper
130 100
95 92.6 0.0 205.4





#45

1,2-Dichloropropane

Concen: 2.627 ug/l

RT: 9.379 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

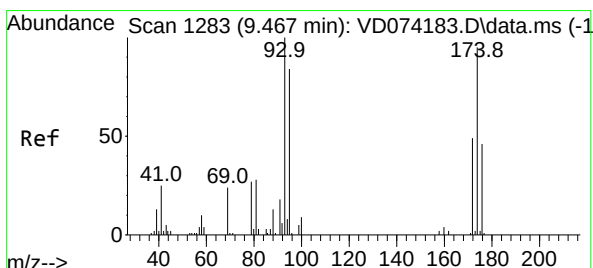
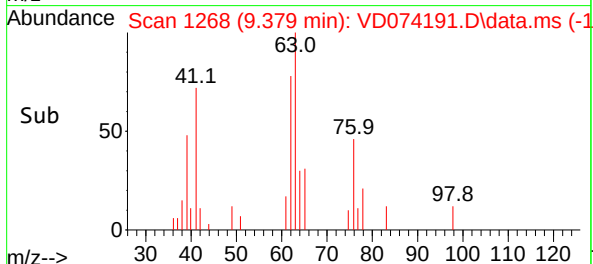
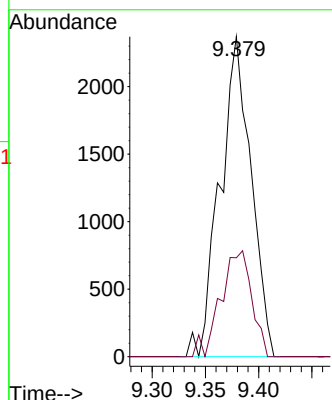
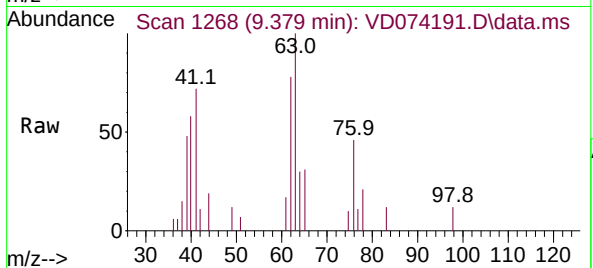
MDL-SOIL-03-QT3-2022

Tgt Ion: 63 Resp: 4789

Ion Ratio Lower Upper

63 100

65 30.9 26.2 39.4



#46

Dibromomethane

Concen: 2.495 ug/l

RT: 9.461 min Scan# 1282

Delta R.T. -0.006 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

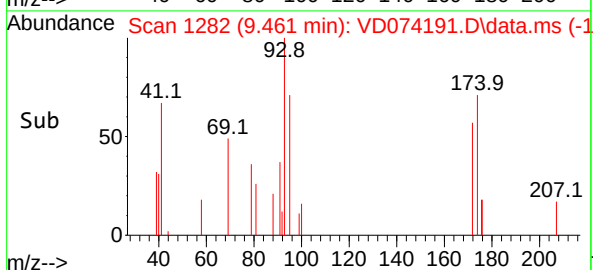
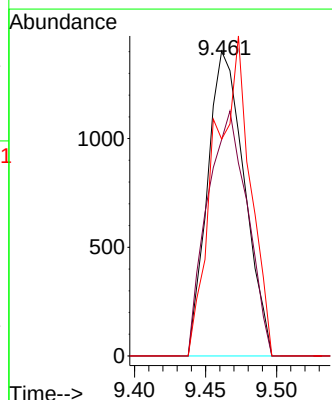
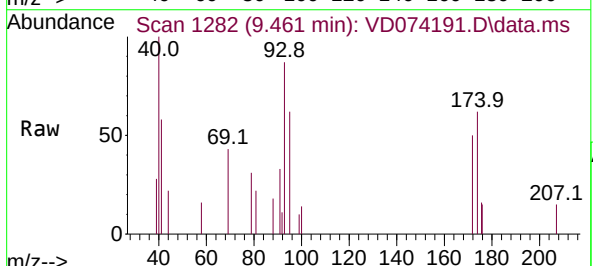
Tgt Ion: 93 Resp: 2537

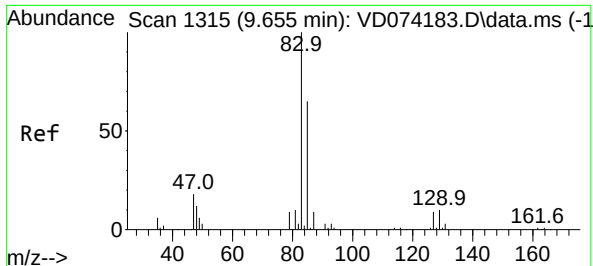
Ion Ratio Lower Upper

93 100

95 87.2 66.7 100.1

174 100.7 71.6 107.4





#47

Bromodichloromethane

Concen: 2.752 ug/l

RT: 9.655 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

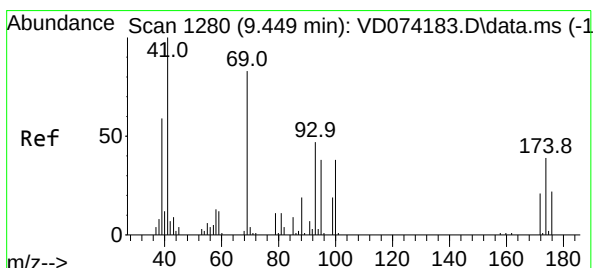
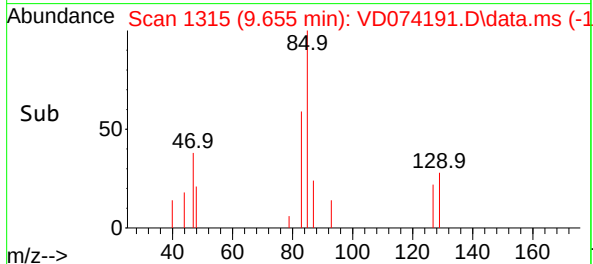
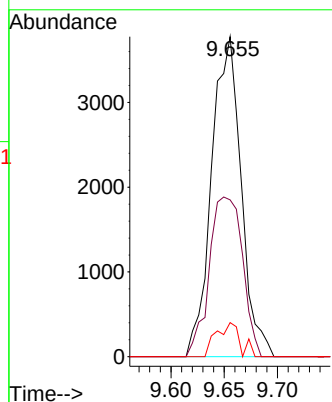
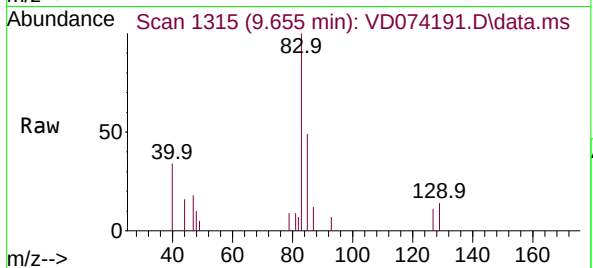
Tgt Ion: 83 Resp: 7279

Ion Ratio Lower Upper

83 100

85 49.0 51.4 77.0#

127 10.7 6.1 9.1#



#48

Methyl methacrylate

Concen: 2.927 ug/l

RT: 9.444 min Scan# 1279

Delta R.T. -0.005 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

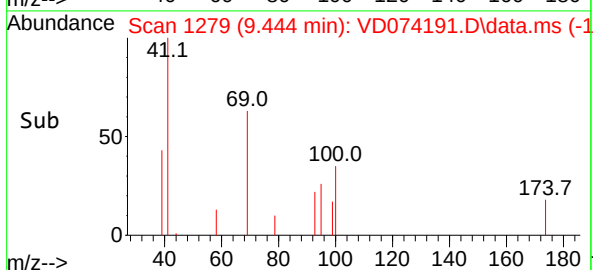
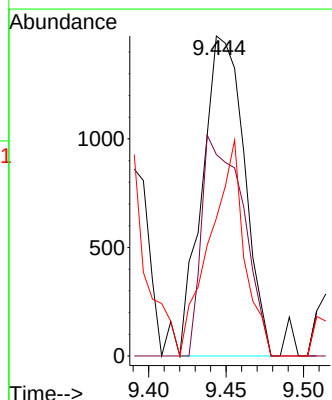
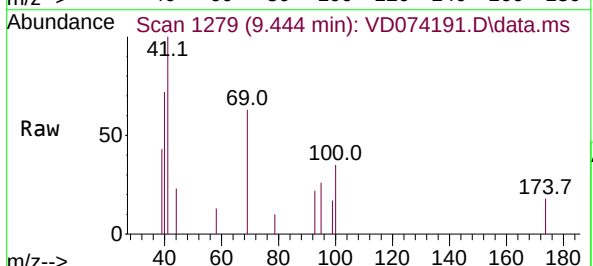
Tgt Ion: 41 Resp: 2780

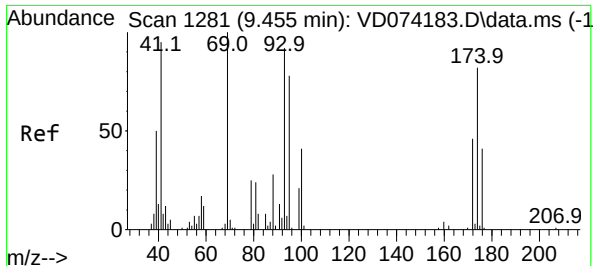
Ion Ratio Lower Upper

41 100

69 67.8 56.7 85.1

39 55.4 42.7 64.1





#49

1,4-Dioxane

Concen: 44.717 ug/l

RT: 9.450 min Scan# 1

Delta R.T. -0.005 min

Lab File: VD074191.D

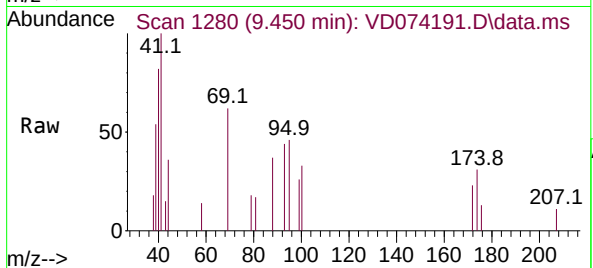
Acq: 23 Aug 2022 18:16

Instrument :

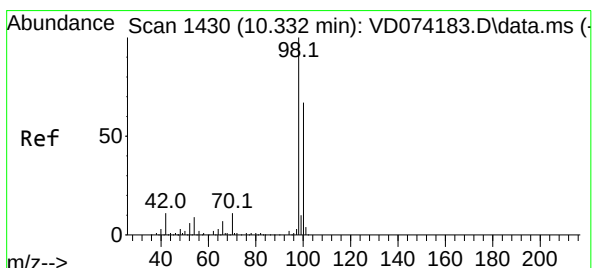
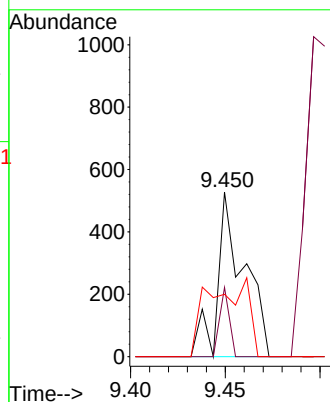
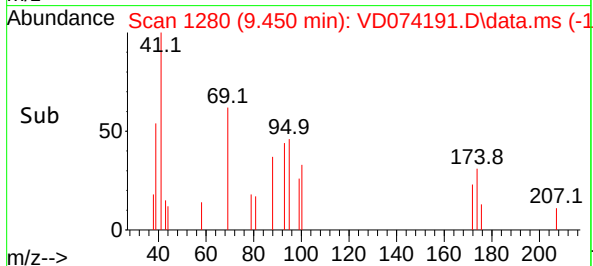
MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:	88	Resp:	516
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.0	46.4#
58	70.3	58.1	87.1



#50

Toluene-d8

Concen: 43.762 ug/l

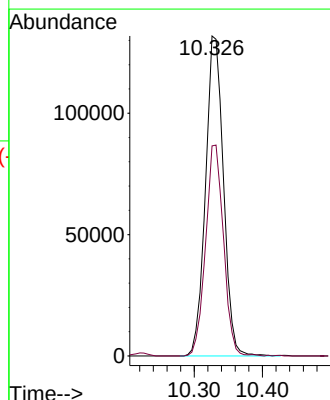
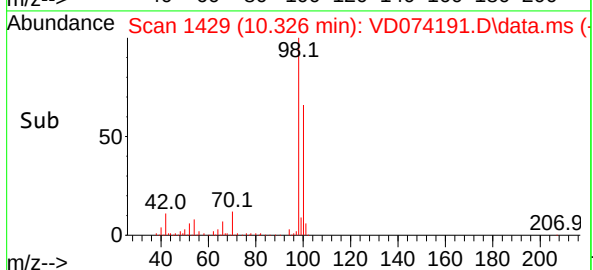
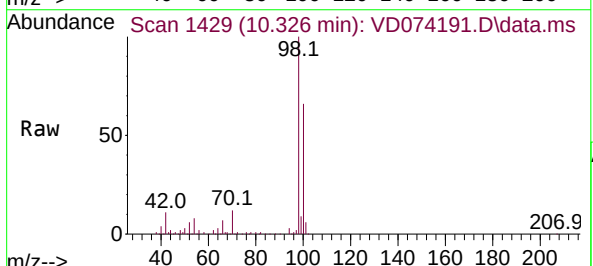
RT: 10.326 min Scan# 1429

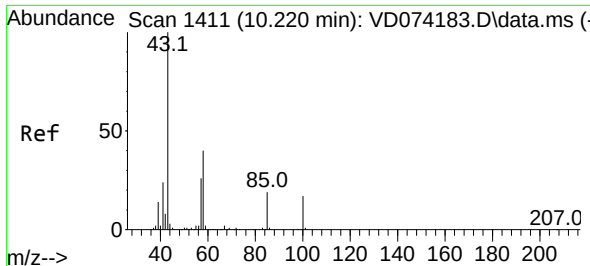
Delta R.T. -0.006 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Tgt Ion:	98	Resp:	241400
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6

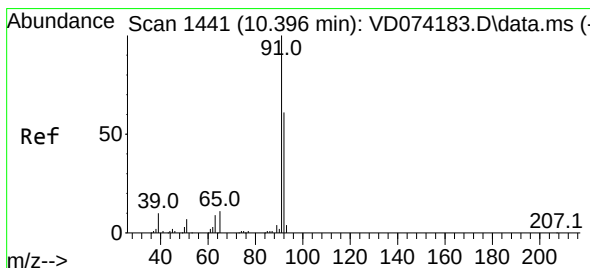
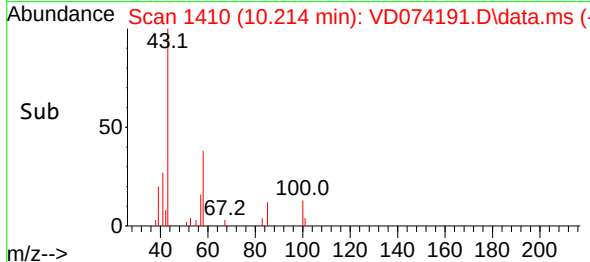
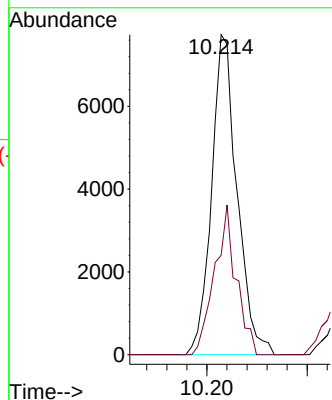
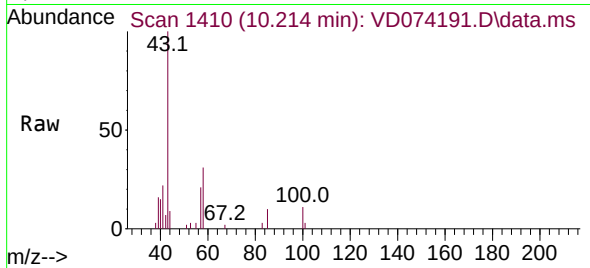




#51
4-Methyl-2-Pentanone
Concen: 13.294 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

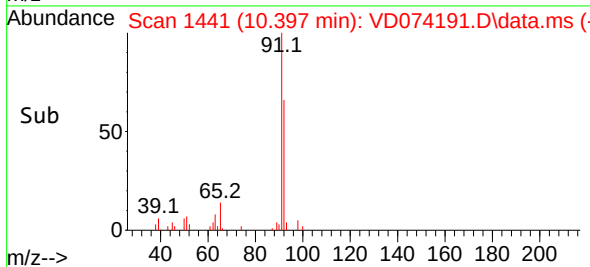
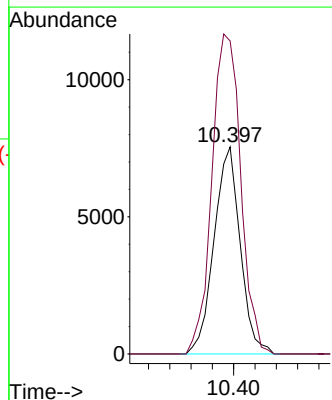
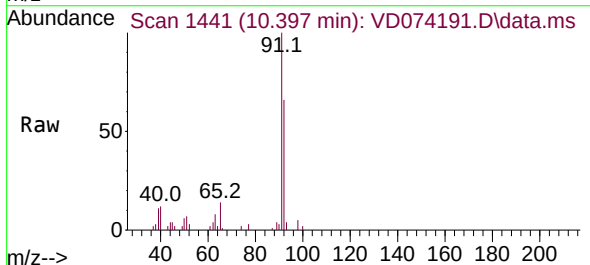
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

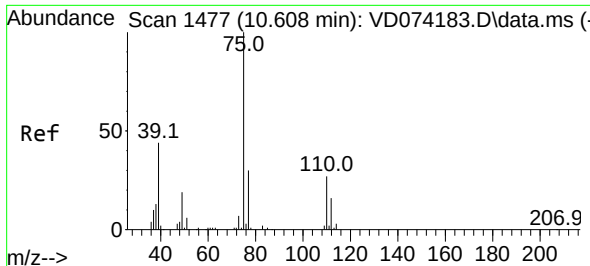
Tgt Ion: 43 Resp: 13645
Ion Ratio Lower Upper
43 100
58 39.8 28.6 43.0



#52
Toluene
Concen: 2.681 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 92 Resp: 12869
Ion Ratio Lower Upper
92 100
91 170.6 139.6 209.4

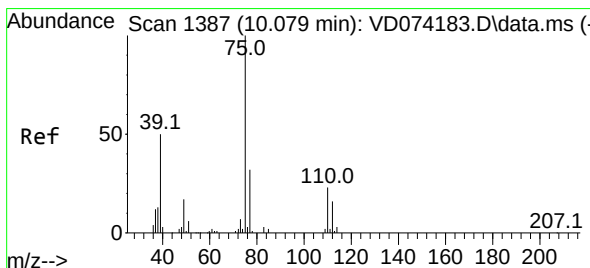
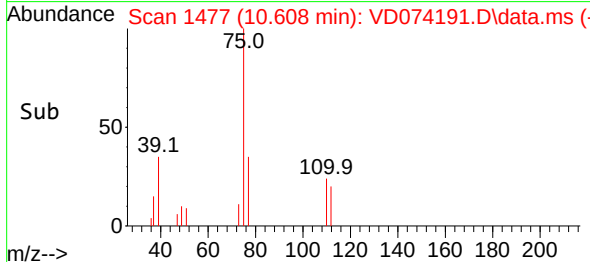
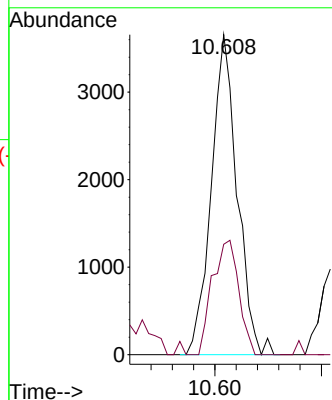
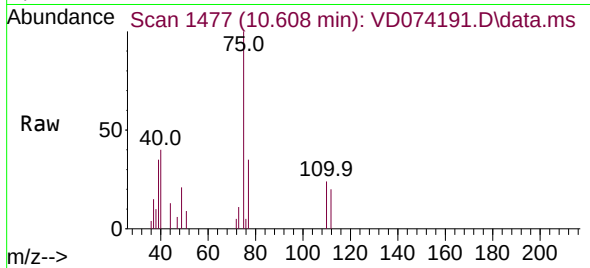




#53
 t-1,3-Dichloropropene
 Concen: 2.571 ug/l
 RT: 10.608 min Scan# 1477
 Delta R.T. 0.000 min
 Lab File: VD074191.D
 Acq: 23 Aug 2022 18:16

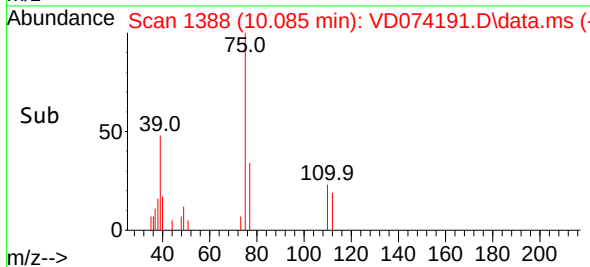
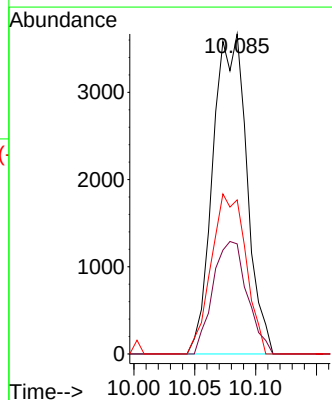
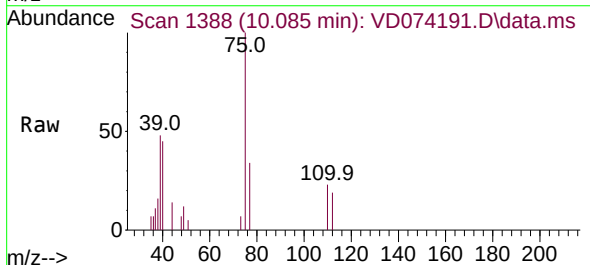
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

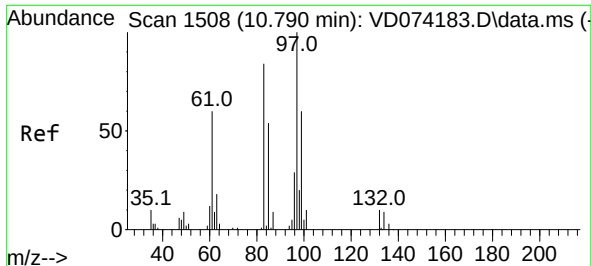
Tgt Ion: 75 Resp: 6167
 Ion Ratio Lower Upper
 75 100
 77 34.5 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 2.494 ug/l
 RT: 10.085 min Scan# 1388
 Delta R.T. 0.006 min
 Lab File: VD074191.D
 Acq: 23 Aug 2022 18:16

Tgt Ion: 75 Resp: 7092
 Ion Ratio Lower Upper
 75 100
 77 34.4 24.8 37.2
 39 48.2 46.8 70.2

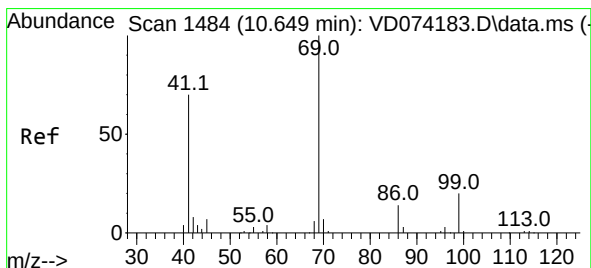
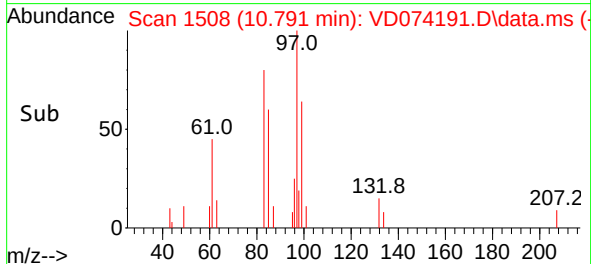
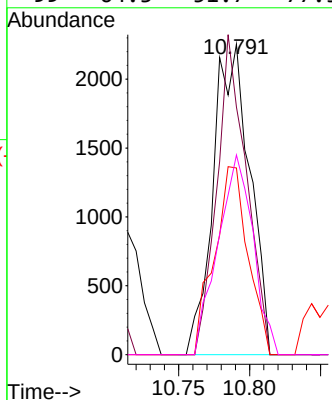
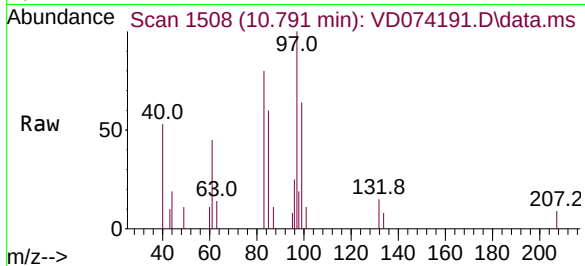




#55
1,1,2-Trichloroethane
Concen: 2.895 ug/l
RT: 10.791 min Scan# 1508
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

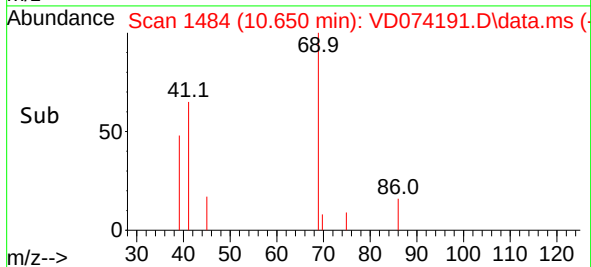
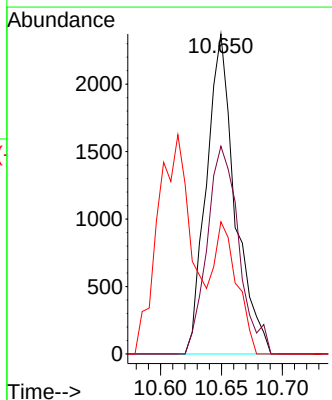
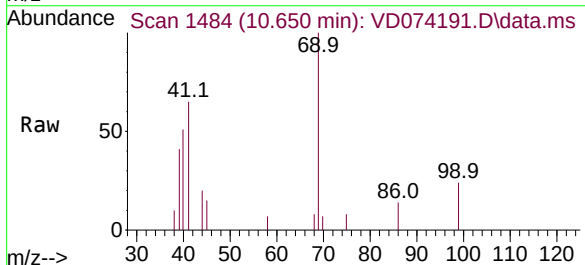
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

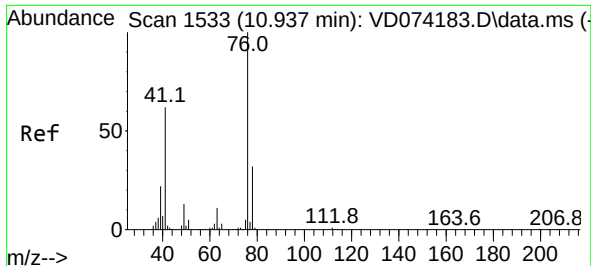
Tgt Ion:	97	Resp:	4027
Ion	Ratio	Lower	Upper
97	100		
83	79.8	69.0	103.4
85	60.1	42.6	63.8
99	64.3	51.7	77.5



#56
Ethyl methacrylate
Concen: 2.444 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion:	69	Resp:	3883
Ion	Ratio	Lower	Upper
69	100		
41	72.1	63.0	94.6
39	33.2	33.8	50.8





#57

1,3-Dichloropropane

Concen: 2.764 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. 0.001 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

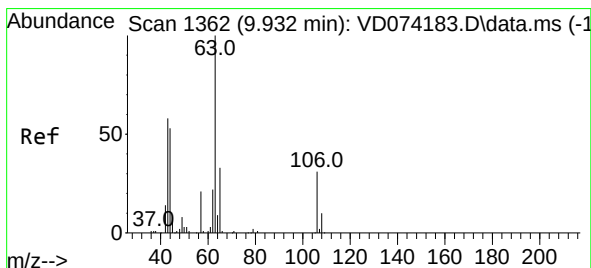
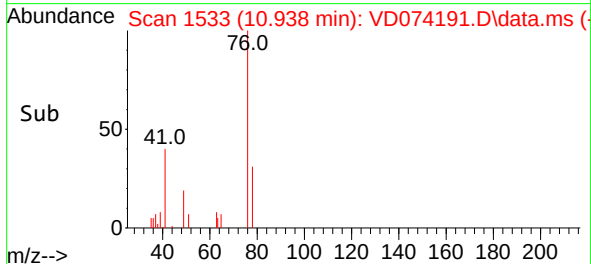
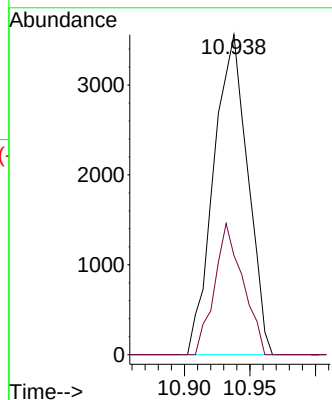
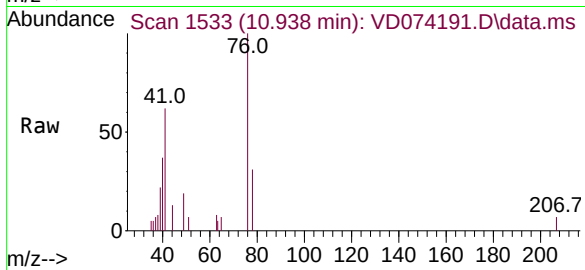
MDL-SOIL-03-QT3-2022

Tgt Ion: 76 Resp: 6423

Ion Ratio Lower Upper

76 100

78 34.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 10.993 ug/l

RT: 9.932 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VD074191.D

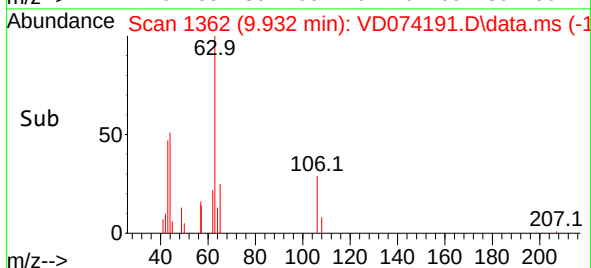
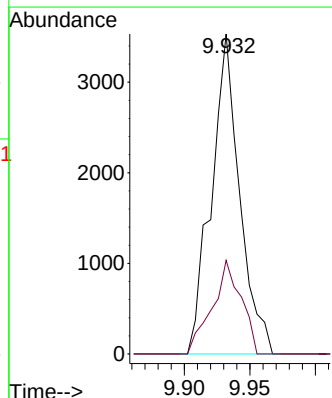
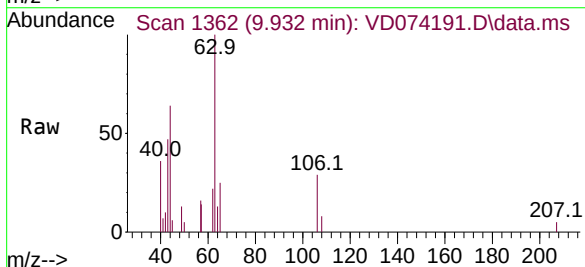
Acq: 23 Aug 2022 18:16

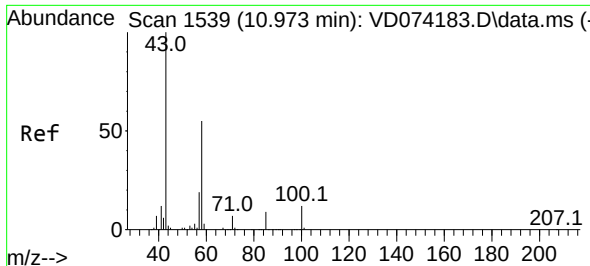
Tgt Ion: 63 Resp: 5287

Ion Ratio Lower Upper

63 100

106 29.9 21.4 32.0

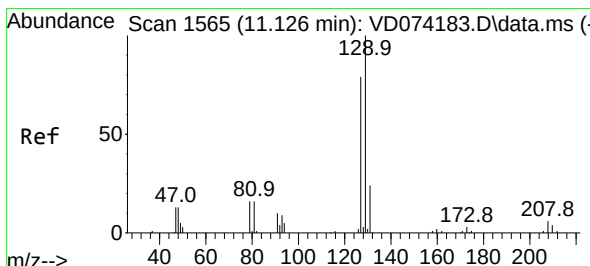
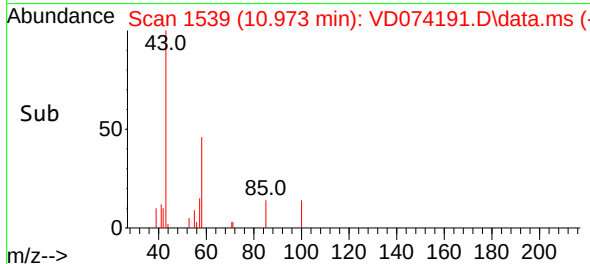
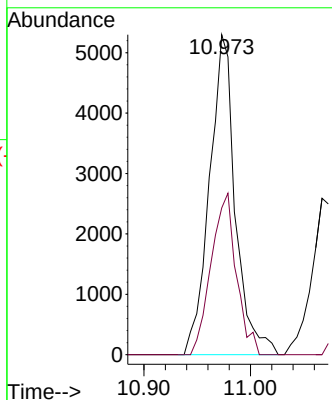
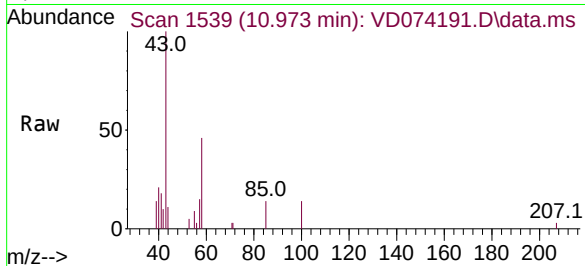




#59
2-Hexanone
Concen: 12.898 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

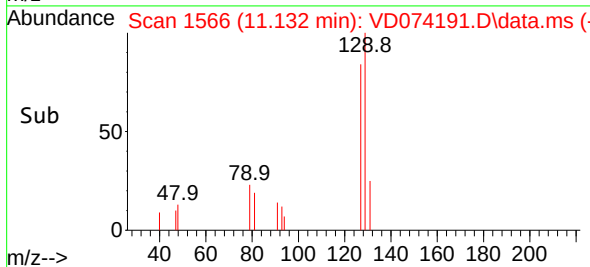
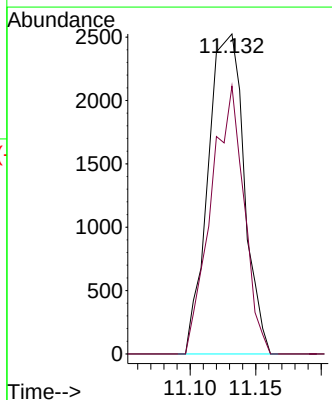
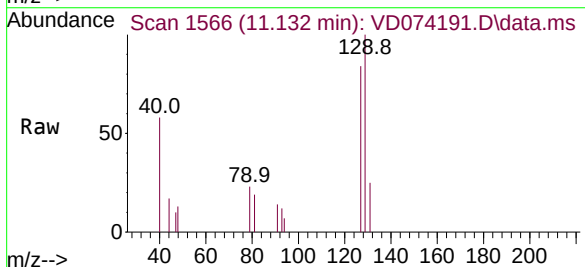
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

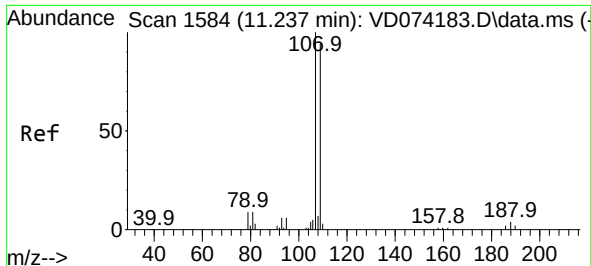
Tgt Ion: 43 Resp: 8926
Ion Ratio Lower Upper
43 100
58 49.2 25.3 75.9



#60
Dibromochloromethane
Concen: 2.684 ug/l
RT: 11.132 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 129 Resp: 4847
Ion Ratio Lower Upper
129 100
127 76.2 39.2 117.6

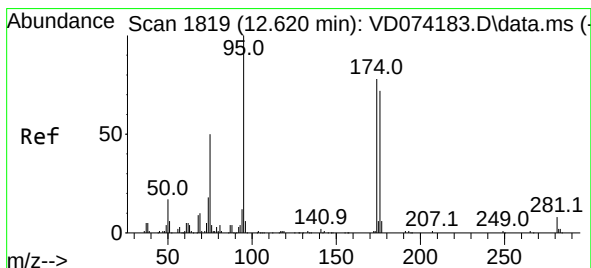
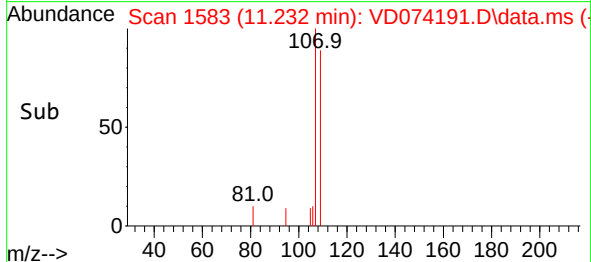
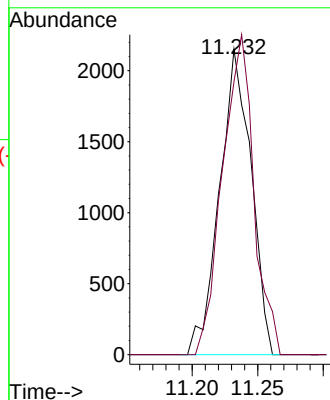
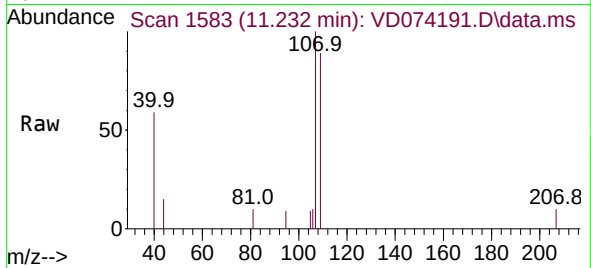




#61
1,2-Dibromoethane
Concen: 2.652 ug/l
RT: 11.232 min Scan# 11
Delta R.T. -0.005 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

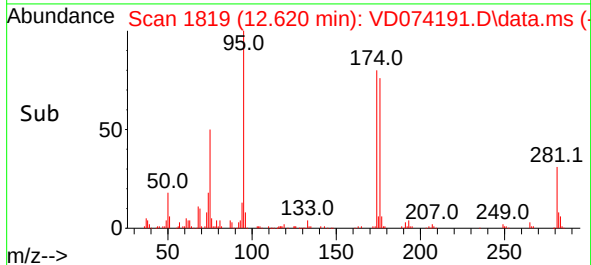
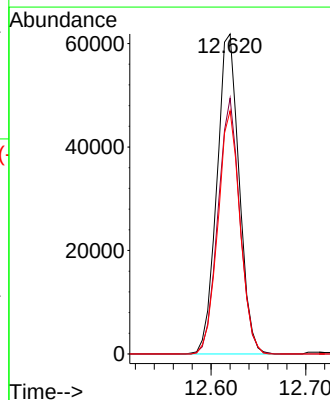
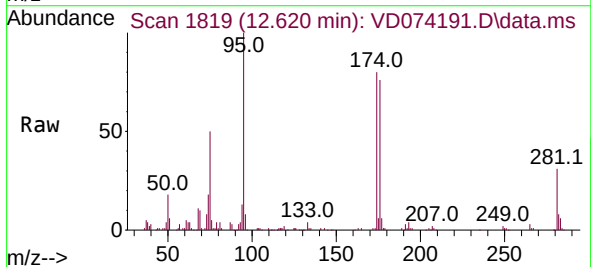
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

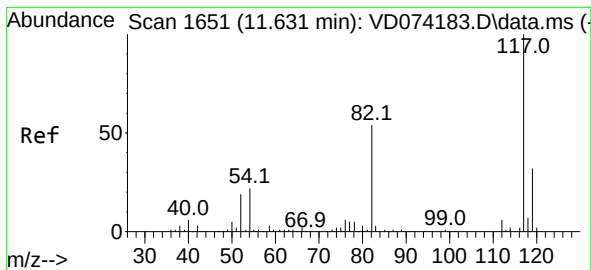
Tgt Ion:107 Resp: 3598
Ion Ratio Lower Upper
107 100
109 103.8 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 46.378 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 95 Resp: 101068
Ion Ratio Lower Upper
95 100
174 78.1 0.0 152.8
176 75.4 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. 0.001 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

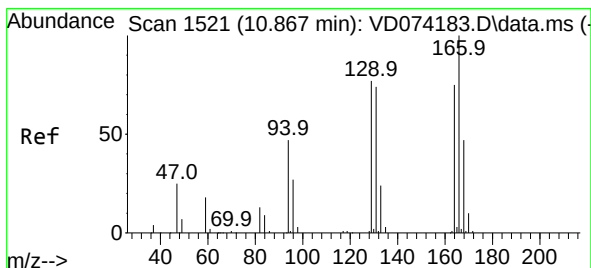
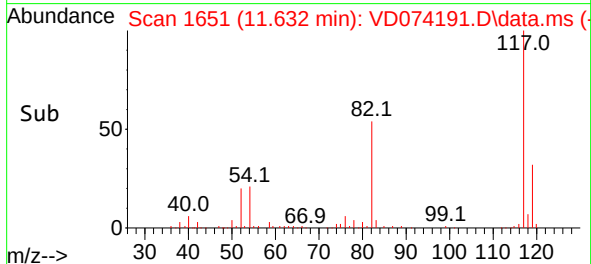
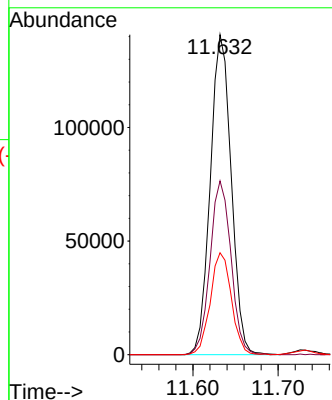
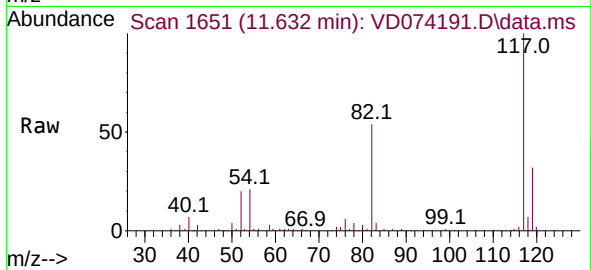
Tgt Ion:117 Resp: 240547

Ion Ratio Lower Upper

117 100

82 54.3 45.3 67.9

119 31.9 26.6 40.0



#64

Tetrachloroethene

Concen: 3.236 ug/l

RT: 10.867 min Scan# 1521

Delta R.T. 0.000 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Tgt Ion:164 Resp: 5680

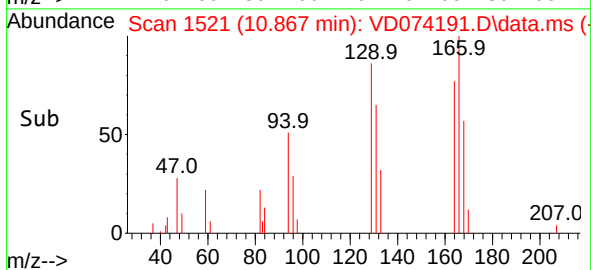
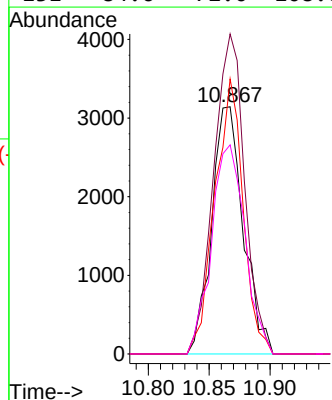
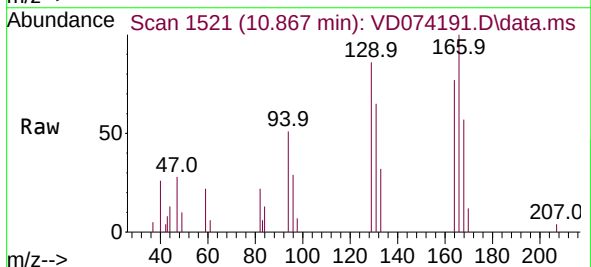
Ion Ratio Lower Upper

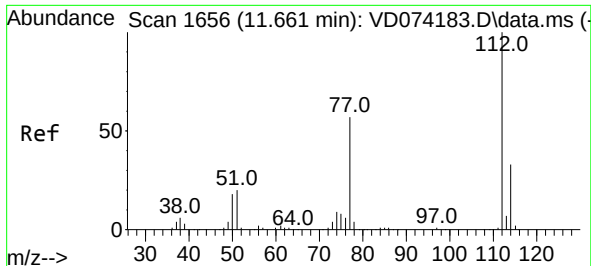
164 100

166 129.5 98.5 147.7

129 111.3 74.6 111.8

131 84.6 72.0 108.0

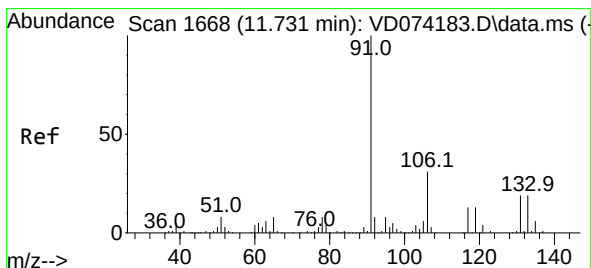
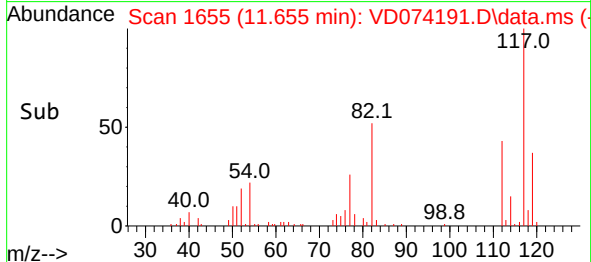
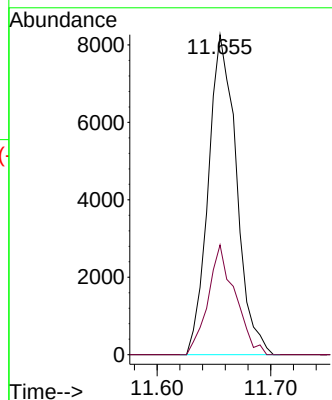
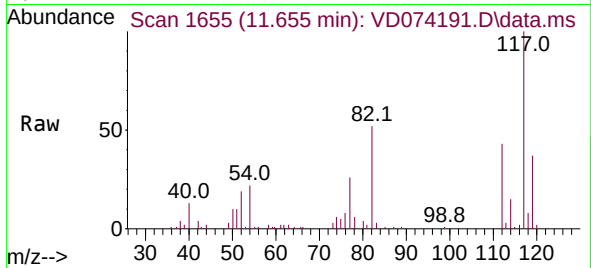




#65
Chlorobenzene
Concen: 2.707 ug/l
RT: 11.655 min Scan# 1655
Delta R.T. -0.006 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

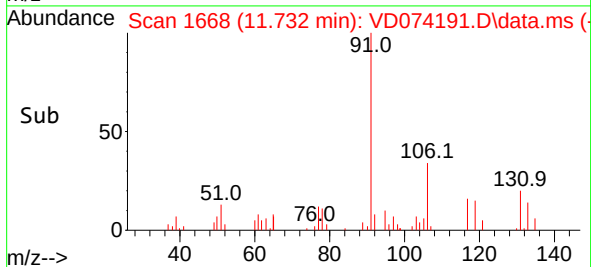
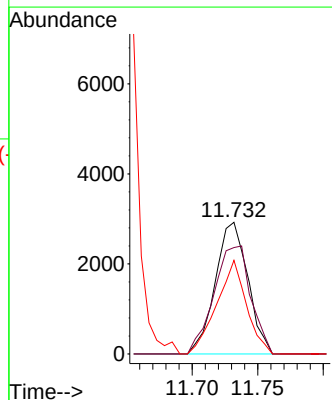
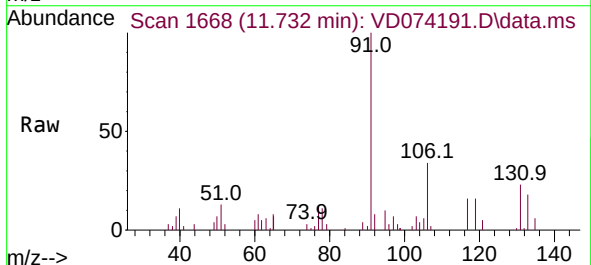
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

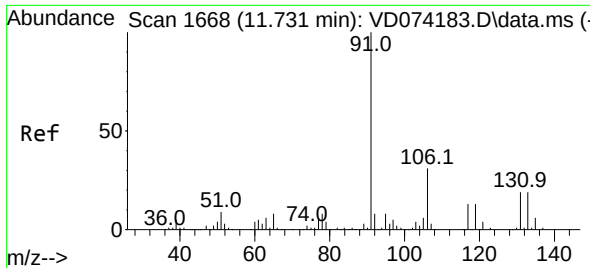
Tgt Ion:112 Resp: 14194
Ion Ratio Lower Upper
112 100
114 34.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 2.567 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion:131 Resp: 5059
Ion Ratio Lower Upper
131 100
133 92.9 48.1 144.3
119 64.9 31.9 95.9

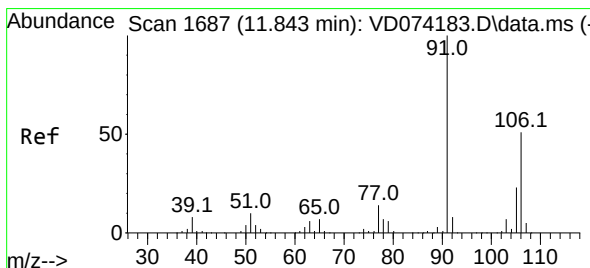
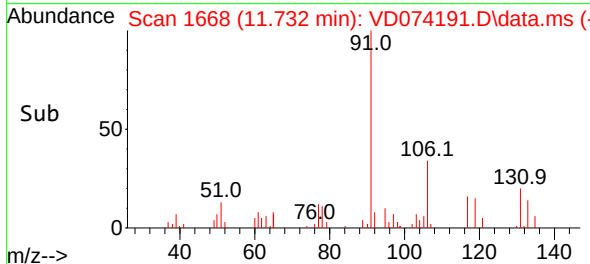
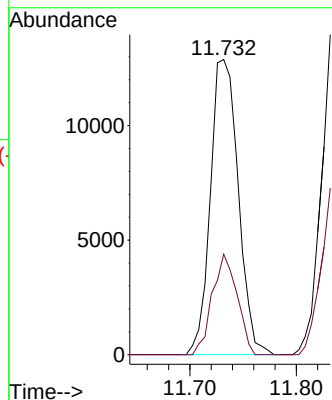
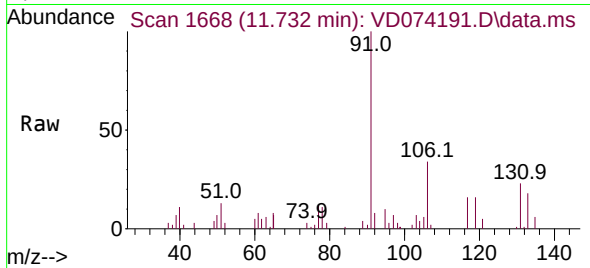




#67
Ethyl Benzene
Concen: 2.610 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

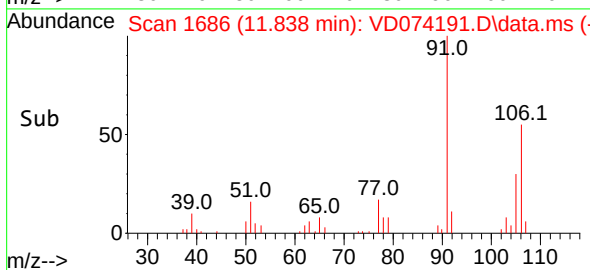
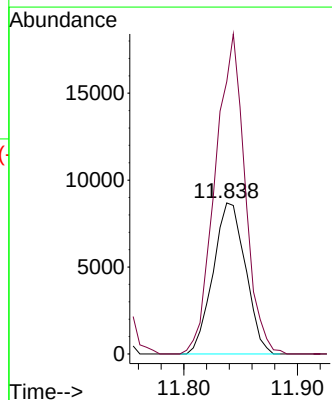
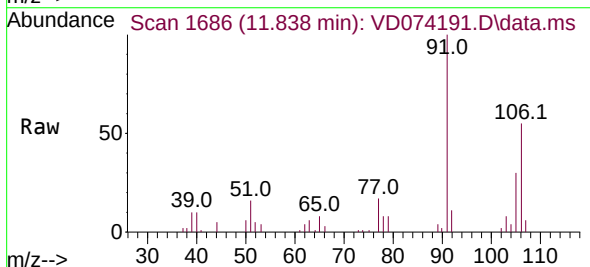
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

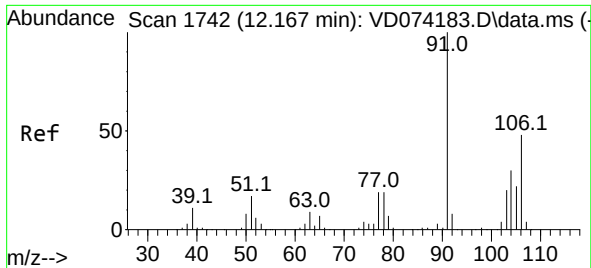
Tgt Ion: 91 Resp: 23418
Ion Ratio Lower Upper
91 100
106 34.0 24.2 36.4



#68
m/p-Xylenes
Concen: 4.813 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.005 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 106 Resp: 17200
Ion Ratio Lower Upper
106 100
91 194.5 163.7 245.5

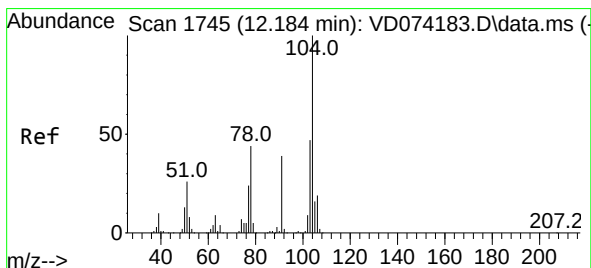
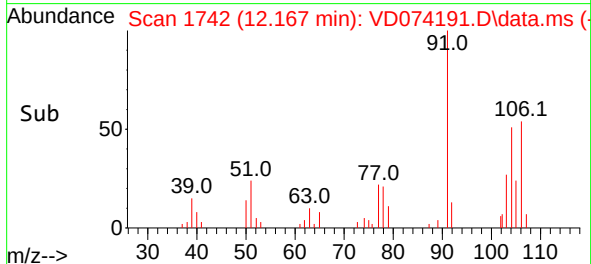
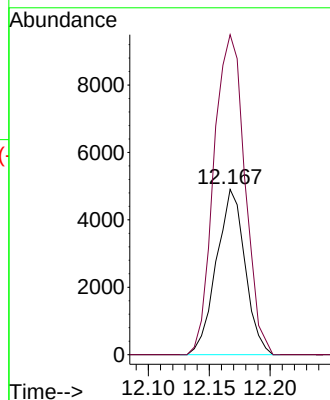
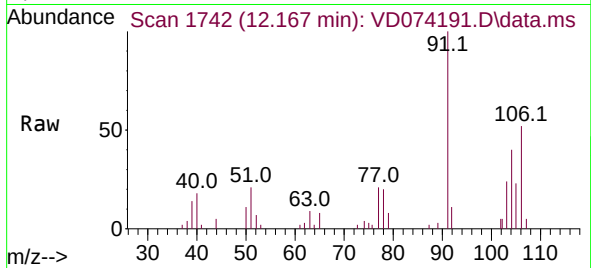




#69
o-Xylene
Concen: 2.434 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

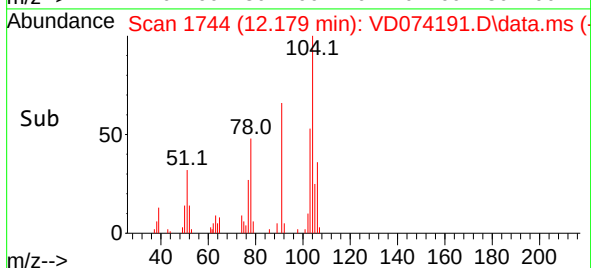
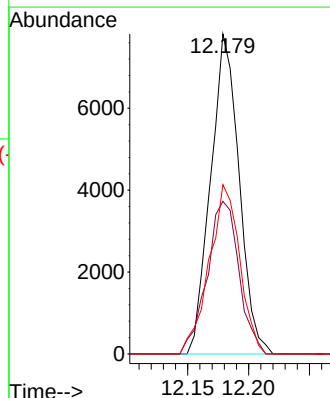
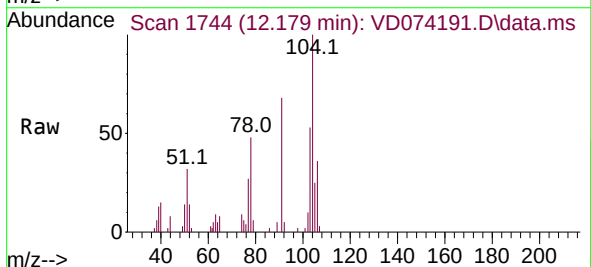
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

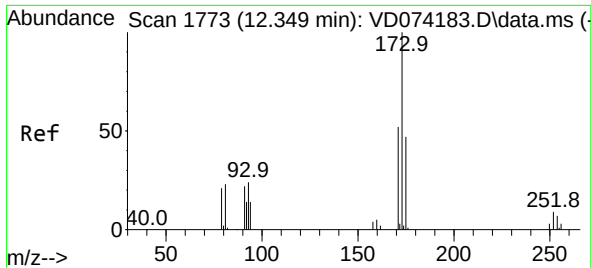
Tgt Ion:106 Resp: 8025
Ion Ratio Lower Upper
106 100
91 209.6 110.4 331.2



#70
Styrene
Concen: 2.244 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.005 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion:104 Resp: 12688
Ion Ratio Lower Upper
104 100
78 53.4 41.8 62.8
103 56.7 44.2 66.4

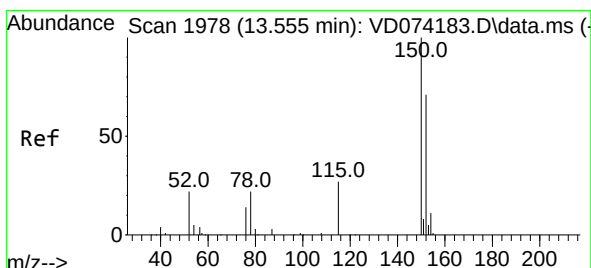
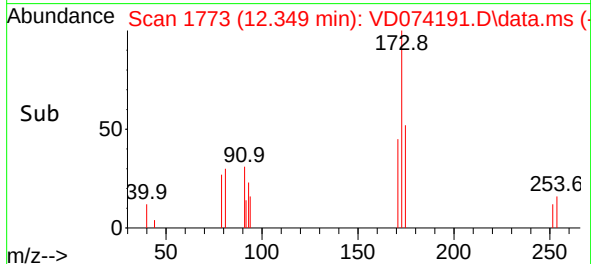
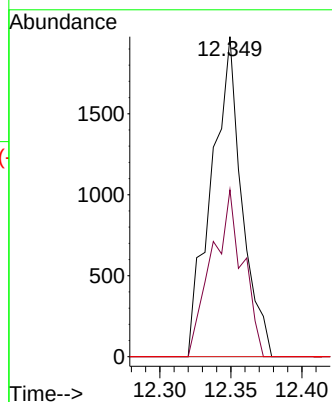
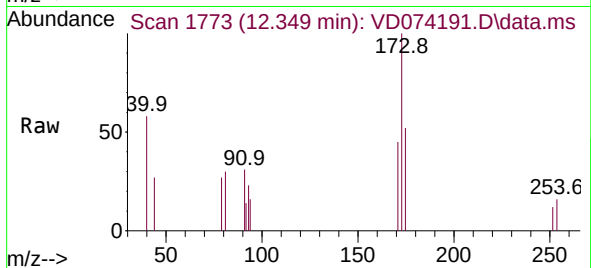




#71
Bromoform
Concen: 2.746 ug/l
RT: 12.349 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

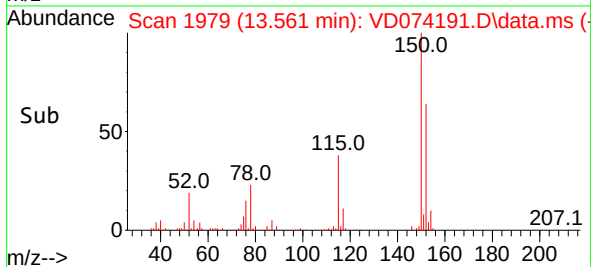
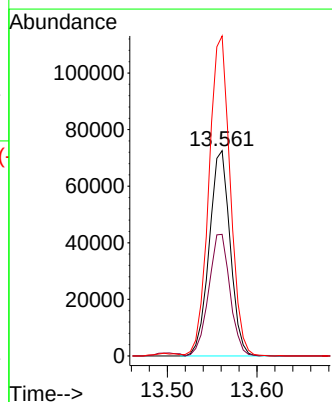
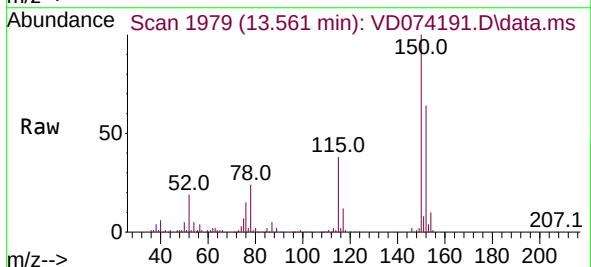
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

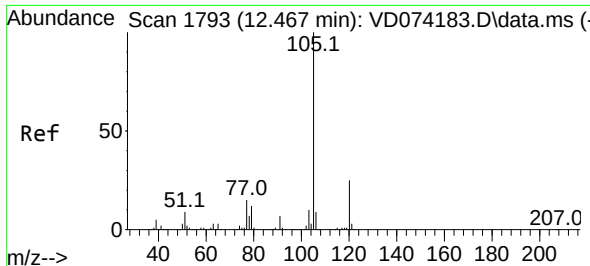
Tgt Ion:173 Resp: 2944
Ion Ratio Lower Upper
173 100
175 53.4 23.9 71.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion:152 Resp: 117417
Ion Ratio Lower Upper
152 100
115 60.4 31.3 93.8
150 158.6 0.0 348.6

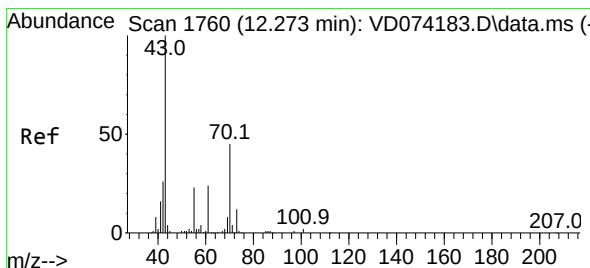
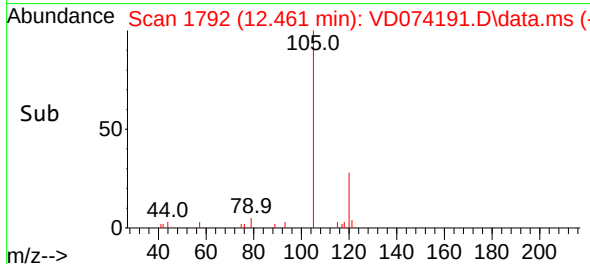
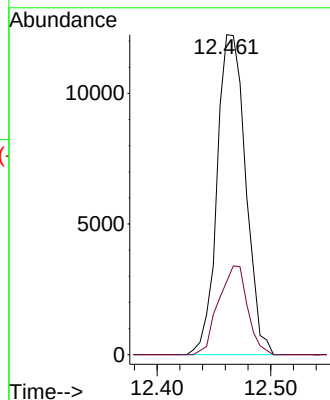
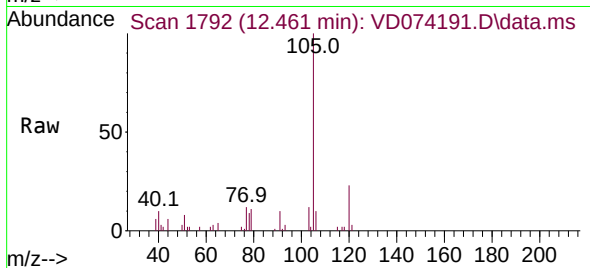




#73
Isopropylbenzene
Concen: 2.516 ug/l
RT: 12.461 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

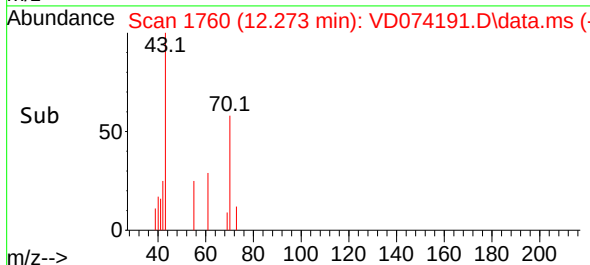
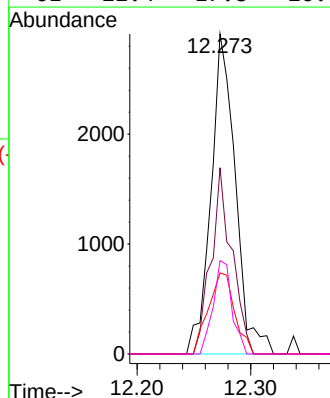
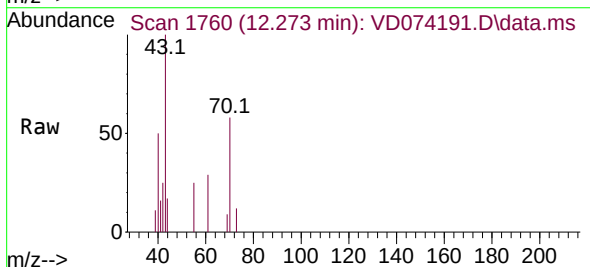
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

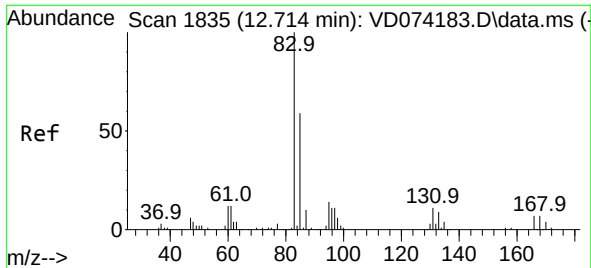
Tgt Ion:105 Resp: 21392
Ion Ratio Lower Upper
105 100
120 28.2 13.0 38.9



#74
N-ethyl acetate
Concen: 2.354 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 43 Resp: 4354
Ion Ratio Lower Upper
43 100
70 49.6 31.3 46.9#
55 27.2 20.0 30.0
61 22.4 17.8 26.8

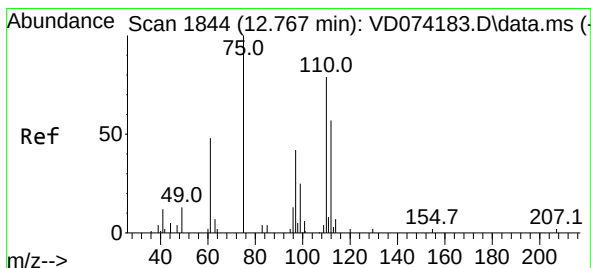
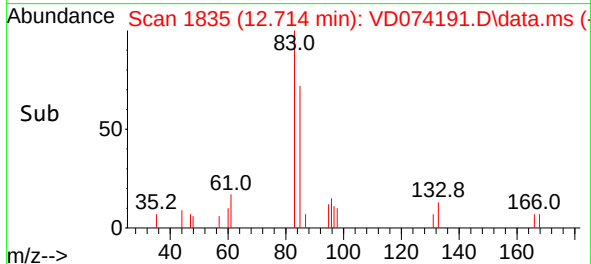
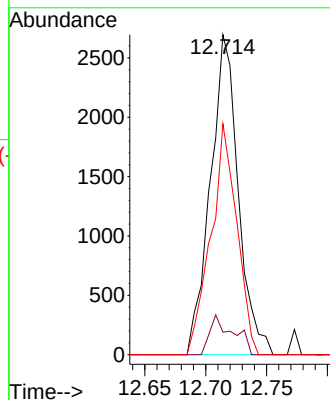
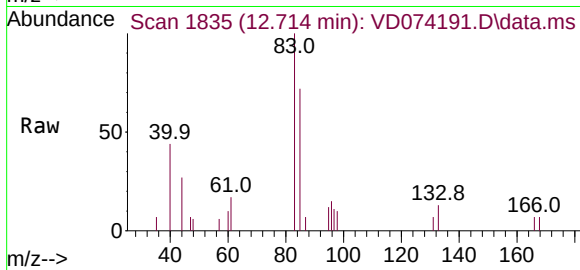




#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.831 ug/l
 RT: 12.714 min Scan# 1835
 Delta R.T. 0.000 min
 Lab File: VD074191.D
 Acq: 23 Aug 2022 18:16

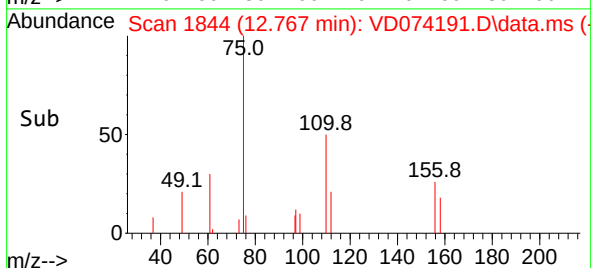
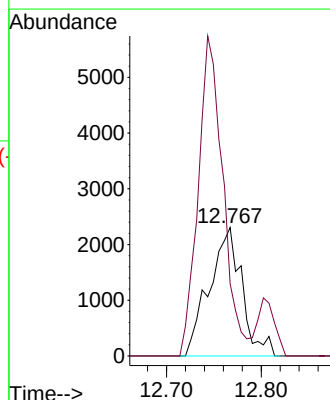
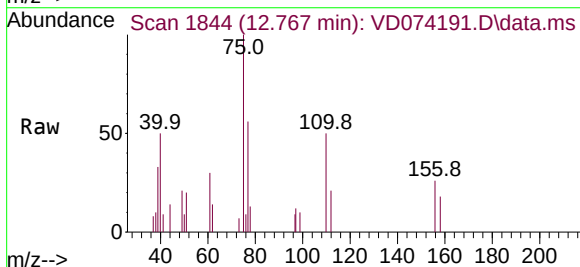
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

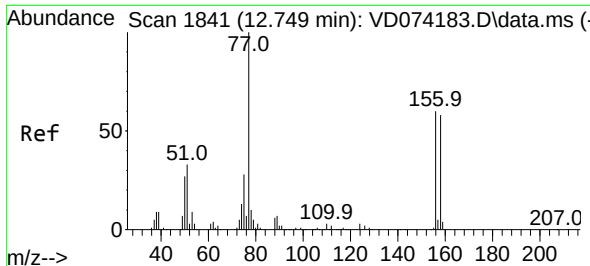
Tgt Ion: 83 Resp: 4298
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.0 14.9
 85 67.2 32.6 98.0



#76
 1,2,3-Trichloropropane
 Concen: 4.804 ug/l
 RT: 12.767 min Scan# 1844
 Delta R.T. 0.000 min
 Lab File: VD074191.D
 Acq: 23 Aug 2022 18:16

Tgt Ion: 75 Resp: 5508
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

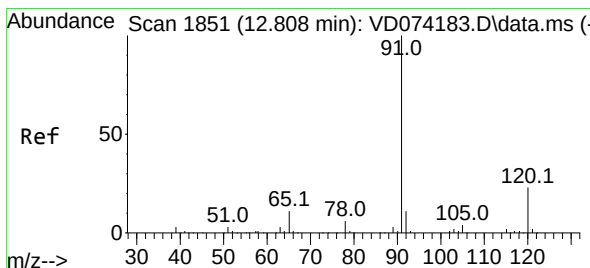
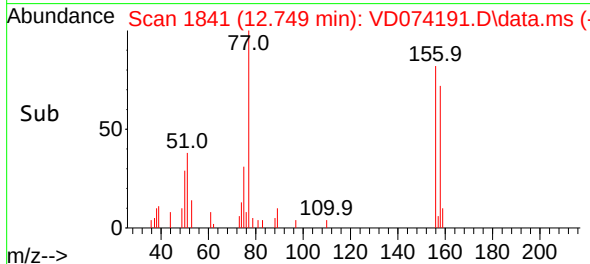
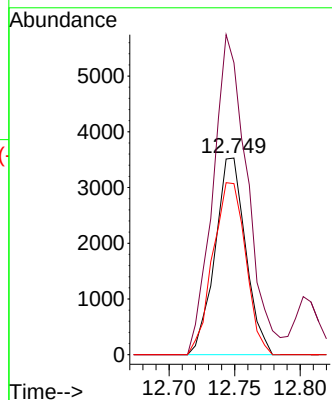
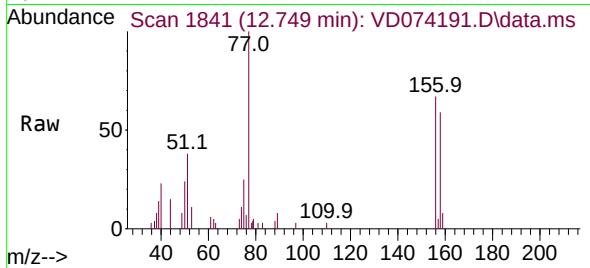




#77
Bromobenzene
Concen: 2.850 ug/l
RT: 12.749 min Scan# 1841
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

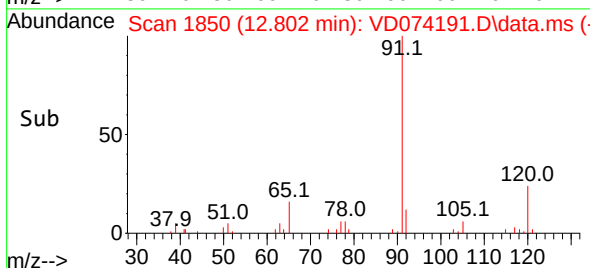
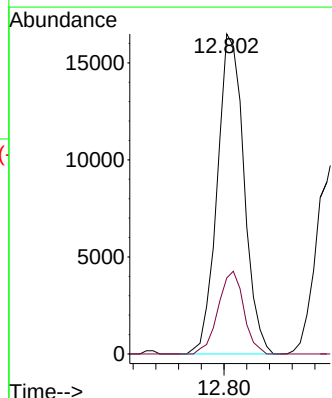
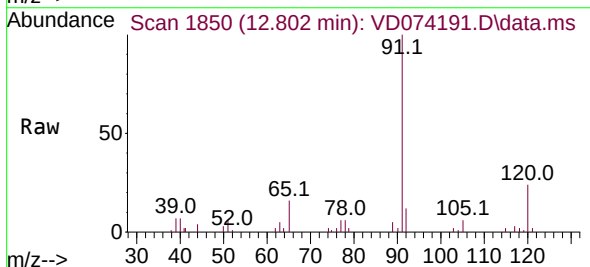
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

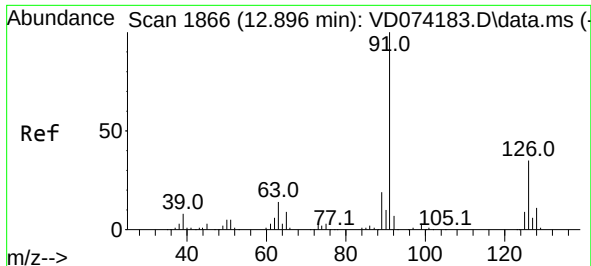
Tgt Ion	Ratio	Lower	Upper
156	100		
77	181.3	102.8	308.3
158	93.4	48.7	146.1



#78
n-propylbenzene
Concen: 2.594 ug/l
RT: 12.802 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	10.9	32.9

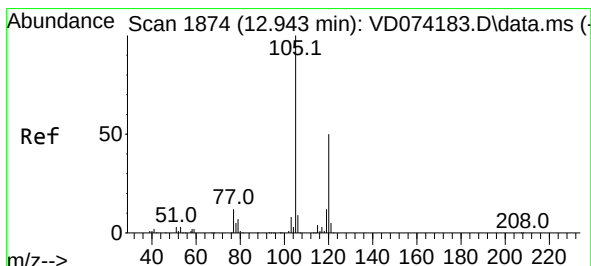
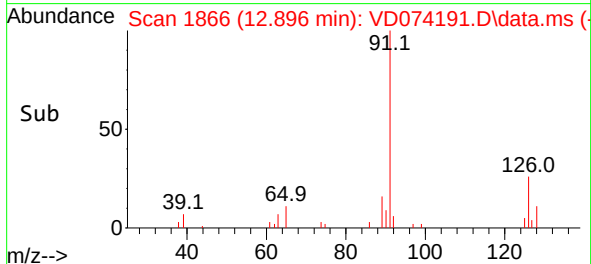
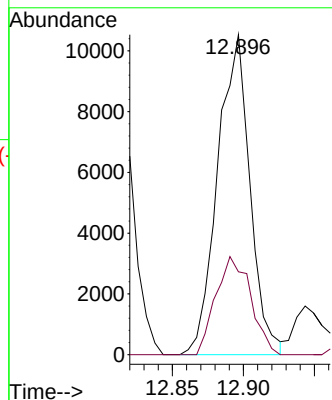
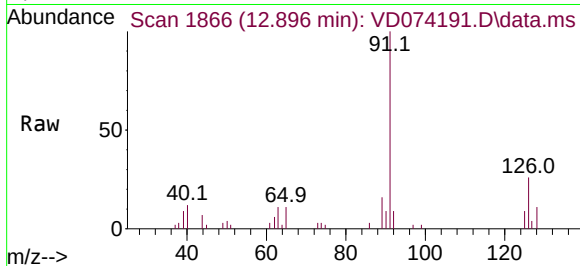




#79
2-Chlorotoluene
Concen: 2.779 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

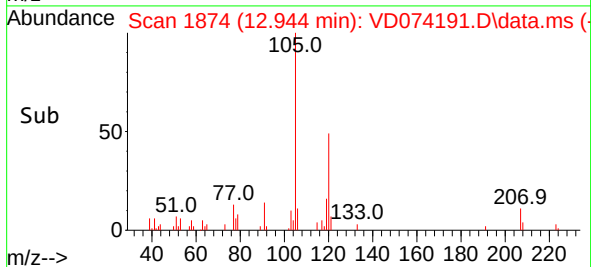
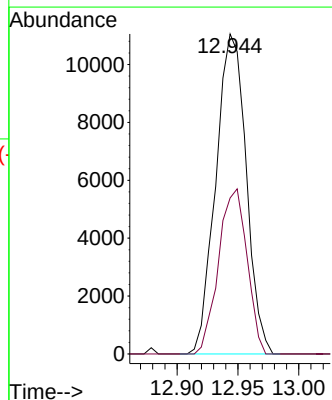
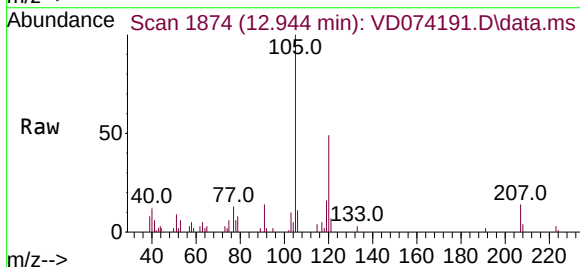
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

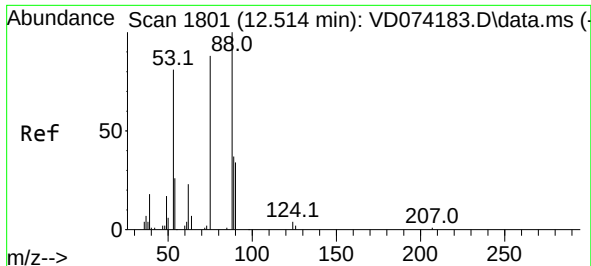
Tgt Ion: 91 Resp: 16686
Ion Ratio Lower Upper
91 100
126 33.1 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 2.627 ug/l
RT: 12.944 min Scan# 1874
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 105 Resp: 19186
Ion Ratio Lower Upper
105 100
120 48.3 24.3 72.8

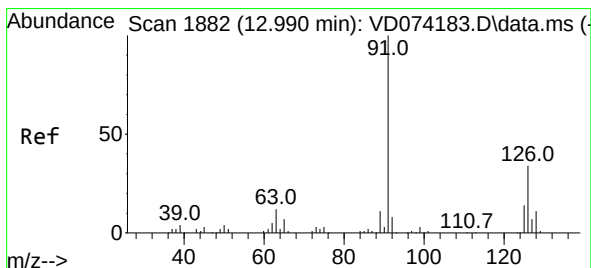
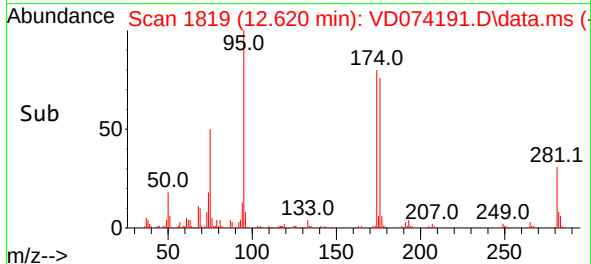
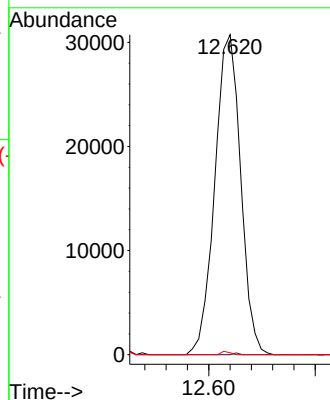
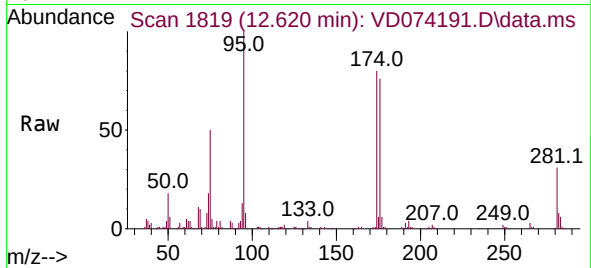




#81
trans-1,4-Dichloro-2-butene
Concen: 115.874 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

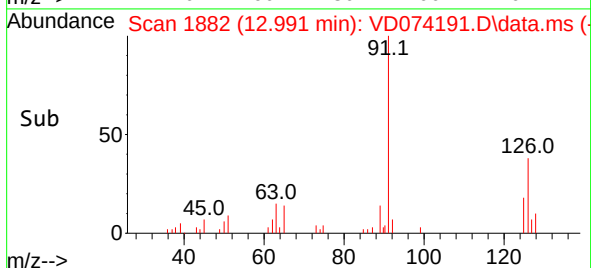
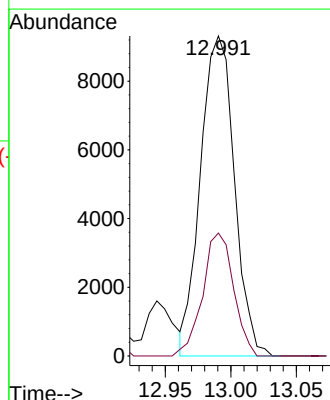
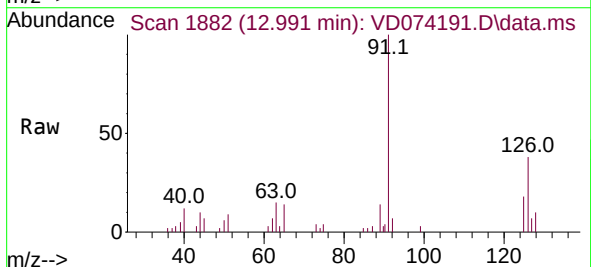
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

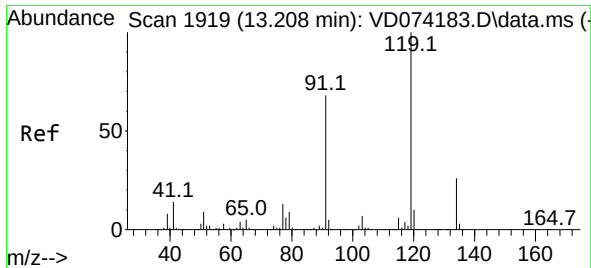
Tgt Ion: 75 Resp: 51659
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.3 33.9 50.9#



#82
4-Chlorotoluene
Concen: 2.637 ug/l
RT: 12.991 min Scan# 1882
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 91 Resp: 16748
Ion Ratio Lower Upper
91 100
126 35.0 16.5 49.5

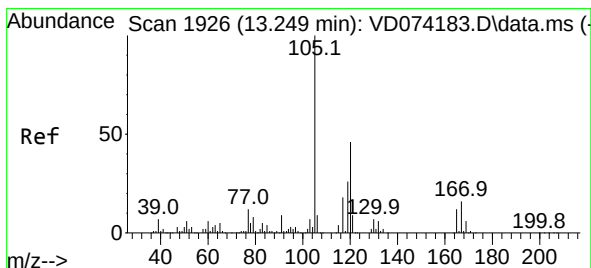
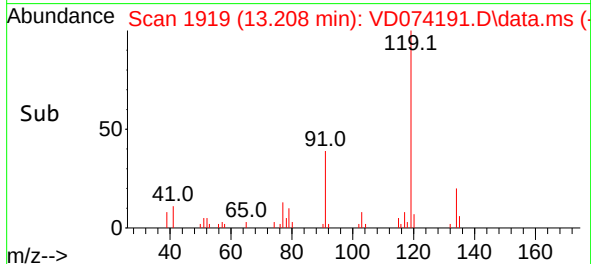
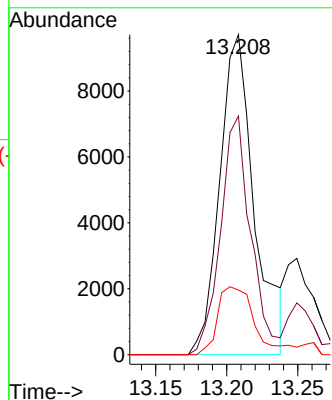
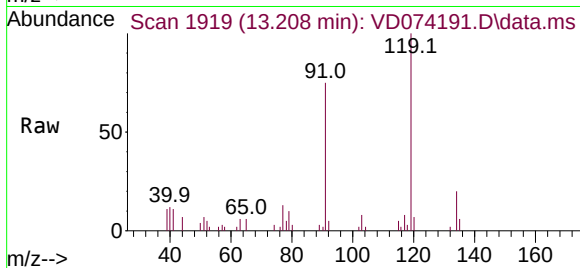




#83
tert-Butylbenzene
Concen: 2.671 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

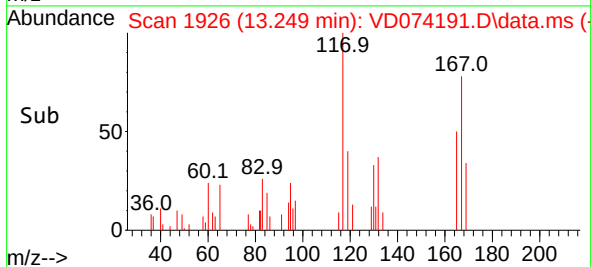
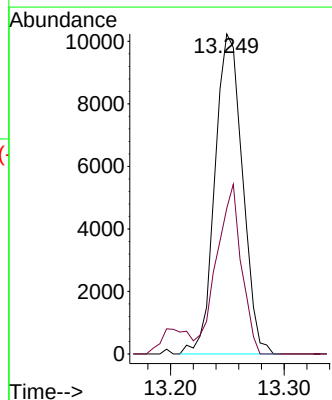
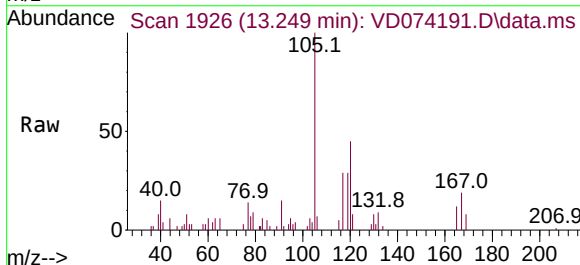
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

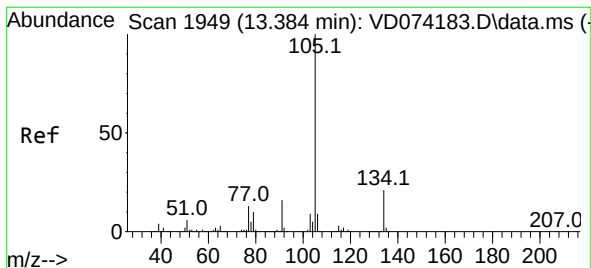
Tgt Ion:119 Resp: 16434
Ion Ratio Lower Upper
119 100
91 65.4 34.8 104.5
134 23.0 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 2.430 ug/l
RT: 13.249 min Scan# 1926
Delta R.T. 0.000 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion:105 Resp: 17276
Ion Ratio Lower Upper
105 100
120 47.8 22.3 66.8





#85

sec-Butylbenzene

Concen: 2.479 ug/l

RT: 13.385 min Scan# 1949

Delta R.T. 0.001 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

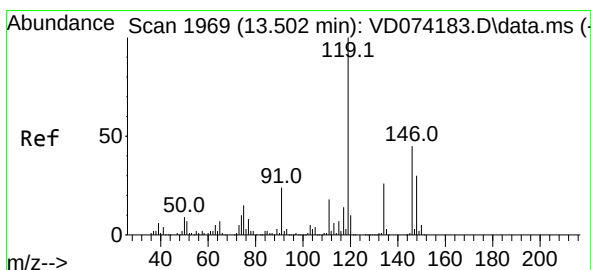
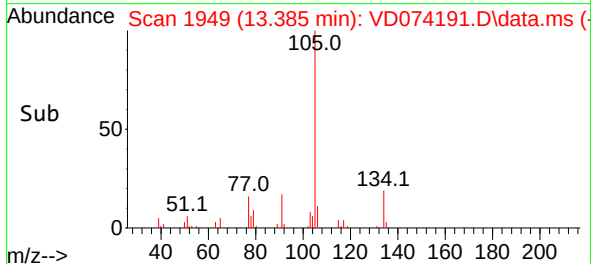
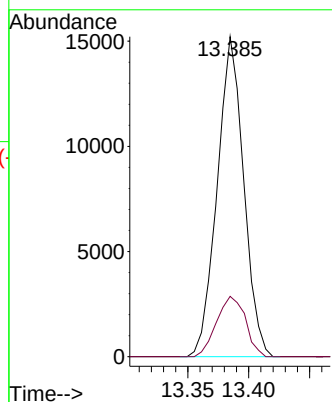
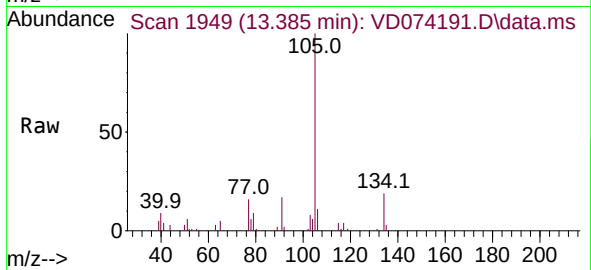
MDL-SOIL-03-QT3-2022

Tgt Ion:105 Resp: 23052

Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.3



#86

p-Isopropyltoluene

Concen: 2.335 ug/l

RT: 13.496 min Scan# 1968

Delta R.T. -0.006 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

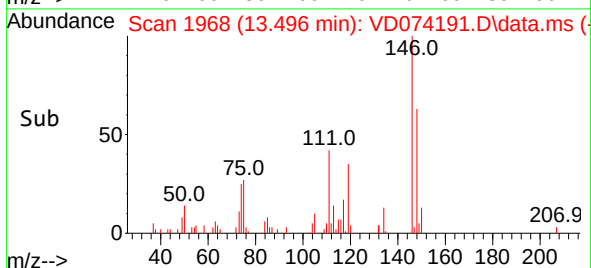
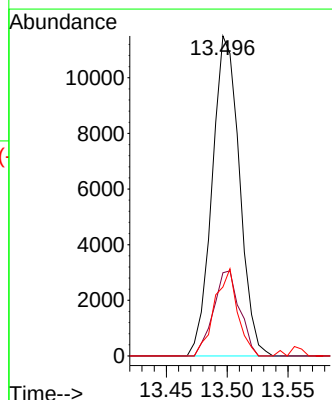
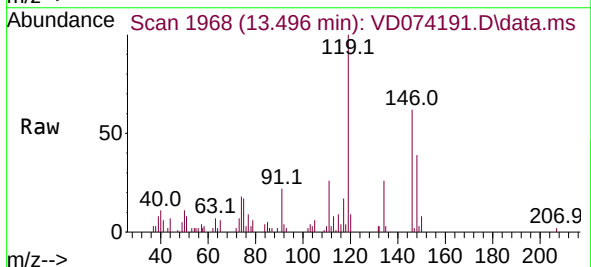
Tgt Ion:119 Resp: 17919

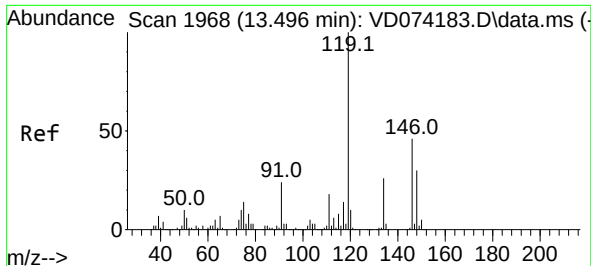
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 23.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 2.930 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. 0.006 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

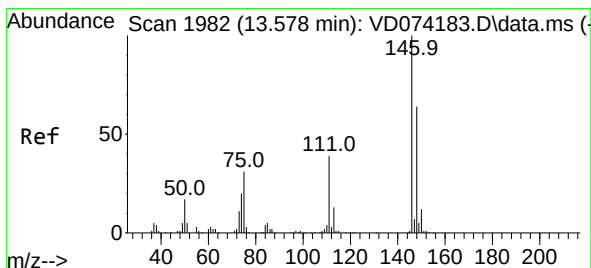
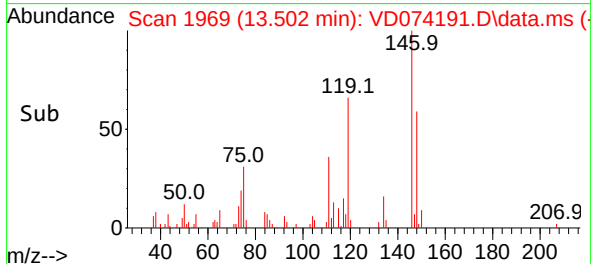
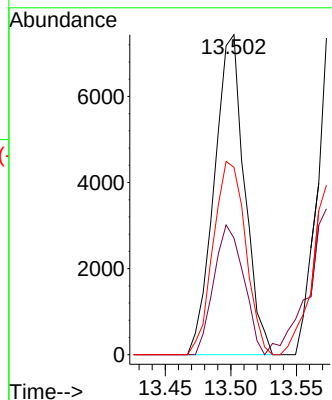
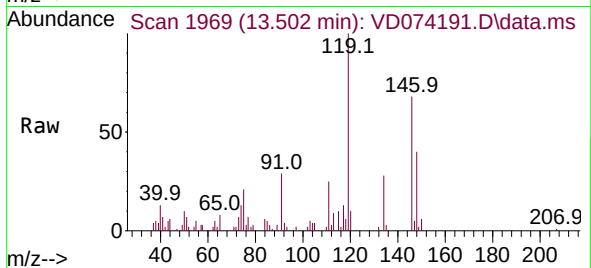
Tgt Ion:146 Resp: 11939

Ion Ratio Lower Upper

146 100

111 39.9 20.4 61.3

148 64.5 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 2.929 ug/l

RT: 13.579 min Scan# 1982

Delta R.T. 0.001 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

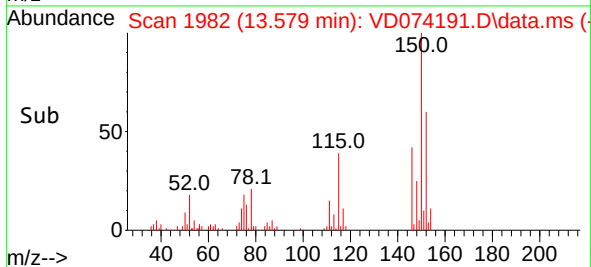
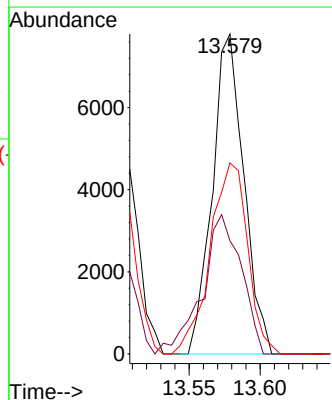
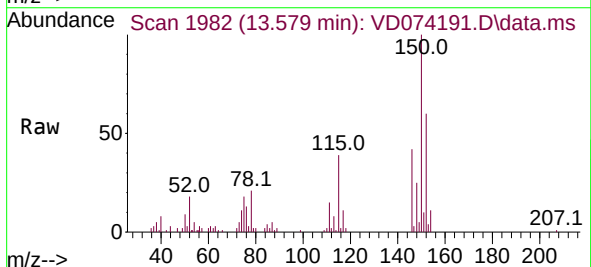
Tgt Ion:146 Resp: 12023

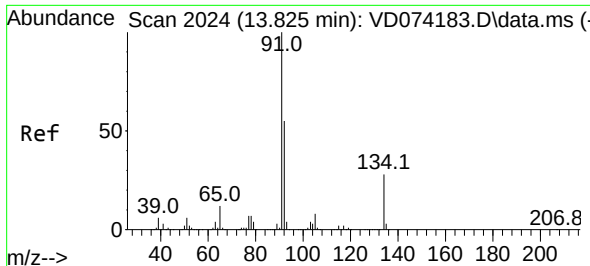
Ion Ratio Lower Upper

146 100

111 53.9 20.3 60.9

148 71.0 31.7 95.1

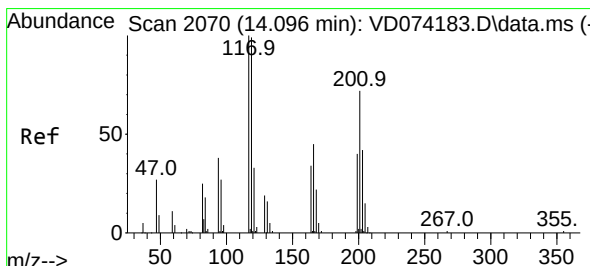
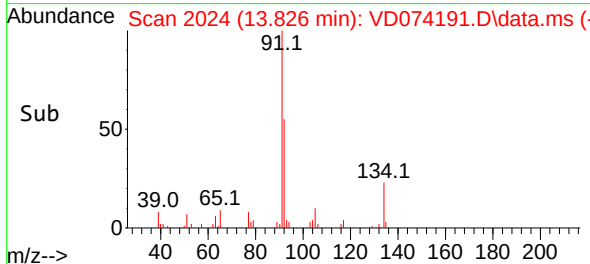
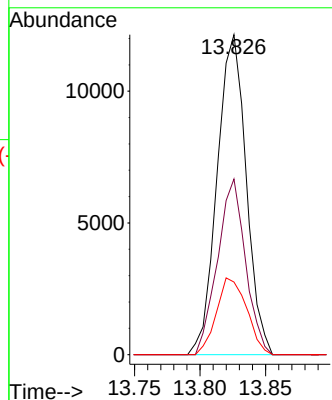
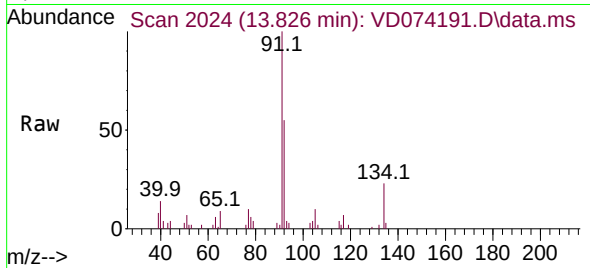




#89
n-Butylbenzene
Concen: 2.570 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

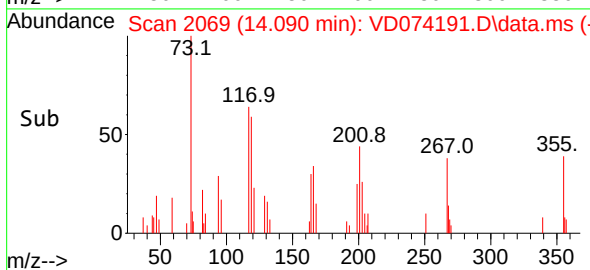
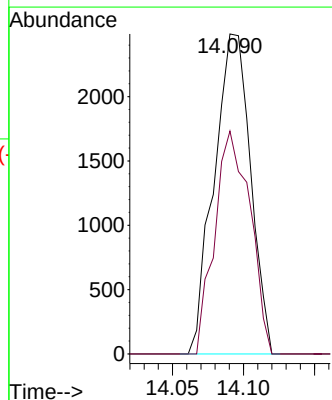
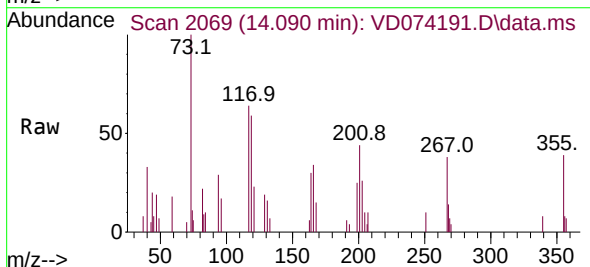
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

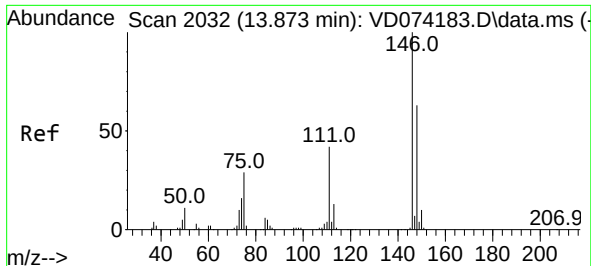
Tgt Ion: 91 Resp: 18693
Ion Ratio Lower Upper
91 100
92 52.8 26.6 79.8
134 25.0 12.3 36.9



#90
Hexachloroethane
Concen: 2.854 ug/l
RT: 14.090 min Scan# 2069
Delta R.T. -0.006 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion: 117 Resp: 4443
Ion Ratio Lower Upper
117 100
201 67.5 33.4 100.2





#91

1,2-Dichlorobenzene

Concen: 2.850 ug/l

RT: 13.873 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

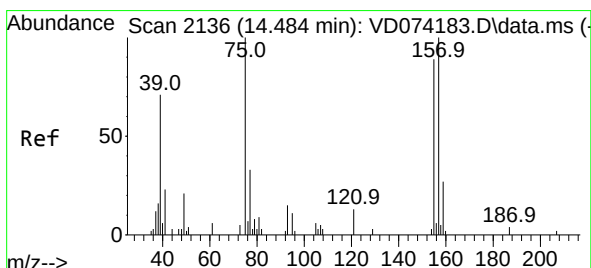
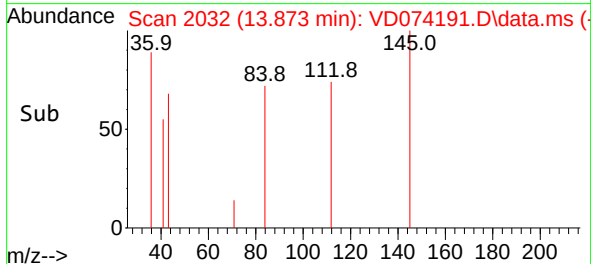
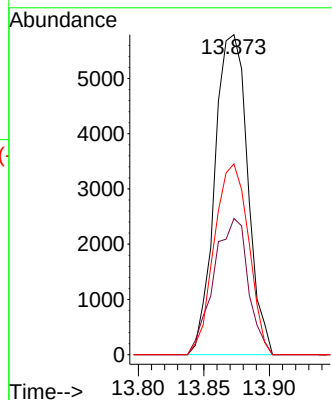
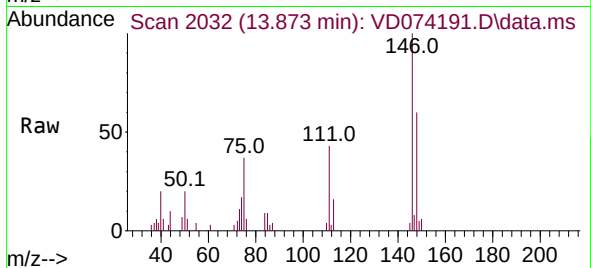
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:	146	Resp:	10098
Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.1	63.3
148	62.2	31.7	95.1



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.973 ug/l

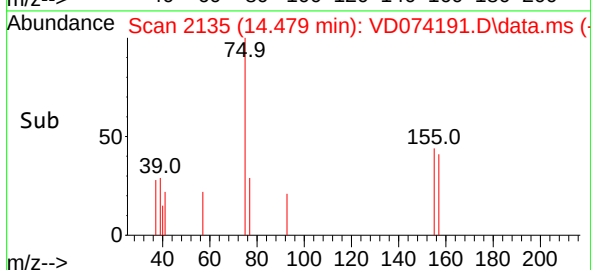
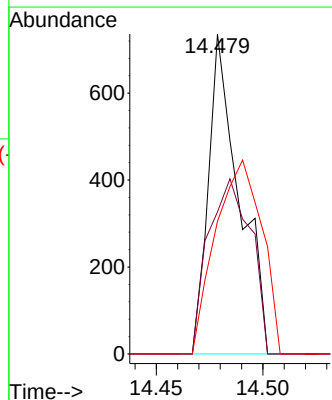
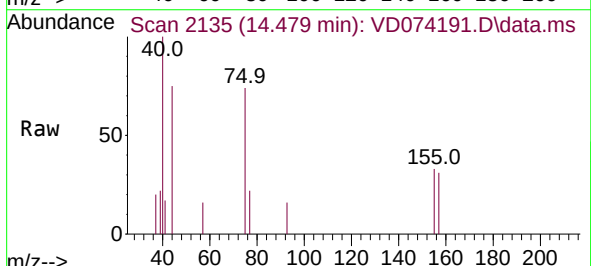
RT: 14.479 min Scan# 2135

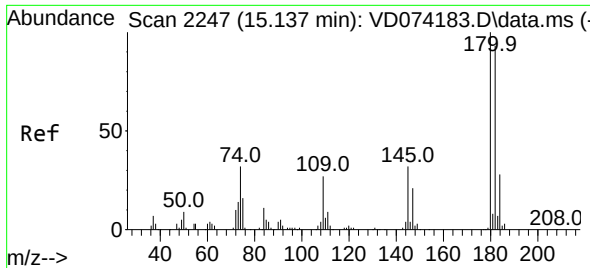
Delta R.T. -0.005 min

Lab File: VD074191.D

Acq: 23 Aug 2022 18:16

Tgt Ion:	75	Resp:	739
Ion	Ratio	Lower	Upper
75	100		
155	75.2	36.8	110.3
157	90.8	48.4	145.0

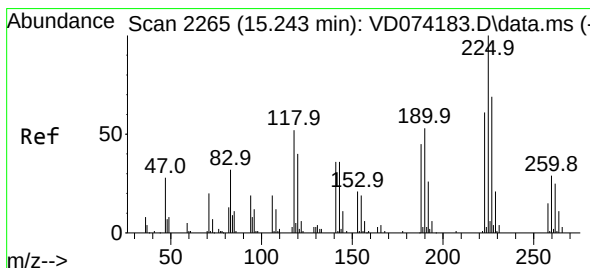
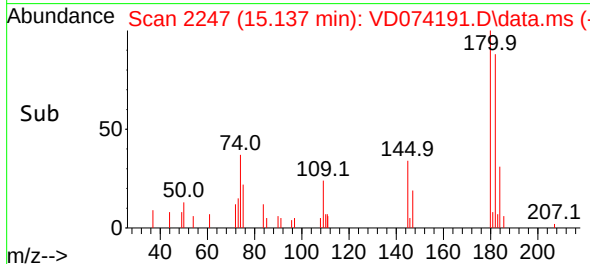
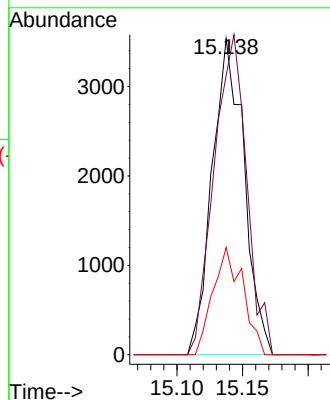
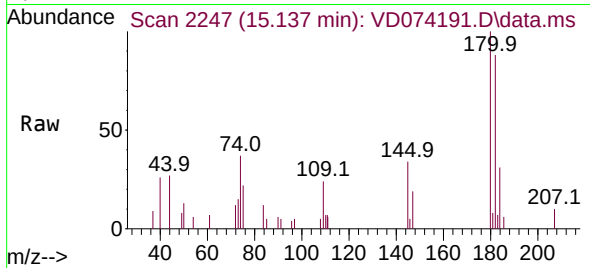




#93
 1,2,4-Trichlorobenzene
 Concen: 2.764 ug/l
 RT: 15.137 min Scan# 2247
 Delta R.T. 0.000 min
 Lab File: VD074191.D
 Acq: 23 Aug 2022 18:16

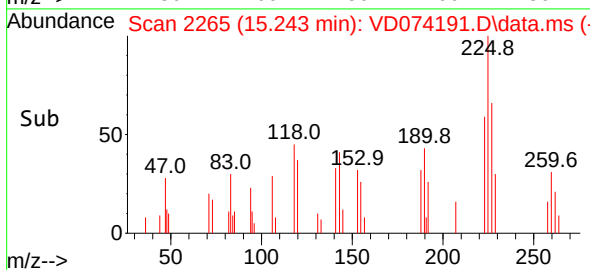
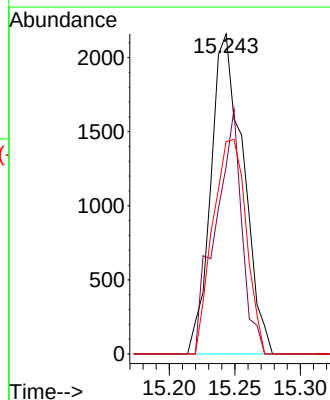
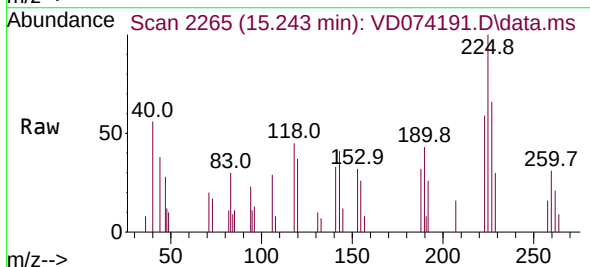
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

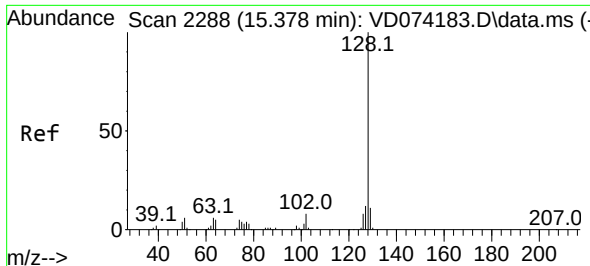
Tgt Ion:180 Resp: 5977
 Ion Ratio Lower Upper
 180 100
 182 103.5 47.3 142.0
 145 31.9 16.2 48.5



#94
 Hexachlorobutadiene
 Concen: 3.042 ug/l
 RT: 15.243 min Scan# 2265
 Delta R.T. 0.000 min
 Lab File: VD074191.D
 Acq: 23 Aug 2022 18:16

Tgt Ion:225 Resp: 3691
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.1 93.2
 227 69.1 32.4 97.0

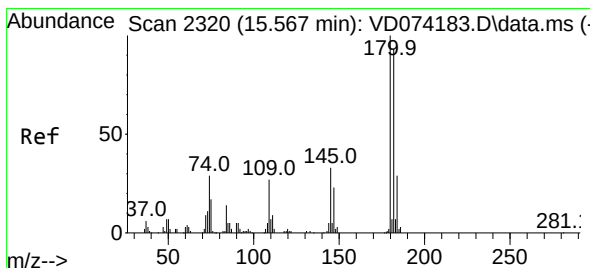
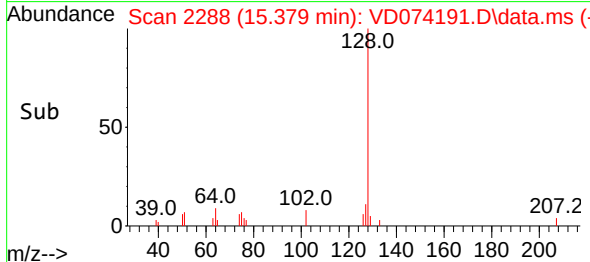
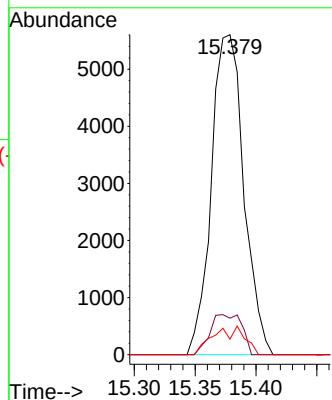
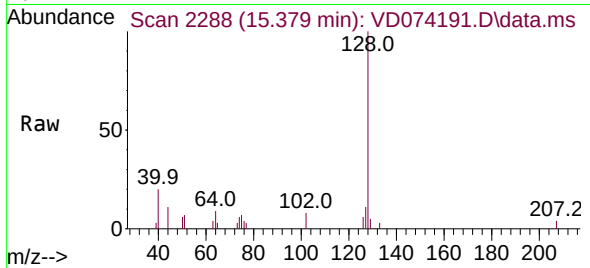




#95
Naphthalene
Concen: 2.654 ug/l
RT: 15.379 min Scan# 21
Delta R.T. 0.001 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:128 Resp: 10384
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 8.6 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 2.920 ug/l
RT: 15.573 min Scan# 2321
Delta R.T. 0.006 min
Lab File: VD074191.D
Acq: 23 Aug 2022 18:16

Tgt Ion:180 Resp: 5507
Ion Ratio Lower Upper
180 100
182 89.6 47.6 142.9
145 32.6 17.1 51.3

