

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074192.D
 Acq On : 23 Aug 2022 18:45
 Operator : VA/SY
 Sample : N3980-03 4PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Aug 24 06:09:55 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	7.967	168	151835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	248859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	238135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	118676	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	72179	46.521	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.040%
35) Dibromofluoromethane	7.909	113	80579	48.408	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.820%
50) Toluene-d8	10.332	98	236283	44.105	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.200%
62) 4-Bromofluorobenzene	12.614	95	101573	47.993	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.980%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	9269	7.275	ug/l	94
3) Chloromethane	2.209	50	4134	4.554	ug/l	88
4) Vinyl Chloride	2.344	62	3837	4.026	ug/l	90
5) Bromomethane	2.768	94	3115	5.061	ug/l	92
6) Chloroethane	2.921	64	2921	4.723	ug/l #	83
7) Trichlorofluoromethane	3.262	101	12570	4.540	ug/l	91
8) Diethyl Ether	3.703	74	3122	4.196	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.085	101	7804	4.659	ug/l	96
10) Methyl Iodide	4.285	142	6732	3.664	ug/l #	89
11) Tert butyl alcohol	5.226	59	2738	28.339	ug/l #	79
12) 1,1-Dichloroethene	4.056	96	5865	3.915	ug/l	79
13) Acrolein	3.932	56	1060	23.371	ug/l	91
14) Allyl chloride	4.703	41	10471	4.464	ug/l	92
15) Acrylonitrile	5.421	53	7941	22.956	ug/l	96
16) Acetone	4.156	43	7238	24.486	ug/l #	89
17) Carbon Disulfide	4.397	76	15829	3.609	ug/l #	91
18) Methyl Acetate	4.715	43	6027	6.468	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	14658	4.086	ug/l #	90
20) Methylene Chloride	4.956	84	27174	11.737	ug/l	85
21) trans-1,2-Dichloroethene	5.462	96	7482	4.271	ug/l	80
22) Diisopropyl ether	6.356	45	18674	3.882	ug/l #	87
23) Vinyl Acetate	6.297	43	31362	12.756	ug/l	98
24) 1,1-Dichloroethane	6.256	63	13962	4.403	ug/l	97
25) 2-Butanone	7.209	43	12533	27.388	ug/l	97
26) 2,2-Dichloropropane	7.203	77	14632	5.121	ug/l	91
27) cis-1,2-Dichloroethene	7.203	96	8344	4.239	ug/l	97
28) Bromochloromethane	7.550	49	4653	4.854	ug/l #	81
29) Tetrahydrofuran	7.562	42	5697	20.629	ug/l #	62
30) Chloroform	7.709	83	15020	4.492	ug/l	88
31) Cyclohexane	7.979	56	13191	4.777	ug/l #	84
32) 1,1,1-Trichloroethane	7.891	97	12991	4.193	ug/l	98
36) 1,1-Dichloropropene	8.103	75	10494	4.171	ug/l	98
37) Ethyl Acetate	7.285	43	4818	4.857	ug/l #	92
38) Carbon Tetrachloride	8.091	117	10548	3.903	ug/l	93
39) Methylcyclohexane	9.350	83	10565	3.680	ug/l	85
40) Benzene	8.344	78	29042	4.095	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.515	41	2110	3.539	ug/l #	73
42) 1,2-Dichloroethane	8.420	62	8128	3.888	ug/l	92
43) Isopropyl Acetate	8.450	43	7658	3.838	ug/l #	87
44) Trichloroethene	9.097	130	8362	4.067	ug/l	81
45) 1,2-Dichloropropane	9.379	63	8048	4.546	ug/l	91
46) Dibromomethane	9.467	93	4234	4.287	ug/l #	89
47) Bromodichloromethane	9.650	83	10612	4.131	ug/l #	97
48) Methyl methacrylate	9.450	41	3455	3.745	ug/l #	86
49) 1,4-Dioxane	9.444	88	750	66.924	ug/l #	92
51) 4-Methyl-2-Pentanone	10.220	43	19176	19.236	ug/l	98
52) Toluene	10.391	92	19677	4.221	ug/l	91
53) t-1,3-Dichloropropene	10.614	75	9319	4.000	ug/l	95
54) cis-1,3-Dichloropropene	10.079	75	10566	3.825	ug/l	87
55) 1,1,2-Trichloroethane	10.785	97	6136	4.543	ug/l	94
56) Ethyl methacrylate	10.650	69	5490	3.558	ug/l #	88
57) 1,3-Dichloropropane	10.932	76	9256	4.101	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.932	63	8585	18.380	ug/l	94
59) 2-Hexanone	10.973	43	12892	19.181	ug/l	96
60) Dibromochloromethane	11.126	129	7114	4.055	ug/l	100
61) 1,2-Dibromoethane	11.232	107	5430	4.121	ug/l	99
64) Tetrachloroethene	10.867	164	7106	4.089	ug/l #	89
65) Chlorobenzene	11.655	112	21009	4.048	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	7808	4.002	ug/l	99
67) Ethyl Benzene	11.732	91	32625	3.673	ug/l	94
68) m/p-Xylenes	11.838	106	24425	6.904	ug/l	100
69) o-Xylene	12.167	106	11247	3.445	ug/l	98
70) Styrene	12.185	104	19404	3.467	ug/l	95
71) Bromoform	12.350	173	4473	4.215	ug/l #	100
73) Isopropylbenzene	12.461	105	30771	3.581	ug/l	99
74) N-amyl acetate	12.273	43	6290	3.365	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	6803	4.433	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	7677	6.625	ug/l #	100
77) Bromobenzene	12.744	156	8276	4.065	ug/l	92
78) n-propylbenzene	12.802	91	40157	3.821	ug/l	98
79) 2-Chlorotoluene	12.891	91	23732	3.911	ug/l	95
80) 1,3,5-Trimethylbenzene	12.944	105	27598	3.738	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	1882	4.177	ug/l #	76
82) 4-Chlorotoluene	12.991	91	24026	3.743	ug/l	99
83) tert-Butylbenzene	13.208	119	20803	3.345	ug/l	99
84) 1,2,4-Trimethylbenzene	13.250	105	25856	3.599	ug/l	100
85) sec-Butylbenzene	13.385	105	32863	3.496	ug/l	95
86) p-Isopropyltoluene	13.502	119	26063	3.360	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	16500	4.007	ug/l	97
88) 1,4-Dichlorobenzene	13.579	146	17155	4.135	ug/l	93
89) n-Butylbenzene	13.820	91	26710	3.634	ug/l	98
90) Hexachloroethane	14.091	117	6001	3.814	ug/l	95
91) 1,2-Dichlorobenzene	13.873	146	13969	3.901	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.491	75	1231	4.900	ug/l	88
93) 1,2,4-Trichlorobenzene	15.132	180	8403	3.845	ug/l	98
94) Hexachlorobutadiene	15.244	225	4547	3.708	ug/l	88
95) Naphthalene	15.373	128	14934	3.776	ug/l	97
96) 1,2,3-Trichlorobenzene	15.567	180	7697	4.039	ug/l	90

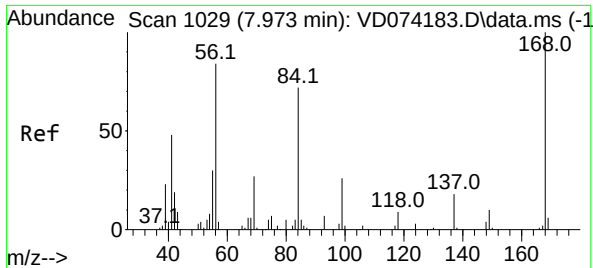
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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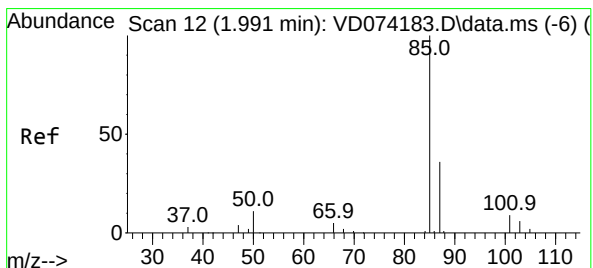
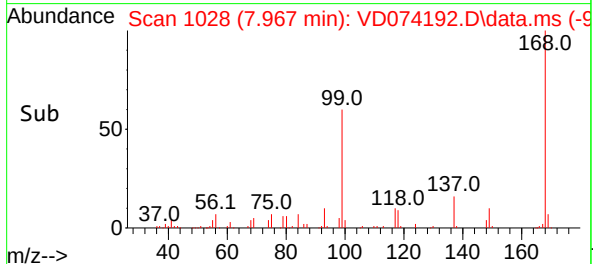
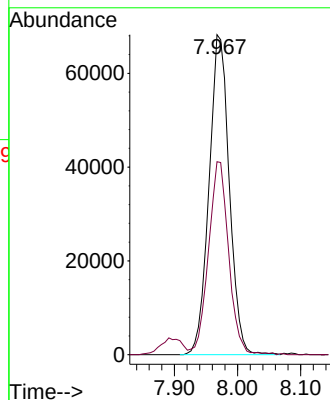
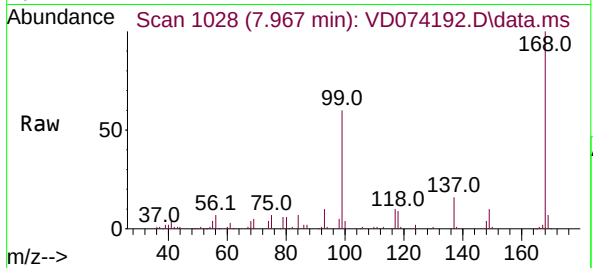
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

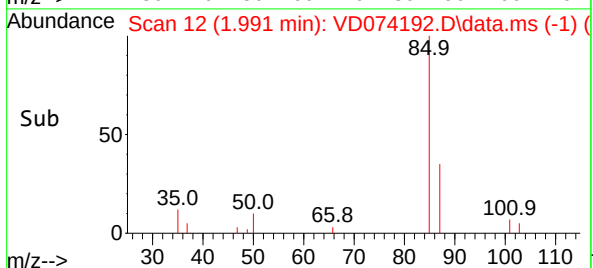
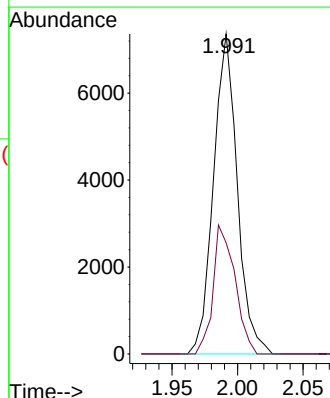
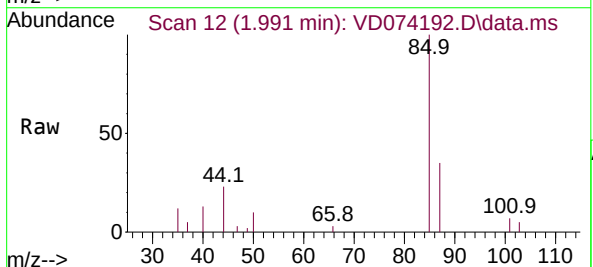
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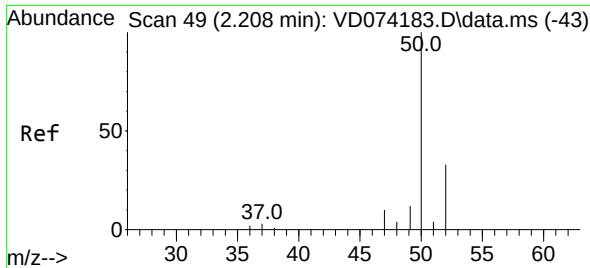
Tgt Ion:168 Resp: 151835
Ion Ratio Lower Upper
168 100
99 60.0 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 7.275 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 85 Resp: 9269
Ion Ratio Lower Upper
85 100
87 34.7 15.7 47.0

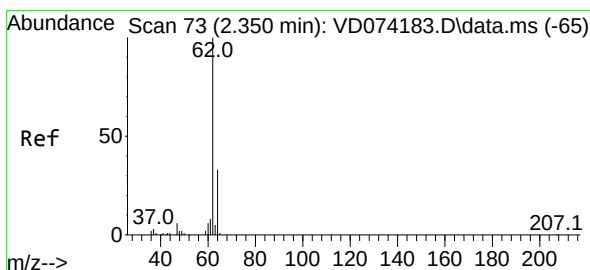
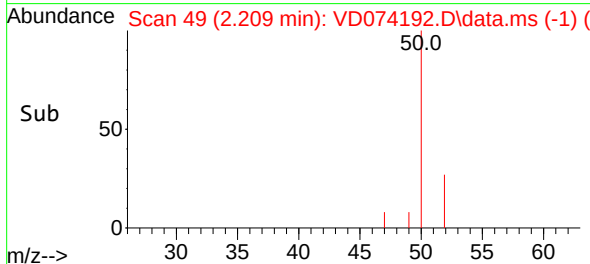
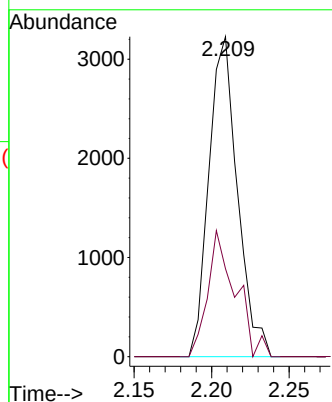
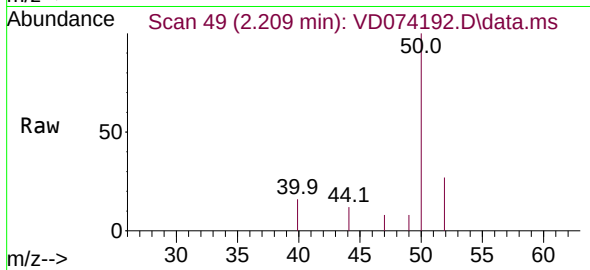




#3
Chloromethane
Concen: 4.554 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

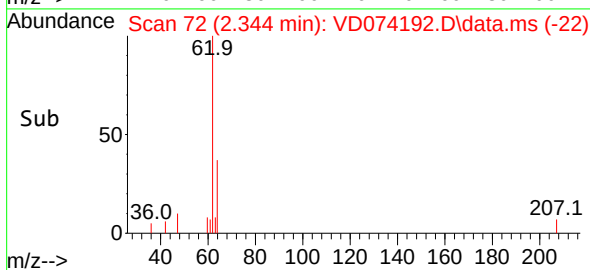
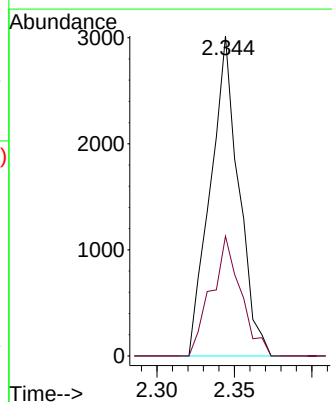
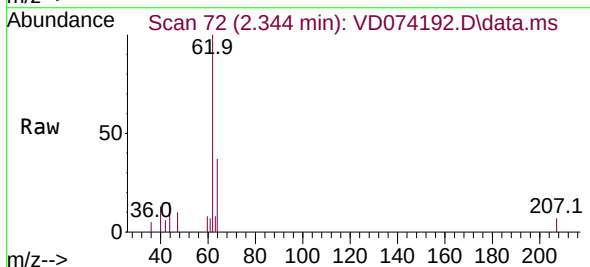
Instrument :
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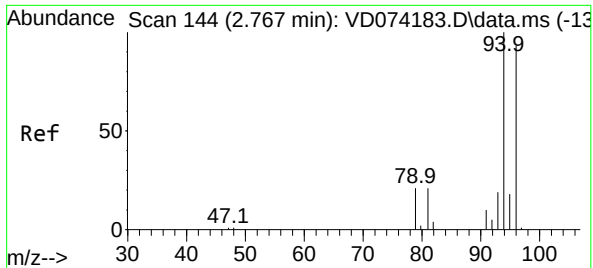
Tgt Ion: 50 Resp: 4134
Ion Ratio Lower Upper
50 100
52 27.5 27.4 41.0



#4
Vinyl Chloride
Concen: 4.026 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 62 Resp: 3837
Ion Ratio Lower Upper
62 100
64 37.4 25.4 38.0

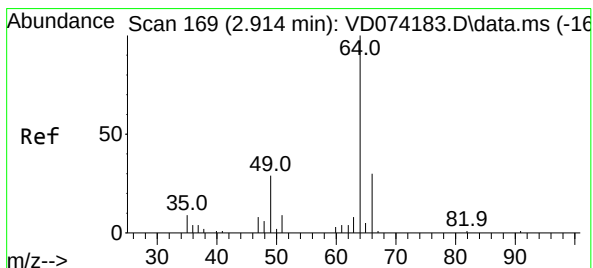
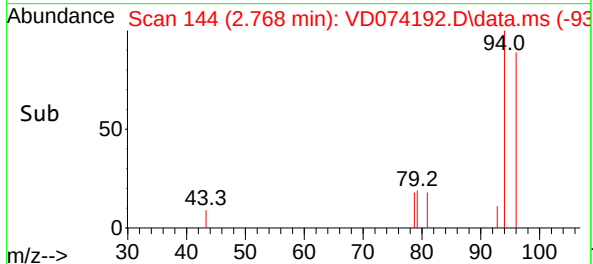
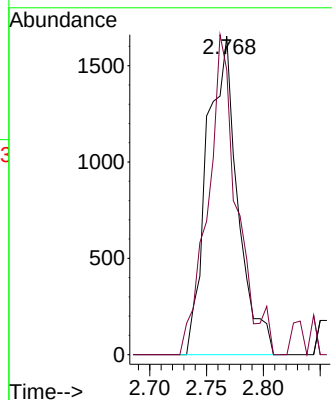
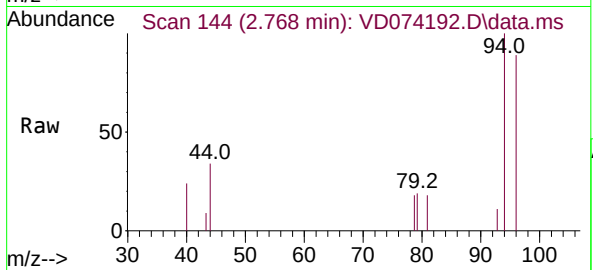




#5
Bromomethane
Concen: 5.061 ug/l
RT: 2.768 min Scan# 14
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

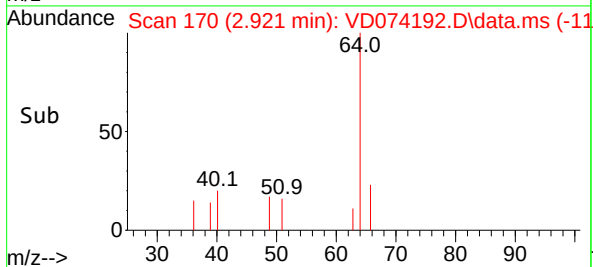
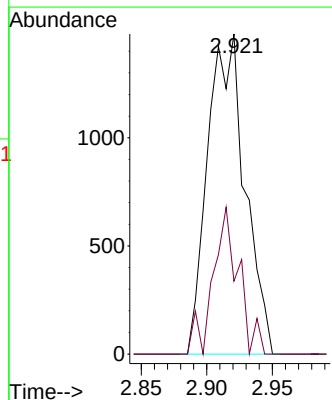
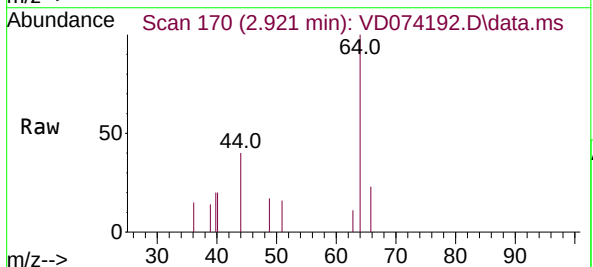
Instrument :
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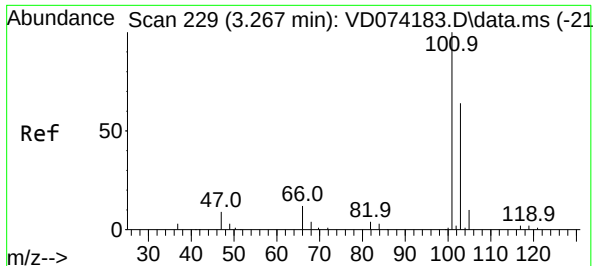
Tgt Ion: 94 Resp: 3115
Ion Ratio Lower Upper
94 100
96 89.4 77.6 116.4



#6
Chloroethane
Concen: 4.723 ug/l
RT: 2.921 min Scan# 170
Delta R.T. 0.007 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 64 Resp: 2921
Ion Ratio Lower Upper
64 100
66 22.8 25.9 38.9#

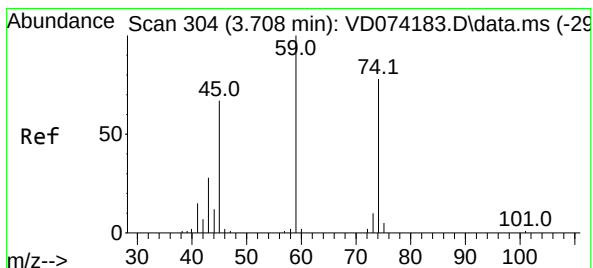
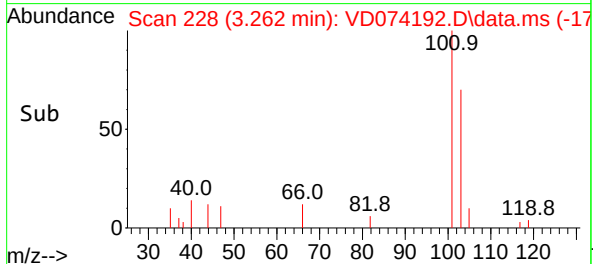
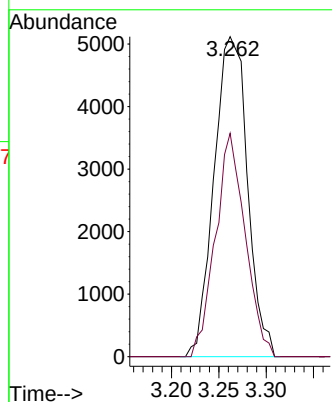
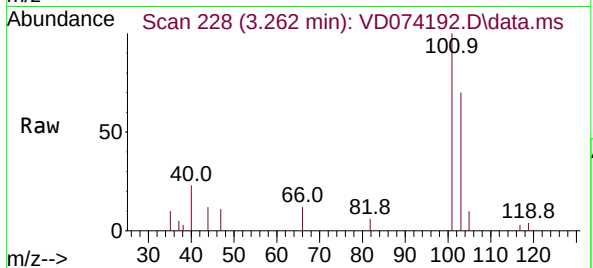




#7
Trichlorofluoromethane
Concen: 4.540 ug/l
RT: 3.262 min Scan# 21
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

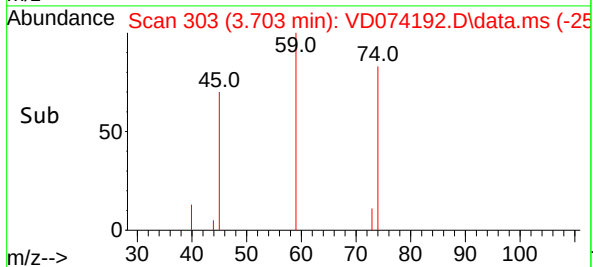
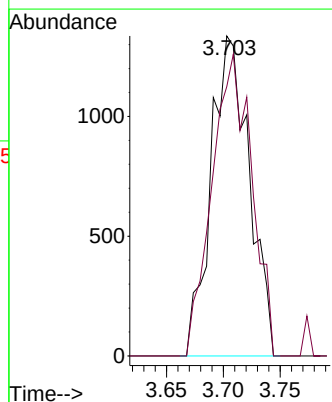
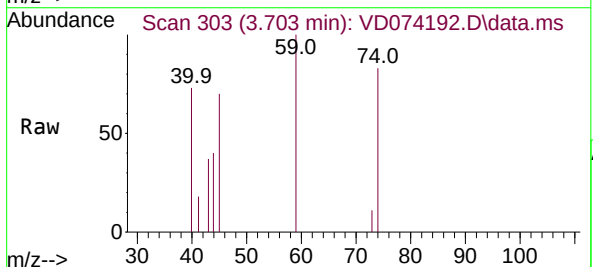
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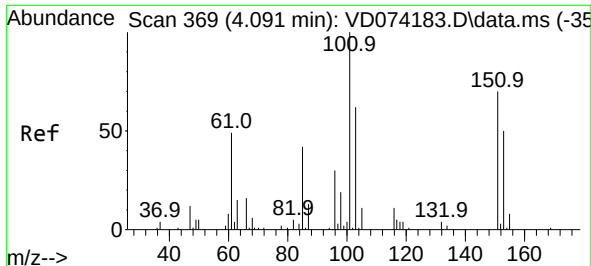
Tgt Ion:101 Resp: 12570
Ion Ratio Lower Upper
101 100
103 69.8 50.1 75.1



#8
Diethyl Ether
Concen: 4.196 ug/l
RT: 3.703 min Scan# 303
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 74 Resp: 3122
Ion Ratio Lower Upper
74 100
45 98.3 52.6 157.8

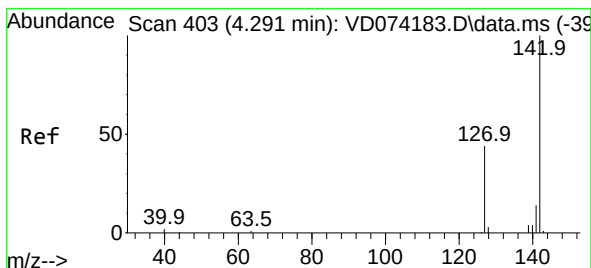
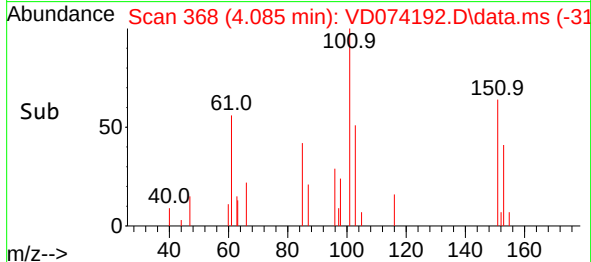
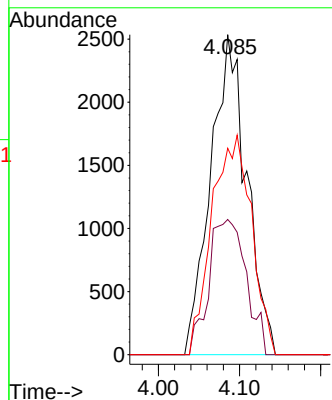
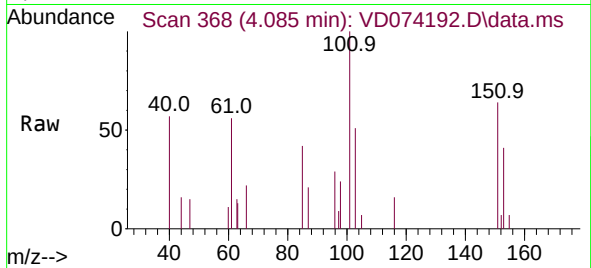




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.659 ug/l
RT: 4.085 min Scan# 30
Delta R.T. -0.006 min
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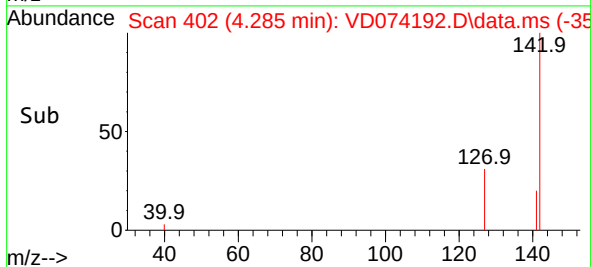
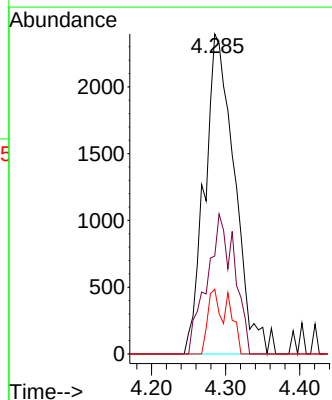
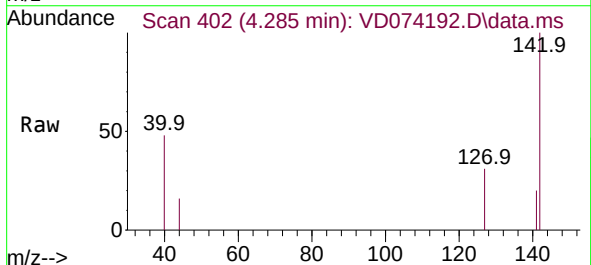
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ClientSampleId :
MDL-SOIL-03-QT3-2022

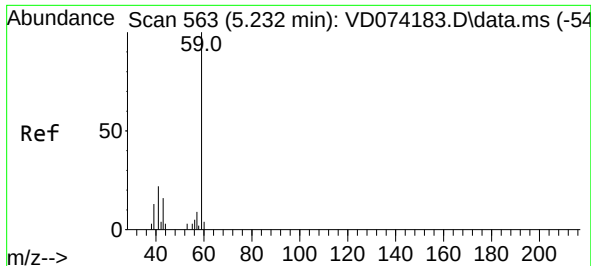
Tgt Ion:101 Resp: 7804
Ion Ratio Lower Upper
101 100
85 43.9 36.4 54.6
151 75.4 57.3 85.9



#10
Methyl Iodide
Concen: 3.664 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.006 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion:142 Resp: 6732
Ion Ratio Lower Upper
142 100
127 40.2 37.3 55.9
141 8.7 11.7 17.5#





#11

Tert butyl alcohol

Concen: 28.339 ug/l

RT: 5.226 min Scan# 5

Delta R.T. -0.006 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

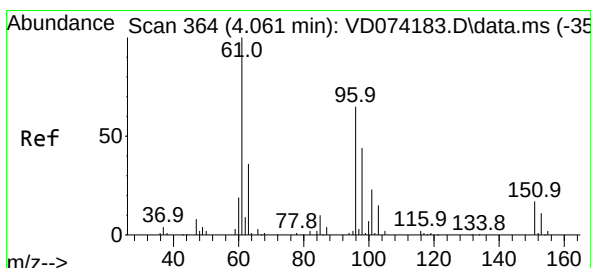
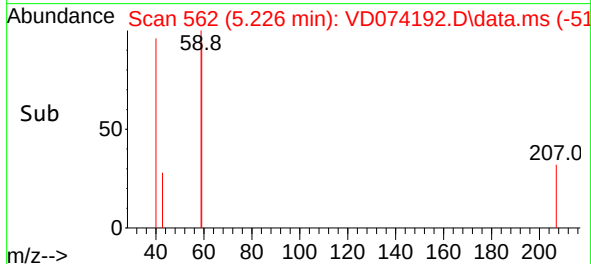
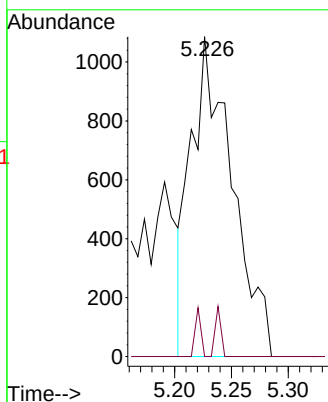
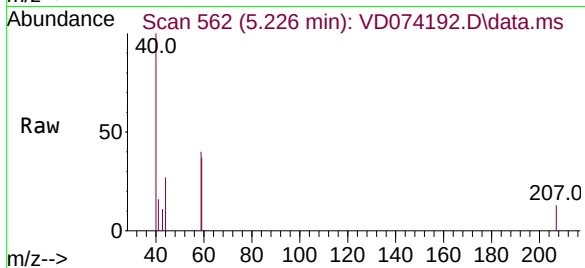
MDL-SOIL-03-QT3-2022

Tgt Ion: 59 Resp: 2738

Ion Ratio Lower Upper

59 100

57 2.2 7.8 11.6#



#12

1,1-Dichloroethene

Concen: 3.915 ug/l

RT: 4.056 min Scan# 363

Delta R.T. -0.005 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

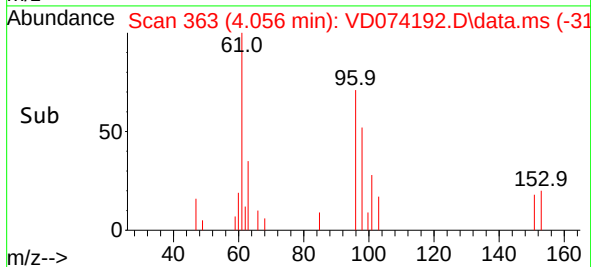
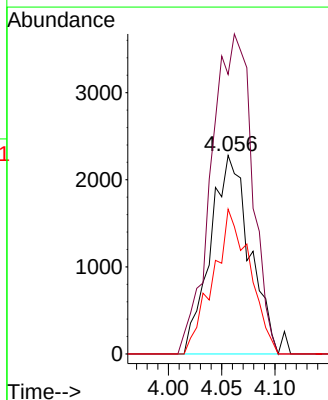
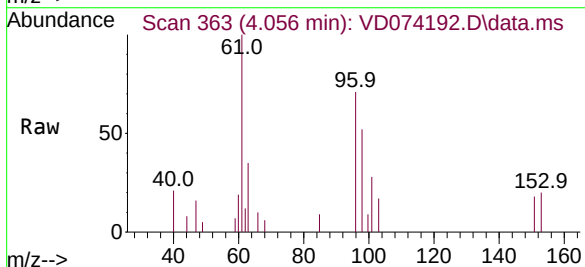
Tgt Ion: 96 Resp: 5865

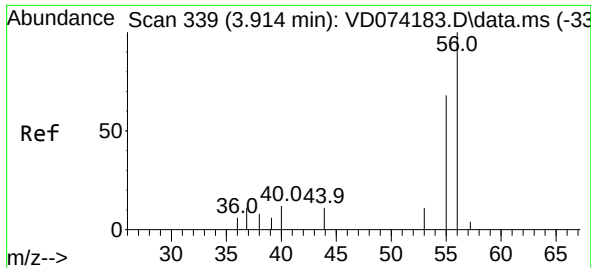
Ion Ratio Lower Upper

96 100

61 140.9 138.5 207.7

98 72.9 48.6 73.0





#13

Acrolein

Concen: 23.371 ug/l

RT: 3.932 min Scan# 34

Delta R.T. 0.018 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

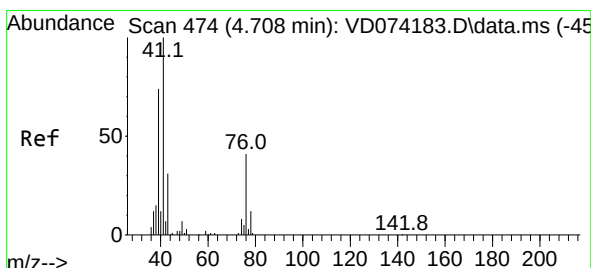
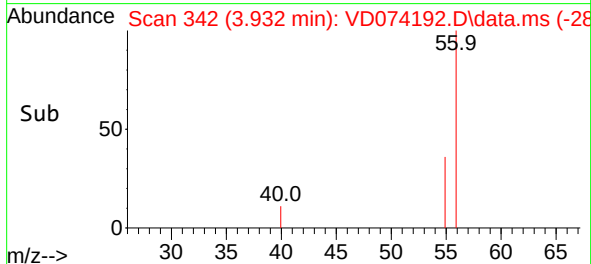
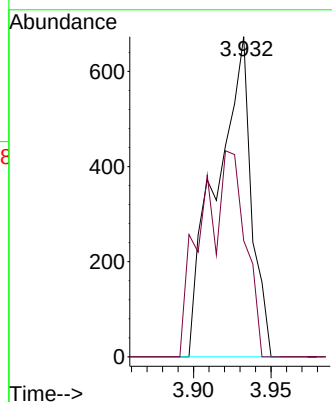
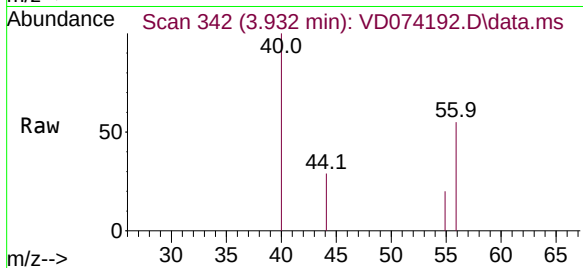
MDL-SOIL-03-QT3-2022

Tgt Ion: 56 Resp: 1060

Ion Ratio Lower Upper

56 100

55 78.9 57.1 85.7



#14

Allyl chloride

Concen: 4.464 ug/l

RT: 4.703 min Scan# 473

Delta R.T. -0.005 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

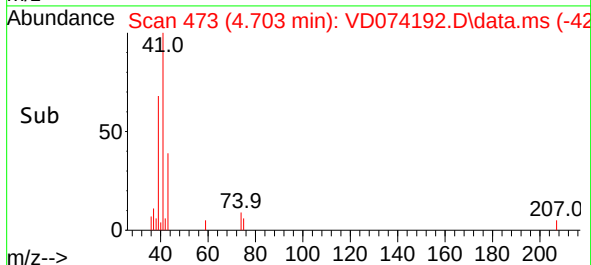
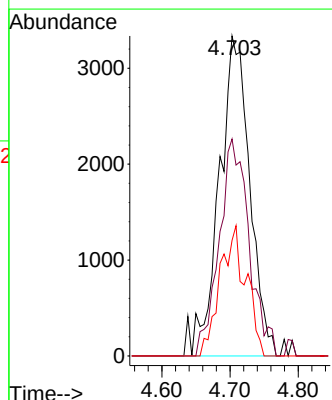
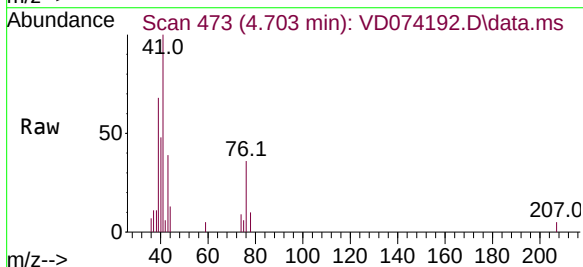
Tgt Ion: 41 Resp: 10471

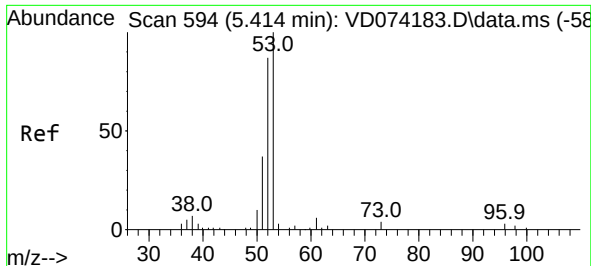
Ion Ratio Lower Upper

41 100

39 66.1 59.3 88.9

76 34.6 25.7 38.5

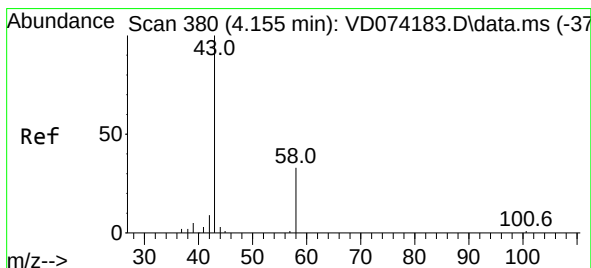
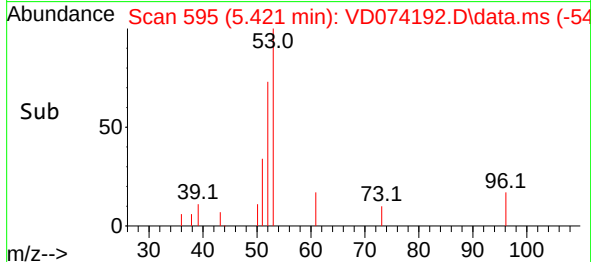
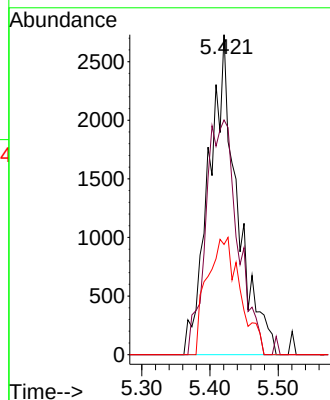
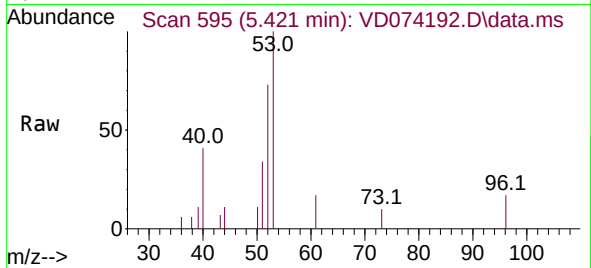




#15
Acrylonitrile
Concen: 22.956 ug/l
RT: 5.421 min Scan# 594
Delta R.T. 0.007 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

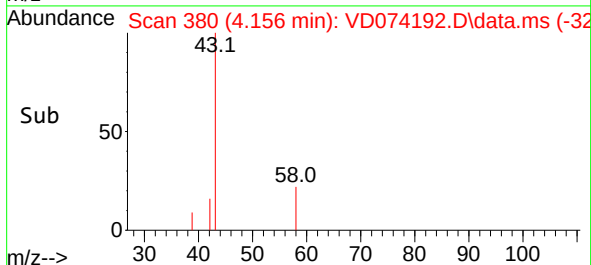
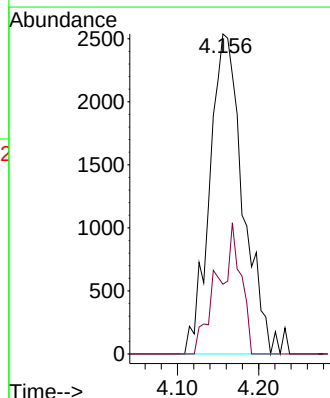
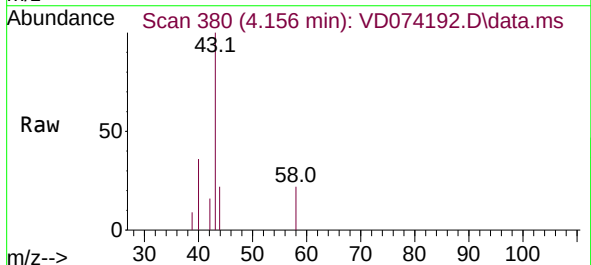
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

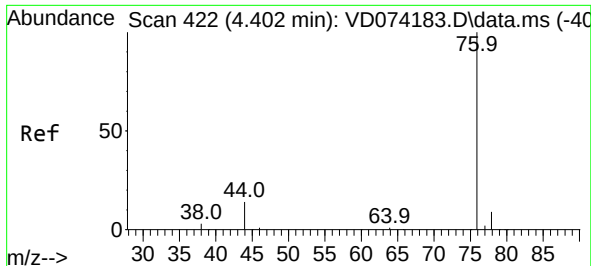
Tgt Ion:	53	Resp:	7941
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.2	100.8
51	42.6	30.3	45.5



#16
Acetone
Concen: 24.486 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion:	43	Resp:	7238
Ion	Ratio	Lower	Upper
43	100		
58	21.8	22.1	33.1#

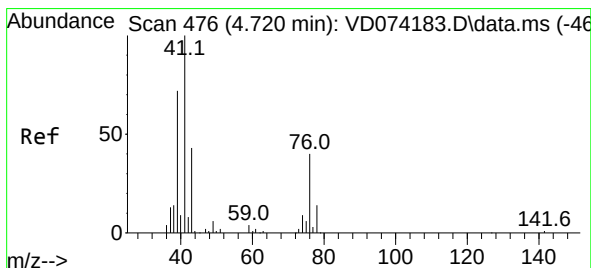
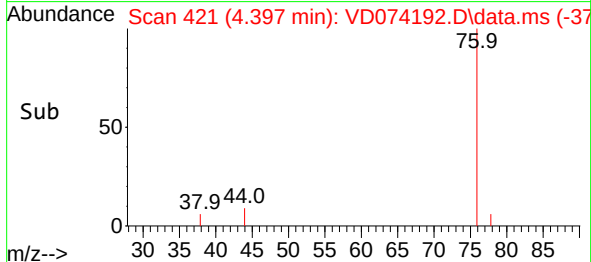
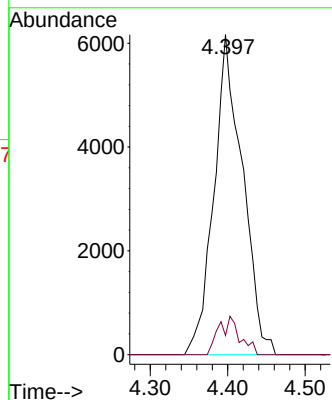
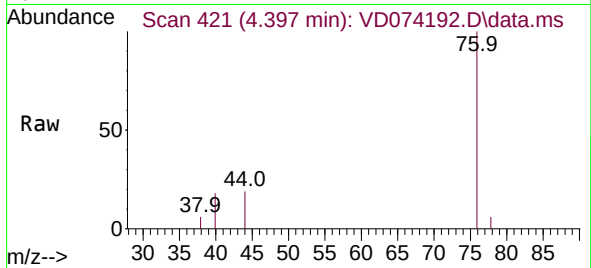




#17
Carbon Disulfide
Concen: 3.609 ug/l
RT: 4.397 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

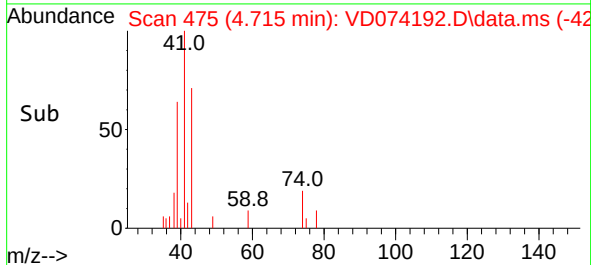
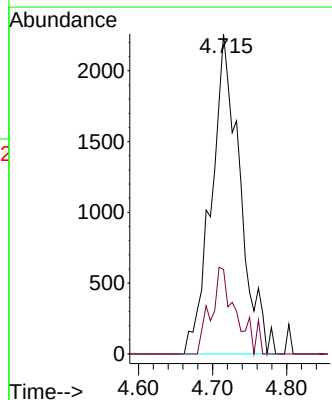
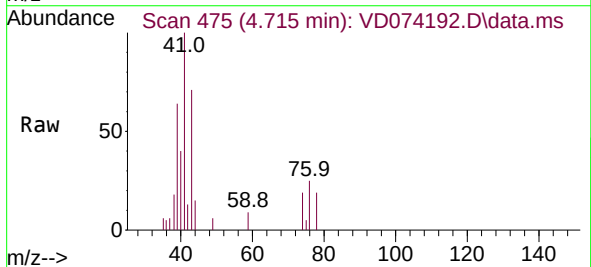
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

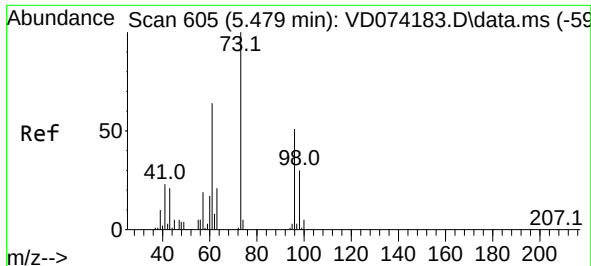
Tgt Ion: 76 Resp: 15829
Ion Ratio Lower Upper
76 100
78 6.0 7.5 11.3#



#18
Methyl Acetate
Concen: 6.468 ug/l
RT: 4.715 min Scan# 475
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 43 Resp: 6027
Ion Ratio Lower Upper
43 100
74 23.8 16.7 25.1

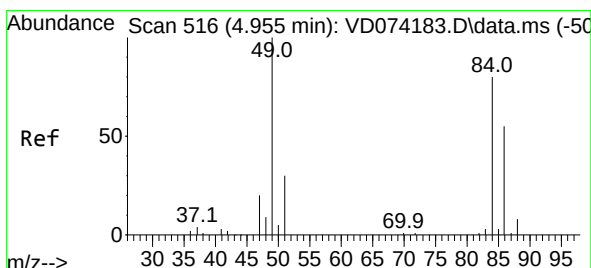
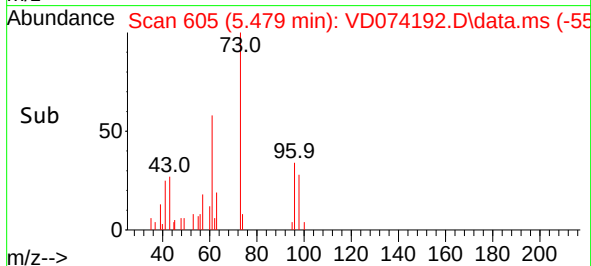
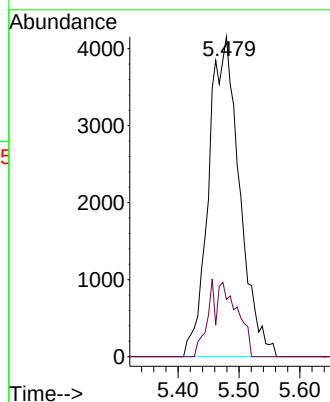
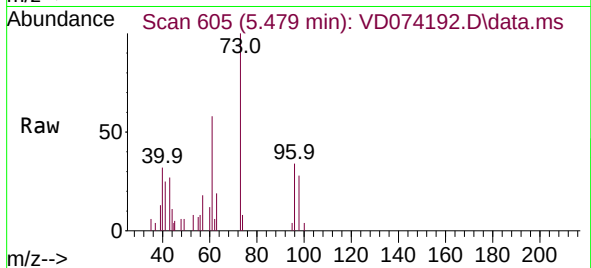




#19
Methyl tert-butyl Ether
Concen: 4.086 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.000 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

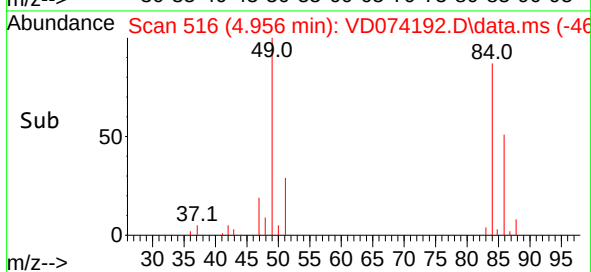
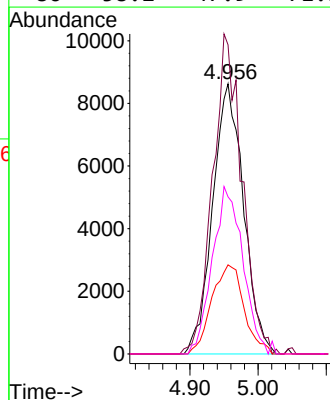
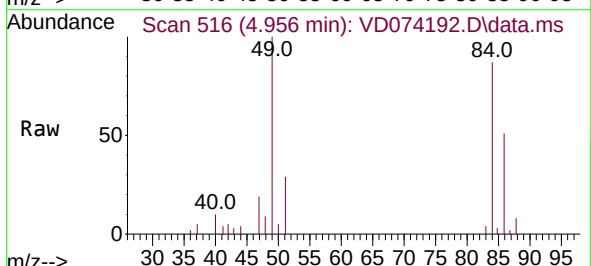
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

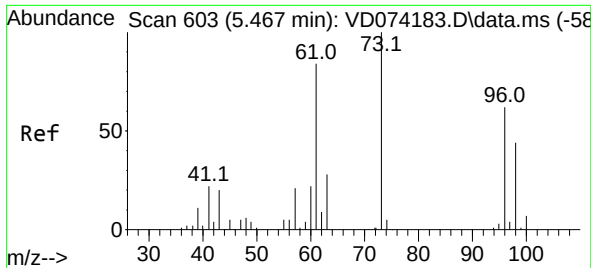
Tgt Ion: 73 Resp: 14658
Ion Ratio Lower Upper
73 100
57 17.9 18.0 27.0#



#20
Methylene Chloride
Concen: 11.737 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 84 Resp: 27174
Ion Ratio Lower Upper
84 100
49 114.5 112.8 169.2
51 33.0 32.6 48.8
86 58.2 47.9 71.9

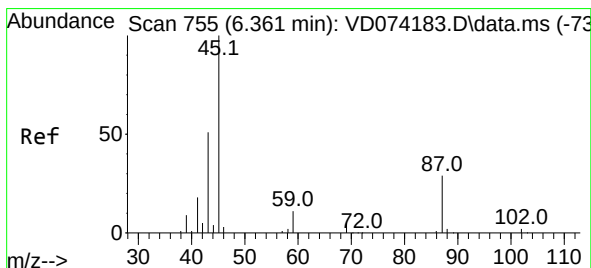
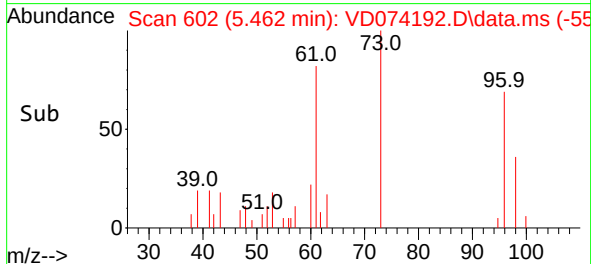
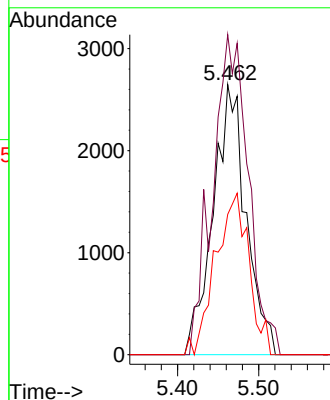
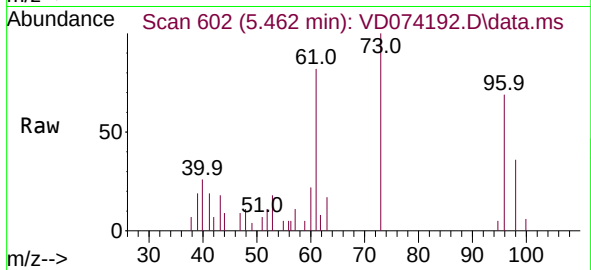




#21
trans-1,2-Dichloroethene
Concen: 4.271 ug/l
RT: 5.462 min Scan# 603
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

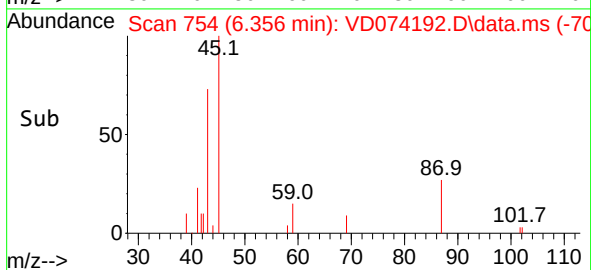
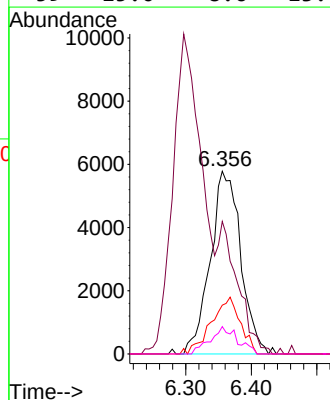
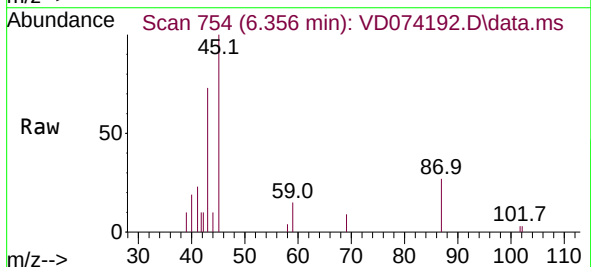
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

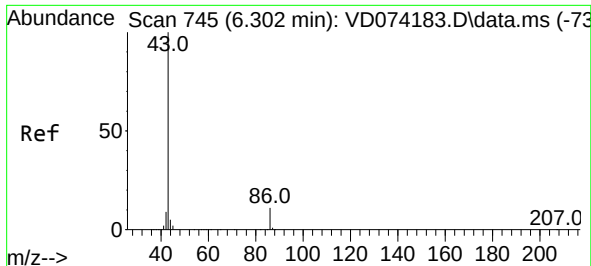
Tgt Ion:	96	Resp:	7482
Ion	Ratio	Lower	Upper
96	100		
61	118.5	117.9	176.9
98	51.9	49.4	74.2



#22
Diisopropyl ether
Concen: 3.882 ug/l
RT: 6.356 min Scan# 754
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion:	45	Resp:	18674
Ion	Ratio	Lower	Upper
45	100		
43	69.5	46.6	70.0
87	26.7	18.4	27.6
59	15.0	8.6	13.0

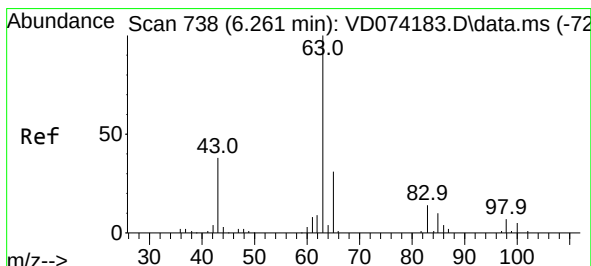
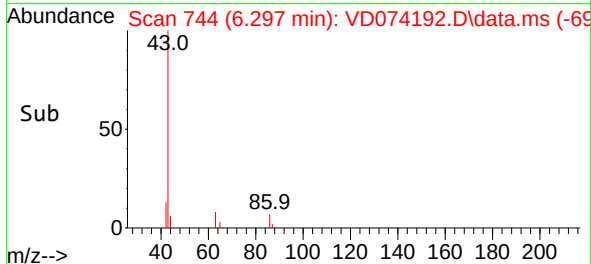
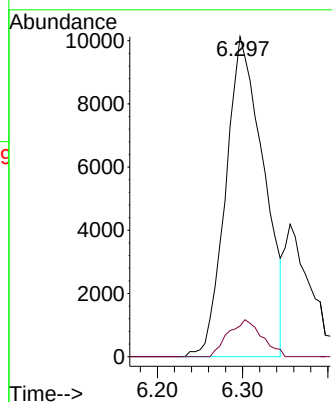
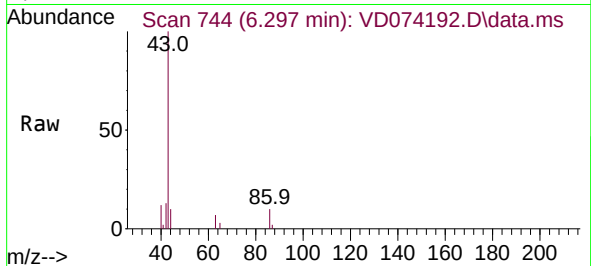




#23
 Vinyl Acetate
 Concen: 12.756 ug/l
 RT: 6.297 min Scan# 744
 Delta R.T. -0.005 min
 Lab File: VD074192.D
 Acq: 23 Aug 2022 18:45

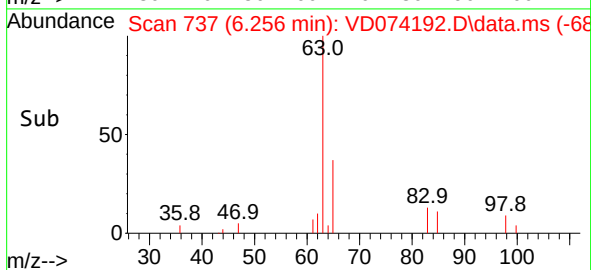
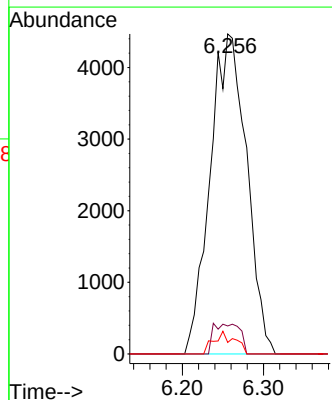
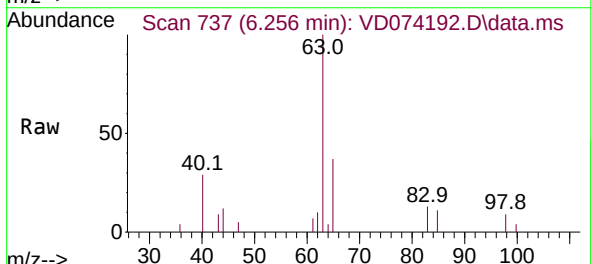
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

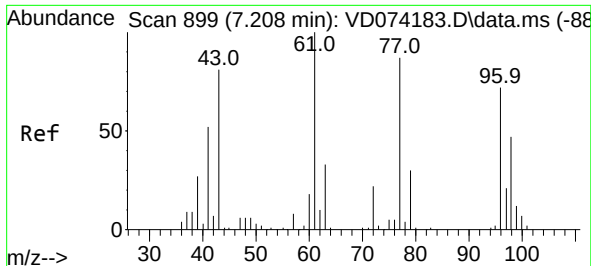
Tgt Ion: 43 Resp: 31362
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 4.403 ug/l
 RT: 6.256 min Scan# 737
 Delta R.T. -0.005 min
 Lab File: VD074192.D
 Acq: 23 Aug 2022 18:45

Tgt Ion: 63 Resp: 13962
 Ion Ratio Lower Upper
 63 100
 98 8.7 3.6 10.9
 100 3.6 2.1 6.5

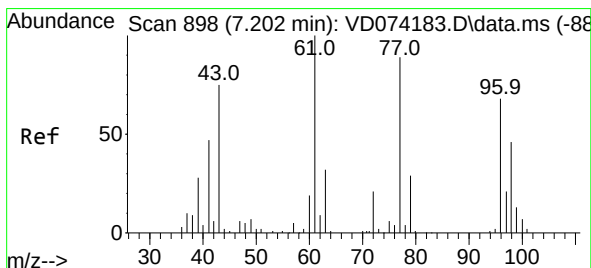
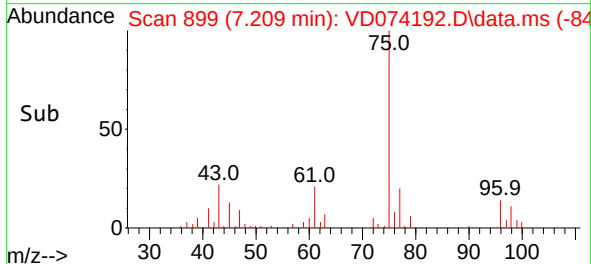
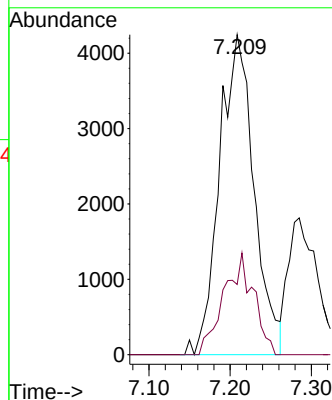
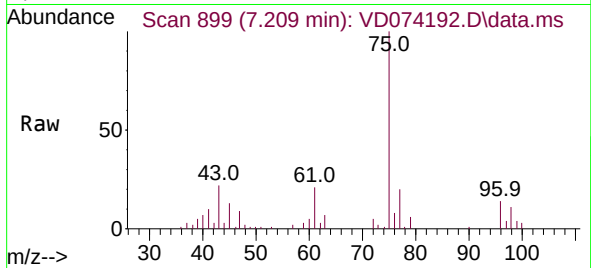




#25
2-Butanone
Concen: 27.388 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

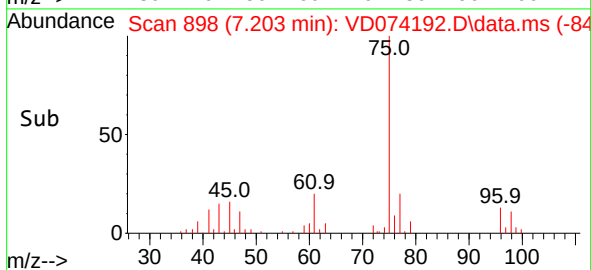
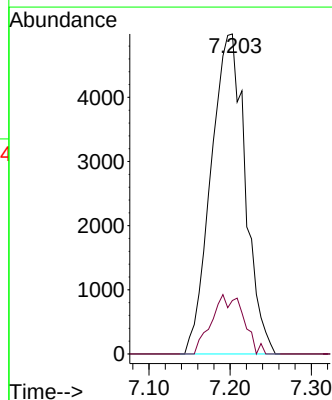
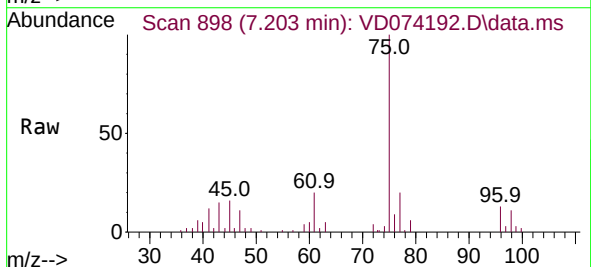
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

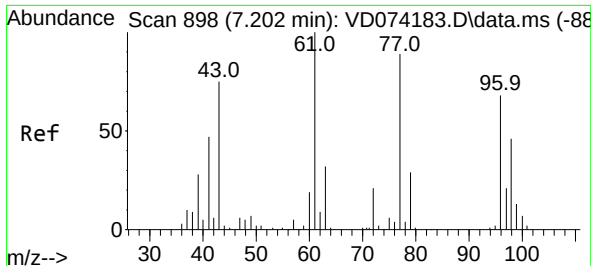
Tgt Ion: 43 Resp: 12533
Ion Ratio Lower Upper
43 100
72 22.0 18.6 27.8



#26
2,2-Dichloropropane
Concen: 5.121 ug/l
RT: 7.203 min Scan# 898
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 77 Resp: 14632
Ion Ratio Lower Upper
77 100
97 17.2 10.8 32.4

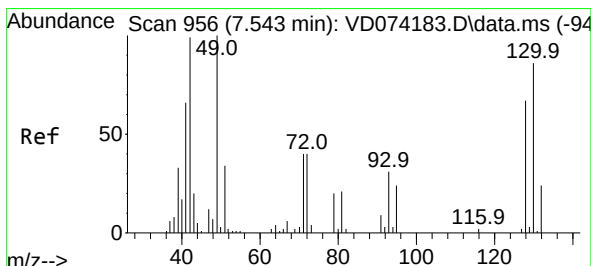
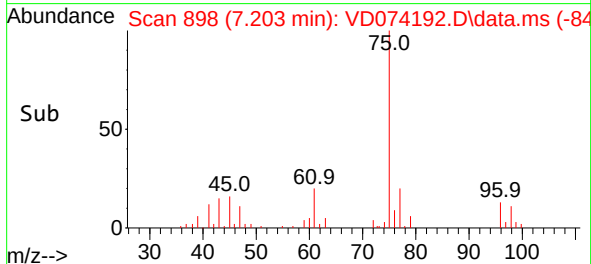
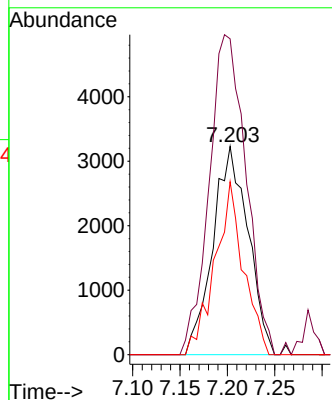
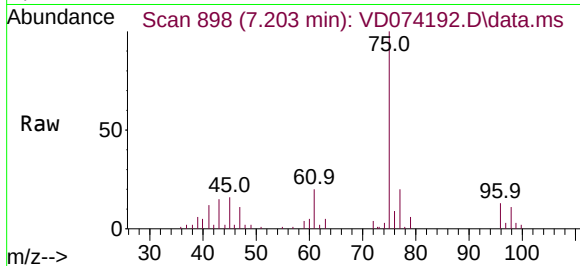




#27
cis-1,2-Dichloroethene
Concen: 4.239 ug/l
RT: 7.203 min Scan# 898
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

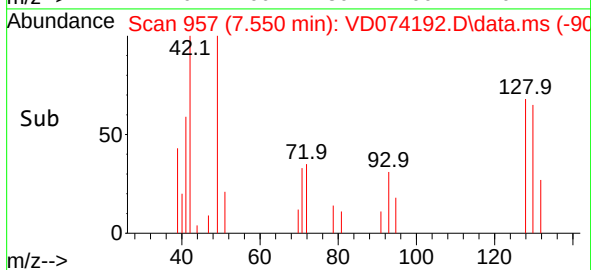
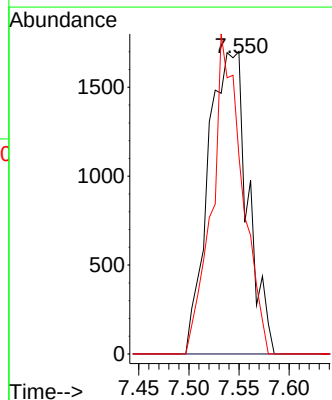
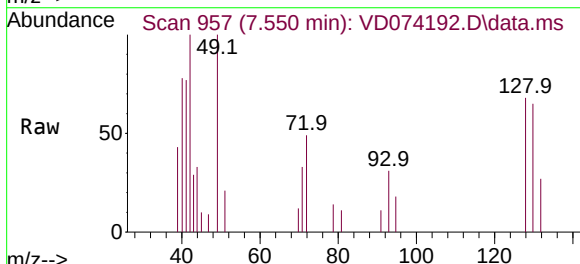
Instrument :
MSVOA_D
ClientSampleId :
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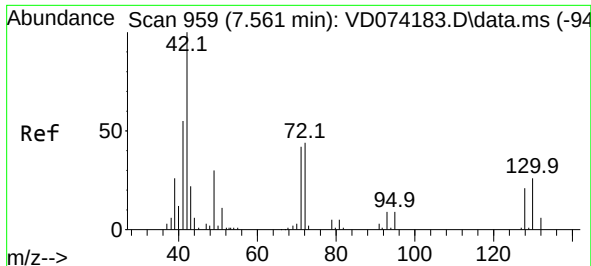
Tgt Ion: 96 Resp: 8344
Ion Ratio Lower Upper
96 100
61 160.9 0.0 313.8
98 67.5 0.0 128.8



#28
Bromochloromethane
Concen: 4.854 ug/l
RT: 7.550 min Scan# 957
Delta R.T. 0.007 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 49 Resp: 4653
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 81.0 52.6 79.0#





#29

Tetrahydrofuran

Concen: 20.629 ug/l

RT: 7.562 min Scan# 91

Delta R.T. 0.001 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

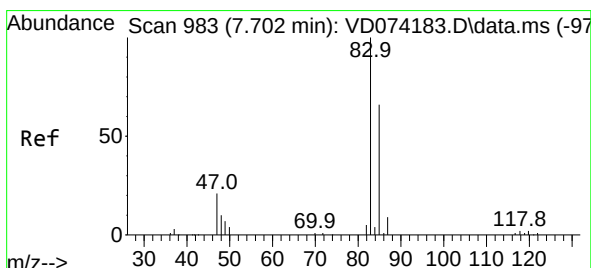
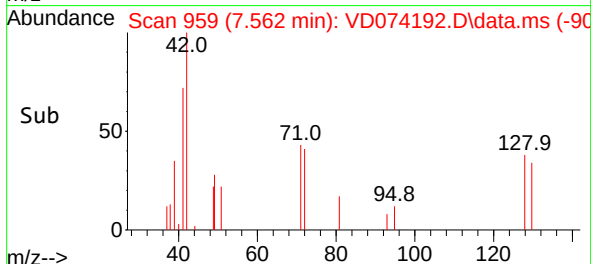
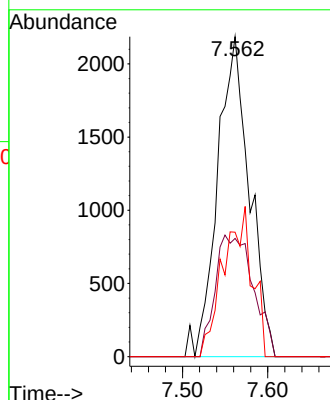
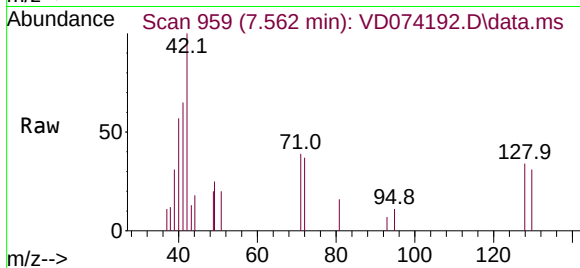
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:	42	Resp:	5697
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	42.2	28.6	43.0



#30

Chloroform

Concen: 4.492 ug/l

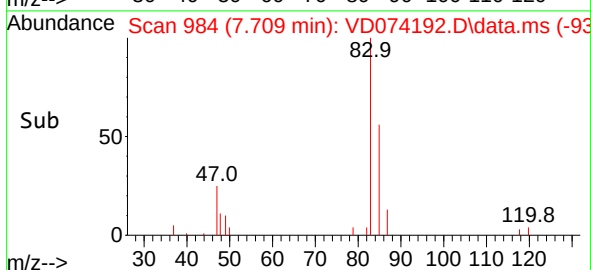
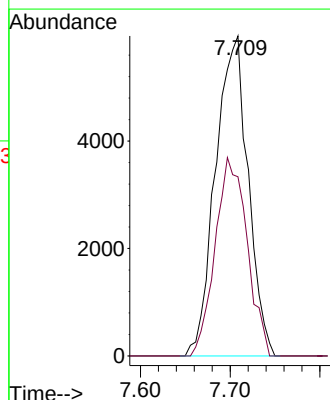
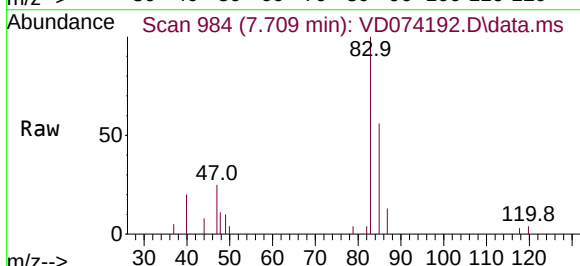
RT: 7.709 min Scan# 984

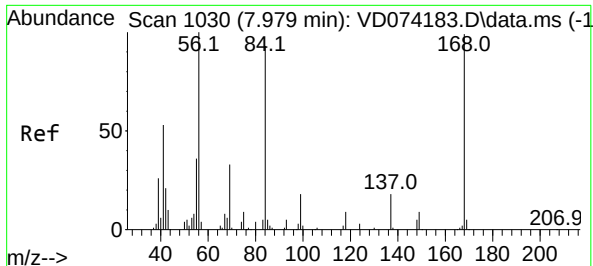
Delta R.T. 0.007 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Tgt Ion:	83	Resp:	15020
Ion	Ratio	Lower	Upper
83	100		
85	56.0	52.7	79.1





#31

Cyclohexane

Concen: 4.777 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD074192.D

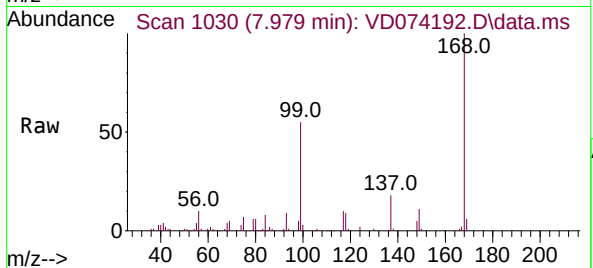
Acq: 23 Aug 2022 18:45

Instrument :

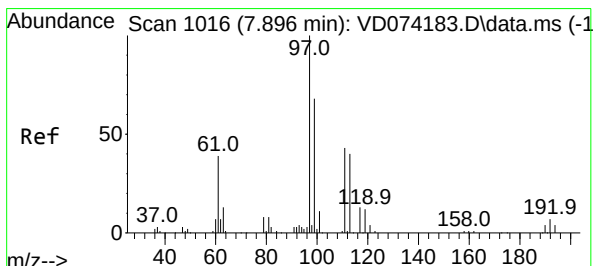
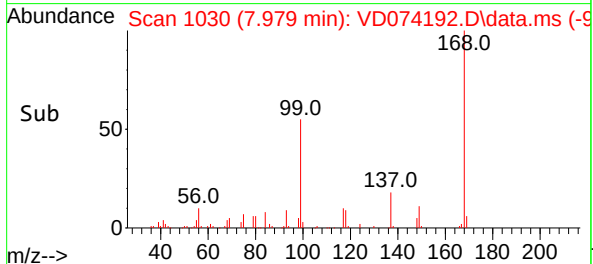
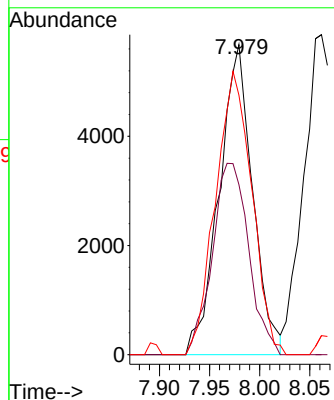
MSVOA_D

ClientSampleId :

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Tgt Ion:	56	Resp:	13191
Ion Ratio	Lower	Upper	
56	100		
69	54.9	25.4	38.2#
84	83.7	63.0	94.4



#32

1,1,1-Trichloroethane

Concen: 4.193 ug/l

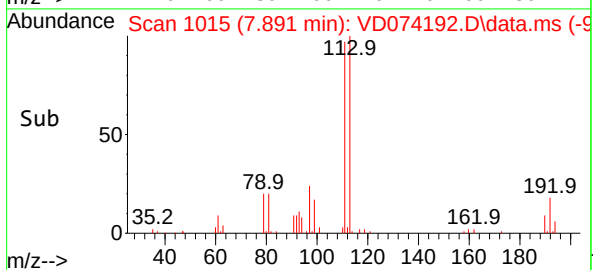
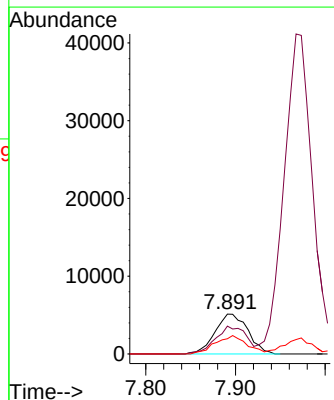
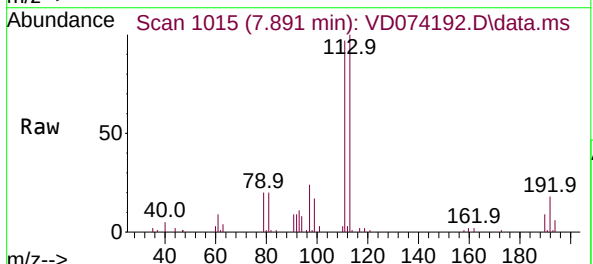
RT: 7.891 min Scan# 1015

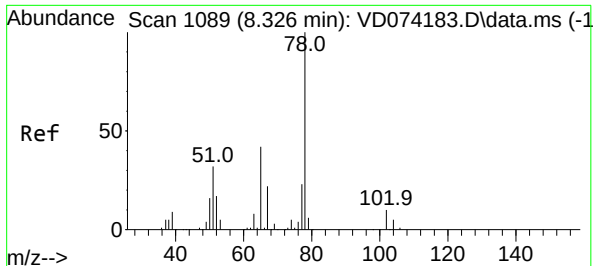
Delta R.T. -0.005 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Tgt Ion:	97	Resp:	12991
Ion Ratio	Lower	Upper	
97	100		
99	65.1	52.4	78.6
61	44.0	38.0	57.0





#33

1,2-Dichloroethane-d4

Concen: 46.521 ug/l

RT: 8.320 min Scan# 1107

Delta R.T. -0.006 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

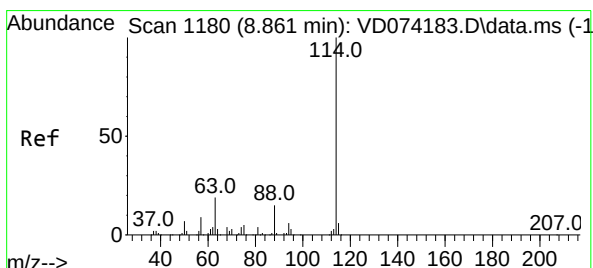
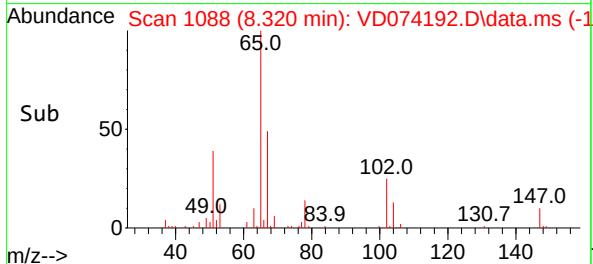
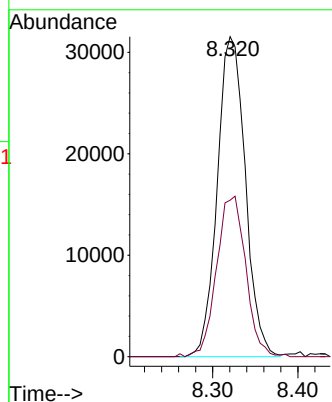
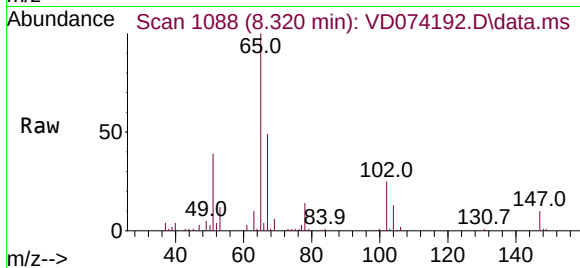
MDL-SOIL-03-QT3-2022

Tgt Ion: 65 Resp: 72179

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.005 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

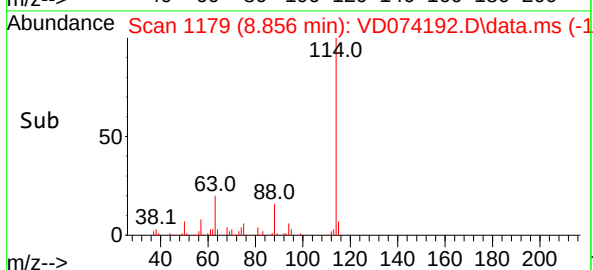
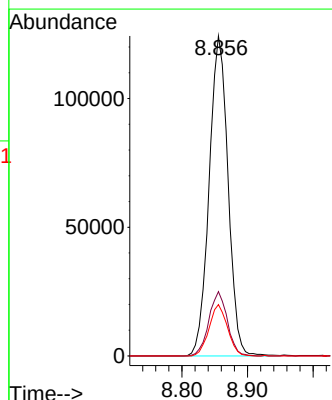
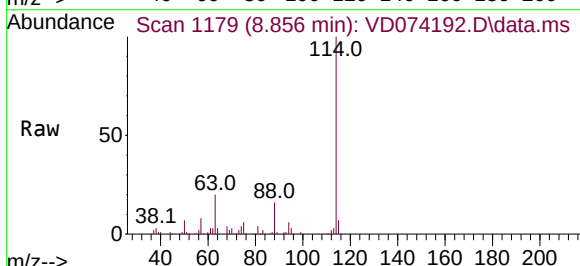
Tgt Ion: 114 Resp: 248859

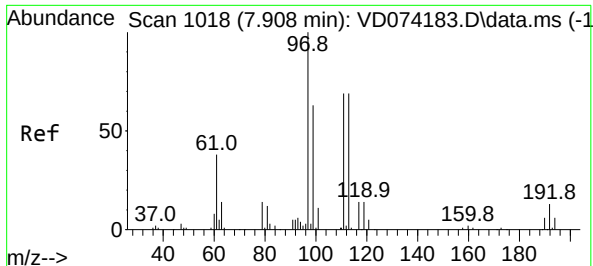
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.408 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.001 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

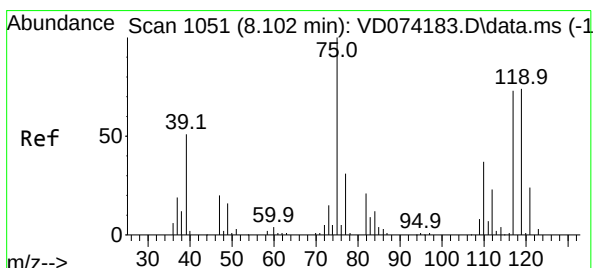
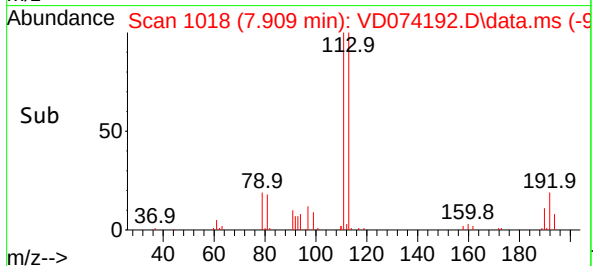
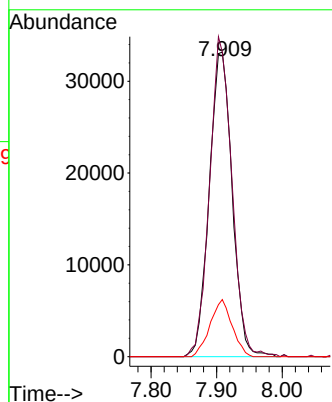
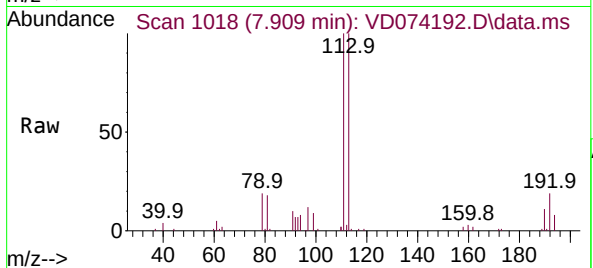
Tgt Ion:113 Resp: 80579

Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 18.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.171 ug/l

RT: 8.103 min Scan# 1051

Delta R.T. 0.001 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

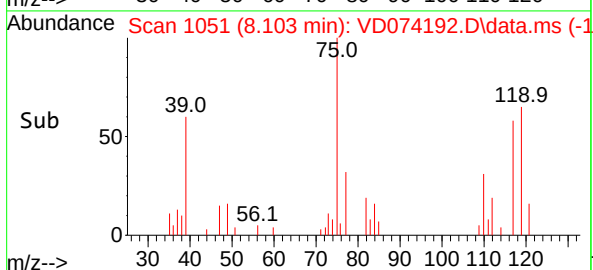
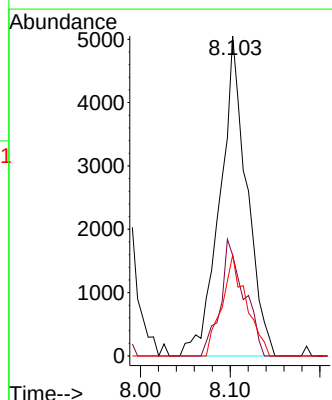
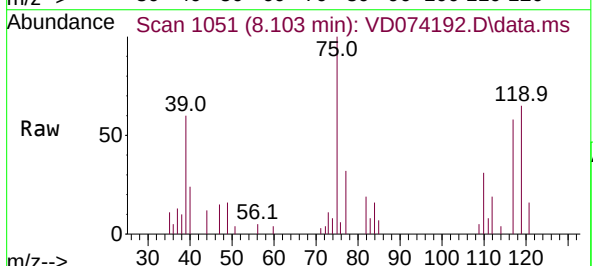
Tgt Ion: 75 Resp: 10494

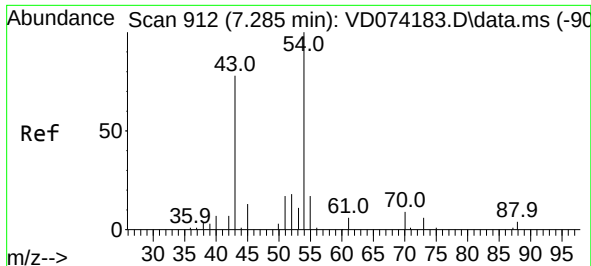
Ion Ratio Lower Upper

75 100

110 32.0 16.4 49.1

77 28.7 24.2 36.2





#37

Ethyl Acetate

Concen: 4.857 ug/l

RT: 7.285 min Scan# 912

Delta R.T. 0.000 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

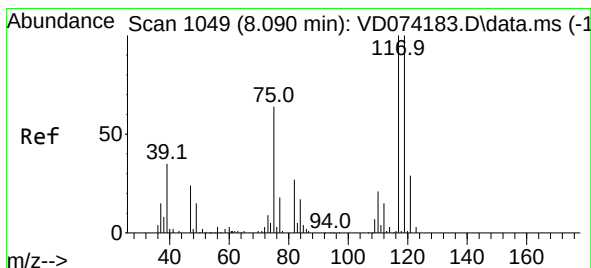
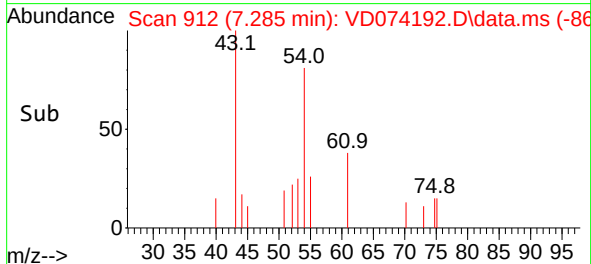
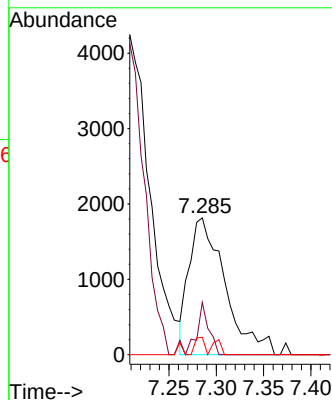
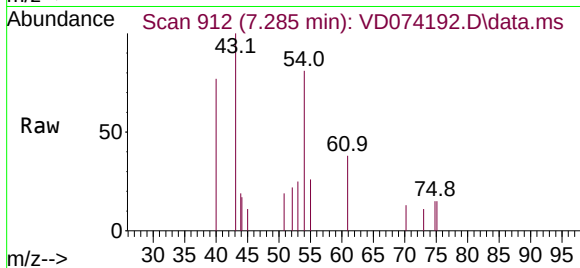
Tgt Ion: 43 Resp: 4818

Ion Ratio Lower Upper

43 100

61 13.7 9.8 14.8

70 3.3 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 3.903 ug/l

RT: 8.091 min Scan# 1049

Delta R.T. 0.001 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

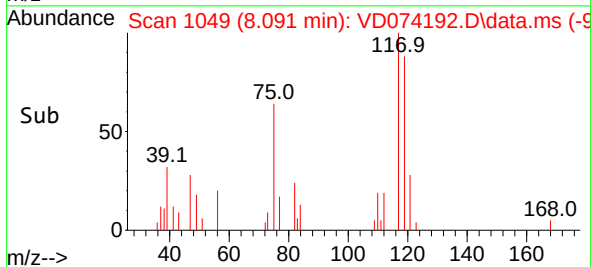
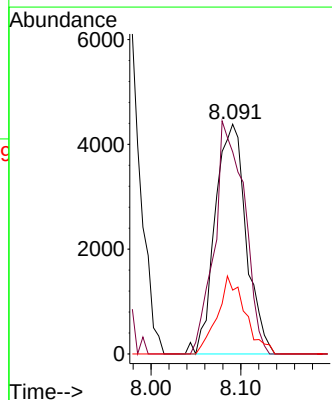
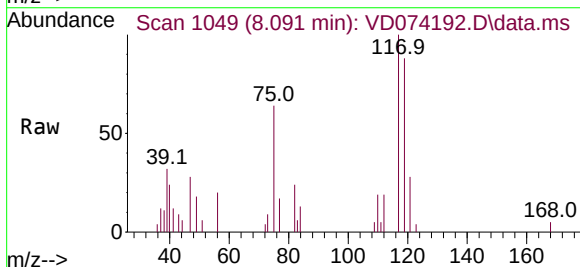
Tgt Ion: 117 Resp: 10548

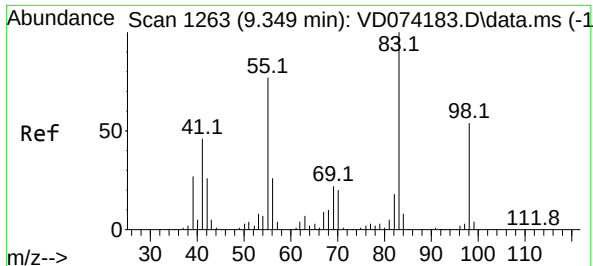
Ion Ratio Lower Upper

117 100

119 88.0 75.8 113.6

121 27.8 24.5 36.7





#39

Methylcyclohexane

Concen: 3.680 ug/l

RT: 9.350 min Scan# 1

Delta R.T. 0.001 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

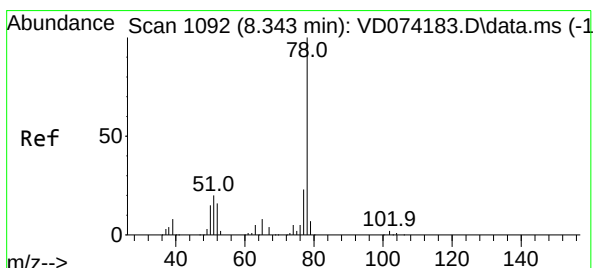
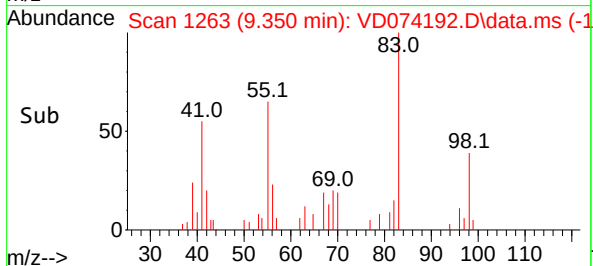
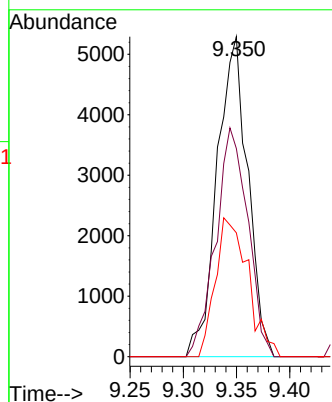
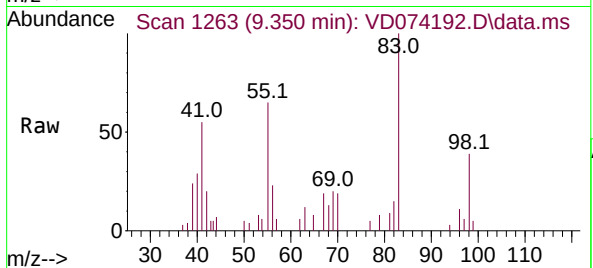
Tgt Ion: 83 Resp: 10565

Ion Ratio Lower Upper

83 100

55 65.0 63.2 94.8

98 38.7 38.2 57.4



#40

Benzene

Concen: 4.095 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. 0.001 min

Lab File: VD074192.D

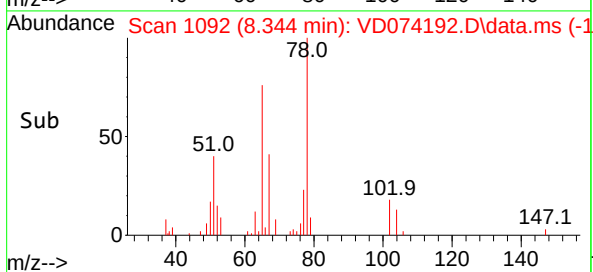
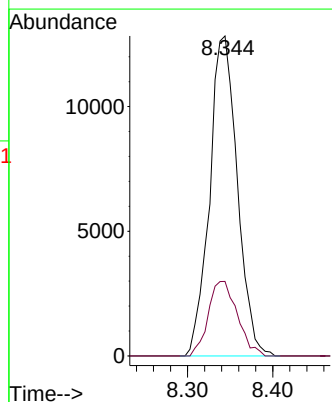
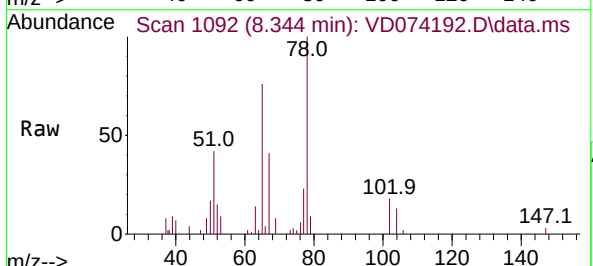
Acq: 23 Aug 2022 18:45

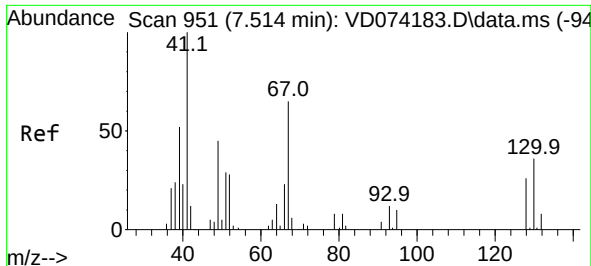
Tgt Ion: 78 Resp: 29042

Ion Ratio Lower Upper

78 100

77 23.3 19.1 28.7

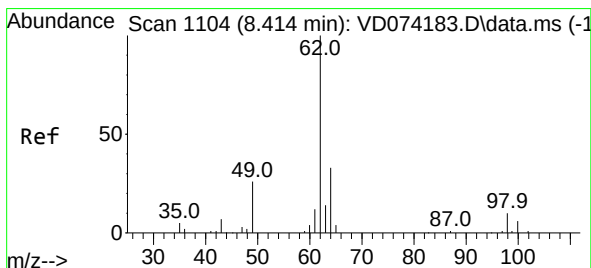
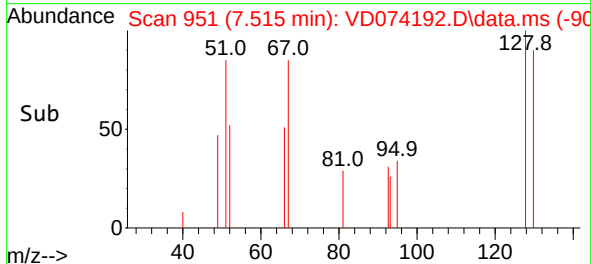
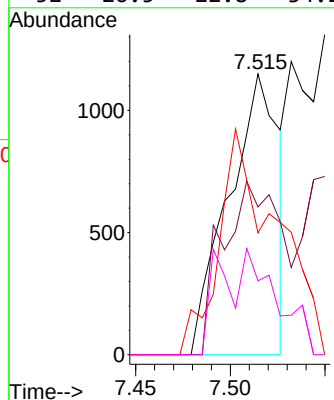
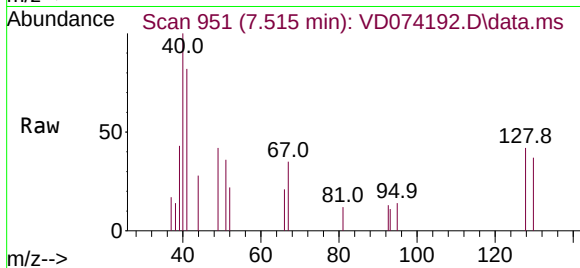




#41
Methacrylonitrile
Concen: 3.539 ug/l
RT: 7.515 min Scan# 91
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

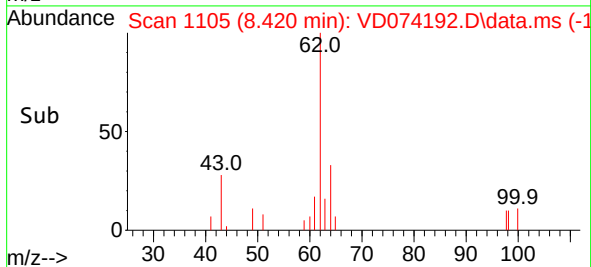
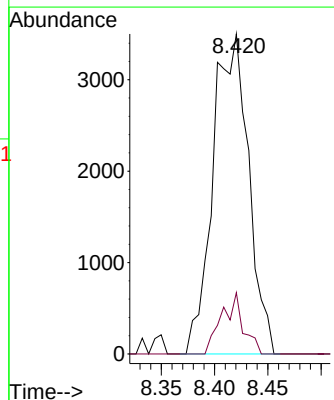
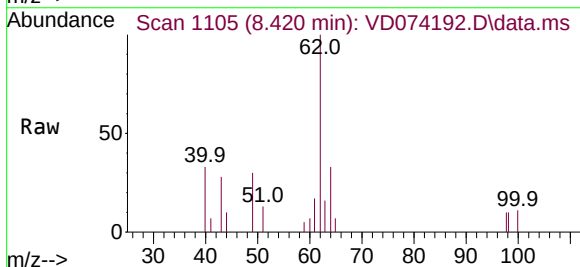
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

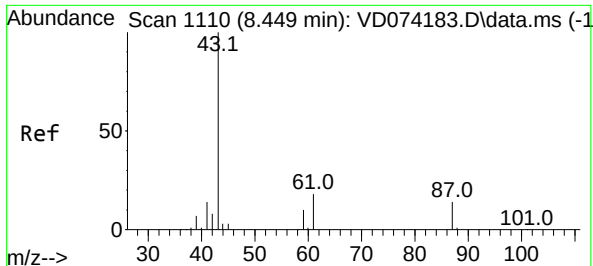
Tgt Ion:	41	Resp:	2110
Ion	Ratio	Lower	Upper
41	100		
39	72.6	44.6	67.0#
67	92.7	48.2	72.4#
52	26.5	22.8	34.2



#42
1,2-Dichloroethane
Concen: 3.888 ug/l
RT: 8.420 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion:	62	Resp:	8128
Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	17.6

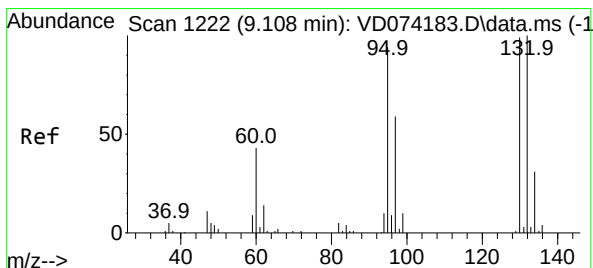
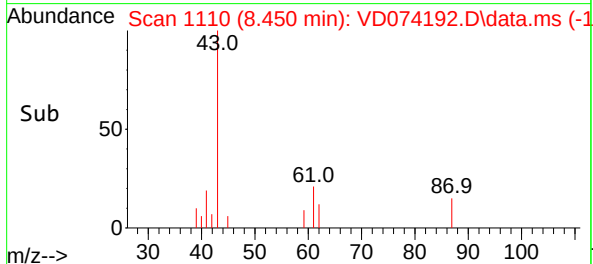
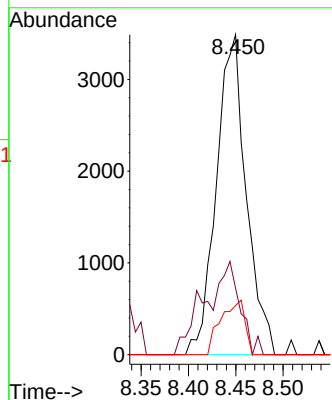
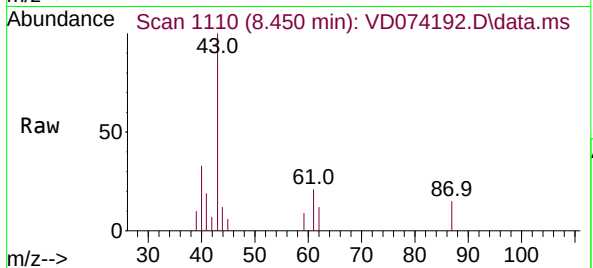




#43
Isopropyl Acetate
Concen: 3.838 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

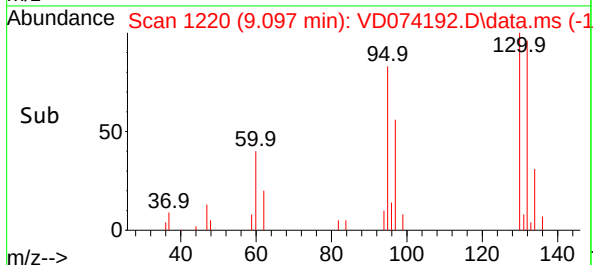
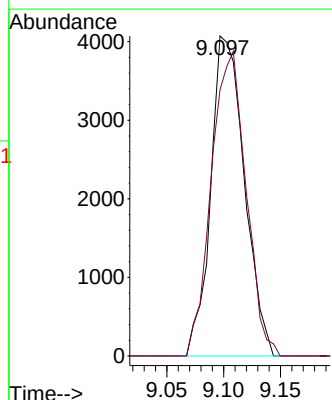
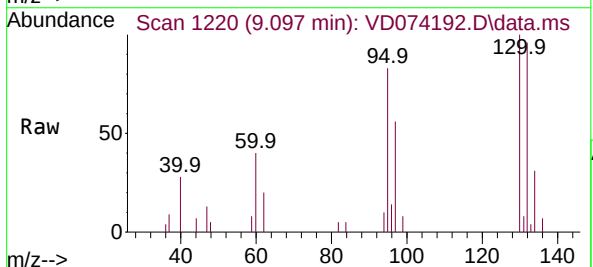
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

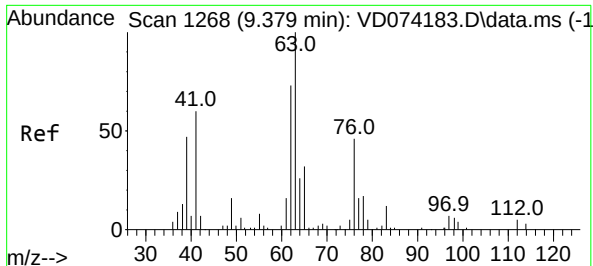
Tgt Ion: 43 Resp: 7658
Ion Ratio Lower Upper
43 100
61 20.3 22.4 33.6#
87 13.7 8.7 13.1#



#44
Trichloroethene
Concen: 4.067 ug/l
RT: 9.097 min Scan# 1220
Delta R.T. -0.011 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 130 Resp: 8362
Ion Ratio Lower Upper
130 100
95 83.3 0.0 205.4





#45

1,2-Dichloropropane

Concen: 4.546 ug/l

RT: 9.379 min Scan# 1268

Delta R.T. 0.000 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

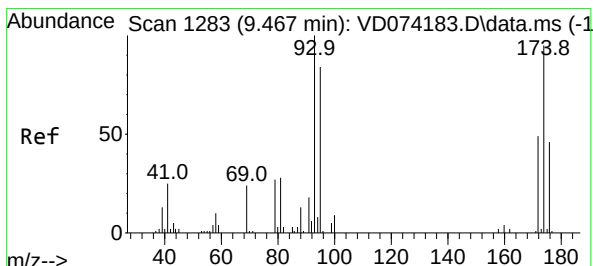
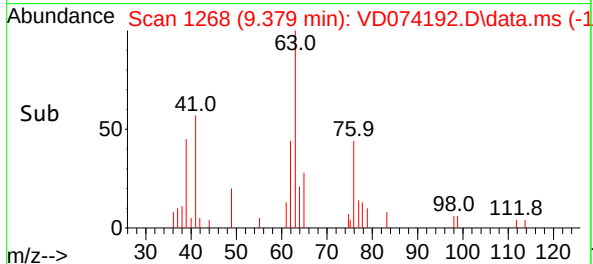
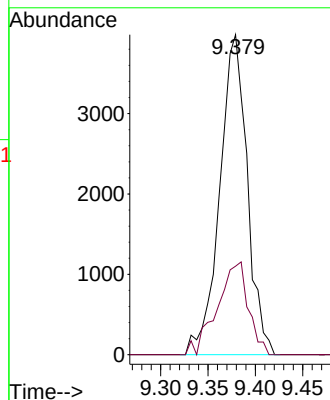
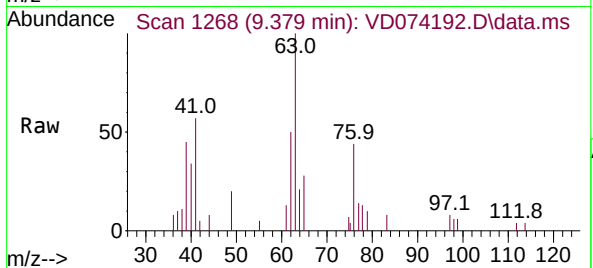
MDL-SOIL-03-QT3-2022

Tgt Ion: 63 Resp: 8048

Ion Ratio Lower Upper

63 100

65 27.7 26.2 39.4



#46

Dibromomethane

Concen: 4.287 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. 0.000 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

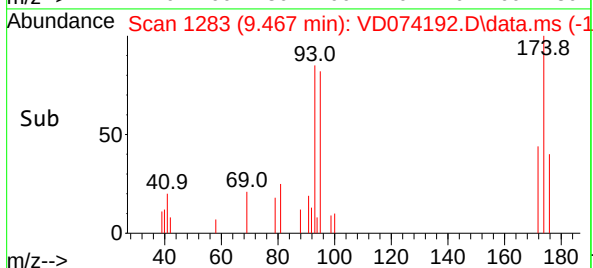
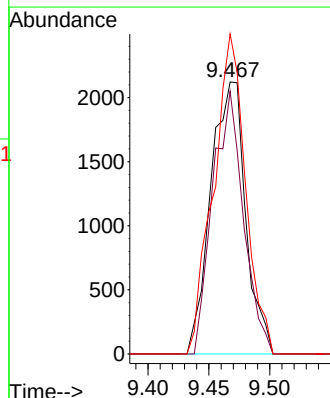
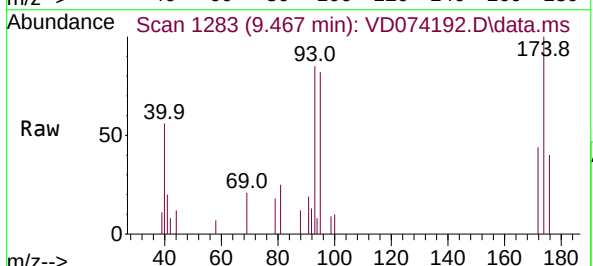
Tgt Ion: 93 Resp: 4234

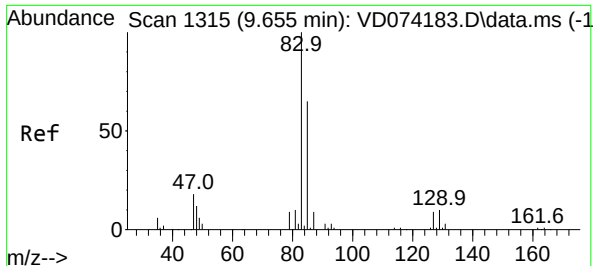
Ion Ratio Lower Upper

93 100

95 85.2 66.7 100.1

174 108.2 71.6 107.4#





#47

Bromodichloromethane

Concen: 4.131 ug/l

RT: 9.650 min Scan# 1

Delta R.T. -0.005 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

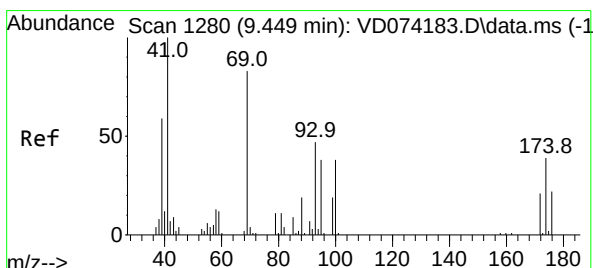
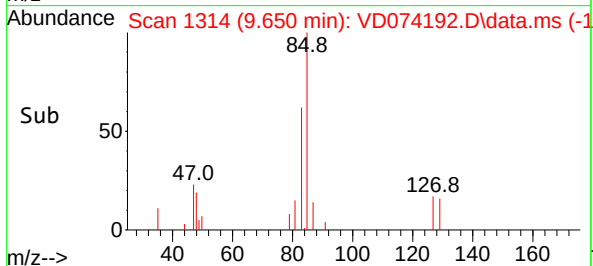
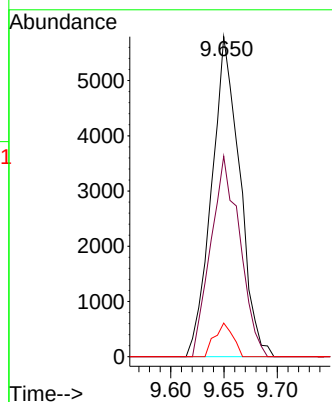
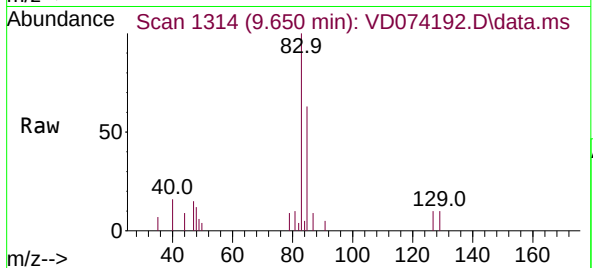
Tgt Ion: 83 Resp: 10612

Ion Ratio Lower Upper

83 100

85 62.6 51.4 77.0

127 10.5 6.1 9.1#



#48

Methyl methacrylate

Concen: 3.745 ug/l

RT: 9.450 min Scan# 1280

Delta R.T. 0.001 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

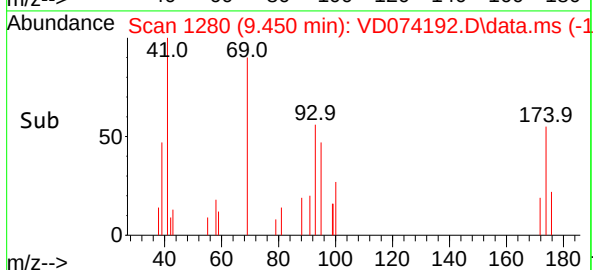
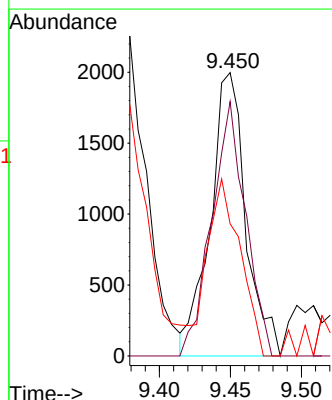
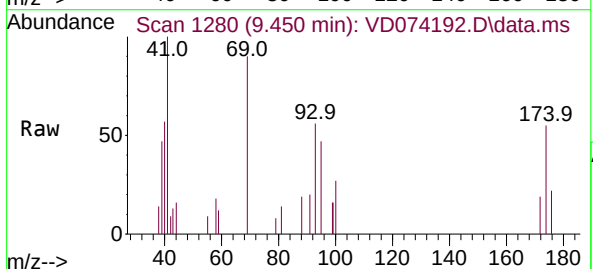
Tgt Ion: 41 Resp: 3455

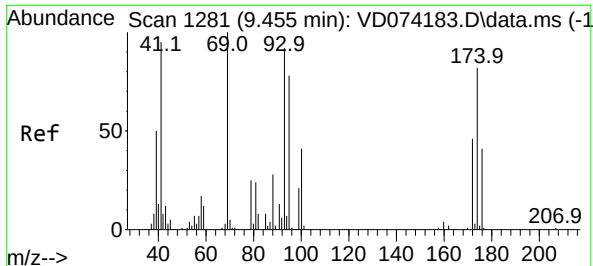
Ion Ratio Lower Upper

41 100

69 86.4 56.7 85.1#

39 58.4 42.7 64.1





#49

1,4-Dioxane

Concen: 66.924 ug/l

RT: 9.444 min Scan# 1279

Delta R.T. -0.011 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

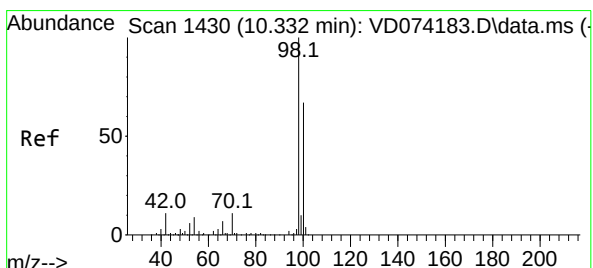
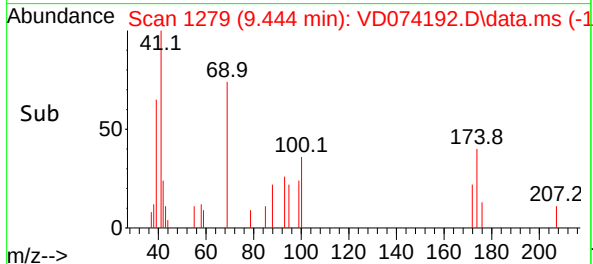
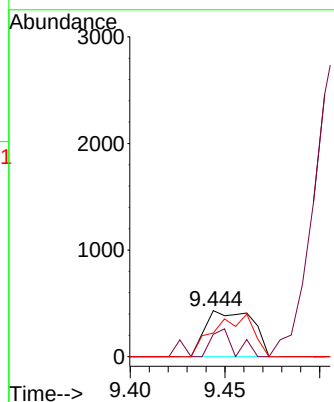
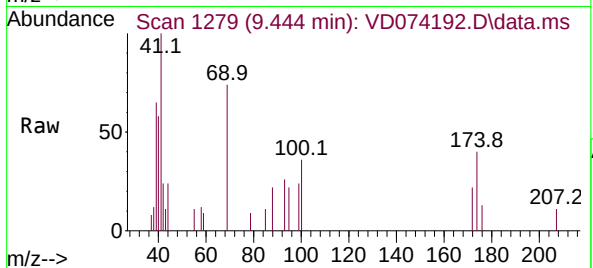
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

Tgt Ion:	88	Resp:	750
Ion	Ratio	Lower	Upper
88	100		
43	29.7	31.0	46.4
58	76.3	58.1	87.1



#50

Toluene-d8

Concen: 44.105 ug/l

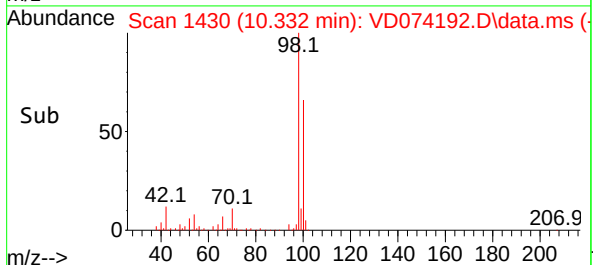
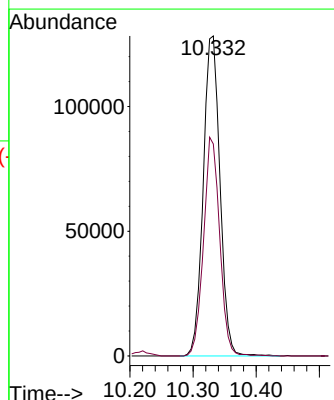
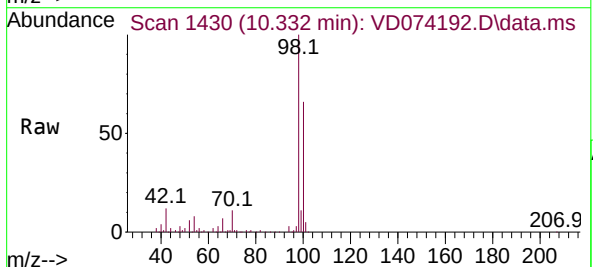
RT: 10.332 min Scan# 1430

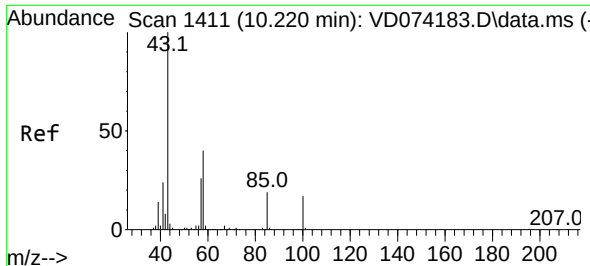
Delta R.T. 0.000 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Tgt Ion:	98	Resp:	236283
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 19.236 ug/l

RT: 10.220 min Scan# 1411

Delta R.T. 0.000 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

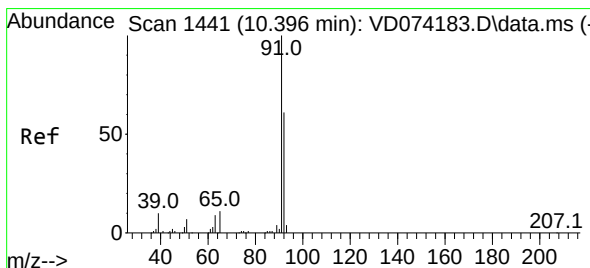
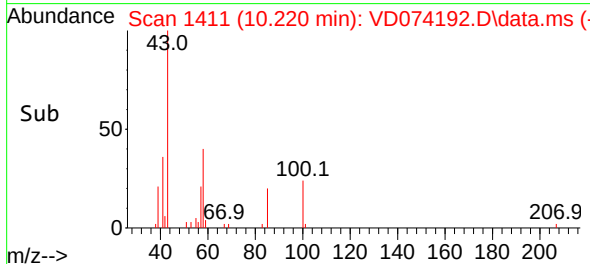
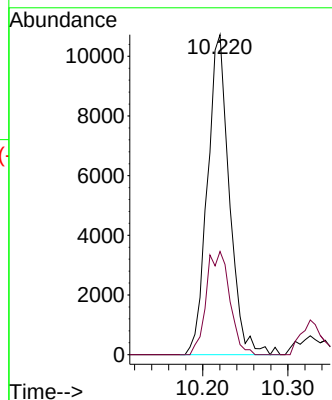
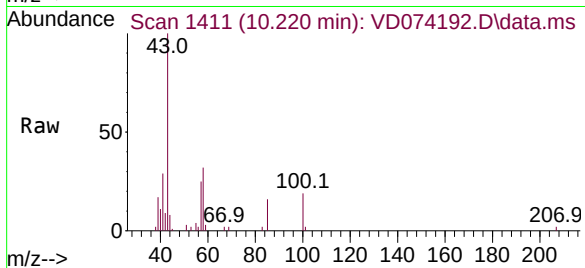
MDL-SOIL-03-QT3-2022

Tgt Ion: 43 Resp: 19176

Ion Ratio Lower Upper

43 100

58 34.5 28.6 43.0



#52

Toluene

Concen: 4.221 ug/l

RT: 10.391 min Scan# 1440

Delta R.T. -0.005 min

Lab File: VD074192.D

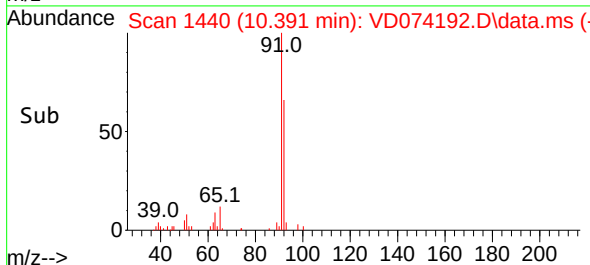
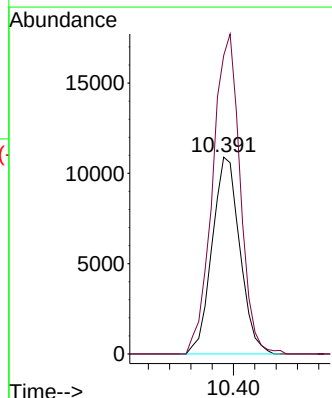
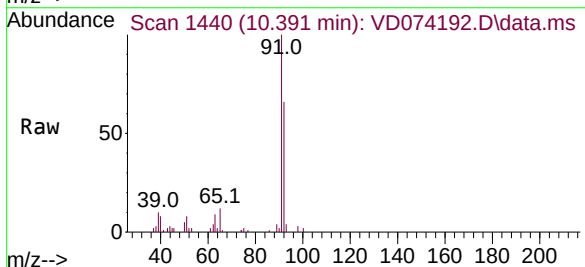
Acq: 23 Aug 2022 18:45

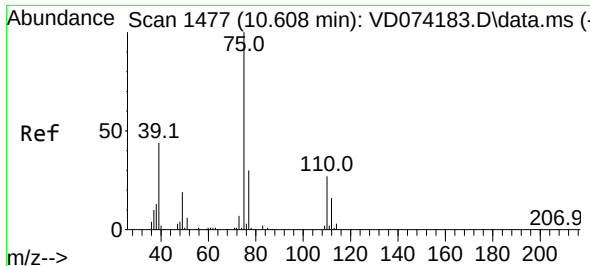
Tgt Ion: 92 Resp: 19677

Ion Ratio Lower Upper

92 100

91 161.5 139.6 209.4

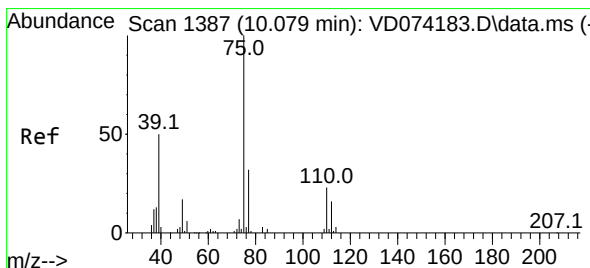
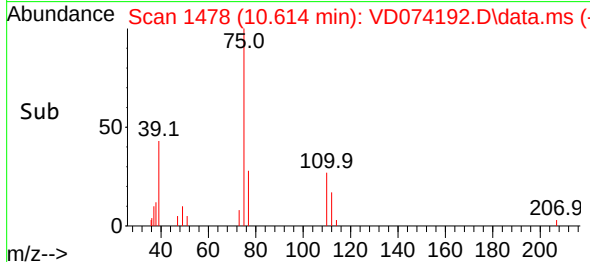
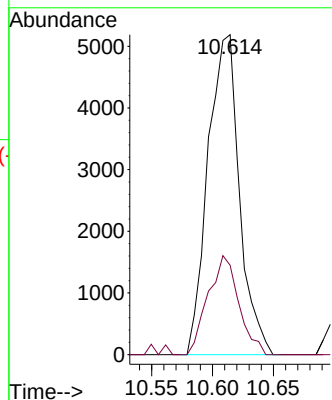
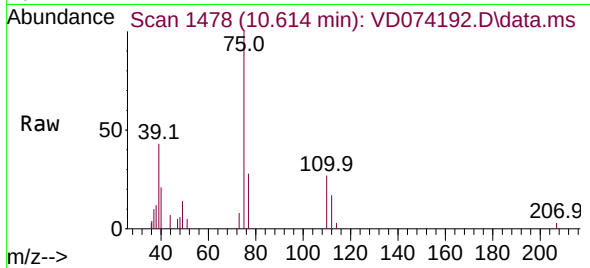




#53
 t-1,3-Dichloropropene
 Concen: 4.000 ug/l
 RT: 10.614 min Scan# 1477
 Delta R.T. 0.006 min
 Lab File: VD074192.D
 Acq: 23 Aug 2022 18:45

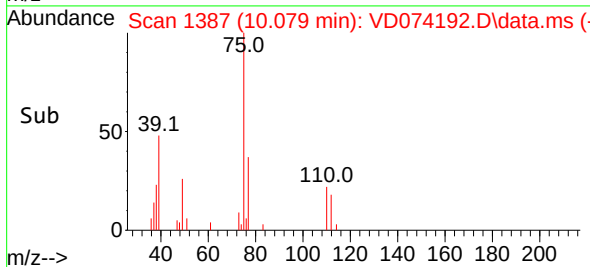
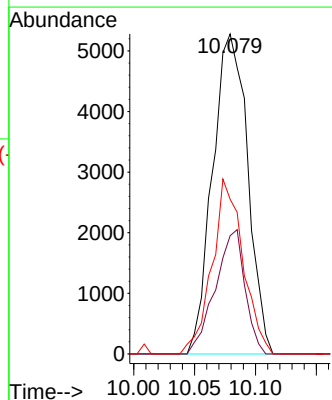
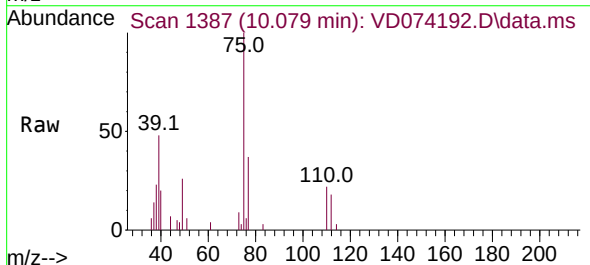
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

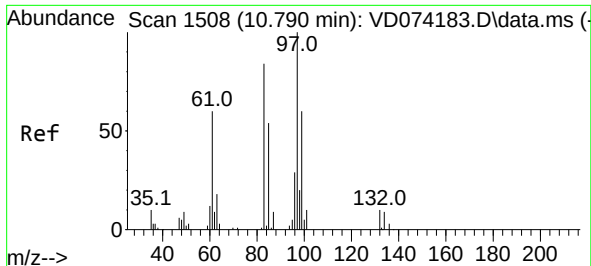
Tgt Ion: 75 Resp: 9319
 Ion Ratio Lower Upper
 75 100
 77 27.9 24.5 36.7



#54
 cis-1,3-Dichloropropene
 Concen: 3.825 ug/l
 RT: 10.079 min Scan# 1387
 Delta R.T. 0.000 min
 Lab File: VD074192.D
 Acq: 23 Aug 2022 18:45

Tgt Ion: 75 Resp: 10566
 Ion Ratio Lower Upper
 75 100
 77 37.0 24.8 37.2
 39 48.4 46.8 70.2

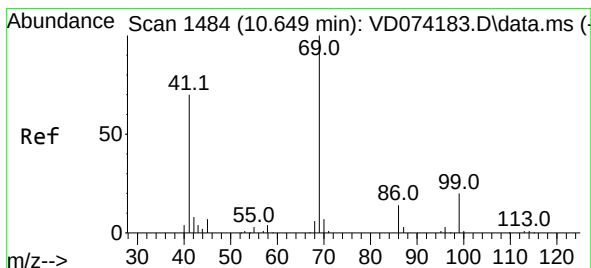
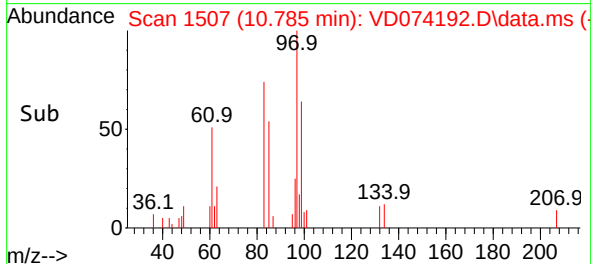
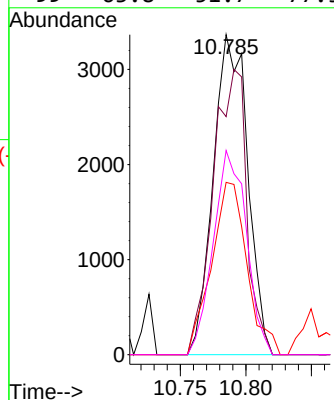
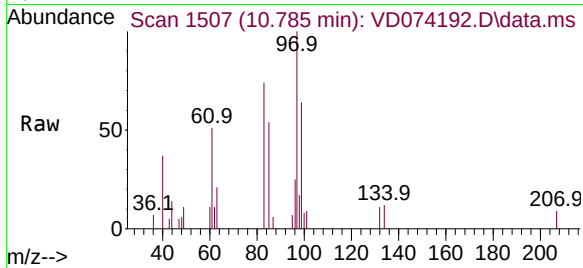




#55
1,1,2-Trichloroethane
Concen: 4.543 ug/l
RT: 10.785 min Scan# 1507
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

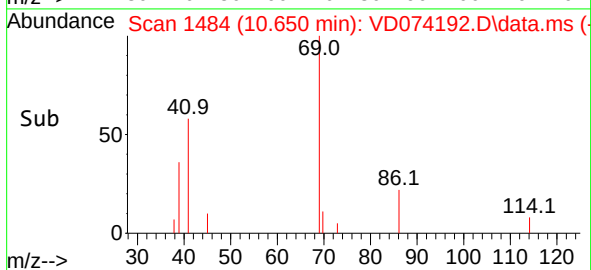
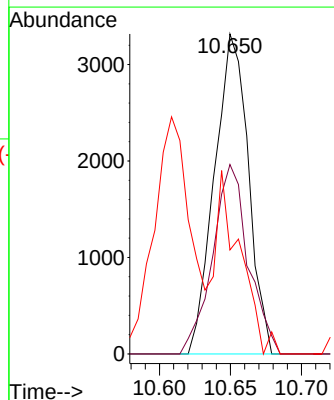
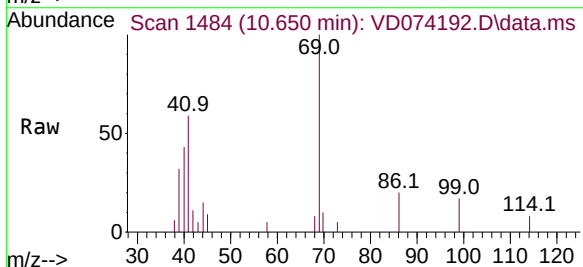
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

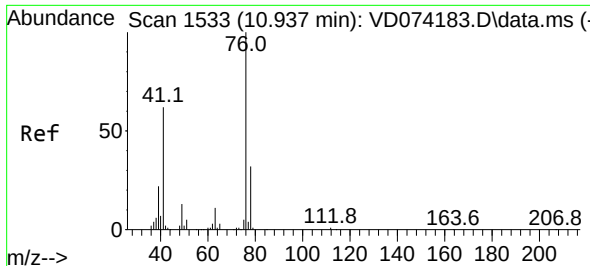
Tgt Ion:	97	Resp:	6136
Ion	Ratio	Lower	Upper
97	100		
83	74.4	69.0	103.4
85	53.9	42.6	63.8
99	63.8	51.7	77.5



#56
Ethyl methacrylate
Concen: 3.558 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion:	69	Resp:	5490
Ion	Ratio	Lower	Upper
69	100		
41	62.8	63.0	94.6#
39	42.3	33.8	50.8





#57

1,3-Dichloropropane

Concen: 4.101 ug/l

RT: 10.932 min Scan# 1533

Delta R.T. -0.005 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

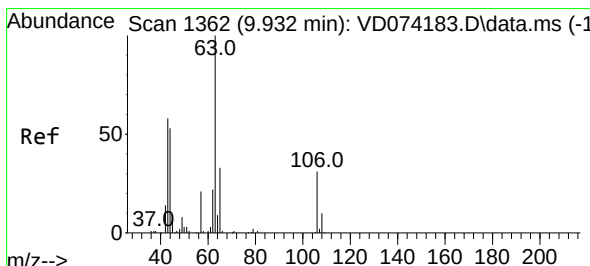
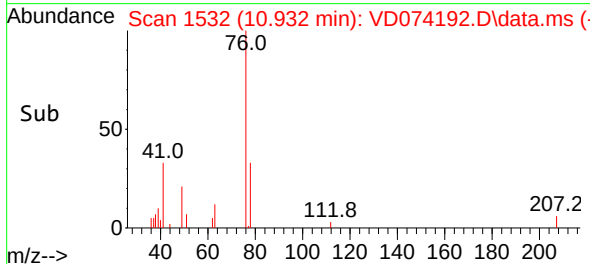
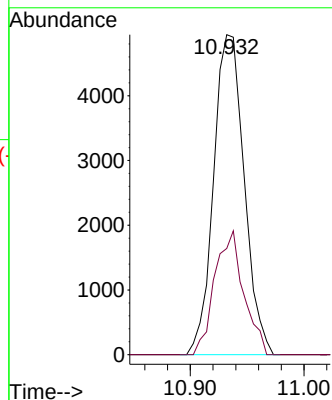
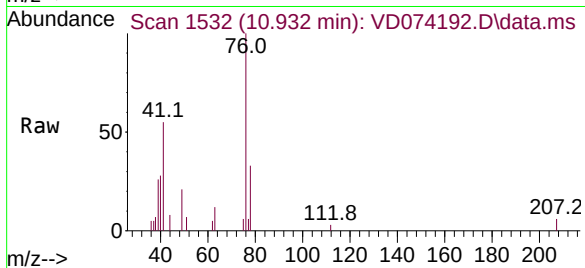
MDL-SOIL-03-QT3-2022

Tgt Ion: 76 Resp: 9256

Ion Ratio Lower Upper

76 100

78 36.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 18.380 ug/l

RT: 9.932 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VD074192.D

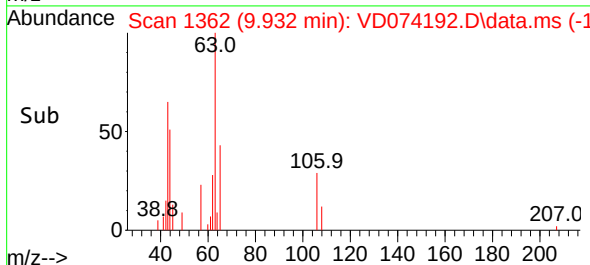
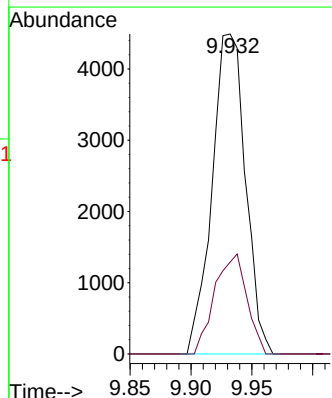
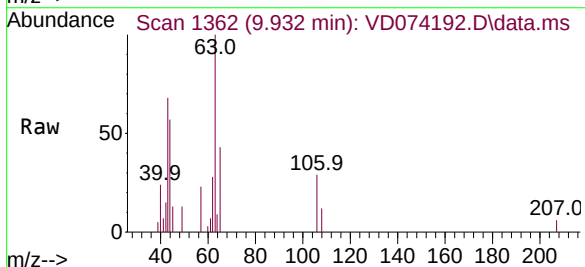
Acq: 23 Aug 2022 18:45

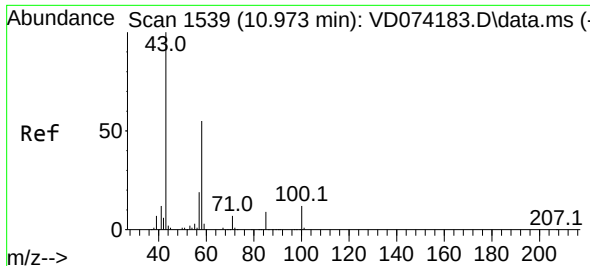
Tgt Ion: 63 Resp: 8585

Ion Ratio Lower Upper

63 100

106 30.0 21.4 32.0

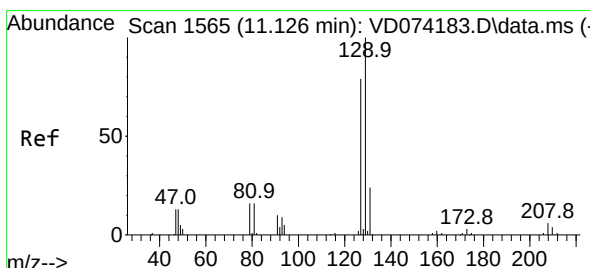
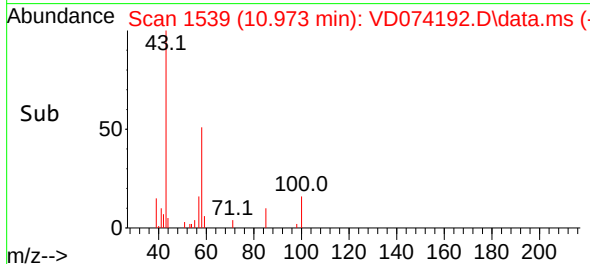
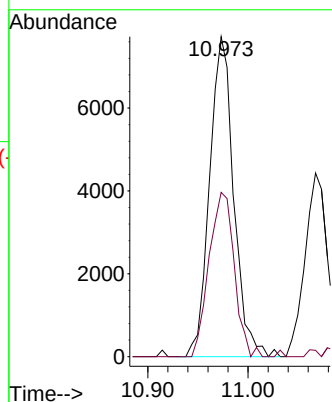
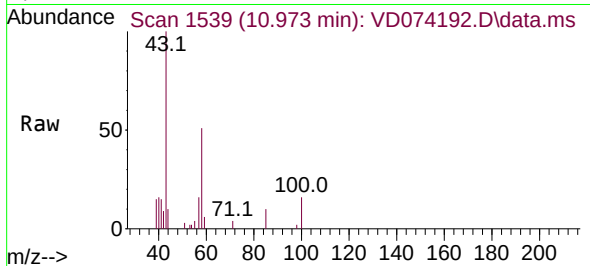




#59
2-Hexanone
Concen: 19.181 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

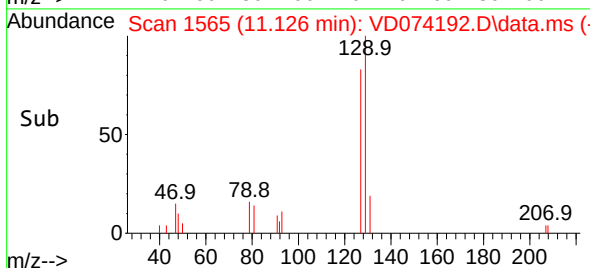
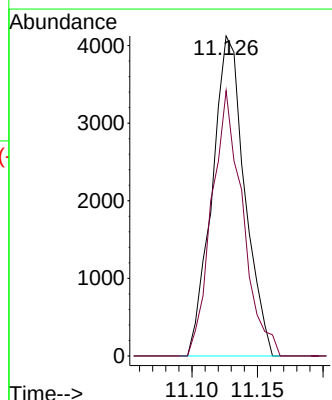
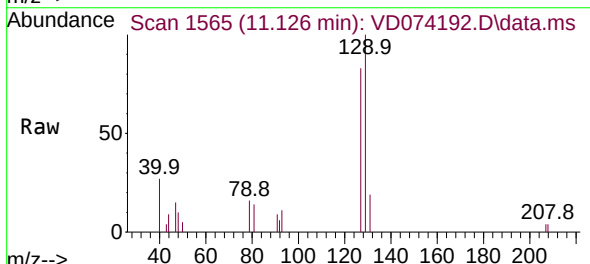
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT3-2022

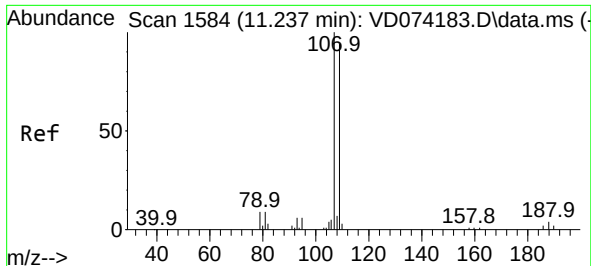
Tgt Ion: 43 Resp: 12892
Ion Ratio Lower Upper
43 100
58 53.6 25.3 75.9



#60
Dibromochloromethane
Concen: 4.055 ug/l
RT: 11.126 min Scan# 1565
Delta R.T. 0.000 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 129 Resp: 7114
Ion Ratio Lower Upper
129 100
127 78.6 39.2 117.6

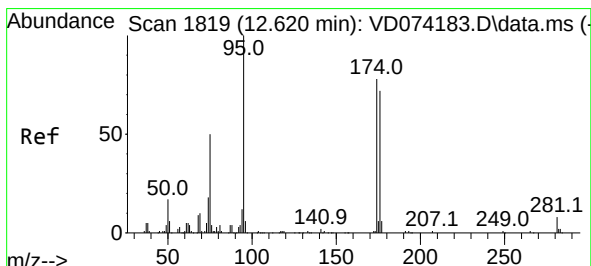
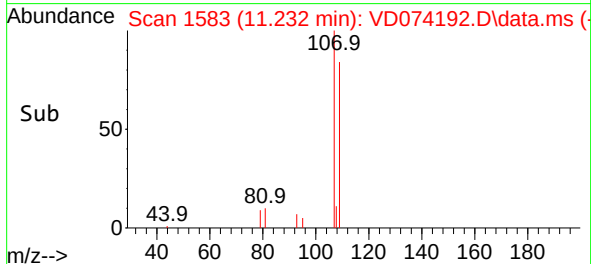
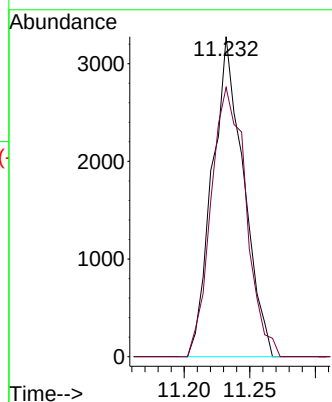
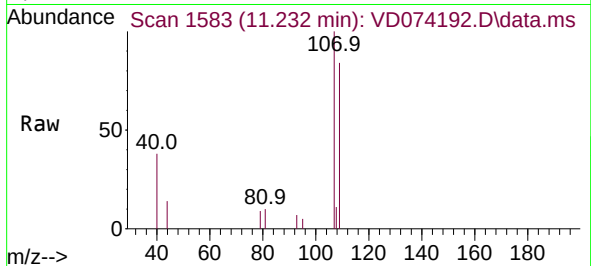




#61
1,2-Dibromoethane
Concen: 4.121 ug/l
RT: 11.232 min Scan# 11
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

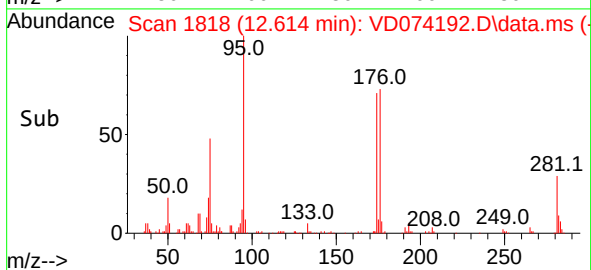
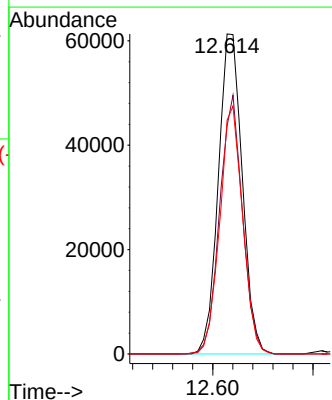
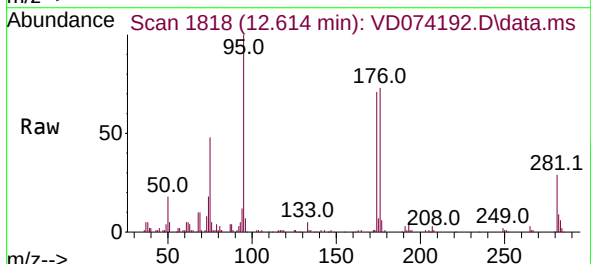
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

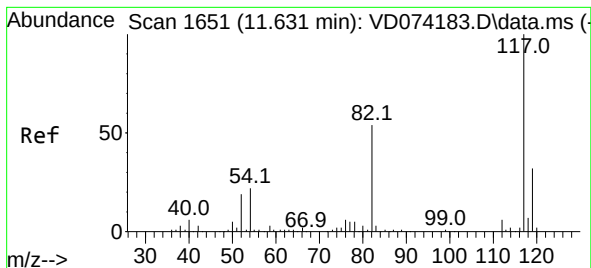
Tgt Ion:107 Resp: 5430
Ion Ratio Lower Upper
107 100
109 94.0 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 47.993 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.006 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 95 Resp: 101573
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.8
176 74.4 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: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

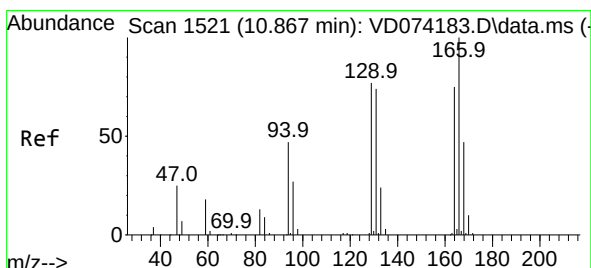
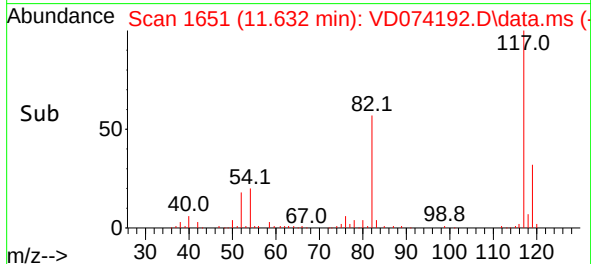
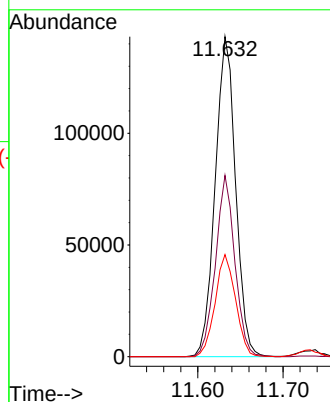
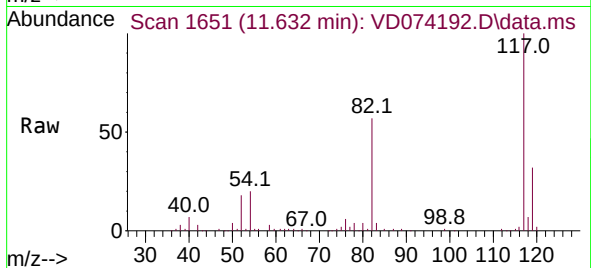
Tgt Ion:117 Resp: 238135

Ion Ratio Lower Upper

117 100

82 56.7 45.3 67.9

119 31.9 26.6 40.0



#64

Tetrachloroethene

Concen: 4.089 ug/l

RT: 10.867 min Scan# 1521

Delta R.T. 0.000 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Tgt Ion:164 Resp: 7106

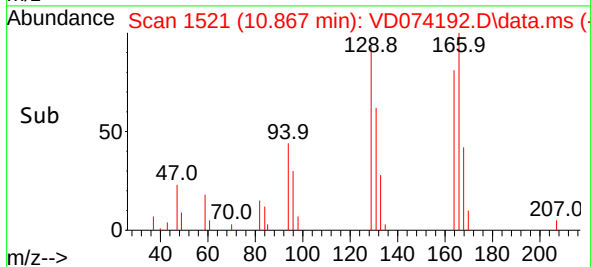
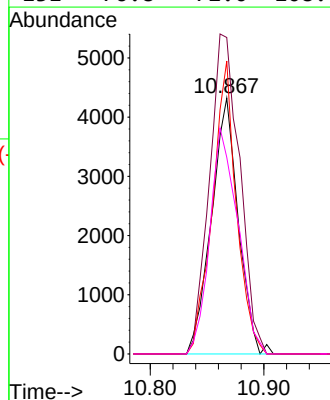
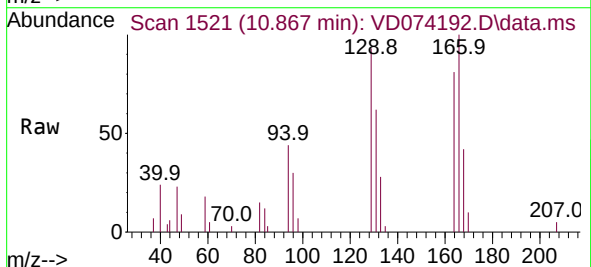
Ion Ratio Lower Upper

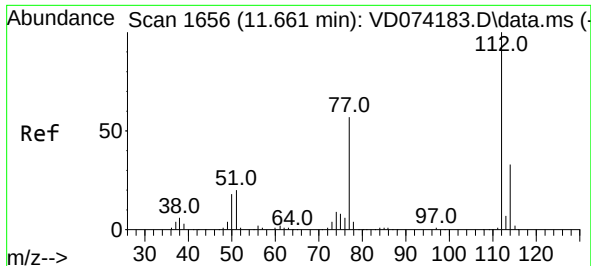
164 100

166 123.7 98.5 147.7

129 114.5 74.6 111.8#

131 76.8 72.0 108.0

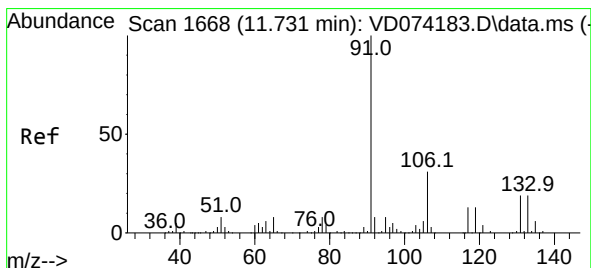
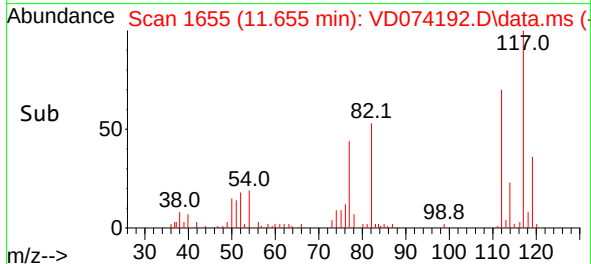
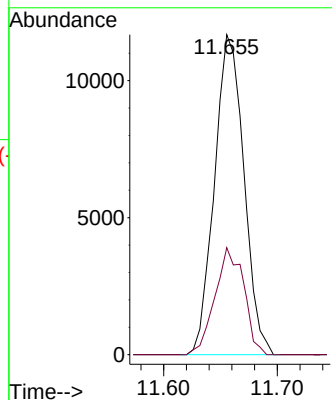
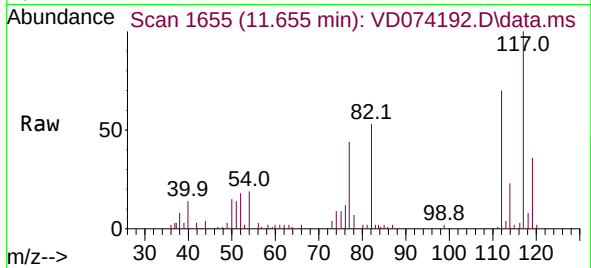




#65
Chlorobenzene
Concen: 4.048 ug/l
RT: 11.655 min Scan# 1655
Delta R.T. -0.006 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

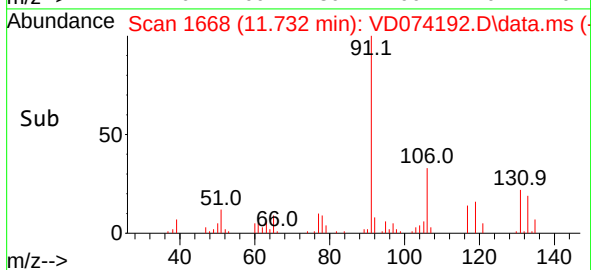
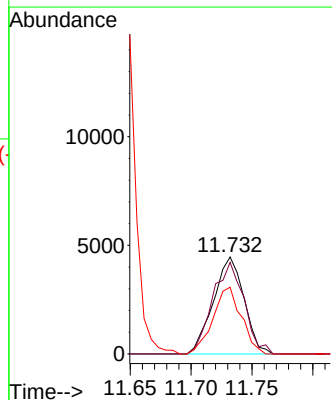
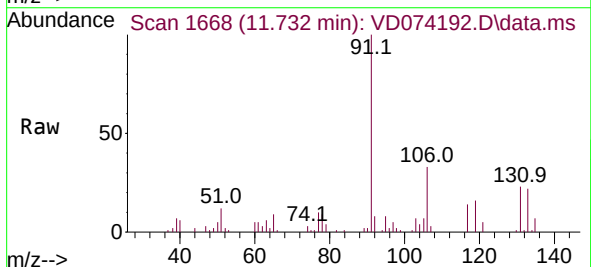
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

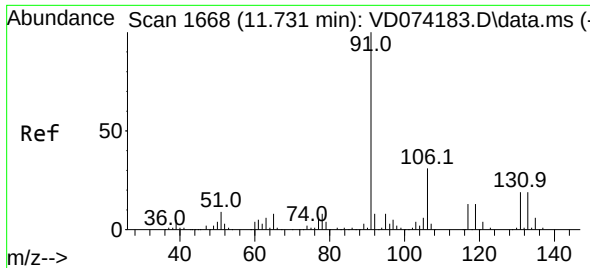
Tgt Ion:112 Resp: 21009
Ion Ratio Lower Upper
112 100
114 33.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.002 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion:131 Resp: 7808
Ion Ratio Lower Upper
131 100
133 97.2 48.1 144.3
119 64.0 31.9 95.9

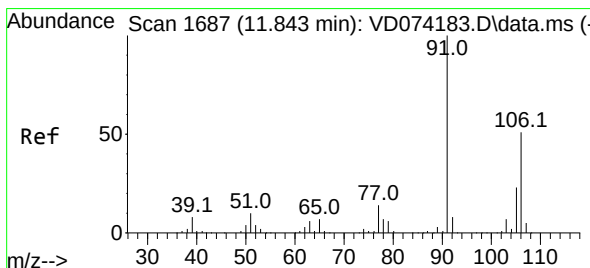
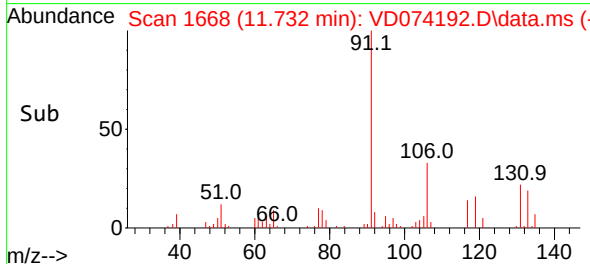
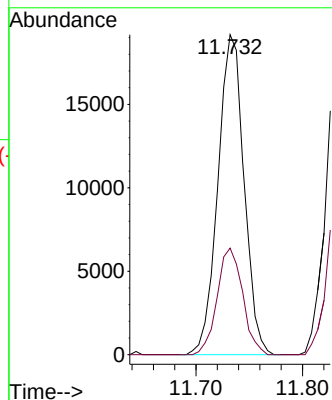
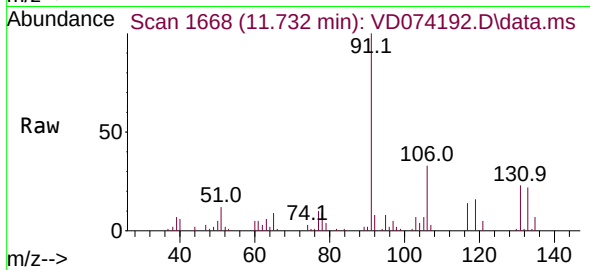




#67
Ethyl Benzene
Concen: 3.673 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

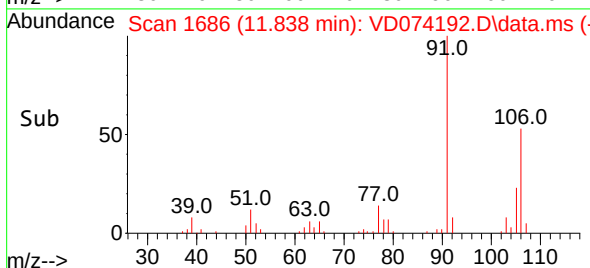
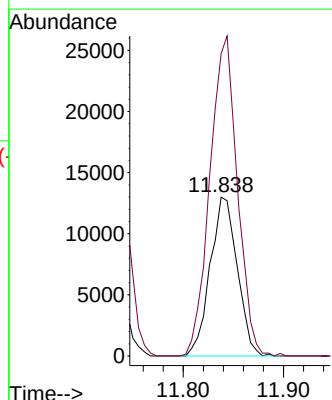
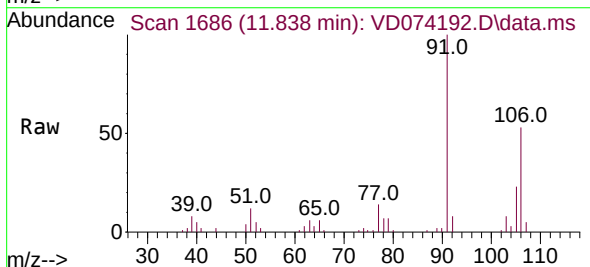
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

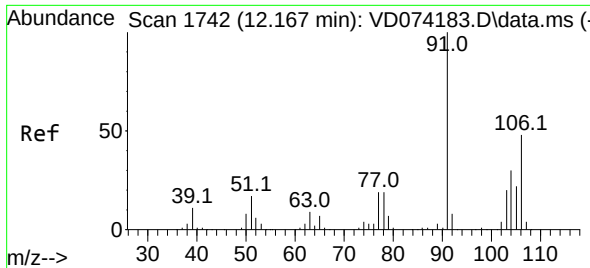
Tgt Ion: 91 Resp: 32625
Ion Ratio Lower Upper
91 100
106 33.3 24.2 36.4



#68
m/p-Xylenes
Concen: 6.904 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 106 Resp: 24425
Ion Ratio Lower Upper
106 100
91 204.7 163.7 245.5

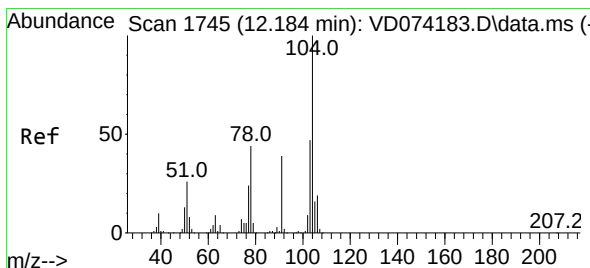
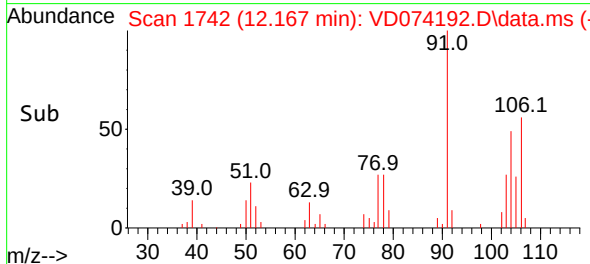
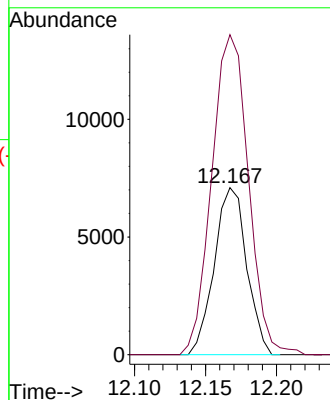
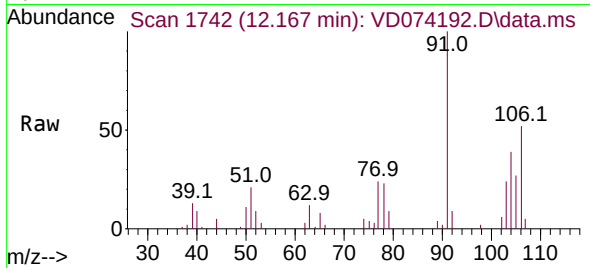




#69
o-Xylene
Concen: 3.445 ug/l
RT: 12.167 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

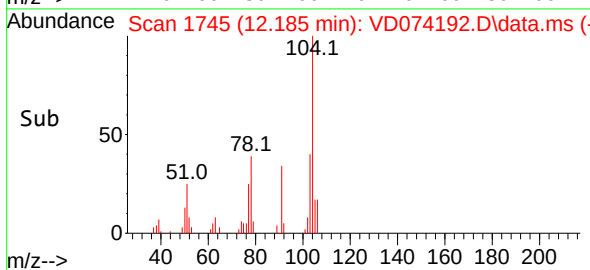
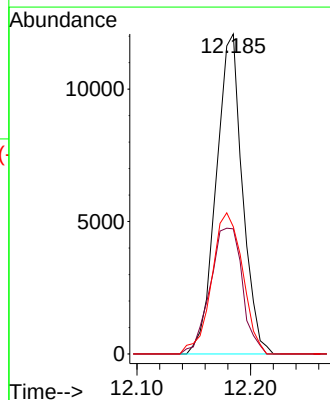
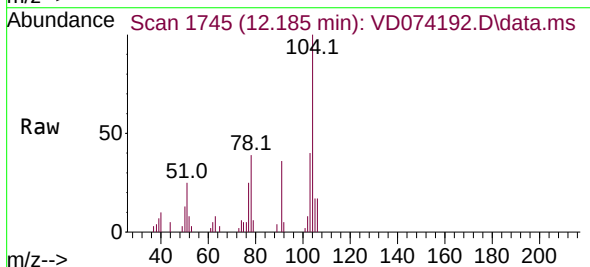
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

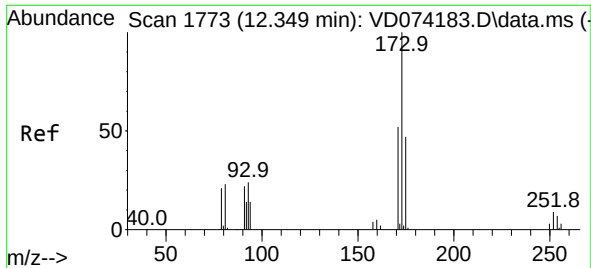
Tgt Ion:106 Resp: 11247
Ion Ratio Lower Upper
106 100
91 217.2 110.4 331.2



#70
Styrene
Concen: 3.467 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion:104 Resp: 19404
Ion Ratio Lower Upper
104 100
78 48.1 41.8 62.8
103 51.9 44.2 66.4

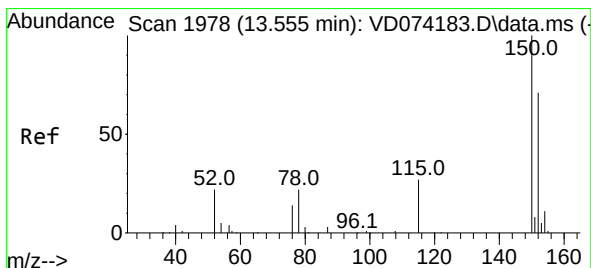
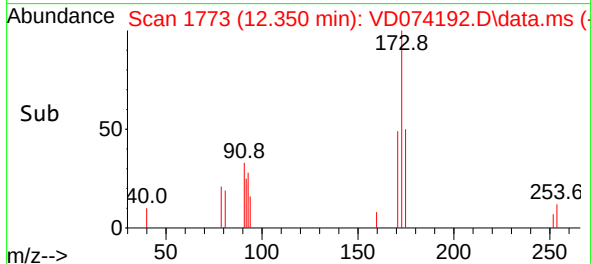
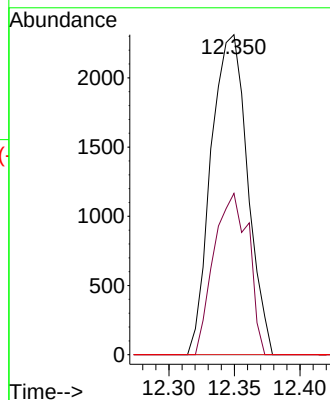
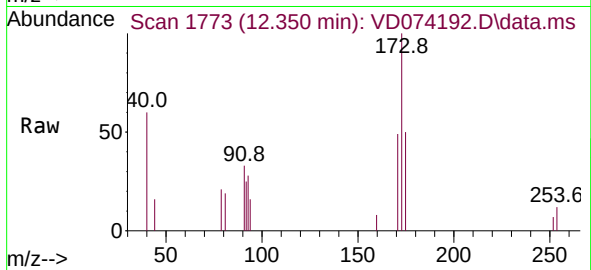




#71
Bromoform
Concen: 4.215 ug/l
RT: 12.350 min Scan# 1773
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

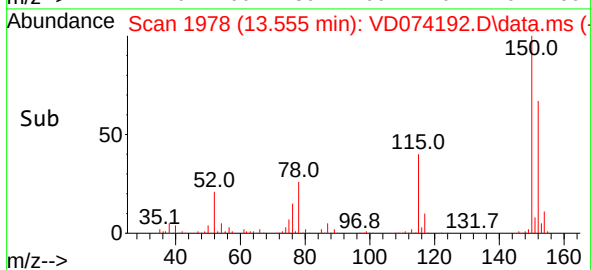
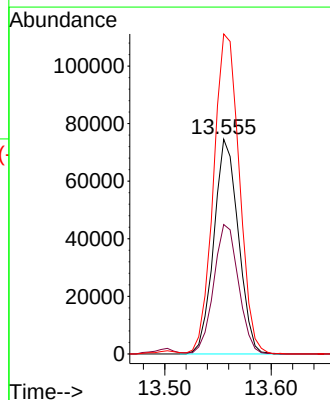
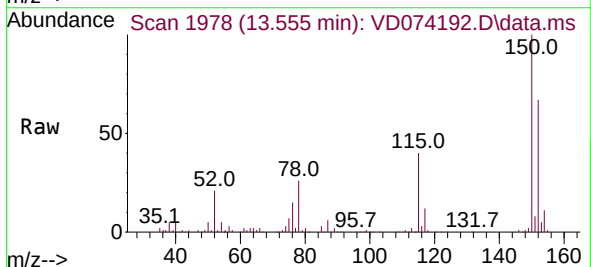
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

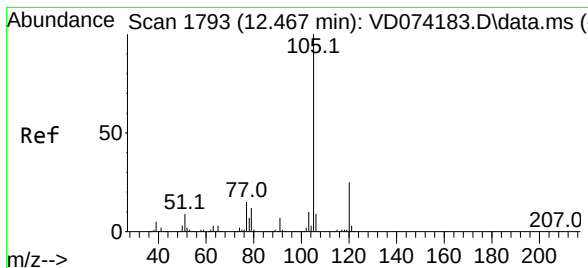
Tgt Ion:173 Resp: 4473
Ion Ratio Lower Upper
173 100
175 48.0 23.9 71.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. 0.000 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion:152 Resp: 118676
Ion Ratio Lower Upper
152 100
115 61.4 31.3 93.8
150 157.5 0.0 348.6





#73

Isopropylbenzene

Concen: 3.581 ug/l

RT: 12.461 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

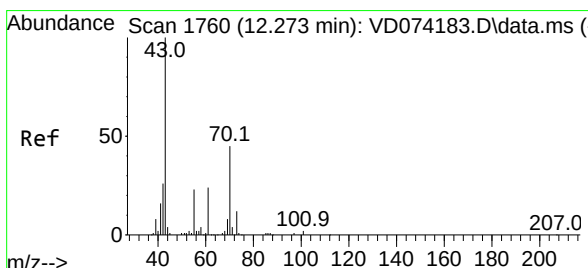
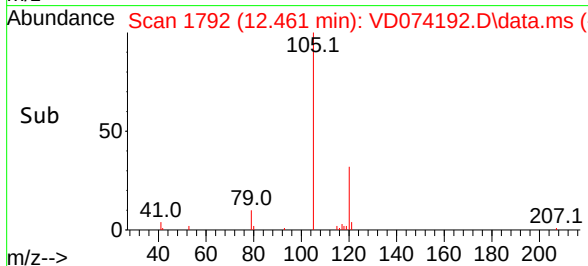
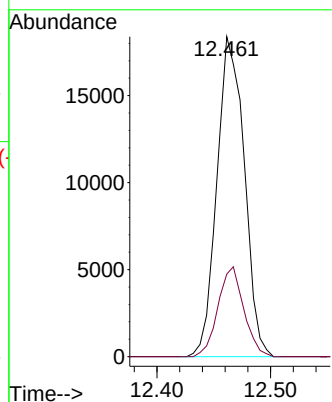
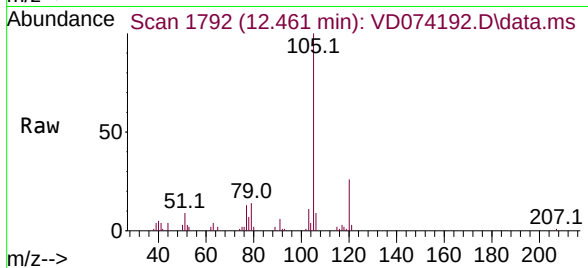
MDL-SOIL-03-QT3-2022

Tgt Ion:105 Resp: 30771

Ion Ratio Lower Upper

105 100

120 26.5 13.0 38.9



#74

N-ethyl acetate

Concen: 3.365 ug/l

RT: 12.273 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Tgt Ion: 43 Resp: 6290

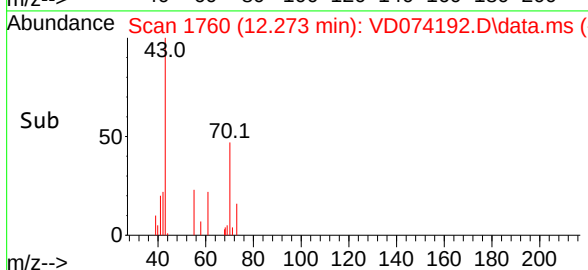
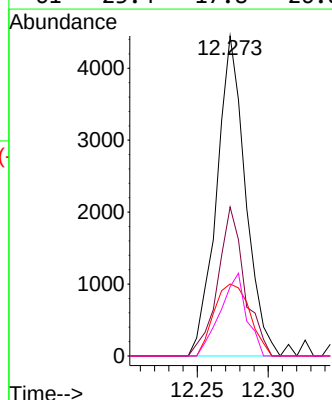
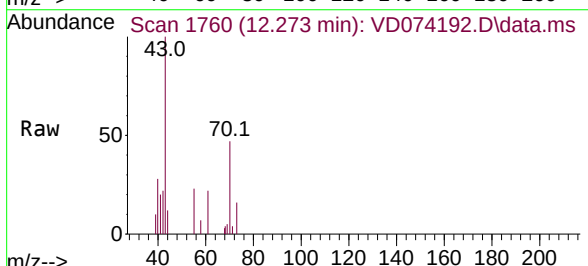
Ion Ratio Lower Upper

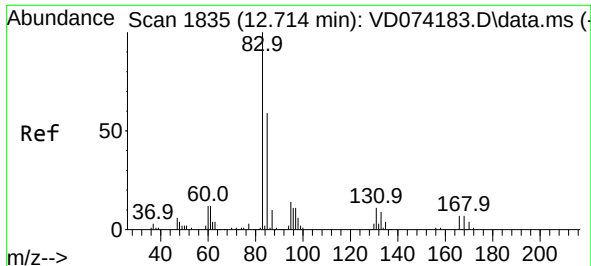
43 100

70 43.4 31.3 46.9

55 27.9 20.0 30.0

61 23.4 17.8 26.8

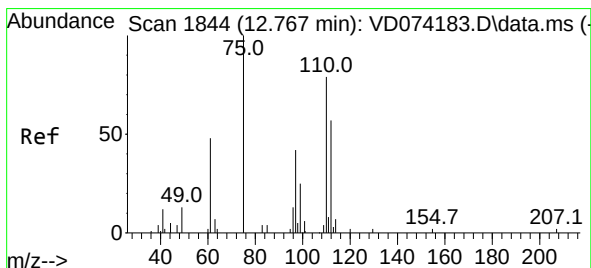
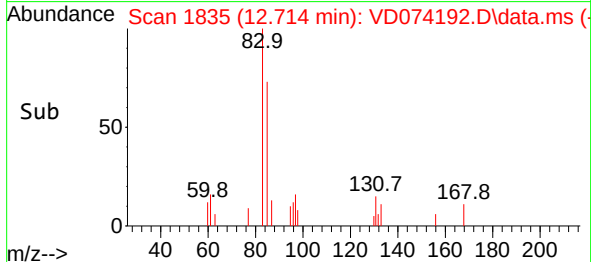
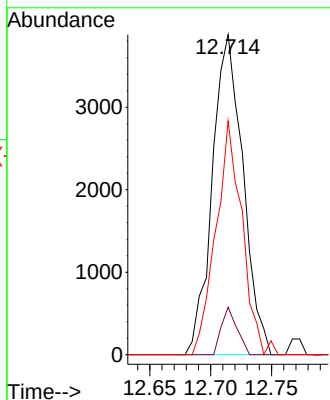
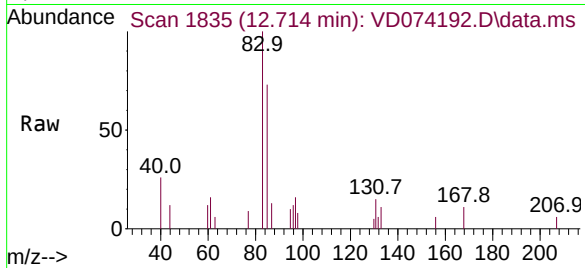




#75
1,1,2-Tetrachloroethane
Concen: 4.433 ug/l
RT: 12.714 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

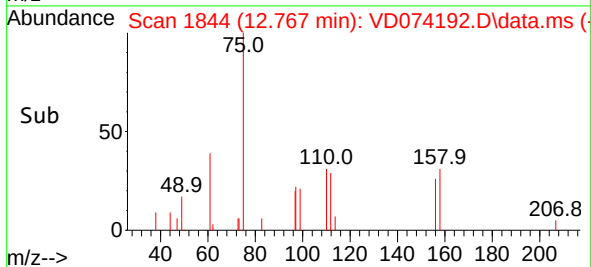
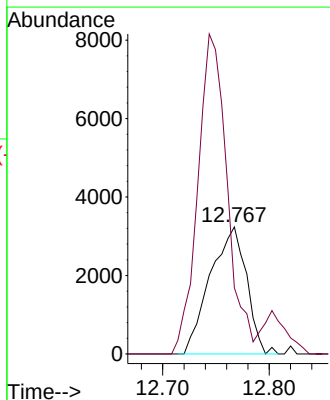
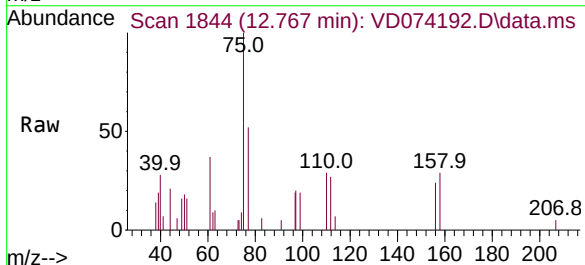
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MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

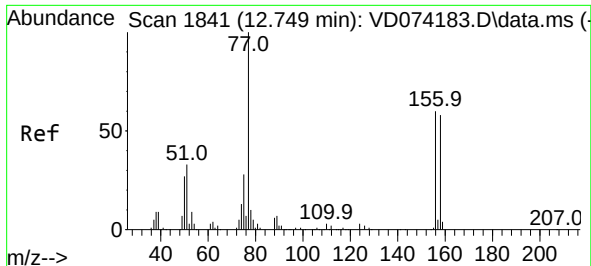
Tgt Ion: 83 Resp: 6803
Ion Ratio Lower Upper
83 100
131 7.6 5.0 14.9
85 62.5 32.6 98.0



#76
1,2,3-Trichloropropane
Concen: 6.625 ug/l
RT: 12.767 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 75 Resp: 7677
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

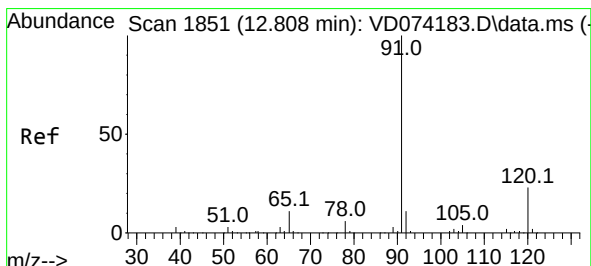
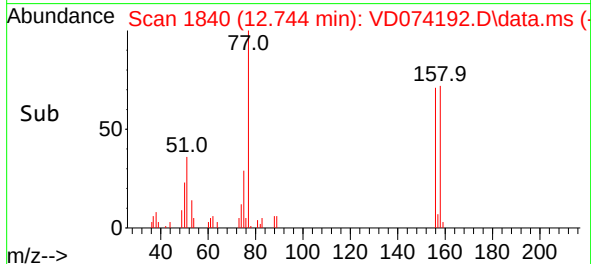
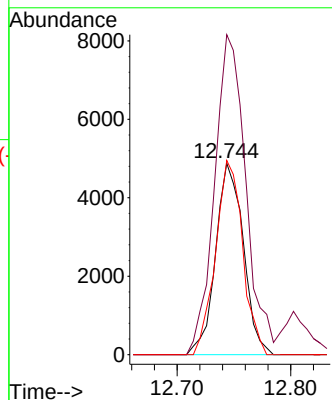
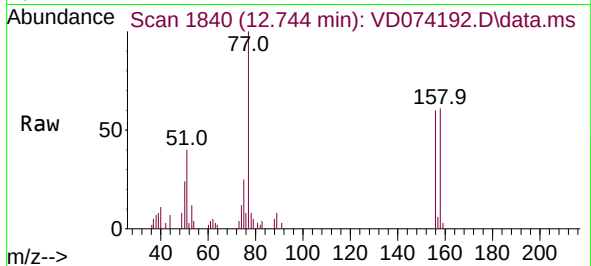




#77
Bromobenzene
Concen: 4.065 ug/l
RT: 12.744 min Scan# 1840
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

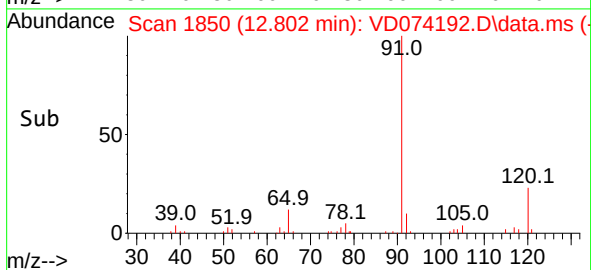
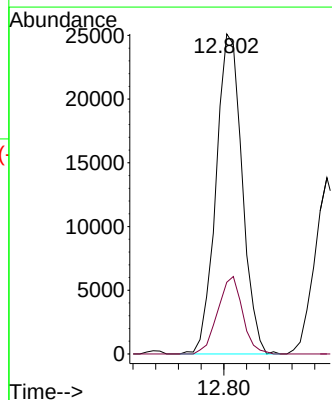
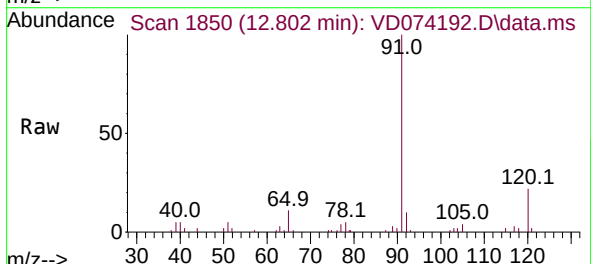
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

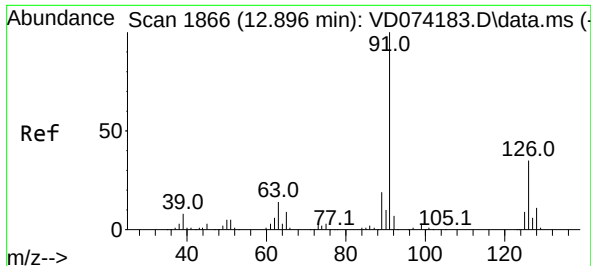
Tgt Ion:156 Resp: 8276
Ion Ratio Lower Upper
156 100
77 188.4 102.8 308.3
158 99.3 48.7 146.1



#78
n-propylbenzene
Concen: 3.821 ug/l
RT: 12.802 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 91 Resp: 40157
Ion Ratio Lower Upper
91 100
120 22.9 10.9 32.9

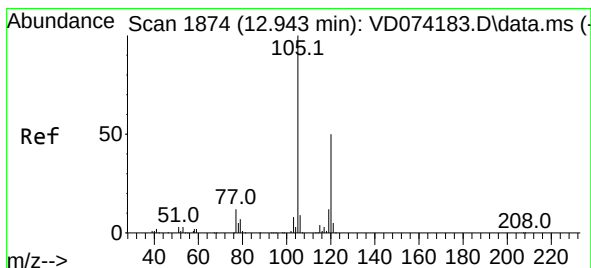
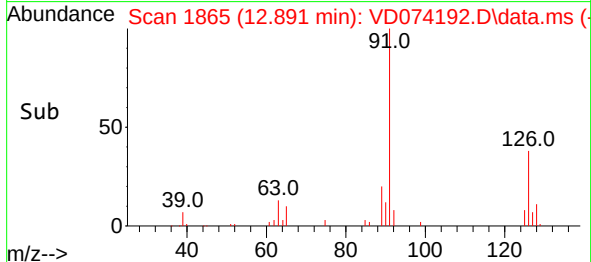
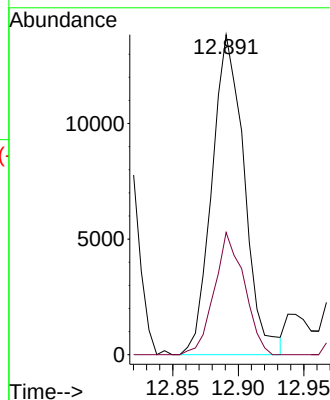
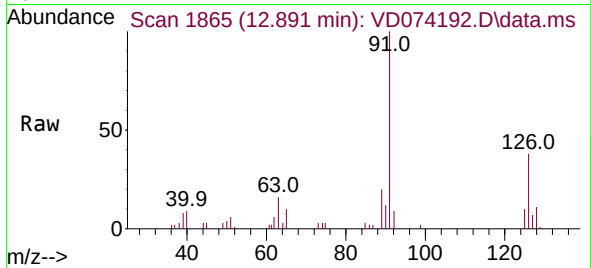




#79
2-Chlorotoluene
Concen: 3.911 ug/l
RT: 12.891 min Scan# 1865
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

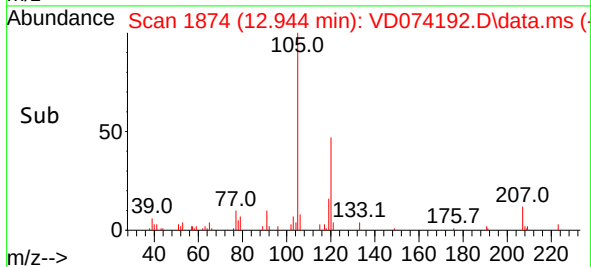
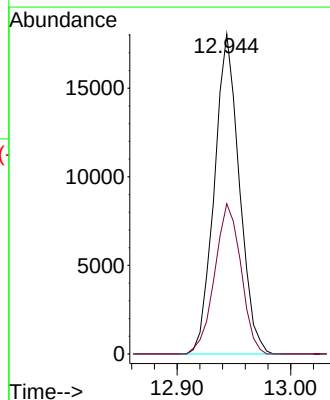
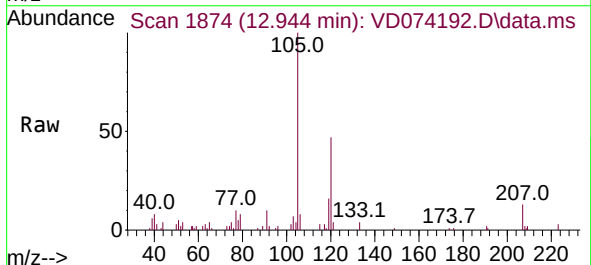
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ClientSampleId :
MDL-SOIL-03-QT3-2022

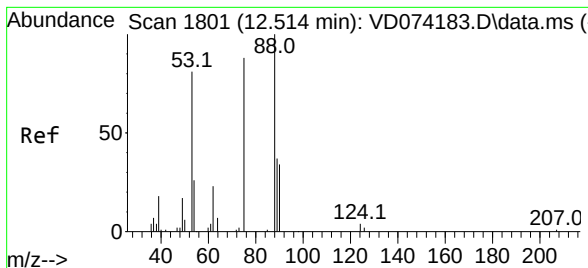
Tgt Ion: 91 Resp: 23732
Ion Ratio Lower Upper
91 100
126 35.4 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 3.738 ug/l
RT: 12.944 min Scan# 1874
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 105 Resp: 27598
Ion Ratio Lower Upper
105 100
120 49.4 24.3 72.8

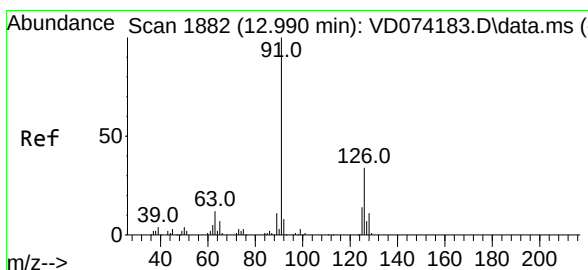
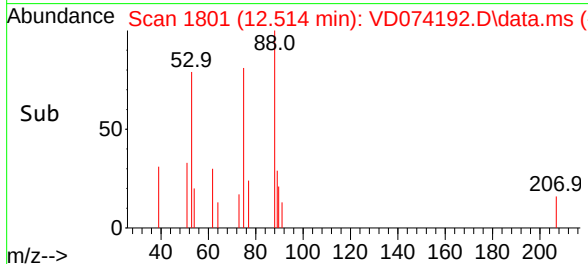
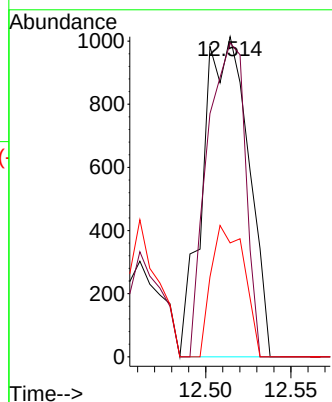
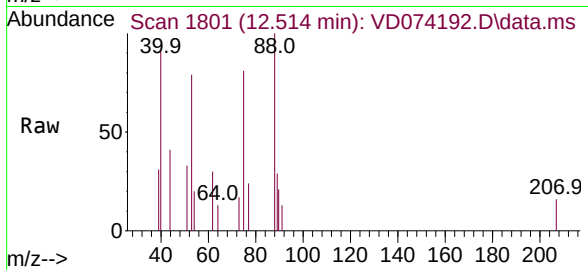




#81
trans-1,4-Dichloro-2-butene
Concen: 4.177 ug/l
RT: 12.514 min Scan# 1801
Delta R.T. 0.000 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

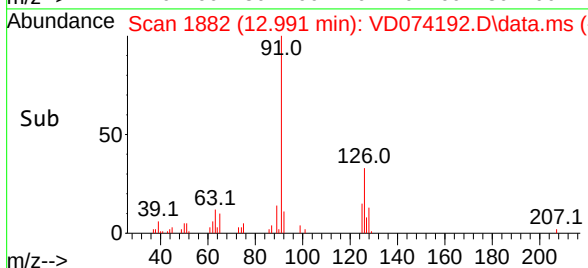
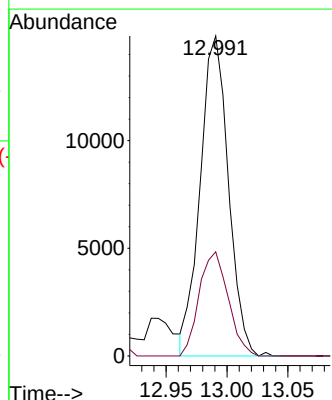
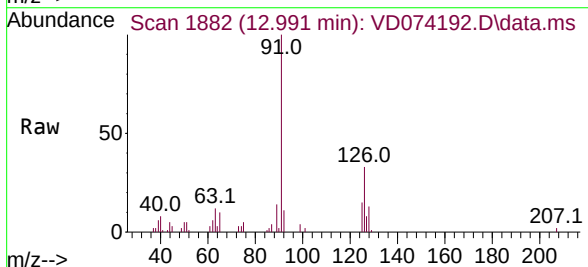
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

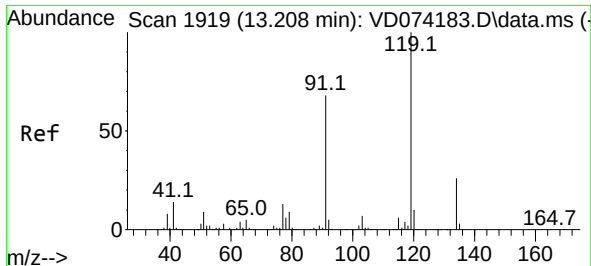
Tgt Ion: 75 Resp: 1882
Ion Ratio Lower Upper
75 100
53 81.9 86.5 129.7#
89 29.8 33.9 50.9#



#82
4-Chlorotoluene
Concen: 3.743 ug/l
RT: 12.991 min Scan# 1882
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 91 Resp: 24026
Ion Ratio Lower Upper
91 100
126 33.4 16.5 49.5

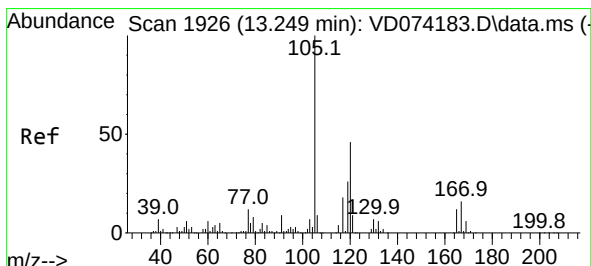
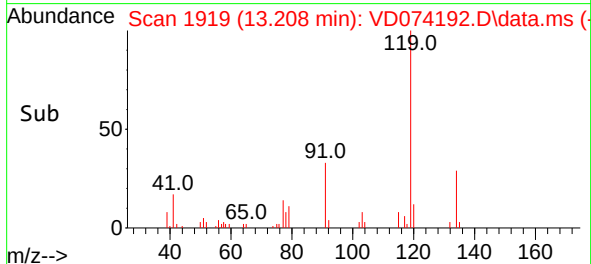
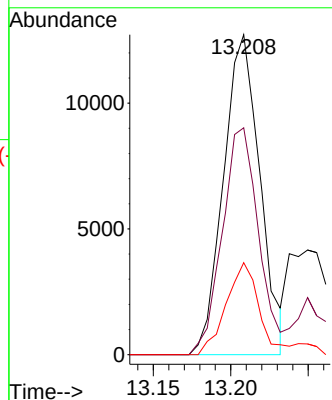
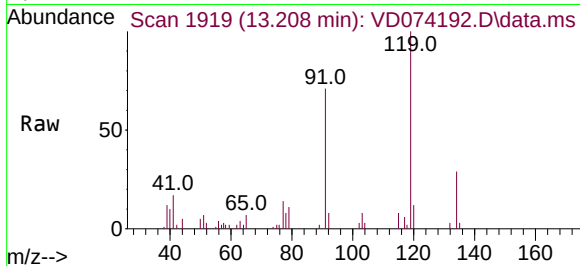




#83
tert-Butylbenzene
Concen: 3.345 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

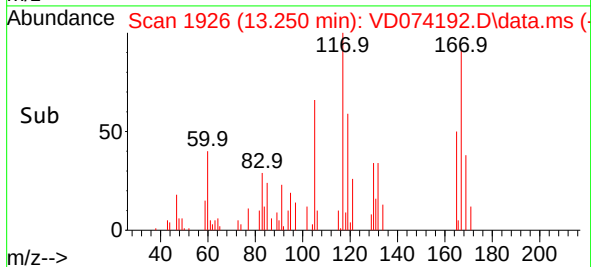
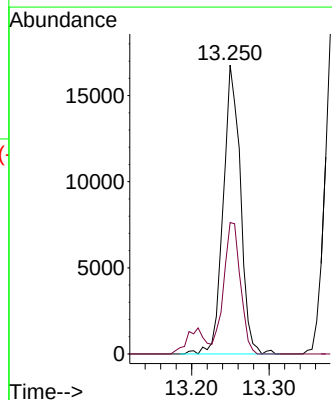
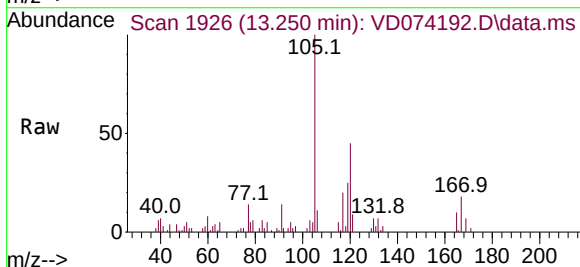
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

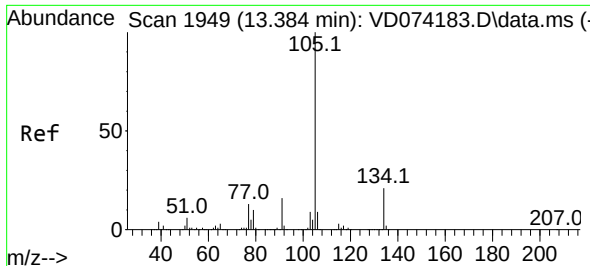
Tgt Ion	Ratio	Lower	Upper
119	100		
91	70.4	34.8	104.5
134	26.0	13.3	39.9



#84
1,2,4-Trimethylbenzene
Concen: 3.599 ug/l
RT: 13.250 min Scan# 1926
Delta R.T. 0.001 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.3	66.8

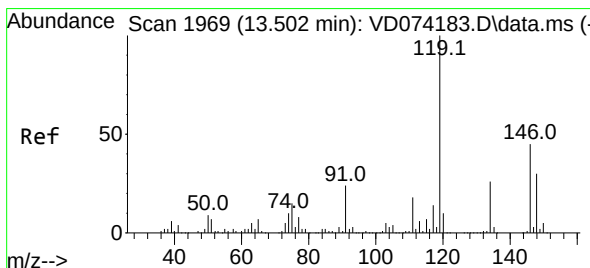
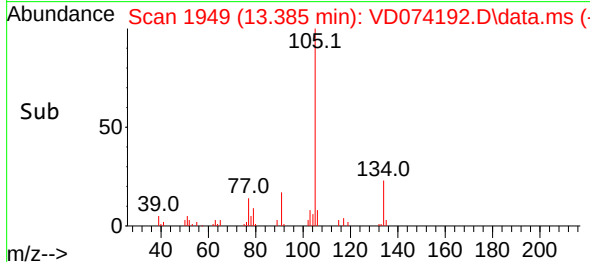
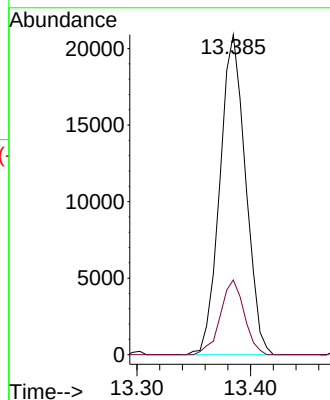
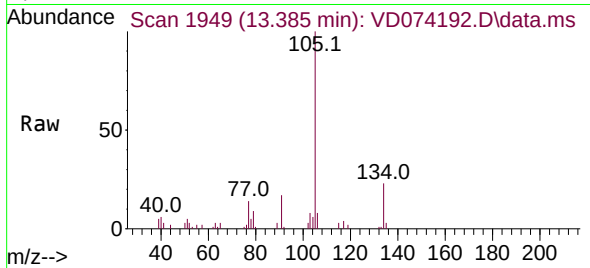




#85
 sec-Butylbenzene
 Concen: 3.496 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. 0.001 min
 Lab File: VD074192.D
 Acq: 23 Aug 2022 18:45

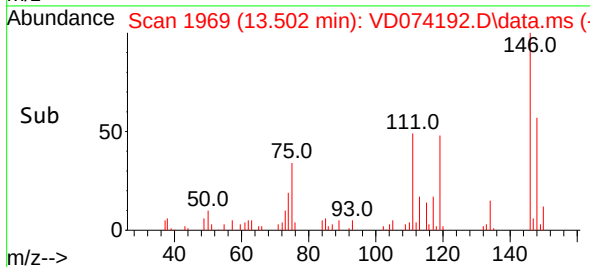
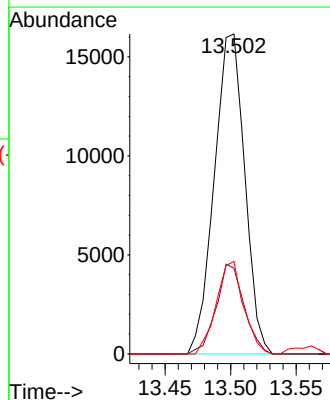
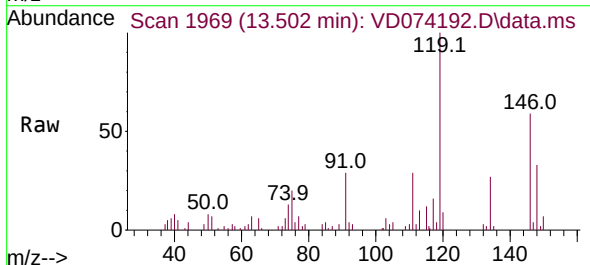
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

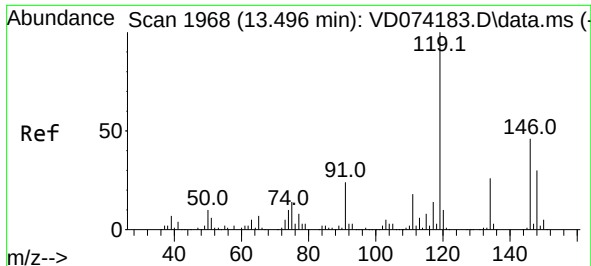
Tgt Ion:105 Resp: 32863
 Ion Ratio Lower Upper
 105 100
 134 21.7 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 3.360 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD074192.D
 Acq: 23 Aug 2022 18:45

Tgt Ion:119 Resp: 26063
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.6
 91 26.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.007 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. 0.006 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

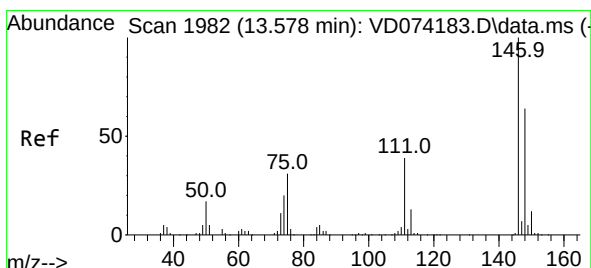
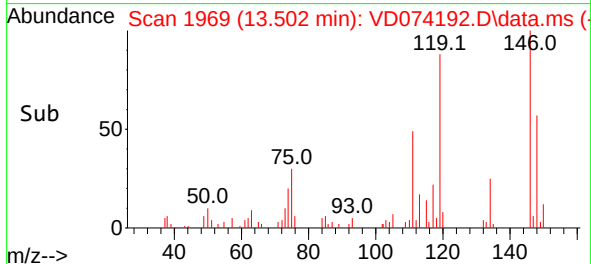
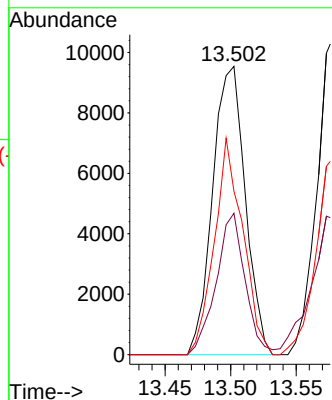
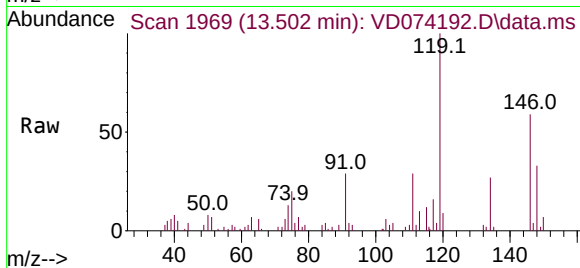
Tgt Ion:146 Resp: 16500

Ion Ratio Lower Upper

146 100

111 43.6 20.4 61.3

148 65.6 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 4.135 ug/l

RT: 13.579 min Scan# 1982

Delta R.T. 0.001 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

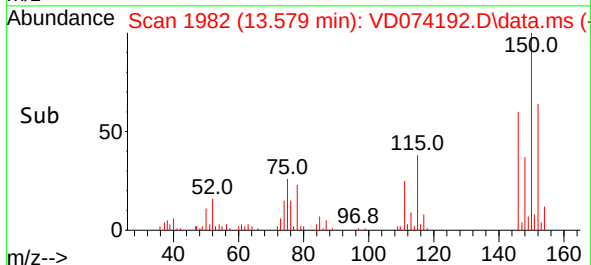
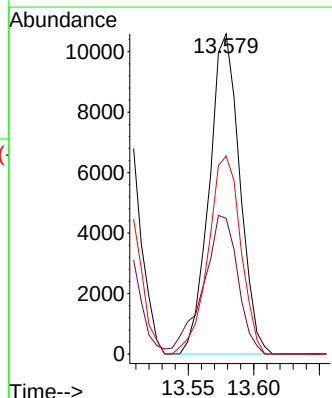
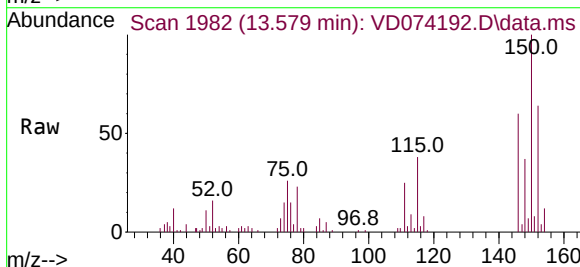
Tgt Ion:146 Resp: 17155

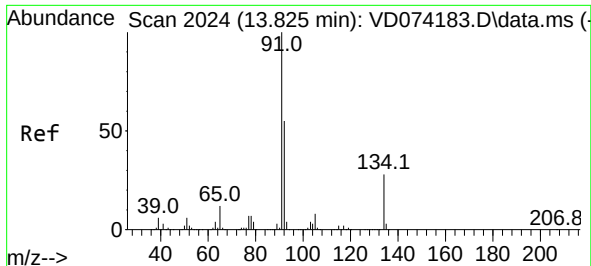
Ion Ratio Lower Upper

146 100

111 48.9 20.3 60.9

148 65.6 31.7 95.1

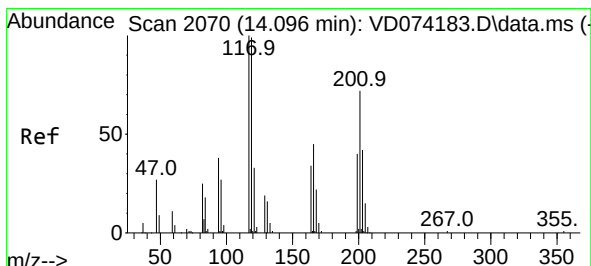
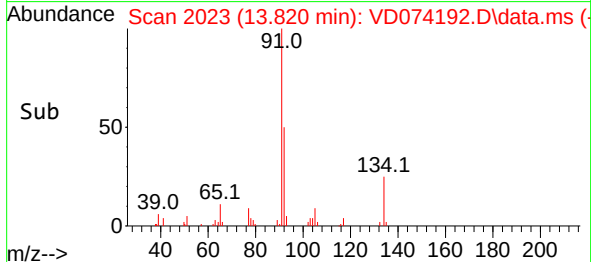
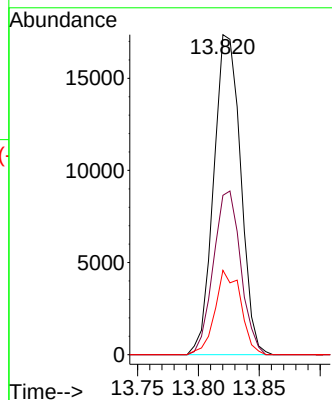
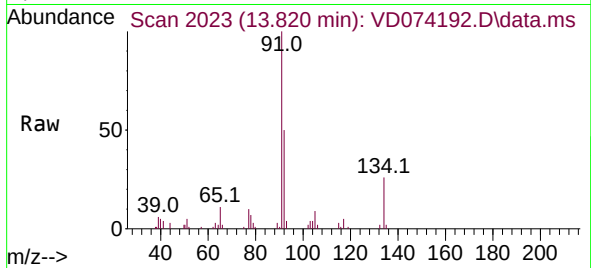




#89
n-Butylbenzene
Concen: 3.634 ug/l
RT: 13.820 min Scan# 2069
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

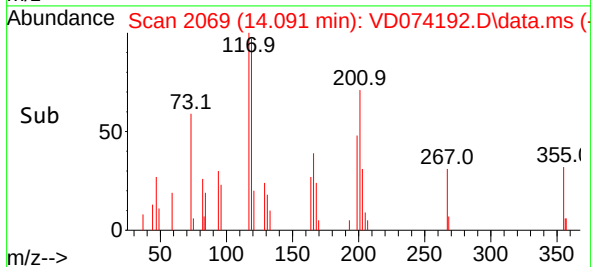
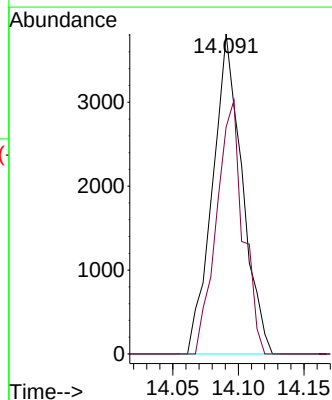
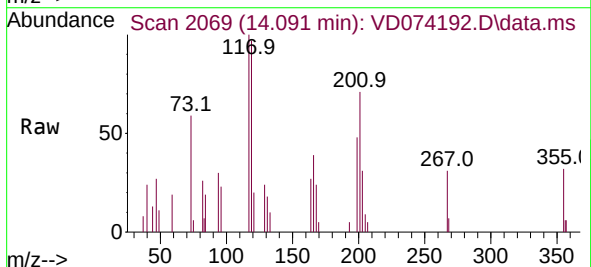
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

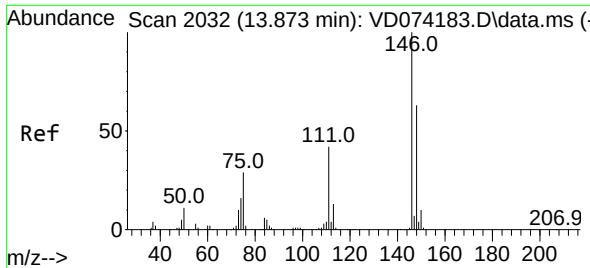
Tgt Ion: 91 Resp: 26710
Ion Ratio Lower Upper
91 100
92 51.9 26.6 79.8
134 25.4 12.3 36.9



#90
Hexachloroethane
Concen: 3.814 ug/l
RT: 14.091 min Scan# 2069
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion: 117 Resp: 6001
Ion Ratio Lower Upper
117 100
201 70.7 33.4 100.2

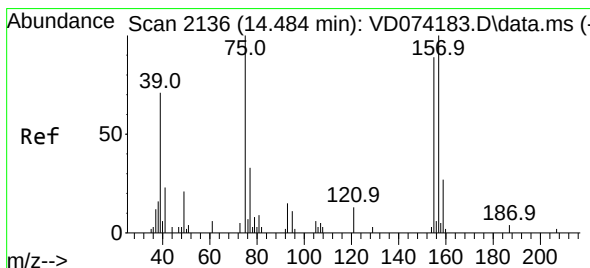
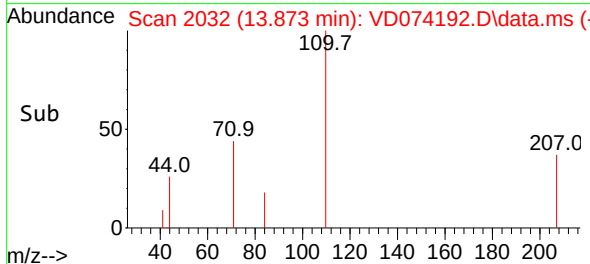
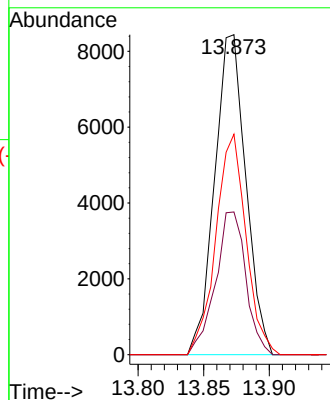
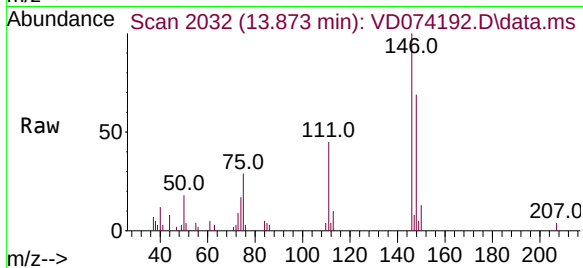




#91
1,2-Dichlorobenzene
Concen: 3.901 ug/l
RT: 13.873 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

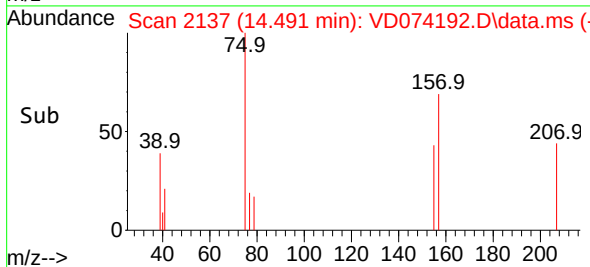
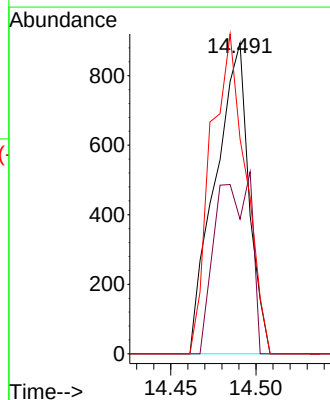
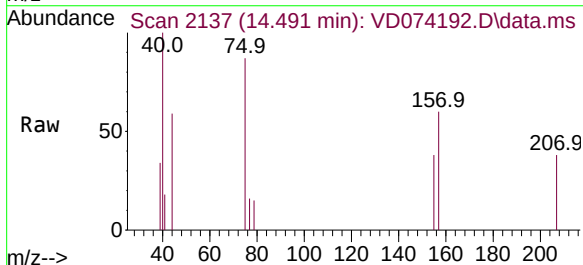
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT3-2022

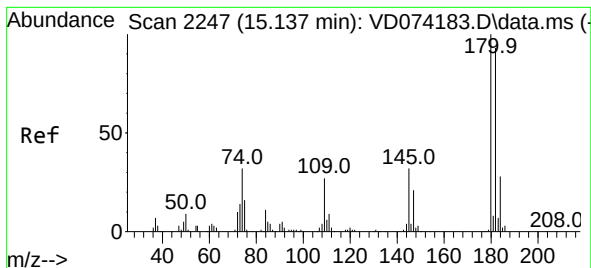
Tgt Ion:	146	Resp:	13969
Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.1	63.3
148	66.6	31.7	95.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.900 ug/l
RT: 14.491 min Scan# 2137
Delta R.T. 0.007 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion:	75	Resp:	1231
Ion	Ratio	Lower	Upper
75	100		
155	60.8	36.8	110.3
157	105.6	48.4	145.0





#93

1,2,4-Trichlorobenzene

Concen: 3.845 ug/l

RT: 15.132 min Scan# 2247

Delta R.T. -0.005 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT3-2022

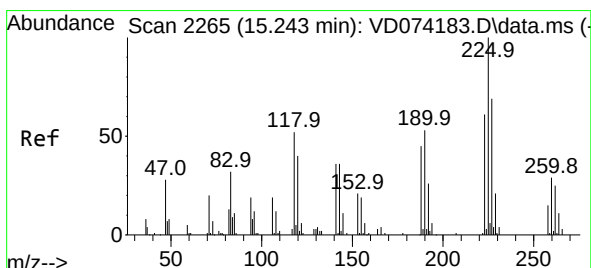
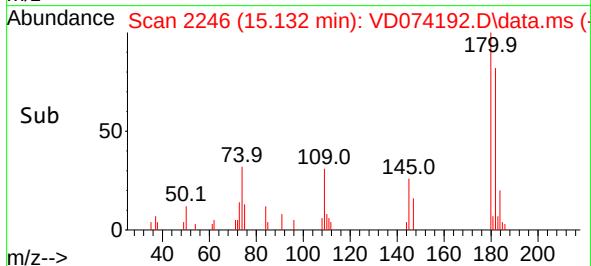
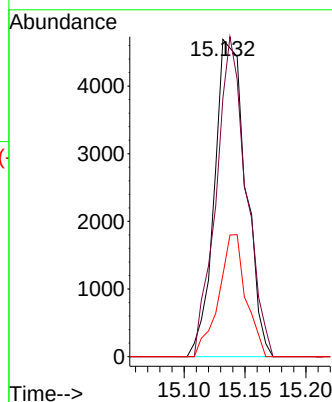
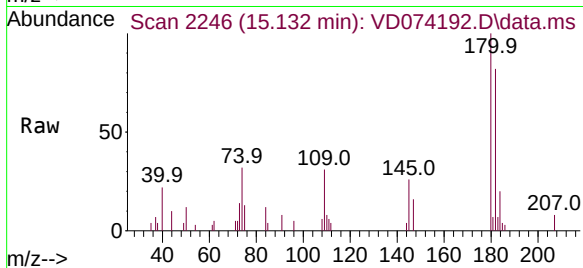
Tgt Ion:180 Resp: 8403

Ion Ratio Lower Upper

180 100

182 96.3 47.3 142.0

145 33.4 16.2 48.5



#94

Hexachlorobutadiene

Concen: 3.708 ug/l

RT: 15.244 min Scan# 2265

Delta R.T. 0.001 min

Lab File: VD074192.D

Acq: 23 Aug 2022 18:45

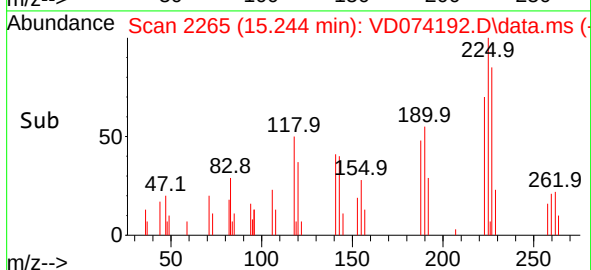
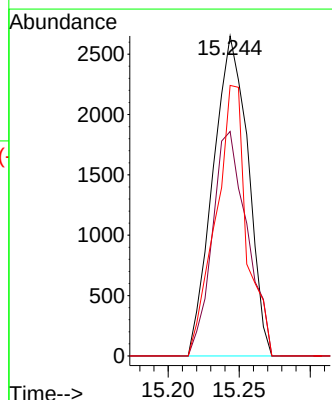
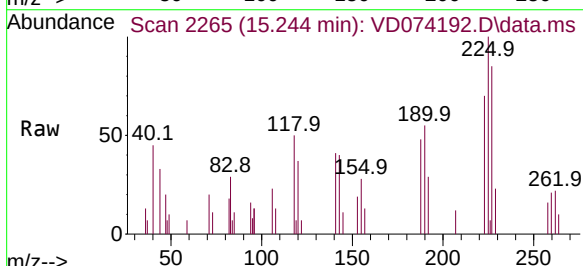
Tgt Ion:225 Resp: 4547

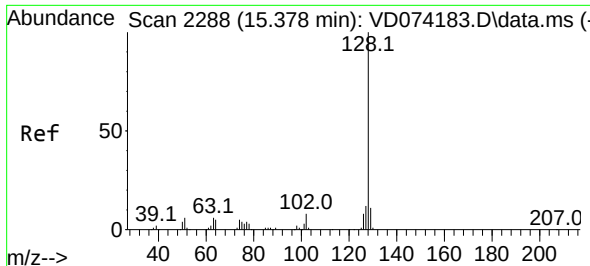
Ion Ratio Lower Upper

225 100

223 69.7 31.1 93.2

227 75.0 32.4 97.0

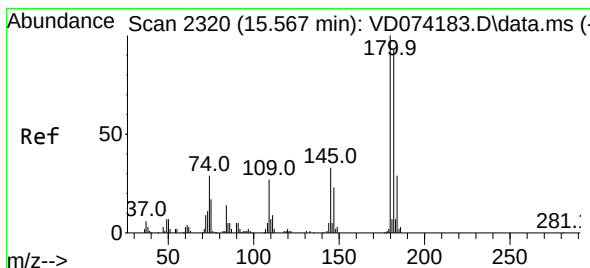
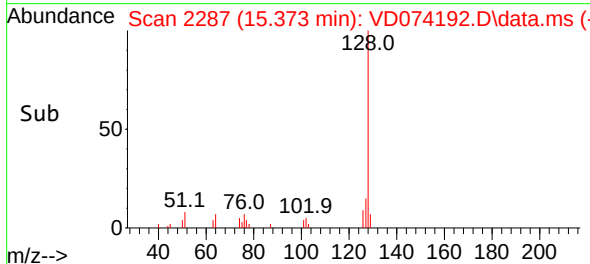
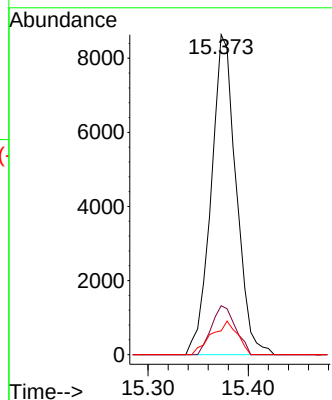
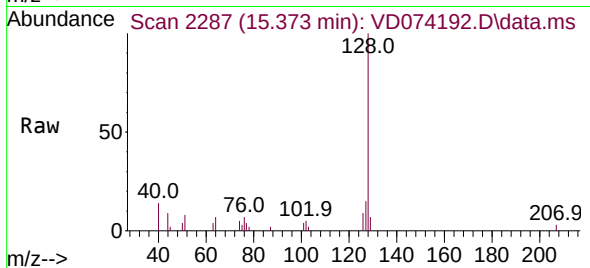




#95
Naphthalene
Concen: 3.776 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.005 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

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

Tgt Ion:128	Resp:	14934
Ion Ratio	Lower	Upper
128	100	
127	14.7	10.3 15.5
129	10.8	8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 4.039 ug/l
RT: 15.567 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VD074192.D
Acq: 23 Aug 2022 18:45

Tgt Ion:180	Resp:	7697
Ion Ratio	Lower	Upper
180	100	
182	82.7	47.6 142.9
145	33.1	17.1 51.3

