

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012624\
 Data File : VY017116.D
 Acq On : 26 Jan 2024 13:10
 Operator : SY/MD
 Sample : P1187-03 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Jan 29 05:22:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012424S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 05:22:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	114525	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	203488	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	170800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71551	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	65977	59.128	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.260%	
35) Dibromofluoromethane	7.716	113	66510	54.155	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.320%	
50) Toluene-d8	10.179	98	251288	54.172	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.340%	
62) 4-Bromofluorobenzene	12.483	95	73596	51.503	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.000%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.906	85	2596	2.609	ug/l	97
3) Chloromethane	2.113	50	4887	2.927	ug/l	97
4) Vinyl Chloride	2.247	62	6071	3.181	ug/l	100
5) Bromomethane	2.650	94	4567	3.212	ug/l	98
6) Chloroethane	2.790	64	3810	3.116	ug/l	91
7) Trichlorofluoromethane	3.125	101	5742	2.596	ug/l	95
8) Diethyl Ether	3.528	74	1546	2.343	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.899	101	3424	2.673	ug/l	99
10) Methyl Iodide	4.095	142	2688	2.209	ug/l #	95
11) Tert butyl alcohol	4.942	59	2241	26.503	ug/l #	75
12) 1,1-Dichloroethene	3.875	96	2969	2.532	ug/l	93
13) Acrolein	3.735	56	1618	12.091	ug/l	99
14) Allyl chloride	4.479	41	4358	2.459	ug/l	97
15) Acrylonitrile	5.149	53	3467	12.106	ug/l #	88
16) Acetone	3.948	43	4523	12.497	ug/l	91
17) Carbon Disulfide	4.198	76	9269	2.623	ug/l #	89
18) Methyl Acetate	4.479	43	2519	2.201	ug/l	92
19) Methyl tert-butyl Ether	5.222	73	6158	2.152	ug/l #	88
20) Methylene Chloride	4.716	84	7961	5.178	ug/l	95
21) trans-1,2-Dichloroethene	5.216	96	3373	2.487	ug/l	83
22) Diisopropyl ether	6.119	45	8393	2.145	ug/l	97
23) Vinyl Acetate	6.058	43	20879	11.002	ug/l	100
24) 1,1-Dichloroethane	6.009	63	6004	2.516	ug/l #	93
25) 2-Butanone	6.990	43	4978	11.206	ug/l #	88
26) 2,2-Dichloropropane	6.978	77	5190	2.546	ug/l	89
27) cis-1,2-Dichloroethene	6.978	96	3583	2.384	ug/l	93
28) Bromochloromethane	7.332	49	2257	2.376	ug/l	94
29) Tetrahydrofuran	7.350	42	2423	10.709	ug/l	95
30) Chloroform	7.515	83	6142	2.528	ug/l	94
31) Cyclohexane	7.789	56	7443	3.376	ug/l #	51
32) 1,1,1-Trichloroethane	7.704	97	5295	2.541	ug/l	97
36) 1,1-Dichloropropene	7.917	75	5250	2.598	ug/l	94
37) Ethyl Acetate	7.070	43	2137	2.460	ug/l #	87
38) Carbon Tetrachloride	7.899	117	4726	2.387	ug/l #	93
39) Methylcyclohexane	9.185	83	5536	2.278	ug/l	88
40) Benzene	8.161	78	13876	2.365	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	826	1.778	ug/l #	79
42) 1,2-Dichloroethane	8.234	62	3919	2.576	ug/l	97
43) Isopropyl Acetate	8.271	43	3749	2.311	ug/l #	79
44) Trichloroethene	8.941	130	3627	2.410	ug/l	98
45) 1,2-Dichloropropane	9.216	63	3364	2.336	ug/l	93
46) Dibromomethane	9.301	93	1745	2.281	ug/l	99
47) Bromodichloromethane	9.496	83	4223	2.170	ug/l	95
48) Methyl methacrylate	9.295	41	1922	2.134	ug/l	96
49) 1,4-Dioxane	9.301	88	335	44.528	ug/l #	53
51) 4-Methyl-2-Pentanone	10.069	43	8368	9.698	ug/l	98
52) Toluene	10.246	92	8497	2.392	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	3688	2.075	ug/l #	76
54) cis-1,3-Dichloropropene	9.929	75	4732	2.164	ug/l #	93
55) 1,1,2-Trichloroethane	10.648	97	2341	2.190	ug/l	95
56) Ethyl methacrylate	10.508	69	1670	1.786	ug/l #	91
57) 1,3-Dichloropropane	10.795	76	4103	2.270	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.783	63	6176	9.517	ug/l	99
59) 2-Hexanone	10.837	43	6198	9.416	ug/l	96
60) Dibromochloromethane	10.984	129	2948	2.373	ug/l	95
61) 1,2-Dibromoethane	11.093	107	2197	2.262	ug/l	99
64) Tetrachloroethene	10.721	164	3183	2.674	ug/l	96
65) Chlorobenzene	11.520	112	8938	2.469	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	2982	2.256	ug/l	98
67) Ethyl Benzene	11.593	91	14391	2.187	ug/l	98
68) m/p-Xylenes	11.703	106	10763	4.354	ug/l	100
69) o-Xylene	12.032	106	4627	2.060	ug/l	96
70) Styrene	12.044	104	6179	1.895	ug/l	97
71) Bromoform	12.209	173	1501	2.264	ug/l #	98
73) Isopropylbenzene	12.331	105	12489	2.123	ug/l	99
74) N-amyl acetate	12.148	43	2472	2.085	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	2766	2.466	ug/l	97
76) 1,2,3-Trichloropropane	12.642	75	3289	3.787	ug/l #	100
77) Bromobenzene	12.617	156	3013	2.367	ug/l	98
78) n-propylbenzene	12.672	91	16964	2.398	ug/l	97
79) 2-Chlorotoluene	12.758	91	9415	2.425	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	9677	2.079	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.483	75	39263	117.040	ug/l #	12
82) 4-Chlorotoluene	12.861	91	9801	2.436	ug/l	100
83) tert-Butylbenzene	13.081	119	8729	2.168	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	9266	2.003	ug/l	94
85) sec-Butylbenzene	13.258	105	13180	2.211	ug/l	98
86) p-Isopropyltoluene	13.373	119	10377	2.089	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	6126	2.438	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	6184	2.501	ug/l	85
89) n-Butylbenzene	13.703	91	10963	2.288	ug/l	97
90) Hexachloroethane	13.971	117	2548	2.461	ug/l	94
91) 1,2-Dichlorobenzene	13.745	146	5328	2.483	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	333	2.325	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	2508	2.236	ug/l	98
94) Hexachlorobutadiene	15.117	225	1576	2.335	ug/l	93
95) Naphthalene	15.239	128	3942	1.990	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	2222	2.382	ug/l	96

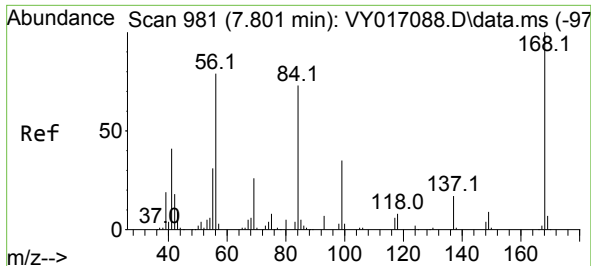
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012624\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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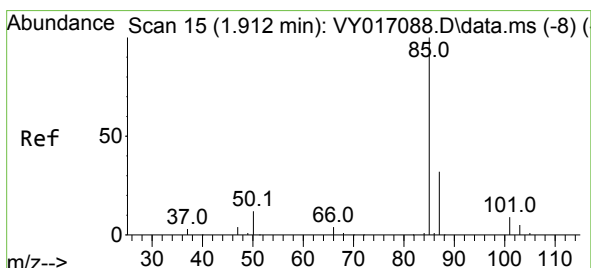
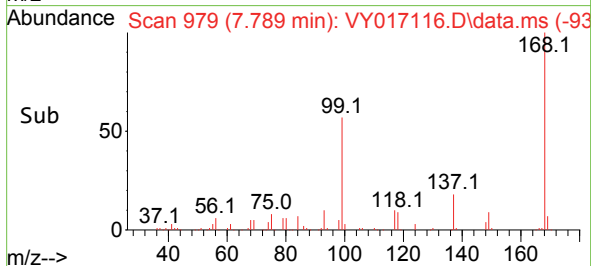
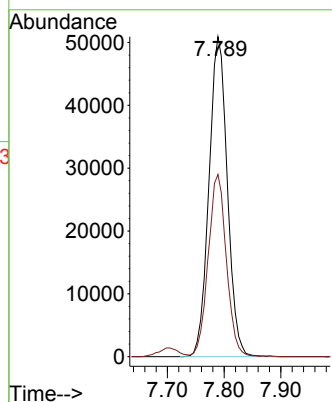
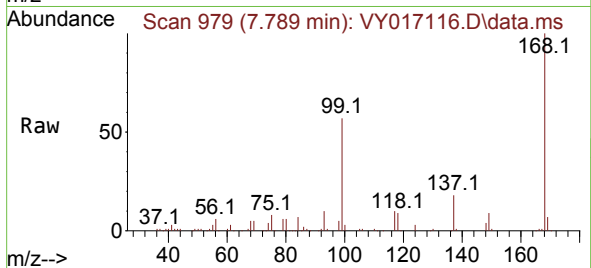
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

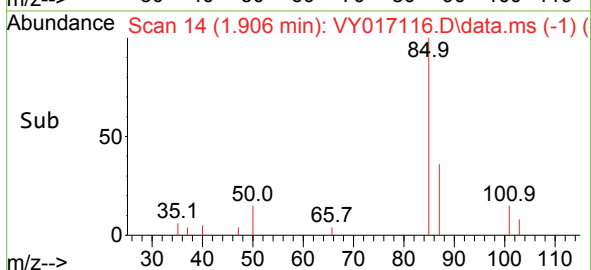
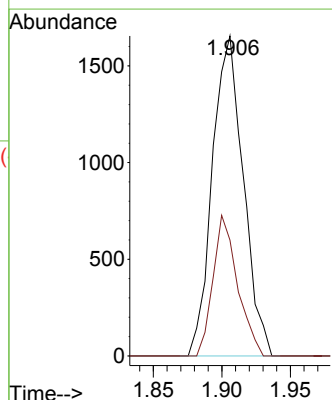
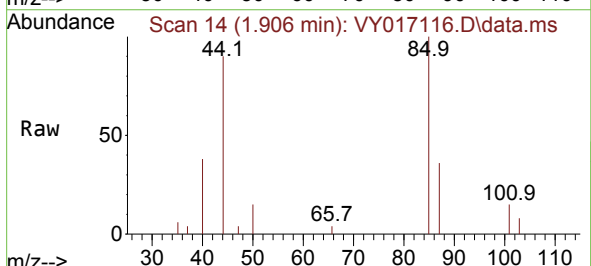
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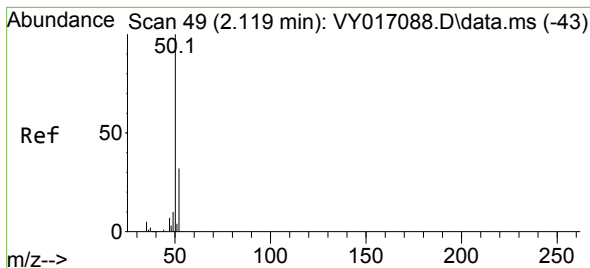
Tgt Ion:168 Resp: 114525
Ion Ratio Lower Upper
168 100
99 56.9 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 2.609 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 85 Resp: 2596
Ion Ratio Lower Upper
85 100
87 36.2 17.1 51.3





#3

Chloromethane

Concen: 2.927 ug/l

RT: 2.113 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

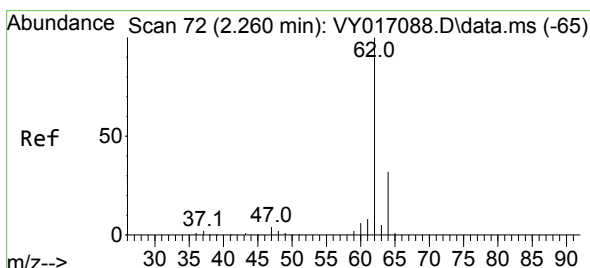
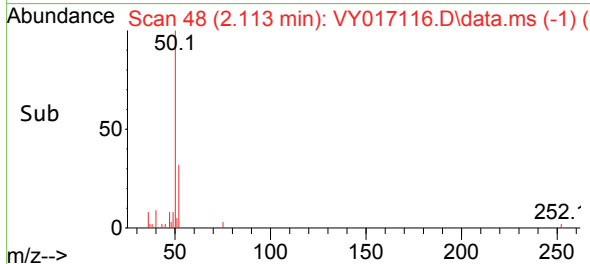
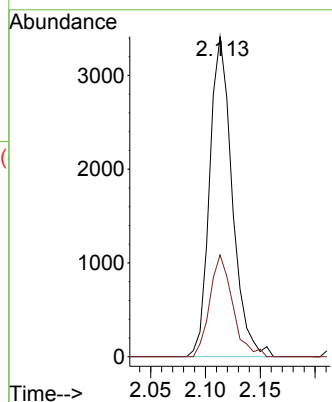
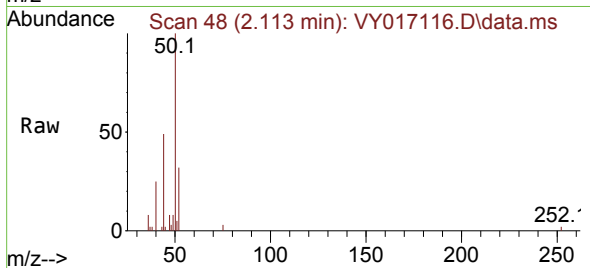
MDL-SOIL-03-QT1-2024

Tgt Ion: 50 Resp: 4887

Ion Ratio Lower Upper

50 100

52 31.8 26.7 40.1



#4

Vinyl Chloride

Concen: 3.181 ug/l

RT: 2.247 min Scan# 70

Delta R.T. -0.012 min

Lab File: VY017116.D

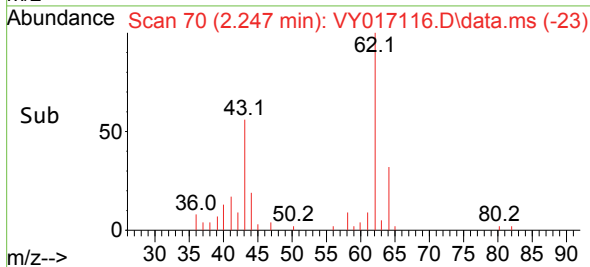
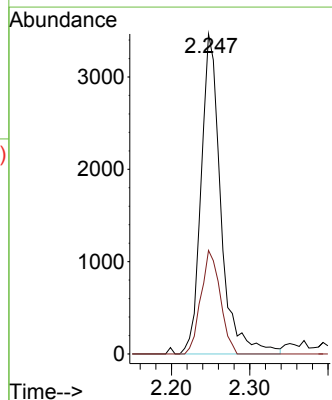
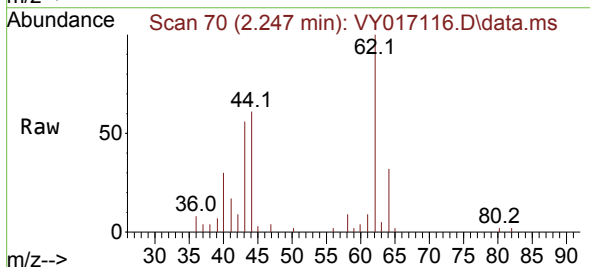
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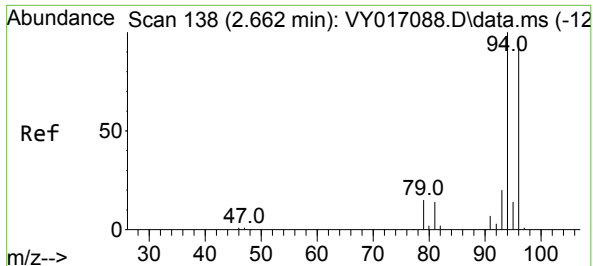
Tgt Ion: 62 Resp: 6071

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 3.212 ug/l

RT: 2.650 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

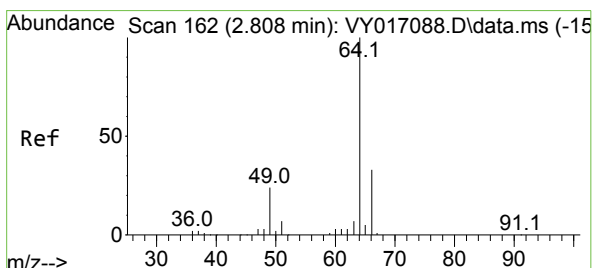
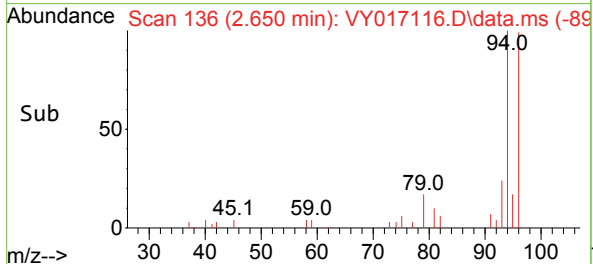
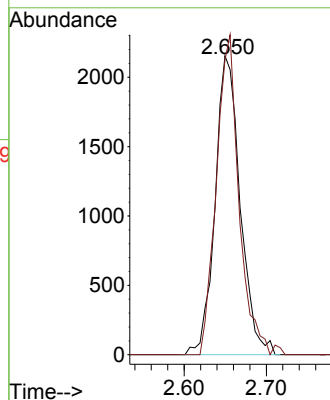
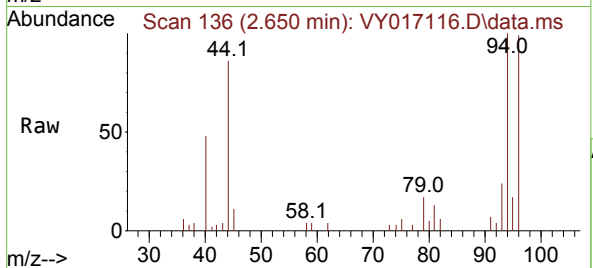
MDL-SOIL-03-QT1-2024

Tgt Ion: 94 Resp: 4567

Ion Ratio Lower Upper

94 100

96 98.7 77.3 115.9



#6

Chloroethane

Concen: 3.116 ug/l

RT: 2.790 min Scan# 159

Delta R.T. -0.018 min

Lab File: VY017116.D

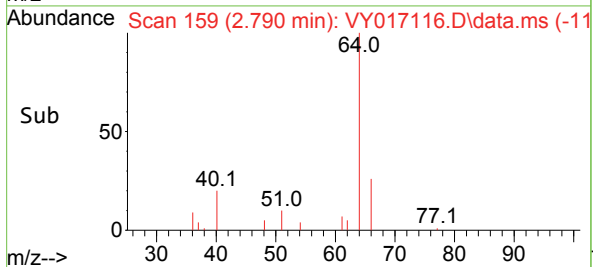
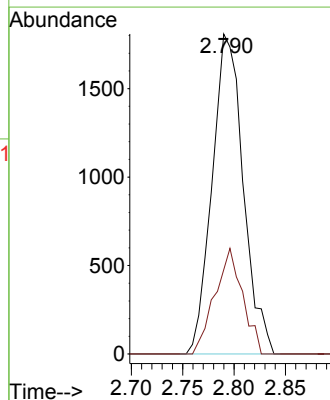
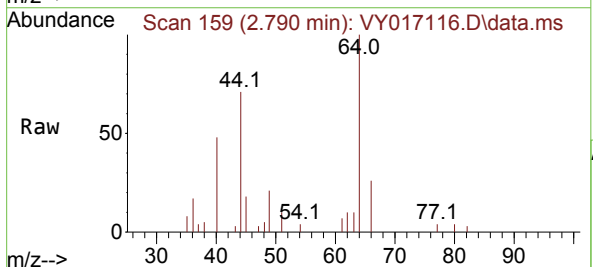
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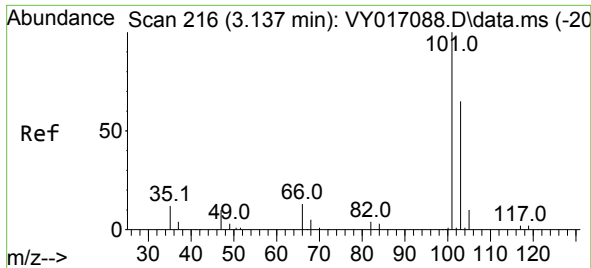
Tgt Ion: 64 Resp: 3810

Ion Ratio Lower Upper

64 100

66 26.3 25.1 37.7

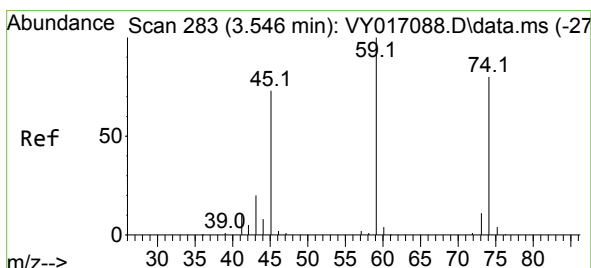
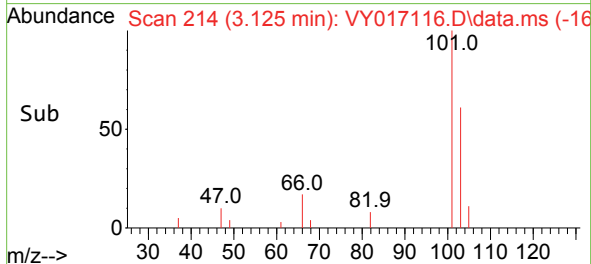
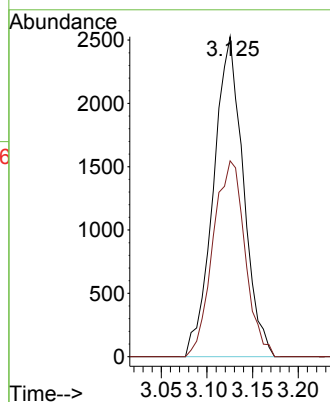
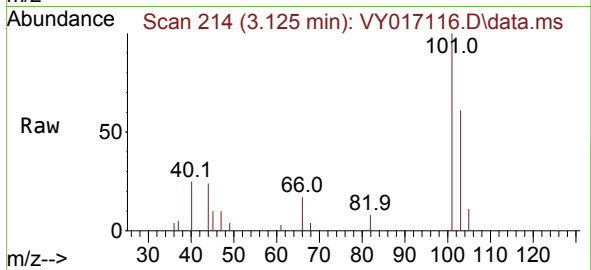




#7
Trichlorofluoromethane
Concen: 2.596 ug/l
RT: 3.125 min Scan# 216
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

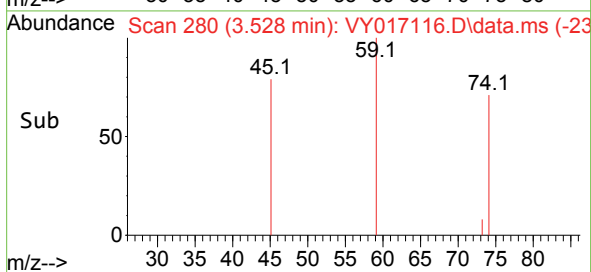
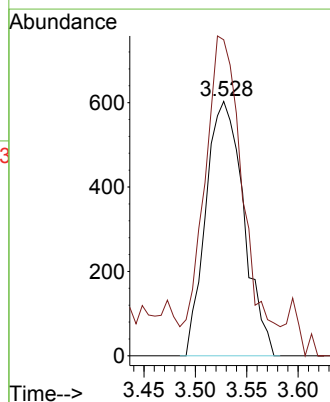
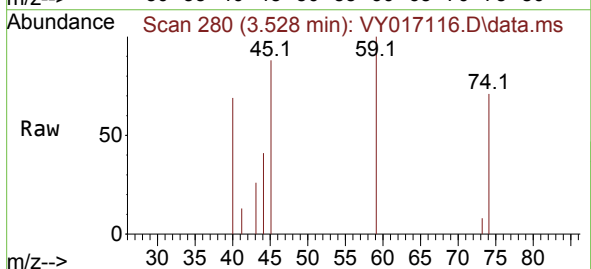
Instrument :
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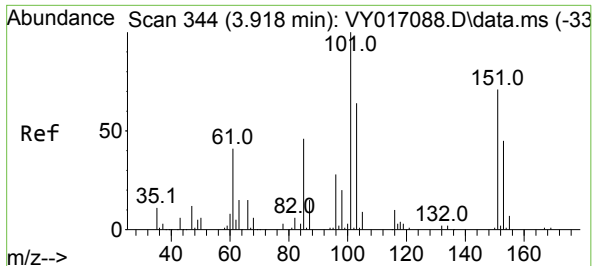
Tgt Ion:101 Resp: 5742
Ion Ratio Lower Upper
101 100
103 61.2 51.9 77.9



#8
Diethyl Ether
Concen: 2.343 ug/l
RT: 3.528 min Scan# 280
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 74 Resp: 1546
Ion Ratio Lower Upper
74 100
45 109.2 47.9 143.7

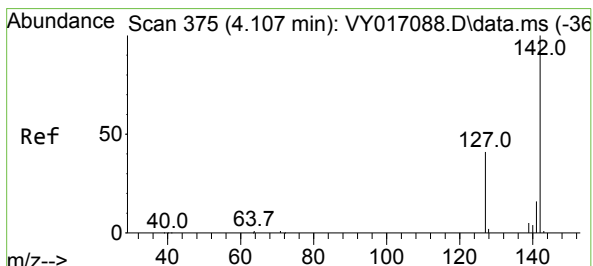
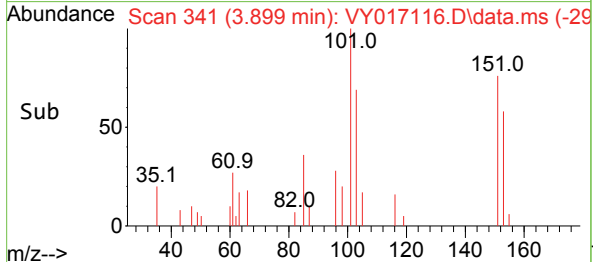
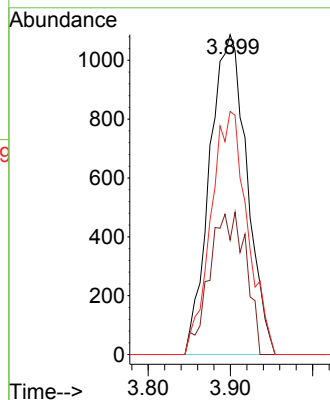
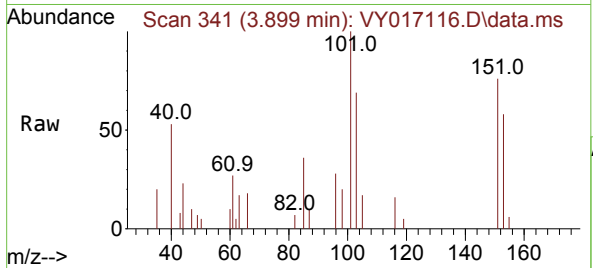




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.673 ug/l
RT: 3.899 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY017116.D
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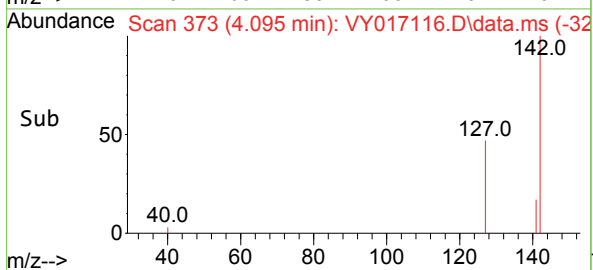
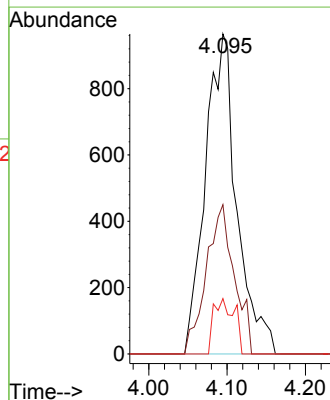
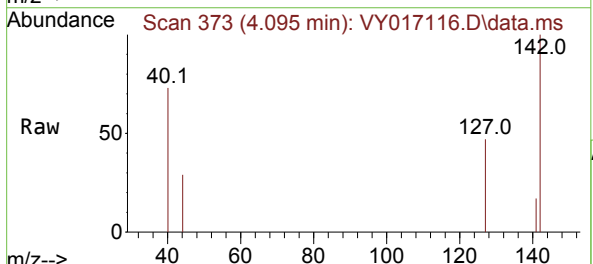
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

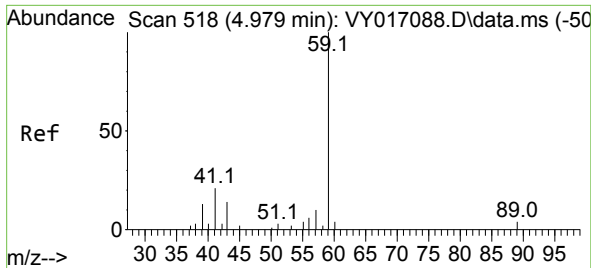
Tgt Ion:101 Resp: 3424
Ion Ratio Lower Upper
101 100
85 43.6 35.8 53.6
151 74.3 58.6 88.0



#10
Methyl Iodide
Concen: 2.209 ug/l
RT: 4.095 min Scan# 373
Delta R.T. -0.011 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion:142 Resp: 2688
Ion Ratio Lower Upper
142 100
127 41.6 35.1 52.7
141 11.3 11.8 17.6#





#11

Tert butyl alcohol

Concen: 26.503 ug/l

RT: 4.942 min Scan# 518

Delta R.T. -0.024 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

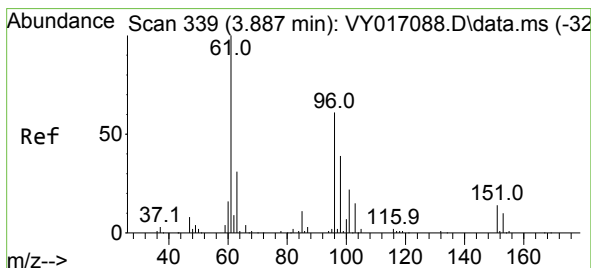
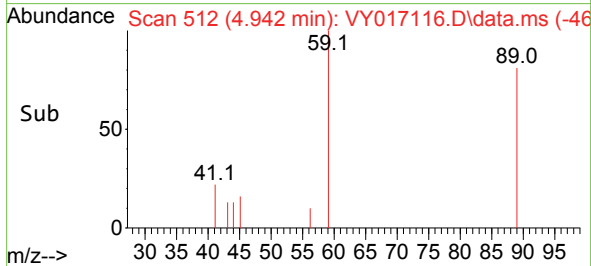
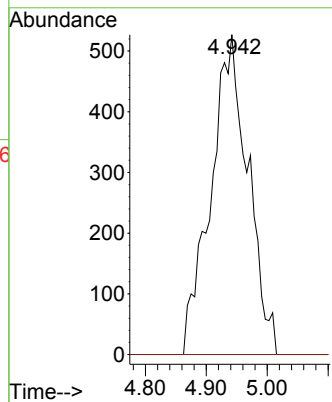
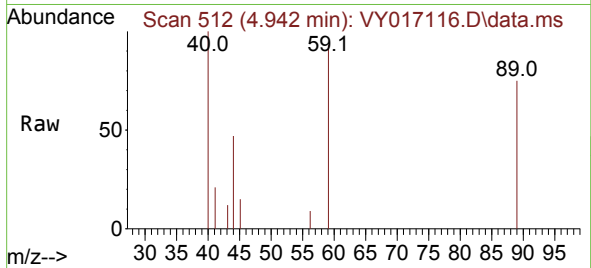
MDL-SOIL-03-QT1-2024

Tgt Ion: 59 Resp: 2241

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.0#



#12

1,1-Dichloroethene

Concen: 2.532 ug/l

RT: 3.875 min Scan# 337

Delta R.T. -0.012 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

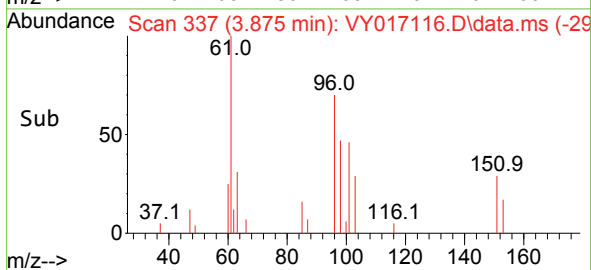
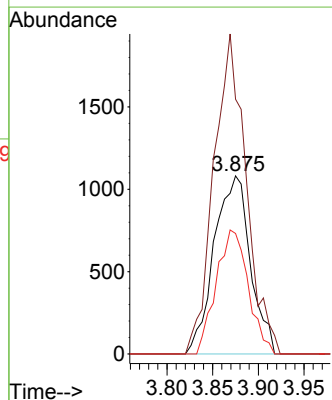
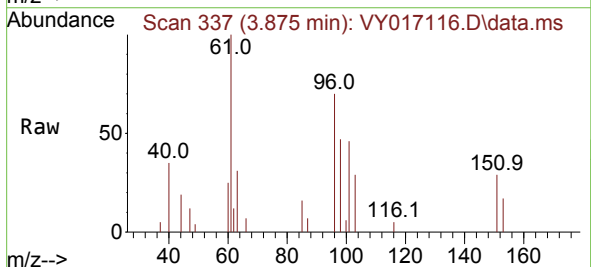
Tgt Ion: 96 Resp: 2969

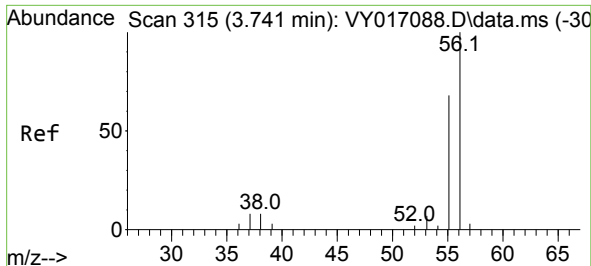
Ion Ratio Lower Upper

96 100

61 143.1 124.2 186.2

98 67.7 52.6 79.0





#13

Acrolein

Concen: 12.091 ug/l

RT: 3.735 min Scan# 315

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

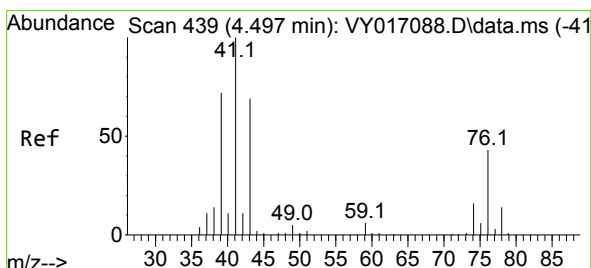
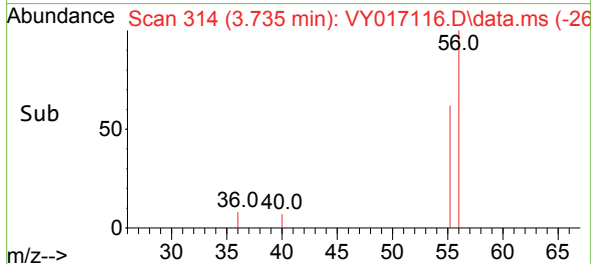
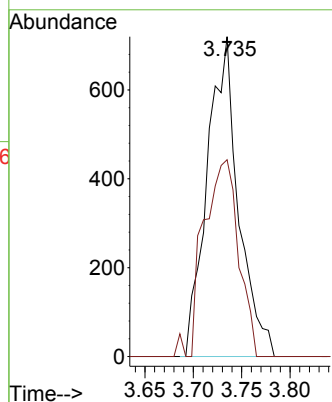
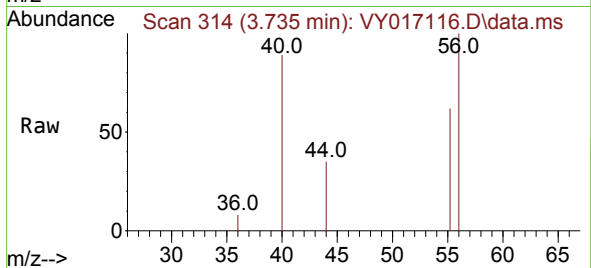
MDL-SOIL-03-QT1-2024

Tgt Ion: 56 Resp: 1618

Ion Ratio Lower Upper

56 100

55 68.7 55.4 83.0



#14

Allyl chloride

Concen: 2.459 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.018 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

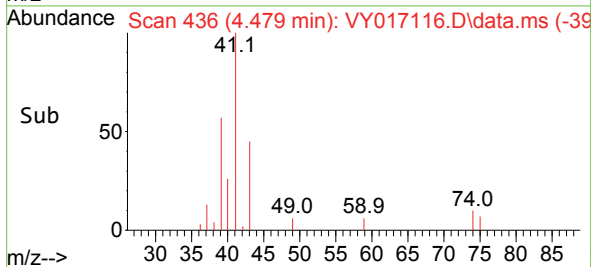
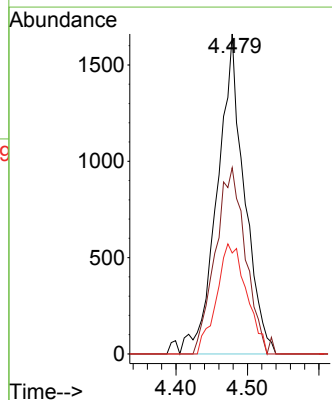
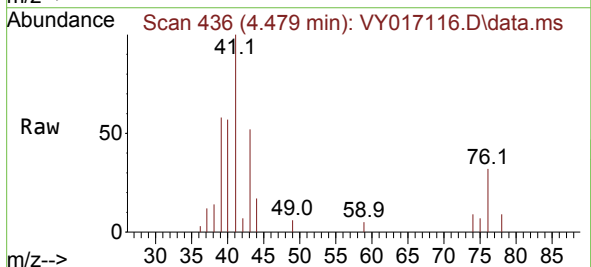
Tgt Ion: 41 Resp: 4358

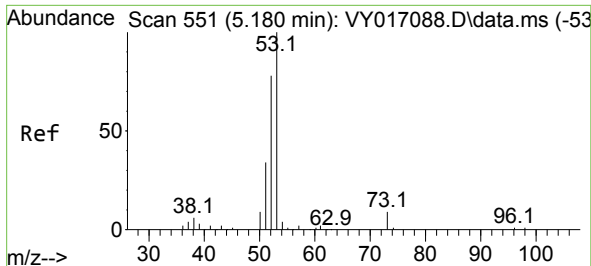
Ion Ratio Lower Upper

41 100

39 65.3 54.7 82.1

76 38.1 31.8 47.6





#15

Acrylonitrile

Concen: 12.106 ug/l

RT: 5.149 min Scan# 54

Delta R.T. -0.030 min

Lab File: VY017116.D

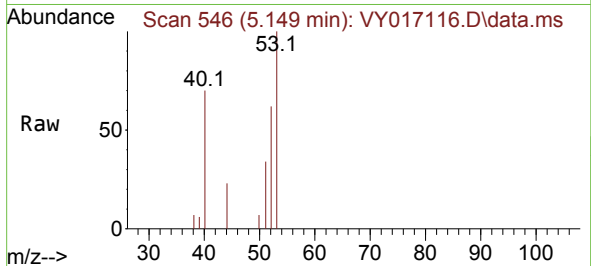
Acq: 26 Jan 2024 13:10

Instrument :

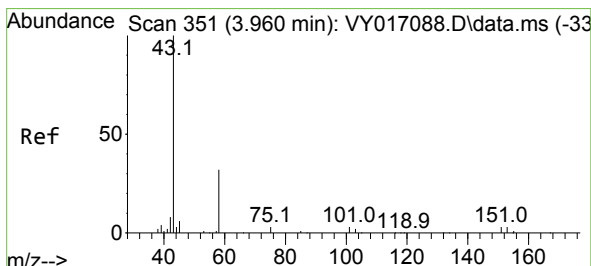
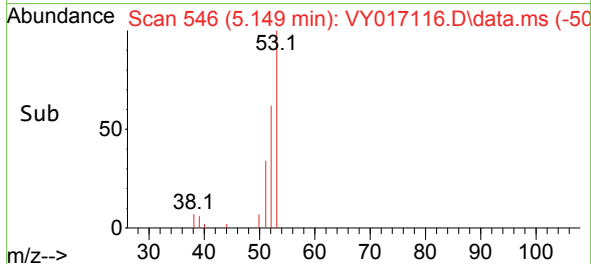
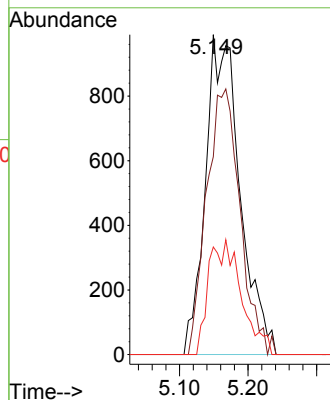
MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024



Tgt Ion:	53	Resp:	3467
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.1	97.7
51	15.0	29.0	43.4#



#16

Acetone

Concen: 12.497 ug/l

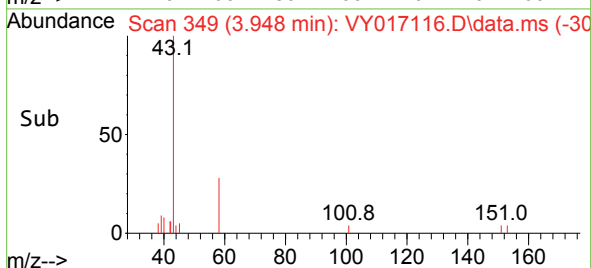
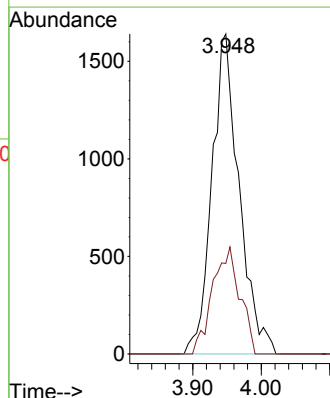
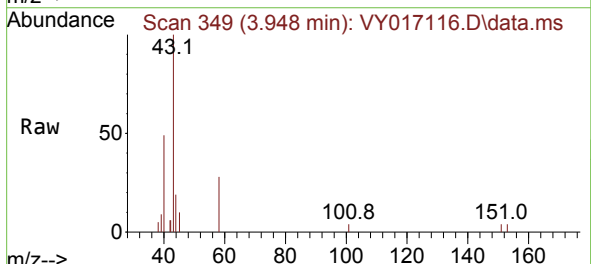
RT: 3.948 min Scan# 349

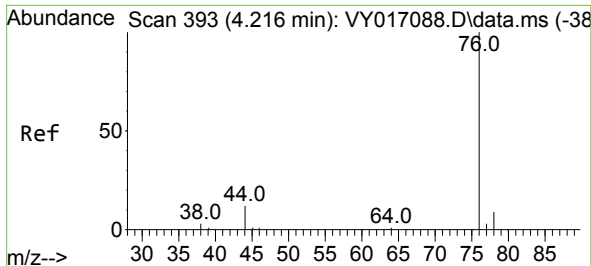
Delta R.T. -0.012 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Tgt Ion:	43	Resp:	4523
Ion	Ratio	Lower	Upper
43	100		
58	28.3	26.6	39.8





#17

Carbon Disulfide

Concen: 2.623 ug/l

RT: 4.198 min Scan# 393

Delta R.T. -0.012 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

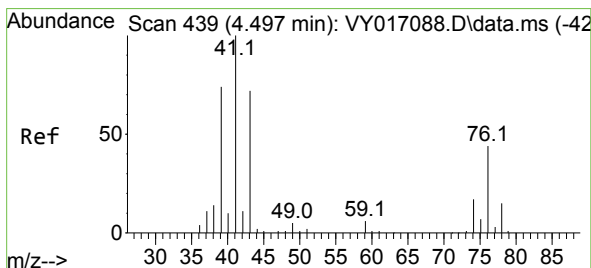
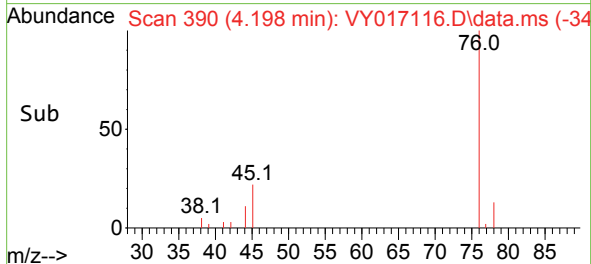
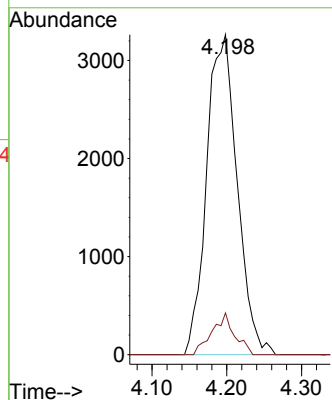
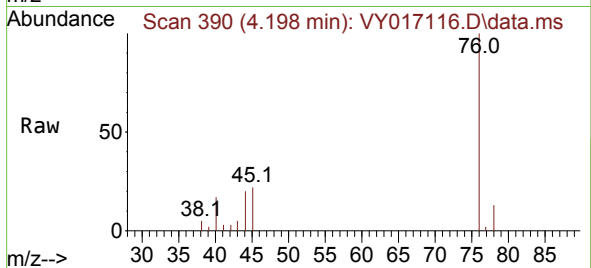
MDL-SOIL-03-QT1-2024

Tgt Ion: 76 Resp: 9269

Ion Ratio Lower Upper

76 100

78 13.0 7.4 11.0#



#18

Methyl Acetate

Concen: 2.201 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.018 min

Lab File: VY017116.D

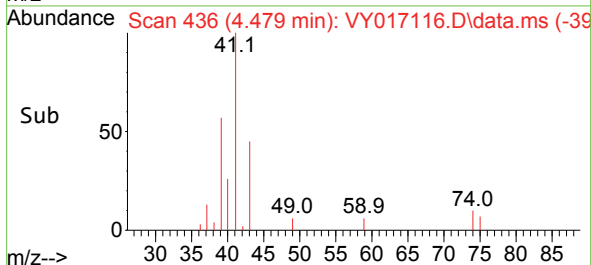
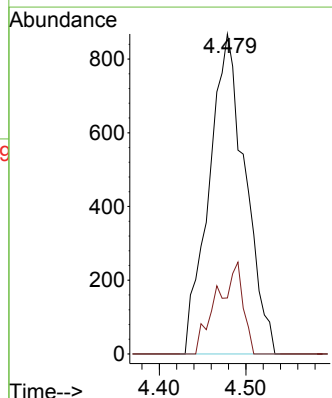
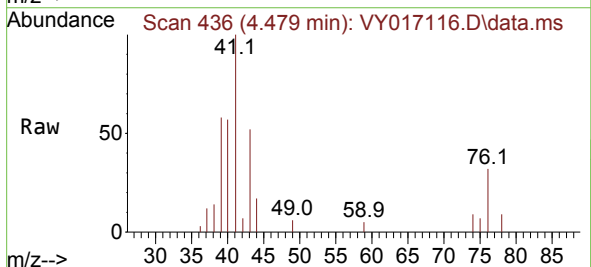
Acq: 26 Jan 2024 13:10

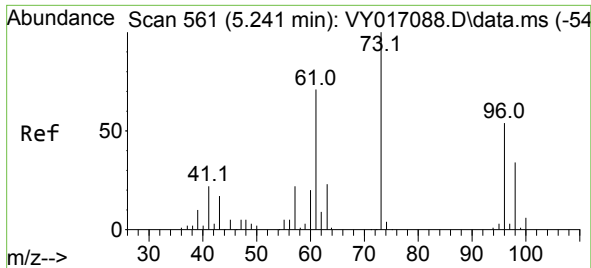
Tgt Ion: 43 Resp: 2519

Ion Ratio Lower Upper

43 100

74 20.6 19.8 29.6

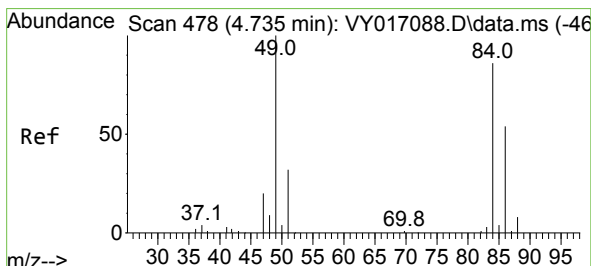
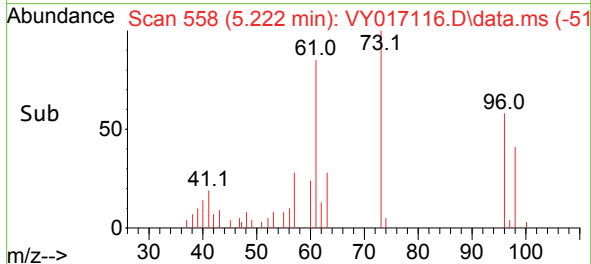
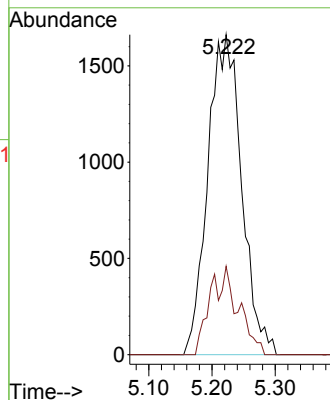
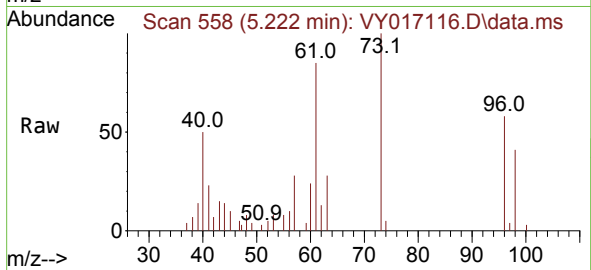




#19
Methyl tert-butyl Ether
Concen: 2.152 ug/l
RT: 5.222 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

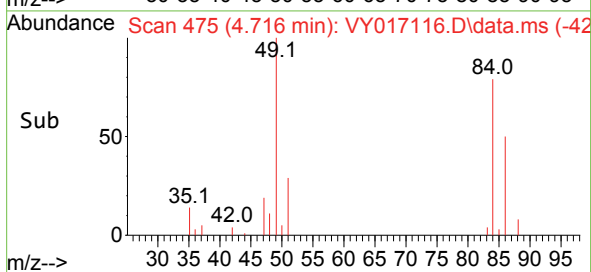
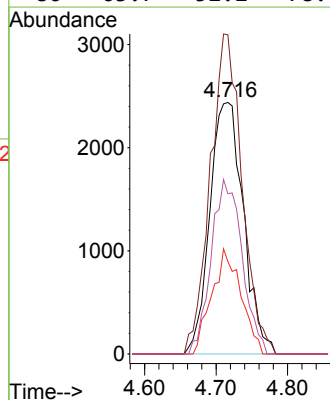
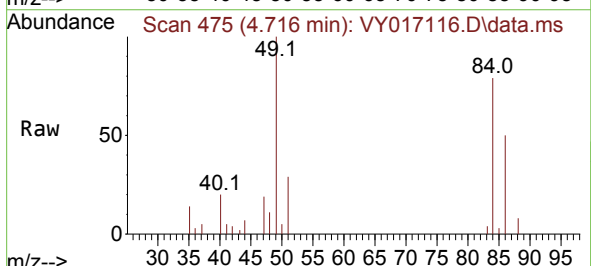
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

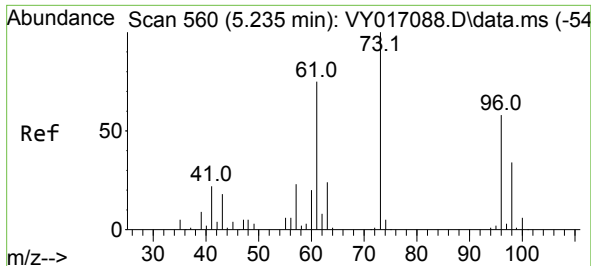
Tgt Ion: 73 Resp: 6158
Ion Ratio Lower Upper
73 100
57 27.6 17.7 26.5#



#20
Methylene Chloride
Concen: 5.178 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.018 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 84 Resp: 7961
Ion Ratio Lower Upper
84 100
49 126.9 95.2 142.8
51 36.8 29.9 44.9
86 63.7 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 2.487 ug/l

RT: 5.216 min Scan# 51

Delta R.T. -0.024 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

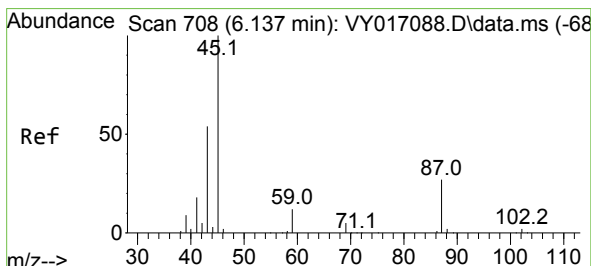
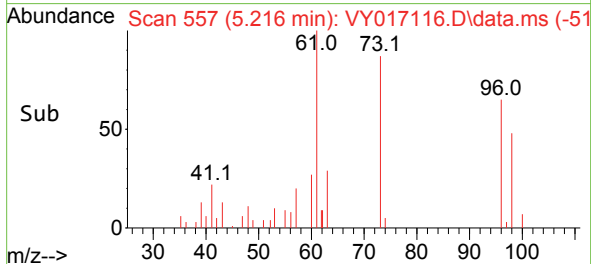
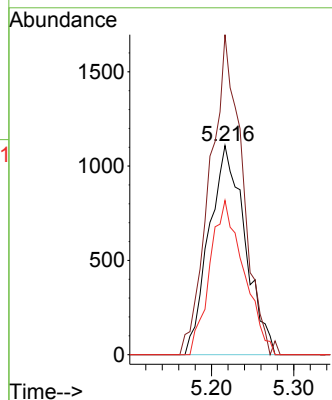
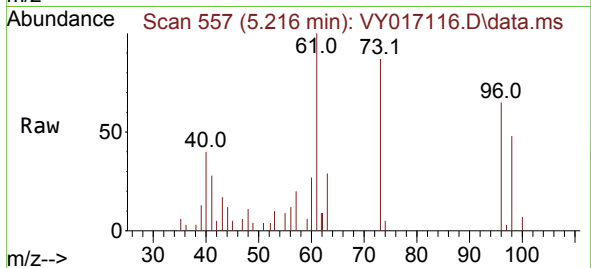
Tgt Ion: 96 Resp: 3373

Ion Ratio Lower Upper

96 100

61 153.0 104.6 156.8

98 73.8 50.9 76.3



#22

Diisopropyl ether

Concen: 2.145 ug/l

RT: 6.119 min Scan# 705

Delta R.T. -0.012 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Tgt Ion: 45 Resp: 8393

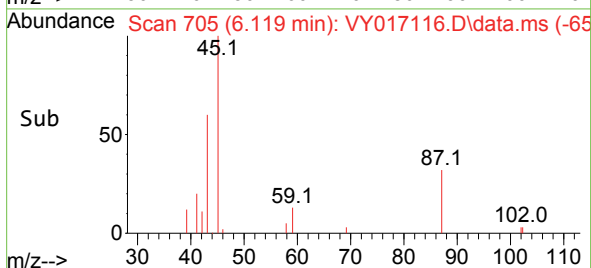
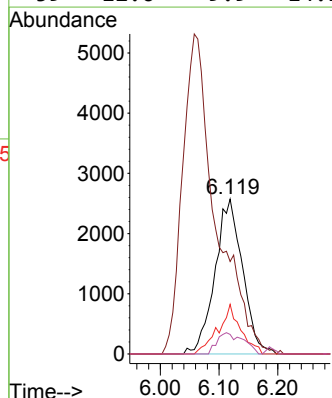
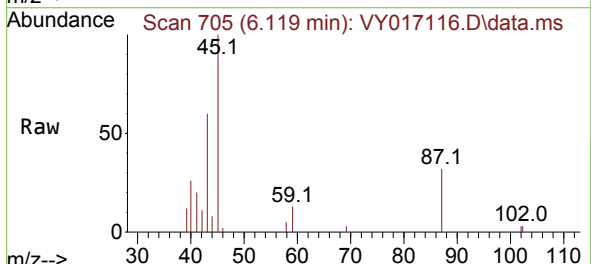
Ion Ratio Lower Upper

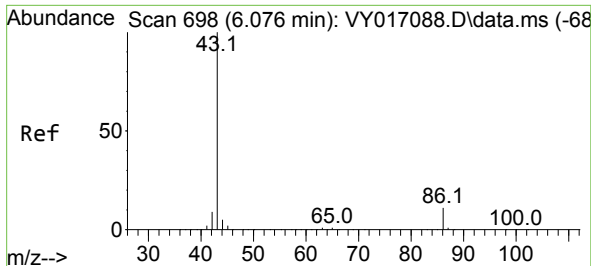
45 100

43 57.5 46.8 70.2

87 32.0 22.2 33.2

59 12.6 9.9 14.9

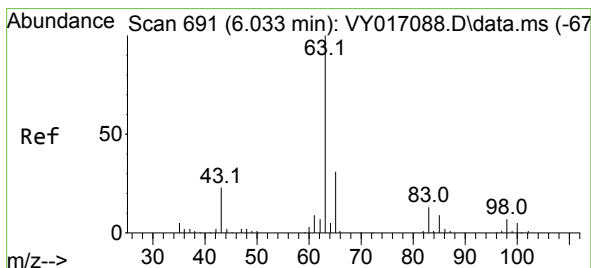
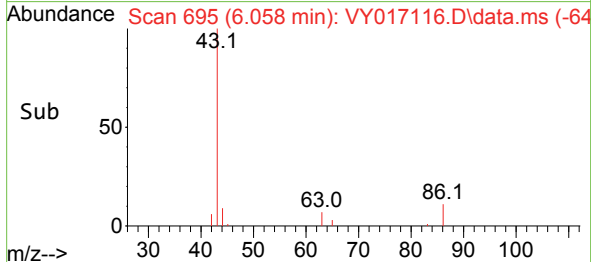
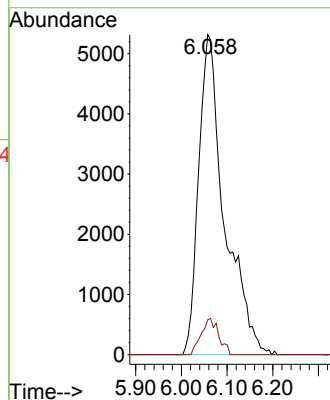
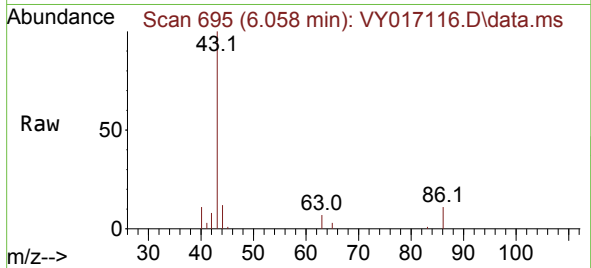




#23
 Vinyl Acetate
 Concen: 11.002 ug/l
 RT: 6.058 min Scan# 61
 Delta R.T. -0.018 min
 Lab File: VY017116.D
 Acq: 26 Jan 2024 13:10

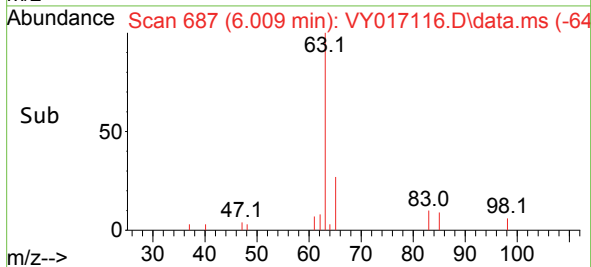
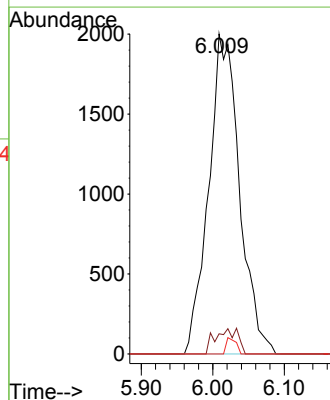
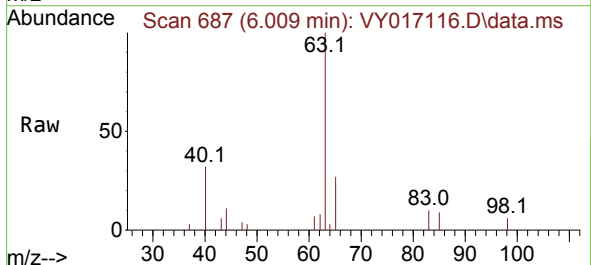
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

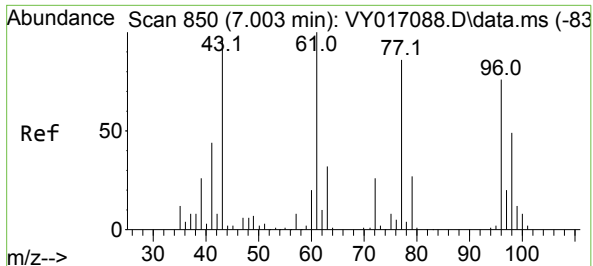
Tgt Ion: 43 Resp: 20879
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 2.516 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.024 min
 Lab File: VY017116.D
 Acq: 26 Jan 2024 13:10

Tgt Ion: 63 Resp: 6004
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.8 11.4
 100 0.0 2.1 6.2#





#25

2-Butanone

Concen: 11.206 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

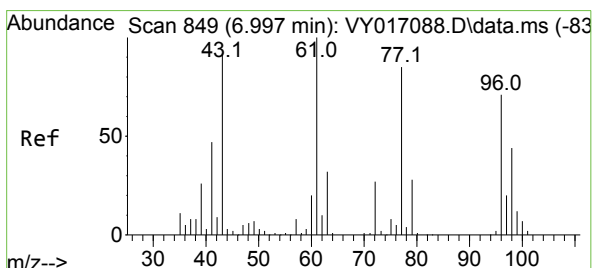
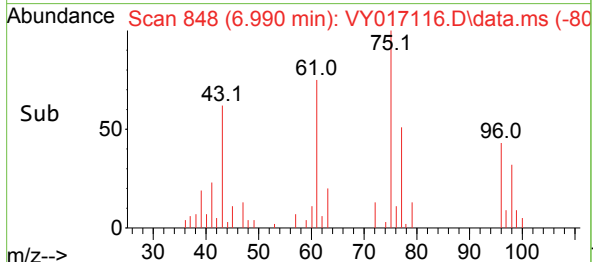
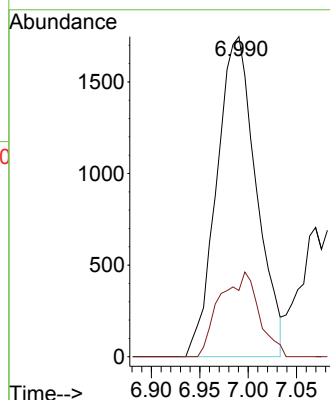
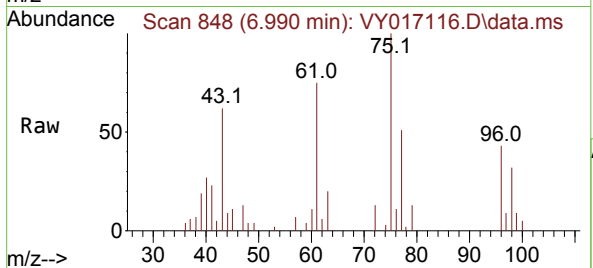
MDL-SOIL-03-QT1-2024

Tgt Ion: 43 Resp: 4978

Ion Ratio Lower Upper

43 100

72 20.7 21.4 32.2#



#26

2,2-Dichloropropane

Concen: 2.546 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.018 min

Lab File: VY017116.D

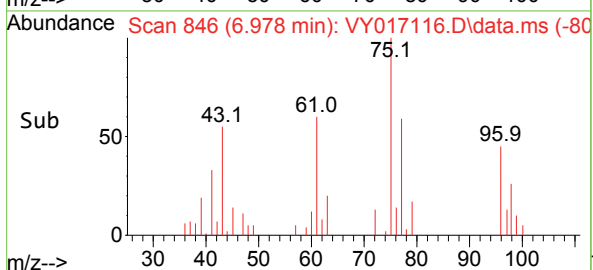
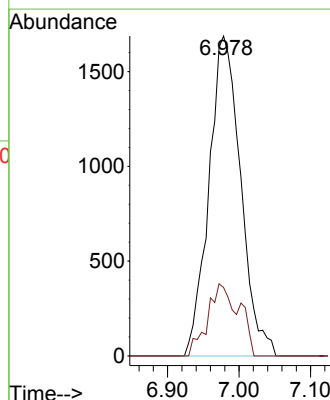
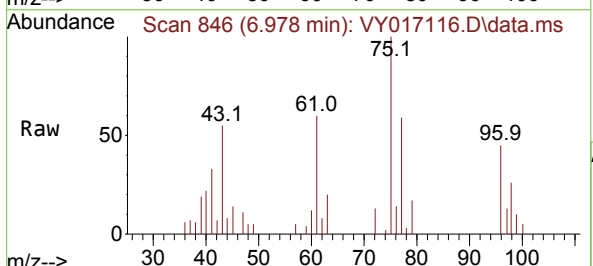
Acq: 26 Jan 2024 13:10

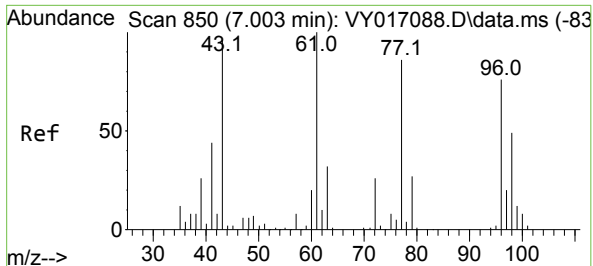
Tgt Ion: 77 Resp: 5190

Ion Ratio Lower Upper

77 100

97 17.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 2.384 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.024 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

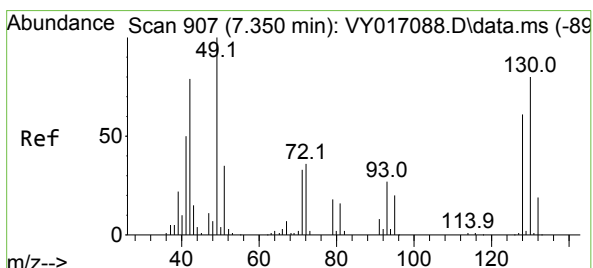
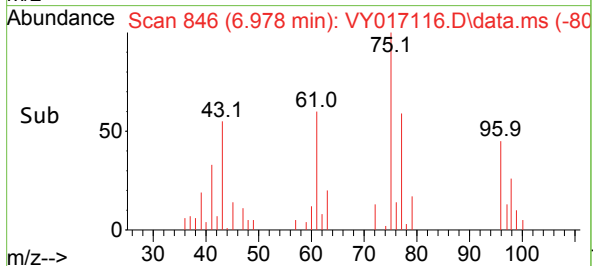
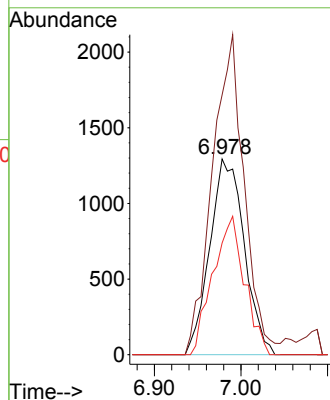
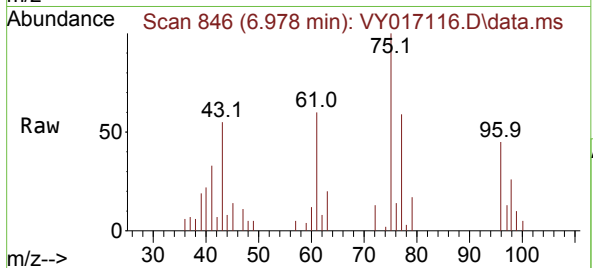
Tgt Ion: 96 Resp: 3583

Ion Ratio Lower Upper

96 100

61 151.2 0.0 278.8

98 64.9 0.0 127.0



#28

Bromochloromethane

Concen: 2.376 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.018 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

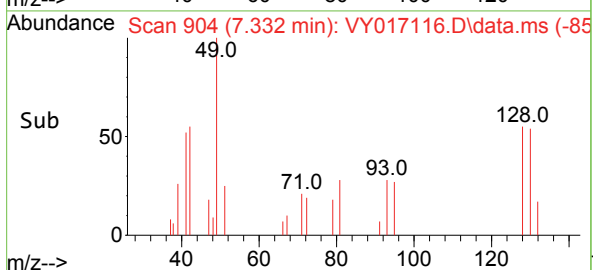
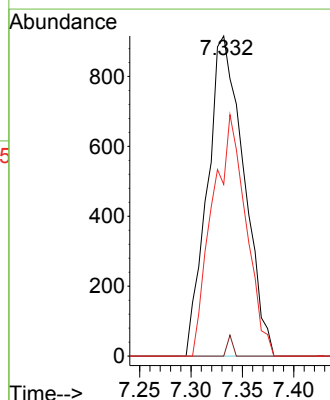
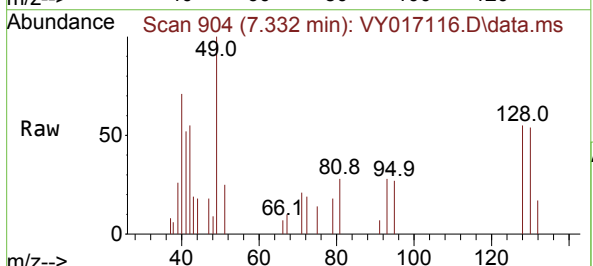
Tgt Ion: 49 Resp: 2257

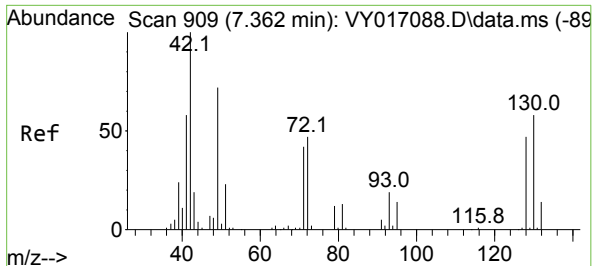
Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.8

130 69.6 59.8 89.8





#29

Tetrahydrofuran

Concen: 10.709 ug/l

RT: 7.350 min Scan# 909

Delta R.T. -0.012 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

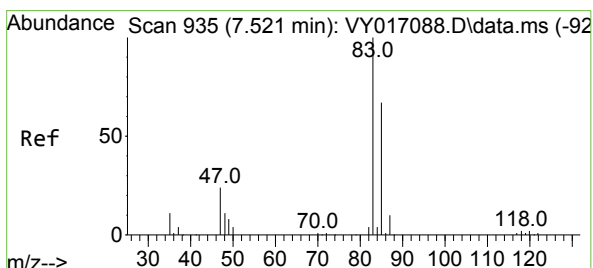
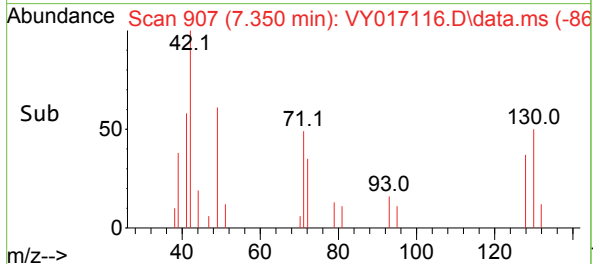
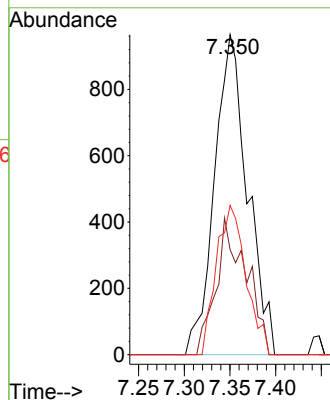
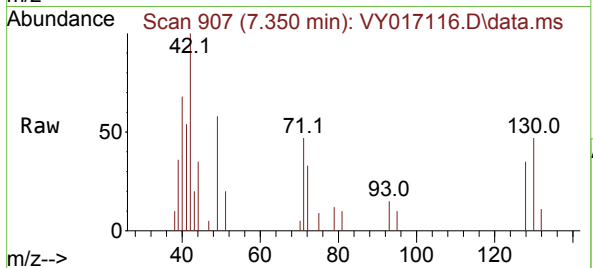
Tgt Ion: 42 Resp: 2423

Ion Ratio Lower Upper

42 100

72 39.3 36.6 54.8

71 41.8 33.8 50.6



#30

Chloroform

Concen: 2.528 ug/l

RT: 7.515 min Scan# 934

Delta R.T. -0.006 min

Lab File: VY017116.D

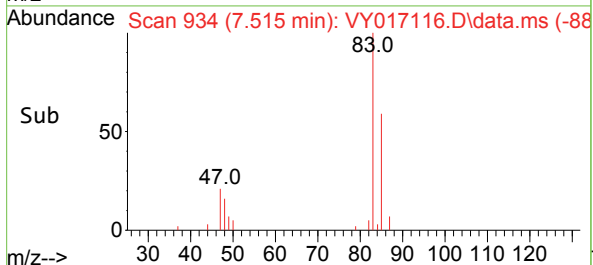
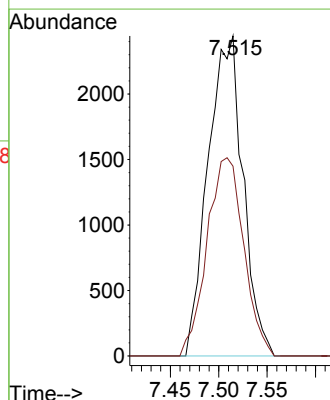
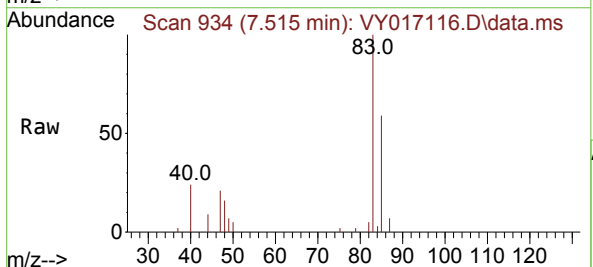
Acq: 26 Jan 2024 13:10

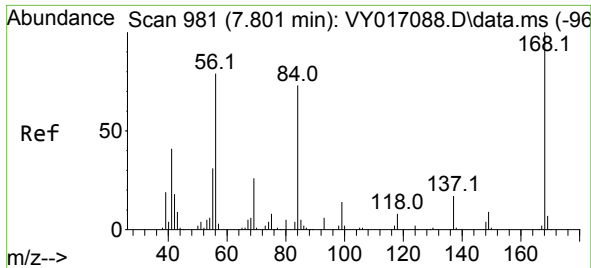
Tgt Ion: 83 Resp: 6142

Ion Ratio Lower Upper

83 100

85 59.3 51.2 76.8

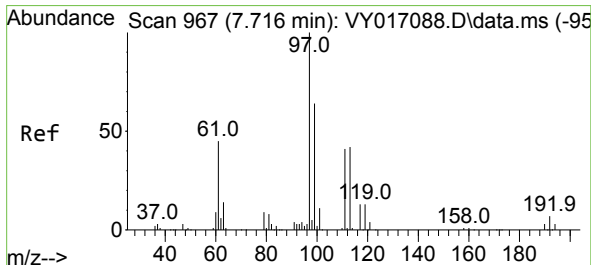
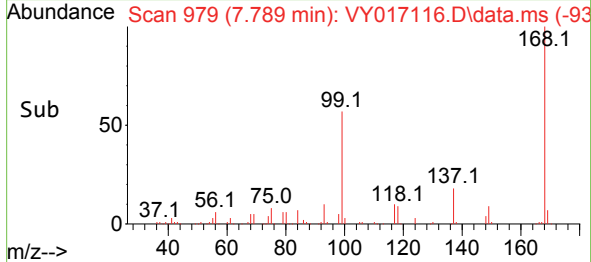
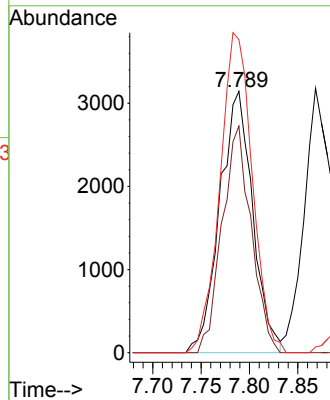
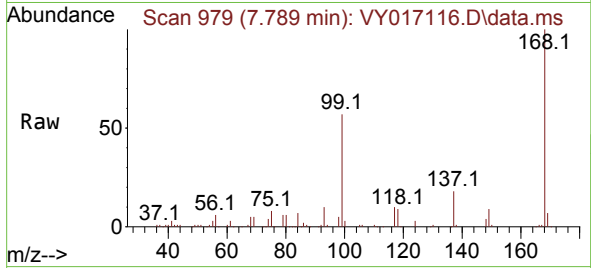




#31
Cyclohexane
Concen: 3.376 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

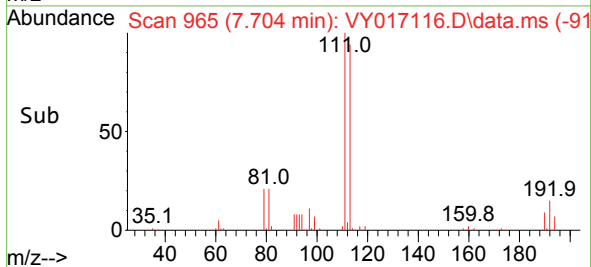
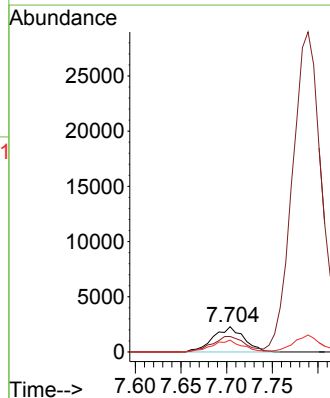
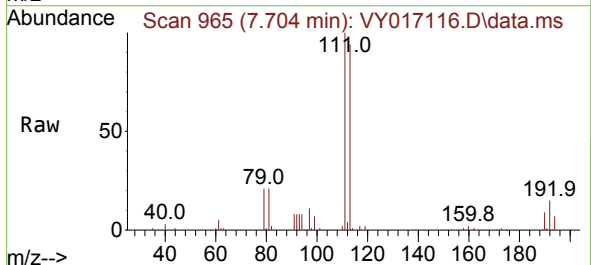
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

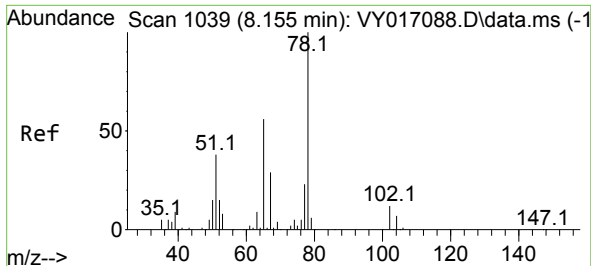
Tgt Ion: 56 Resp: 7443
Ion Ratio Lower Upper
56 100
69 86.8 27.0 40.6#
84 119.9 71.8 107.6#



#32
1,1,1-Trichloroethane
Concen: 2.541 ug/l
RT: 7.704 min Scan# 965
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 97 Resp: 5295
Ion Ratio Lower Upper
97 100
99 67.0 51.2 76.8
61 45.4 35.0 52.6

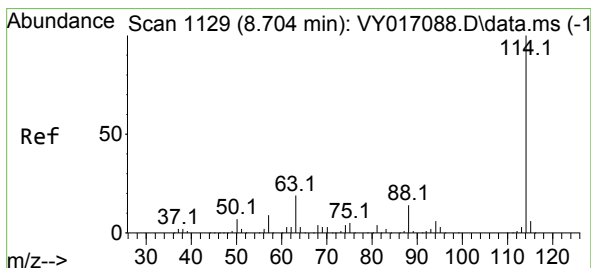
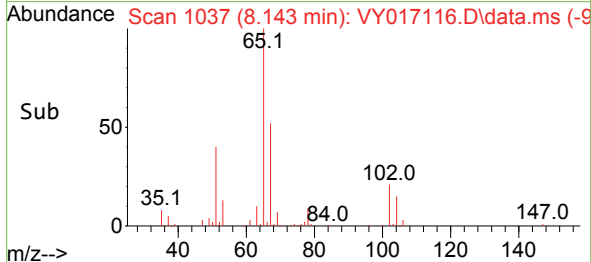
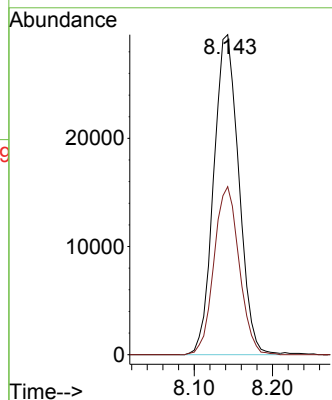
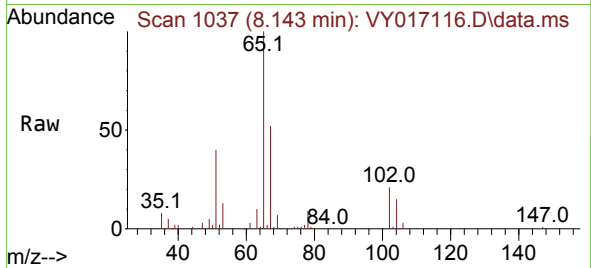




#33
 1,2-Dichloroethane-d4
 Concen: 59.128 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.012 min
 Lab File: VY017116.D
 Acq: 26 Jan 2024 13:10

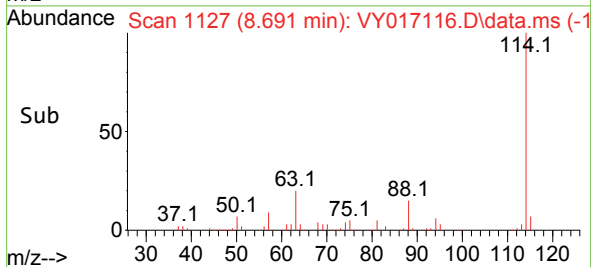
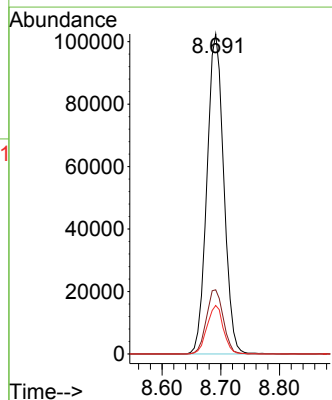
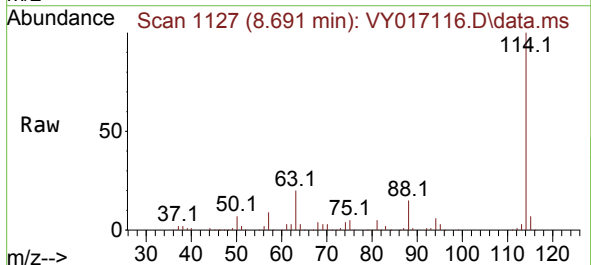
Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT1-2024

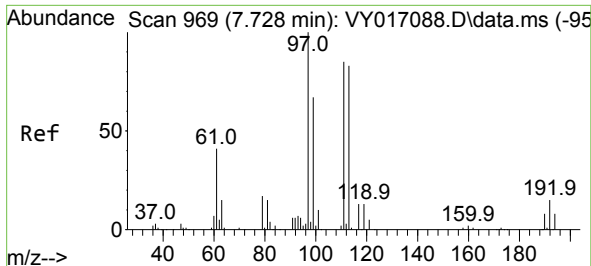
Tgt Ion: 65 Resp: 65977
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.012 min
 Lab File: VY017116.D
 Acq: 26 Jan 2024 13:10

Tgt Ion: 114 Resp: 203488
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.4
 88 15.1 0.0 29.0

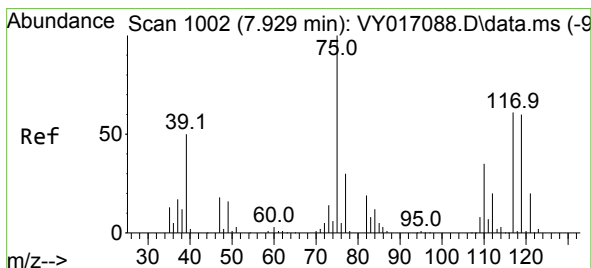
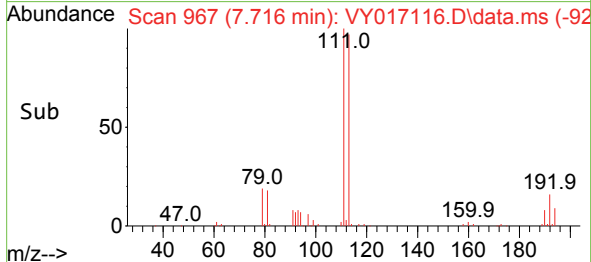
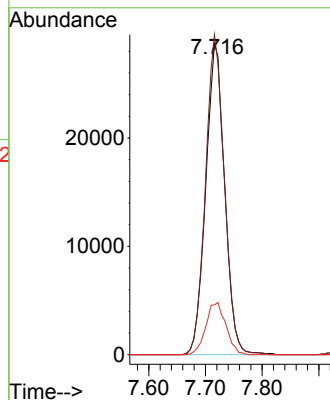
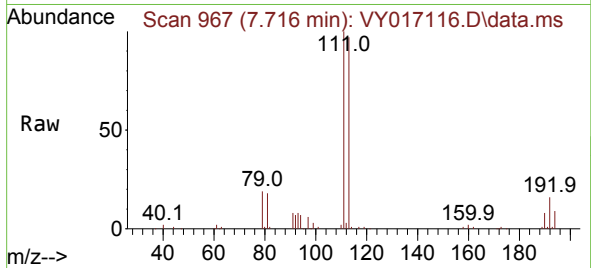




#35
Dibromofluoromethane
Concen: 54.155 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

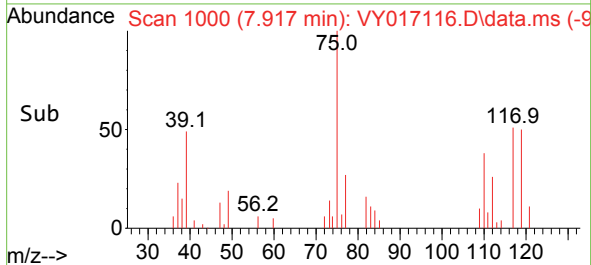
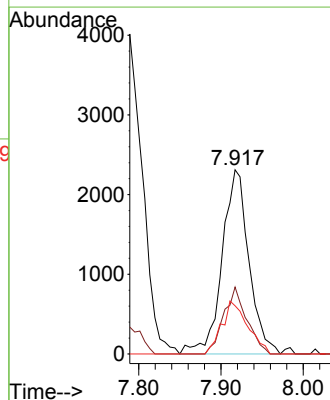
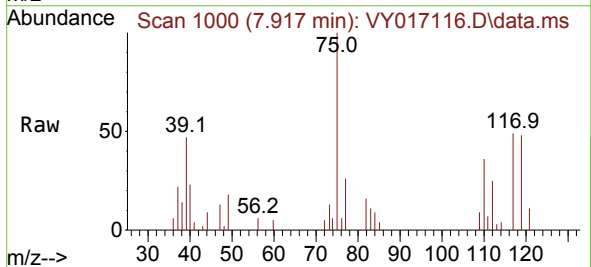
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

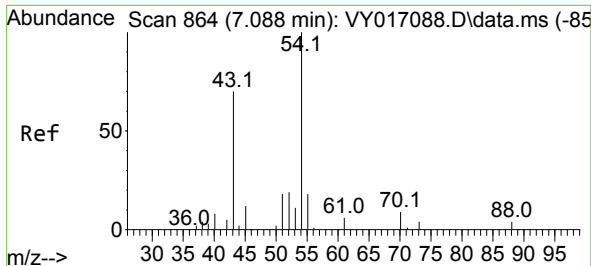
Tgt Ion:113 Resp: 66510
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.6
192 17.8 14.5 21.7



#36
1,1-Dichloropropene
Concen: 2.598 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 75 Resp: 5250
Ion Ratio Lower Upper
75 100
110 31.3 17.4 52.3
77 27.6 24.7 37.1

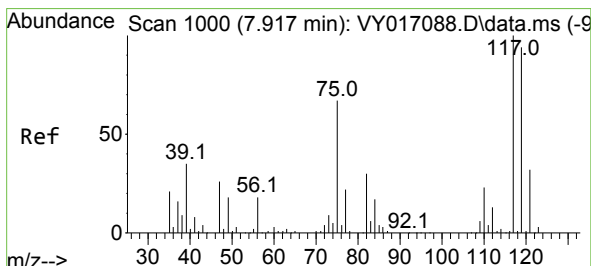
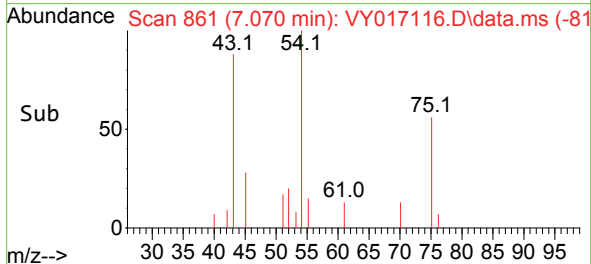
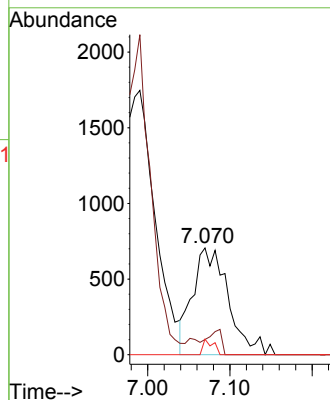
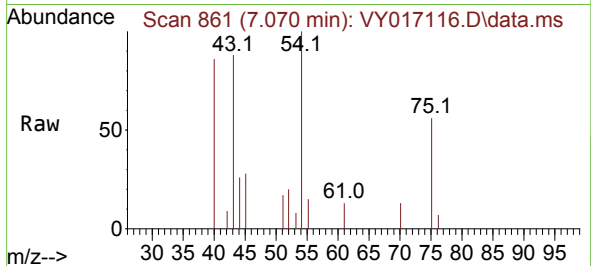




#37
Ethyl Acetate
Concen: 2.460 ug/l
RT: 7.070 min Scan# 80
Delta R.T. -0.018 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

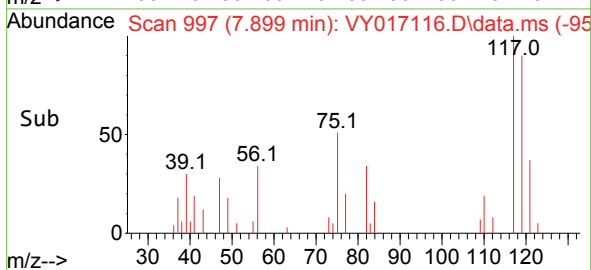
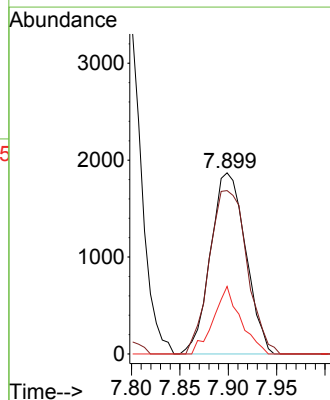
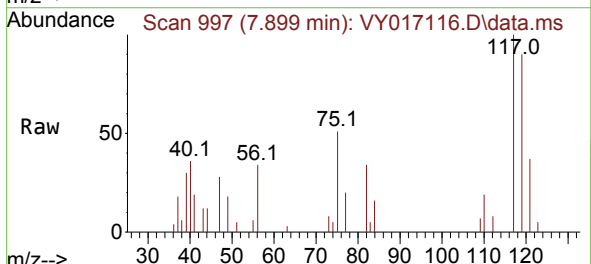
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

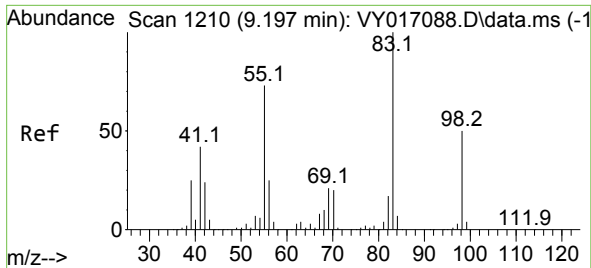
Tgt Ion: 43 Resp: 2137
Ion Ratio Lower Upper
43 100
61 9.3 11.0 16.6#
70 4.2 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 2.387 ug/l
RT: 7.899 min Scan# 997
Delta R.T. -0.018 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 117 Resp: 4726
Ion Ratio Lower Upper
117 100
119 90.2 76.0 114.0
121 37.3 24.2 36.2#





#39

Methylcyclohexane

Concen: 2.278 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

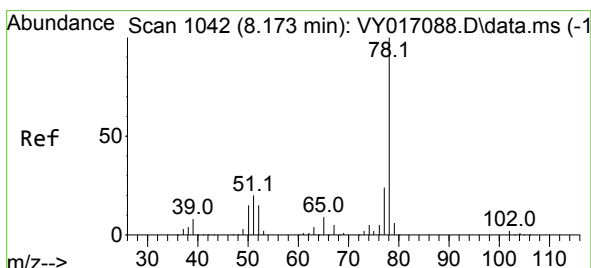
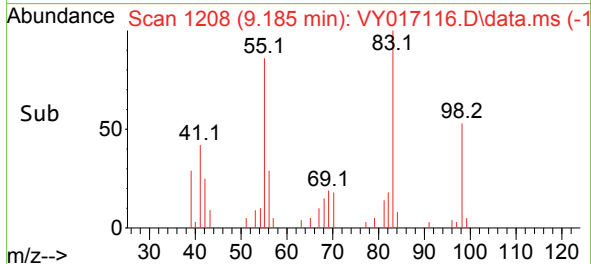
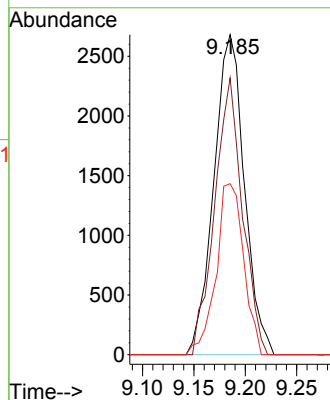
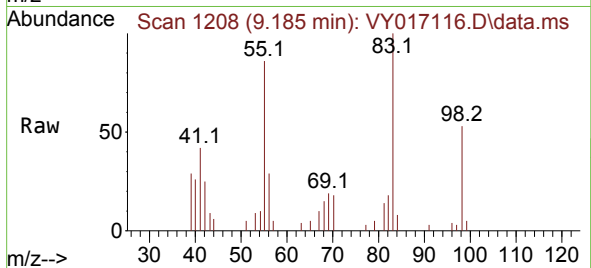
Tgt Ion: 83 Resp: 5536

Ion Ratio Lower Upper

83 100

55 86.5 59.7 89.5

98 53.5 38.0 57.0



#40

Benzene

Concen: 2.365 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.012 min

Lab File: VY017116.D

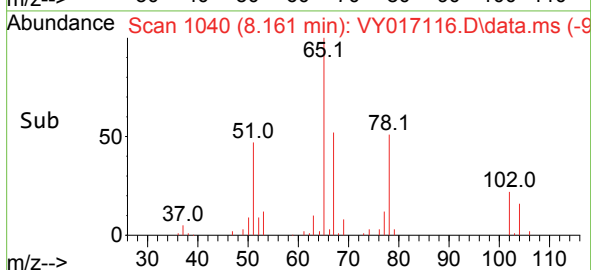
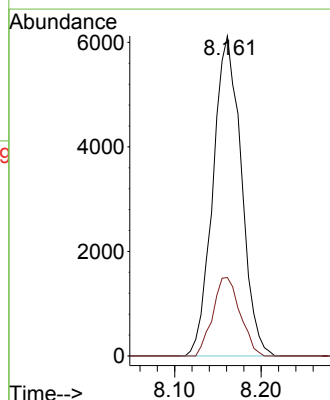
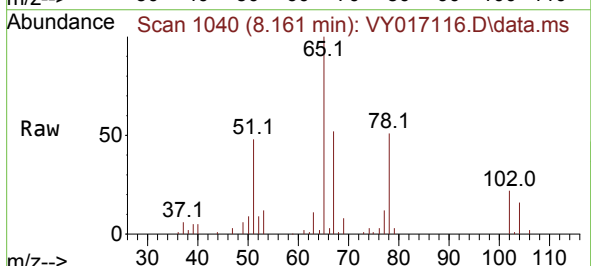
Acq: 26 Jan 2024 13:10

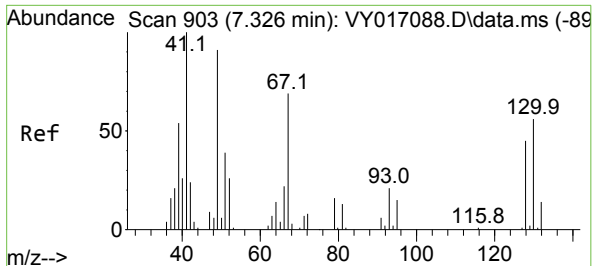
Tgt Ion: 78 Resp: 13876

Ion Ratio Lower Upper

78 100

77 24.5 18.8 28.2

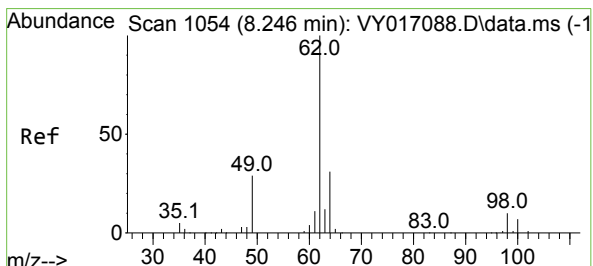
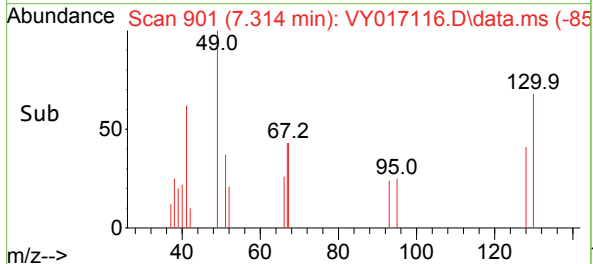
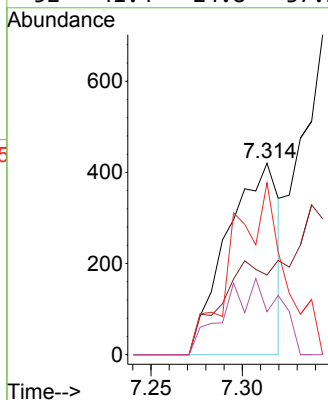
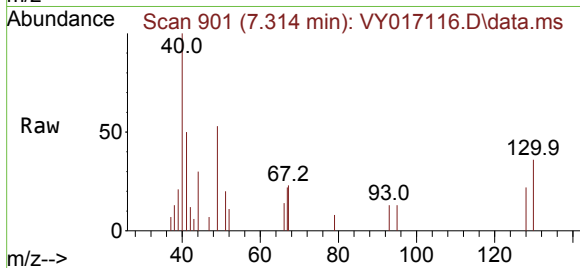




#41
Methacrylonitrile
Concen: 1.778 ug/l
RT: 7.314 min Scan# 901
Delta R.T. -0.005 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

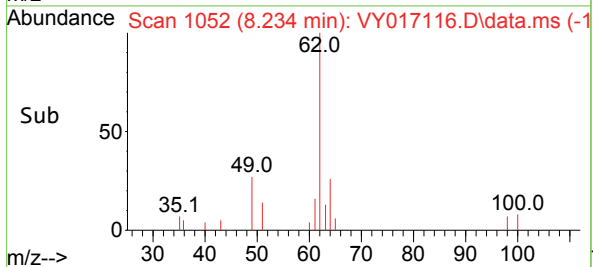
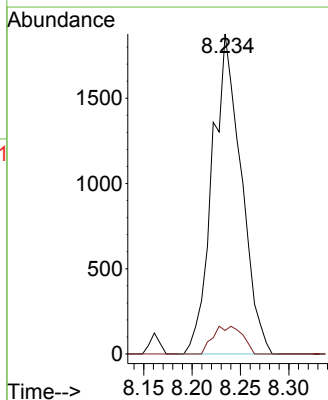
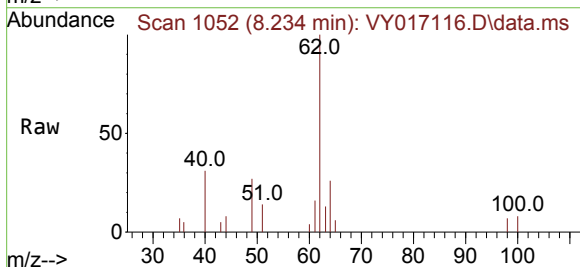
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

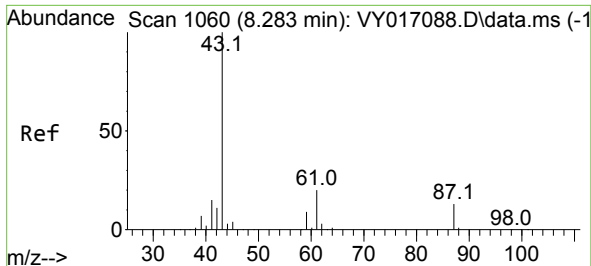
Tgt Ion:	41	Resp:	826
Ion	Ratio	Lower	Upper
41	100		
39	45.2	41.9	62.9
67	48.9	59.8	89.6#
52	41.4	24.8	37.2#



#42
1,2-Dichloroethane
Concen: 2.576 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.018 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion:	62	Resp:	3919
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	20.2





#43

Isopropyl Acetate

Concen: 2.311 ug/l

RT: 8.271 min Scan# 1105

Delta R.T. -0.012 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

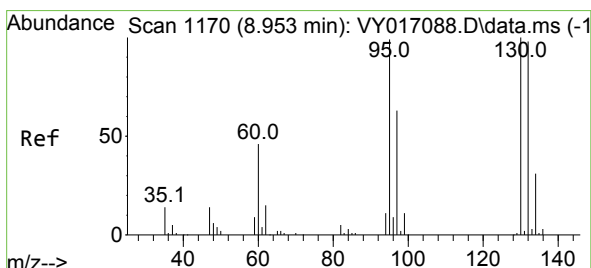
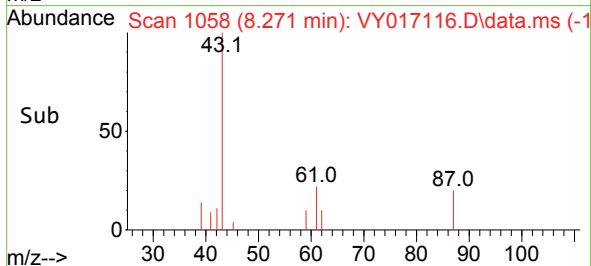
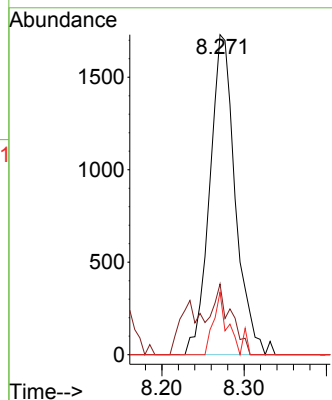
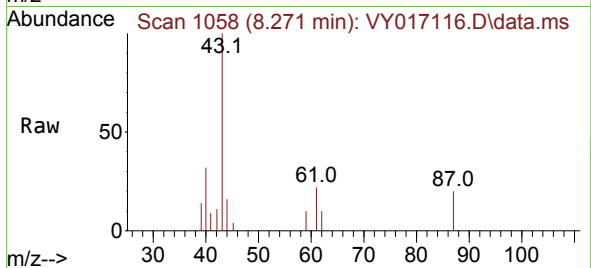
Tgt Ion: 43 Resp: 3749

Ion Ratio Lower Upper

43 100

61 16.4 24.8 37.2#

87 10.3 10.7 16.1#



#44

Trichloroethene

Concen: 2.410 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. -0.006 min

Lab File: VY017116.D

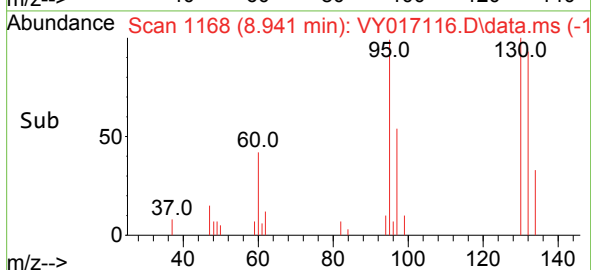
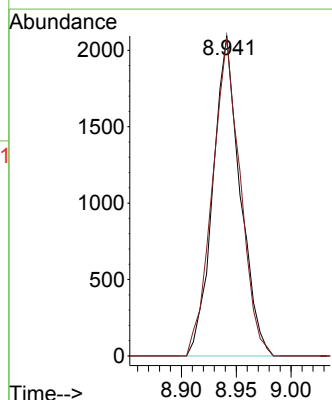
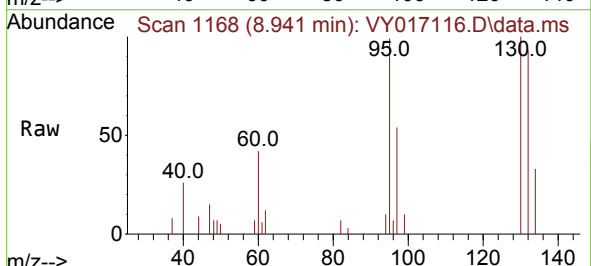
Acq: 26 Jan 2024 13:10

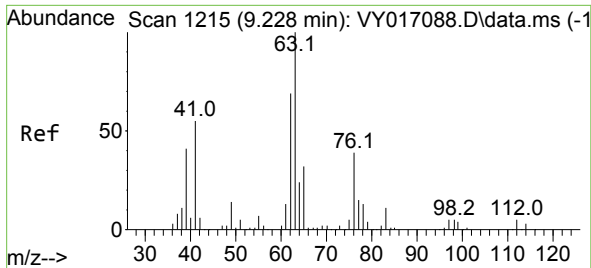
Tgt Ion:130 Resp: 3627

Ion Ratio Lower Upper

130 100

95 99.4 0.0 203.8

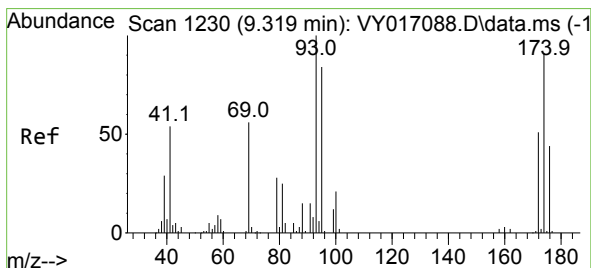
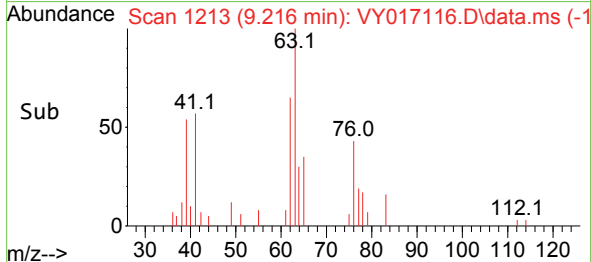
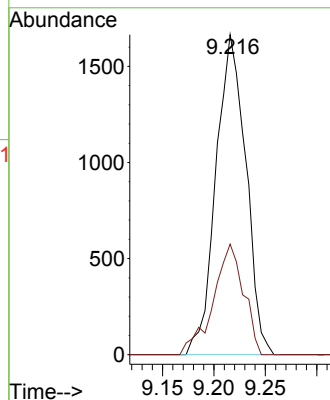
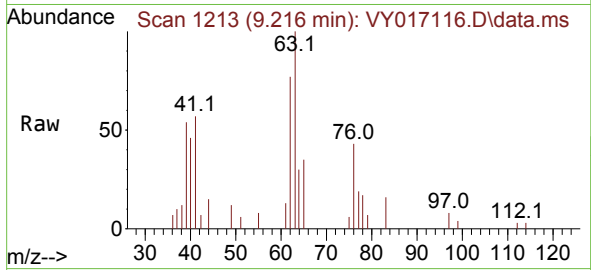




#45
1,2-Dichloropropane
Concen: 2.336 ug/l
RT: 9.216 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

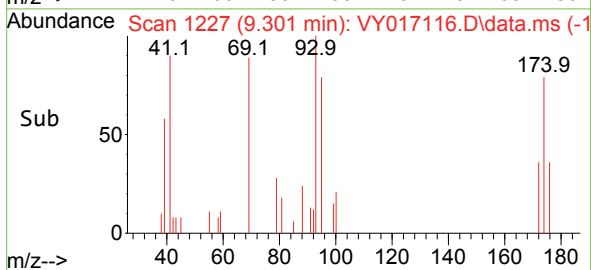
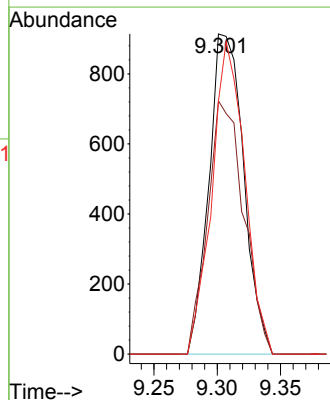
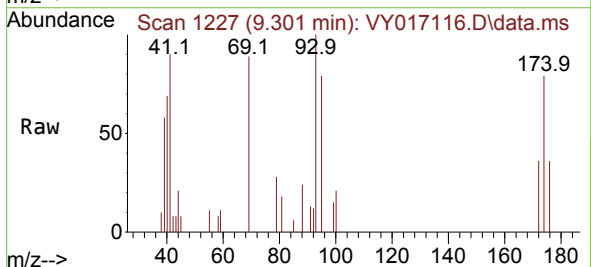
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

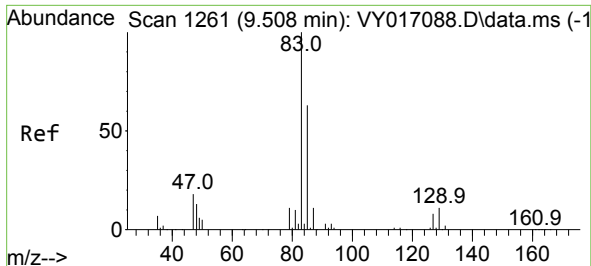
Tgt Ion: 63 Resp: 3364
Ion Ratio Lower Upper
63 100
65 34.5 24.6 36.8



#46
Dibromomethane
Concen: 2.281 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 93 Resp: 1745
Ion Ratio Lower Upper
93 100
95 82.2 66.6 99.8
174 92.4 73.8 110.6





#47

Bromodichloromethane

Concen: 2.170 ug/l

RT: 9.496 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

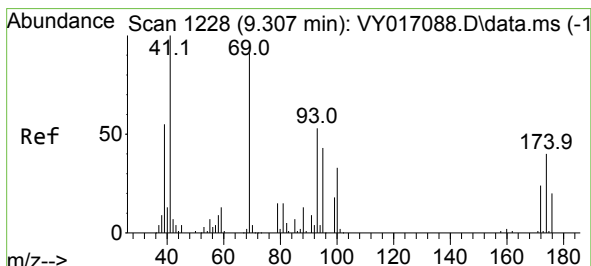
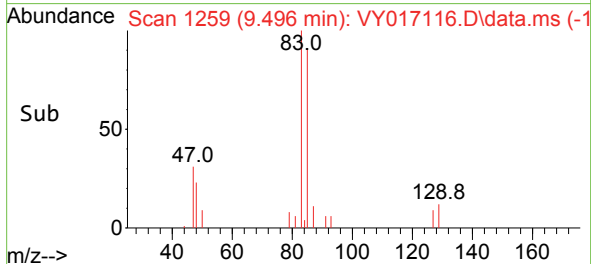
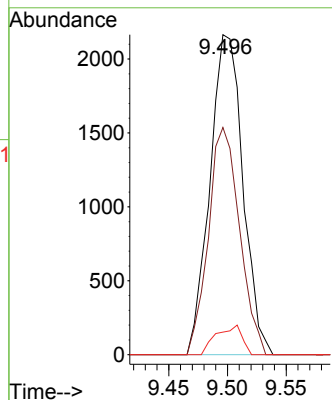
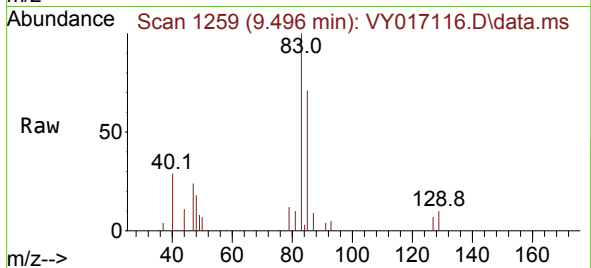
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 83	Resp: 4223
Ion Ratio	Lower Upper
83	100
85	71.0 53.2 79.8
127	7.1 6.4 9.6



#48

Methyl methacrylate

Concen: 2.134 ug/l

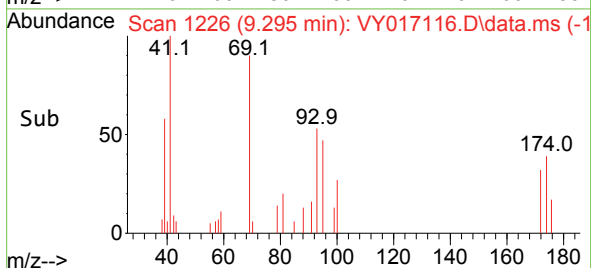
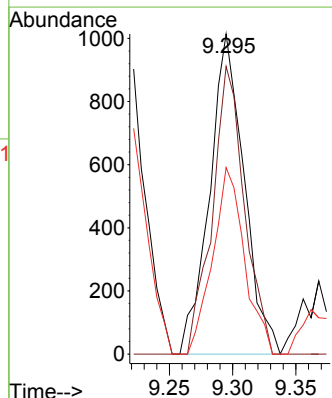
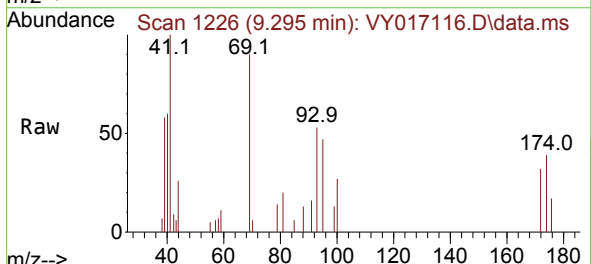
RT: 9.295 min Scan# 1226

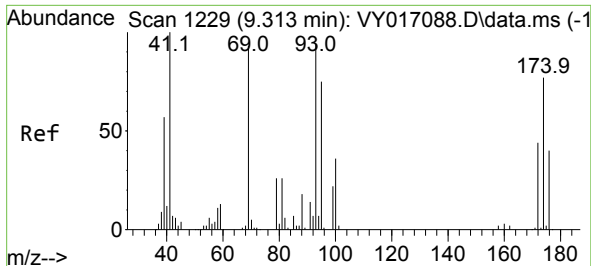
Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Tgt Ion: 41	Resp: 1922
Ion Ratio	Lower Upper
41	100
69	83.7 72.1 108.1
39	53.7 42.8 64.2





#49

1,4-Dioxane

Concen: 44.528 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.012 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

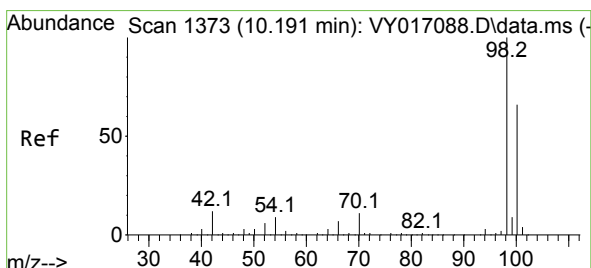
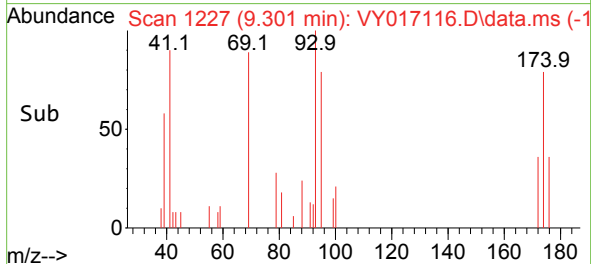
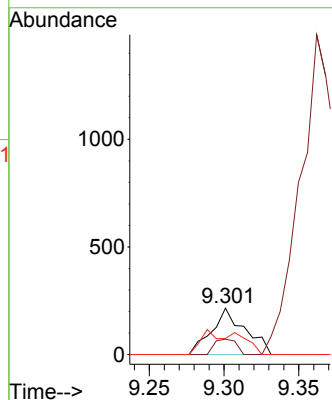
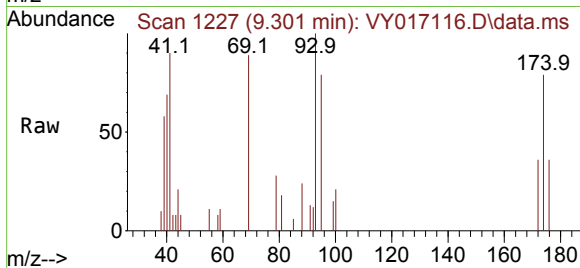
Tgt Ion: 88 Resp: 335

Ion Ratio Lower Upper

88 100

43 0.0 28.2 42.4#

58 34.3 52.2 78.2#



#50

Toluene-d8

Concen: 54.172 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.012 min

Lab File: VY017116.D

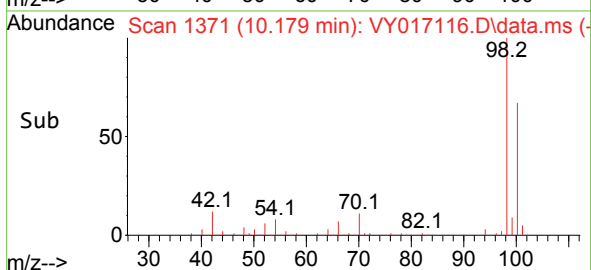
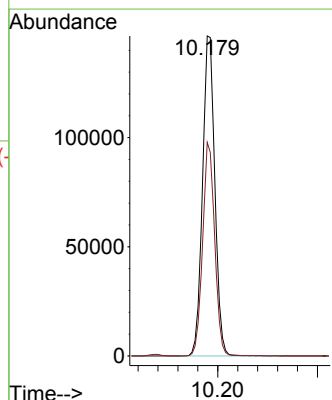
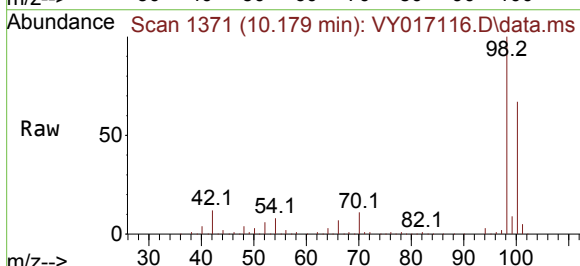
Acq: 26 Jan 2024 13:10

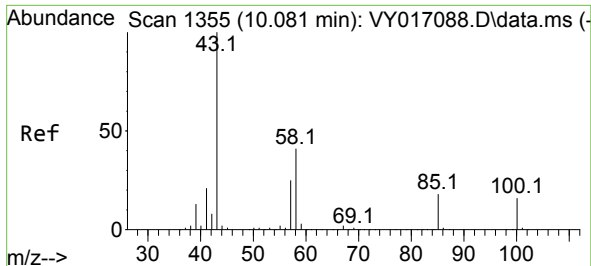
Tgt Ion: 98 Resp: 251288

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5

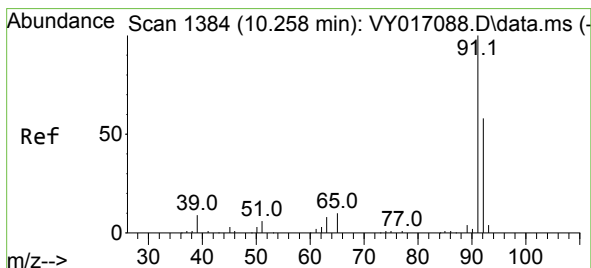
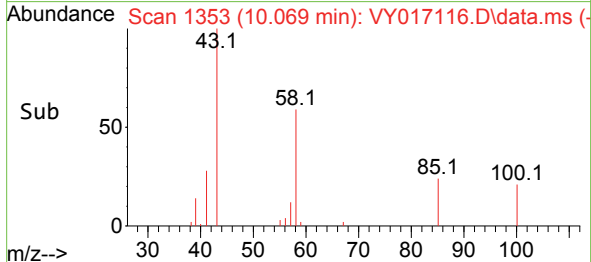
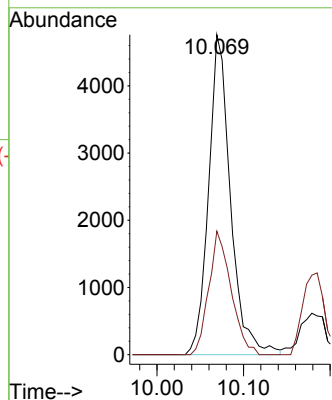
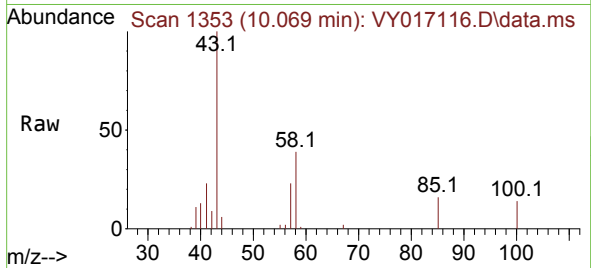




#51
4-Methyl-2-Pentanone
Concen: 9.698 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

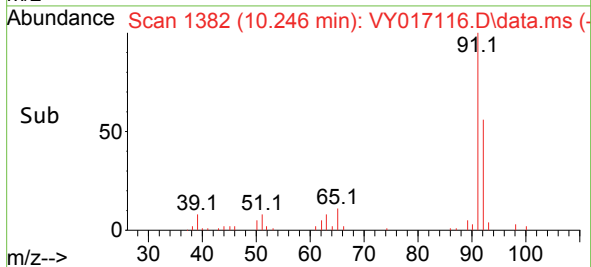
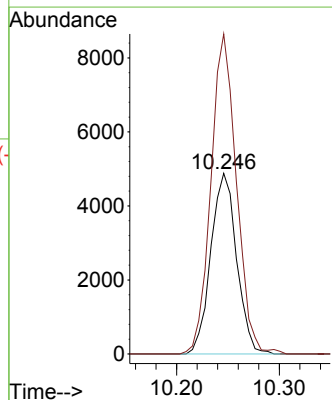
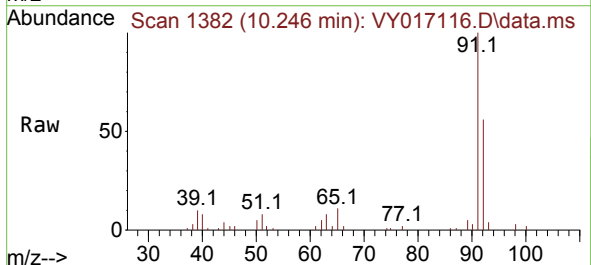
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

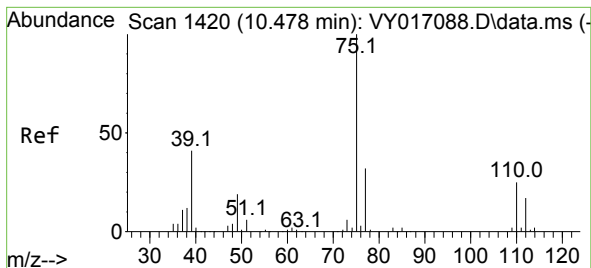
Tgt Ion: 43 Resp: 8368
Ion Ratio Lower Upper
43 100
58 39.2 32.2 48.2



#52
Toluene
Concen: 2.392 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 92 Resp: 8497
Ion Ratio Lower Upper
92 100
91 175.4 137.6 206.4

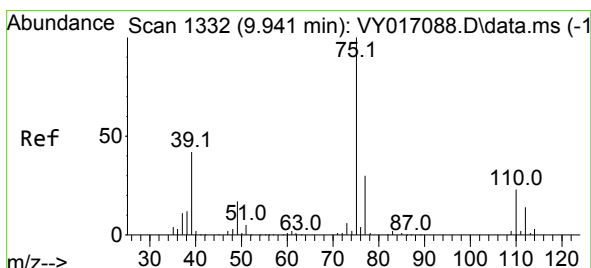
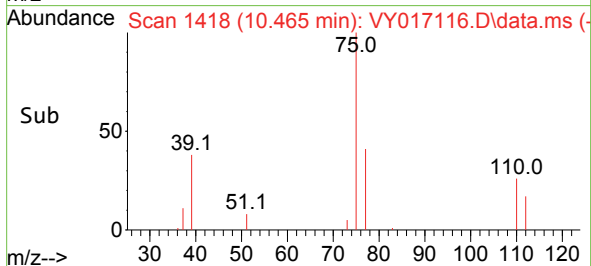
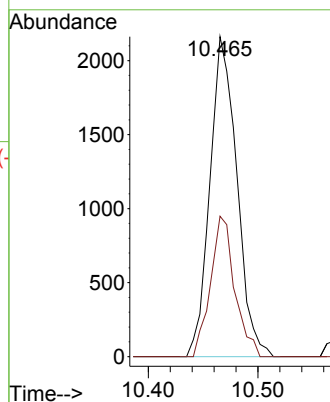
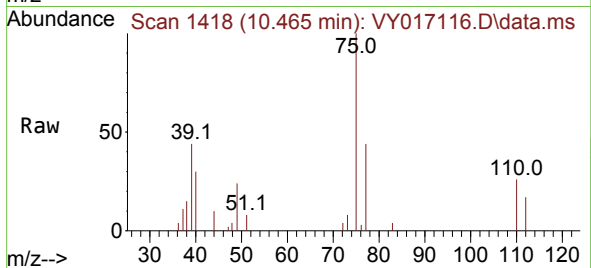




#53
t-1,3-Dichloropropene
Concen: 2.075 ug/l
RT: 10.465 min Scan# 1418
Delta R.T. -0.006 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

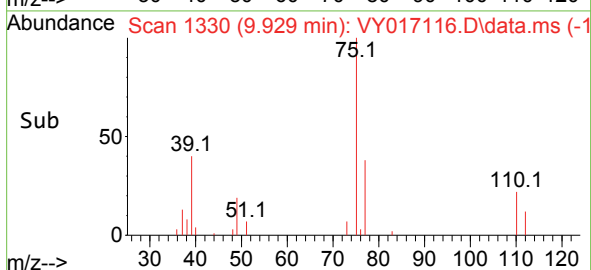
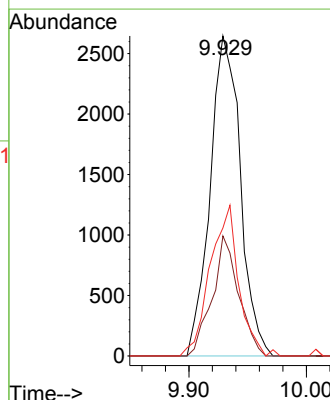
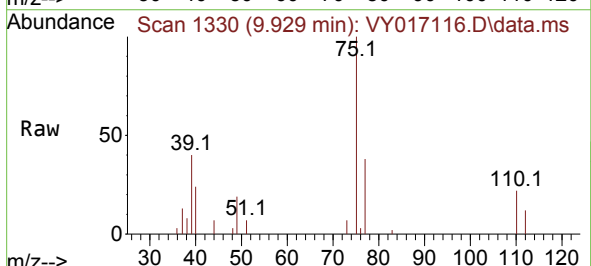
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2024

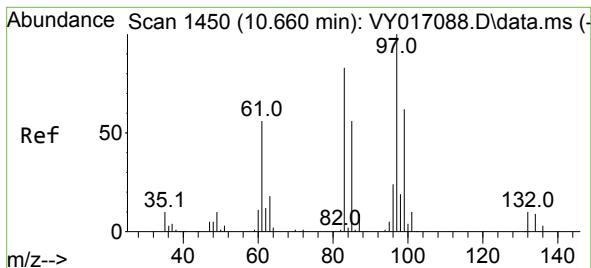
Tgt Ion: 75 Resp: 3688
Ion Ratio Lower Upper
75 100
77 43.9 24.6 36.8#



#54
cis-1,3-Dichloropropene
Concen: 2.164 ug/l
RT: 9.929 min Scan# 1330
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 75 Resp: 4732
Ion Ratio Lower Upper
75 100
77 37.5 24.6 36.8#
39 40.0 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 2.190 ug/l

RT: 10.648 min Scan# 1448

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 97 Resp: 2341

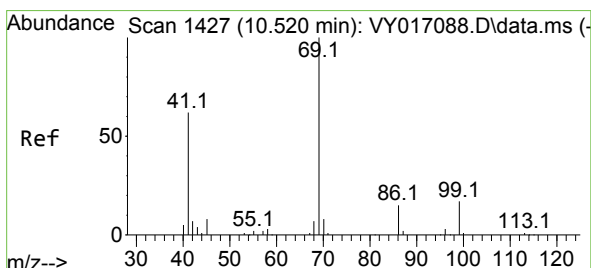
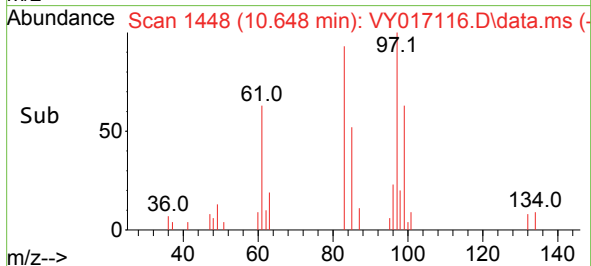
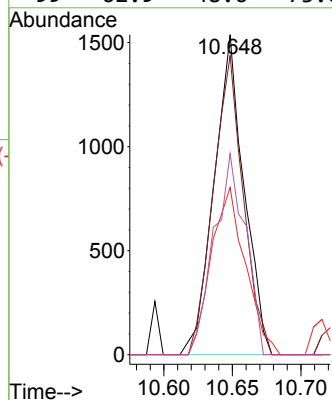
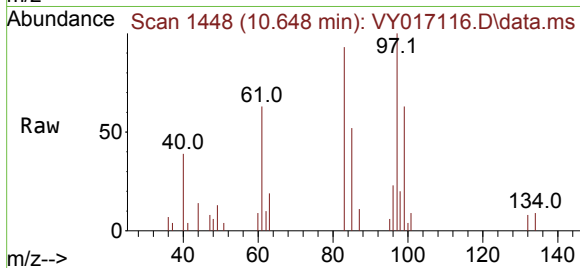
Ion Ratio Lower Upper

97 100

83 93.4 69.4 104.2

85 52.3 43.9 65.9

99 62.9 48.6 73.0



#56

Ethyl methacrylate

Concen: 1.786 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. -0.012 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

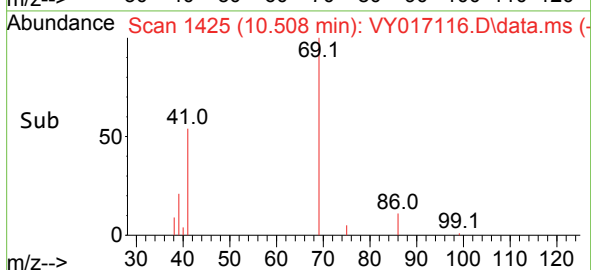
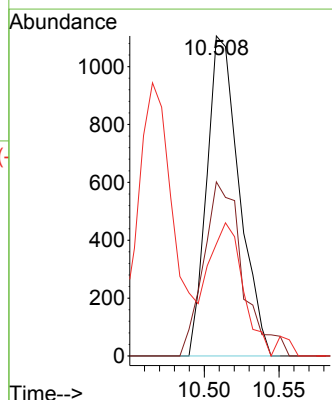
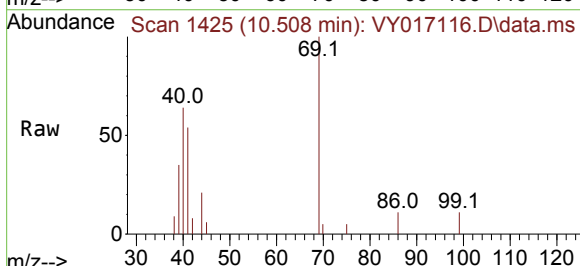
Tgt Ion: 69 Resp: 1670

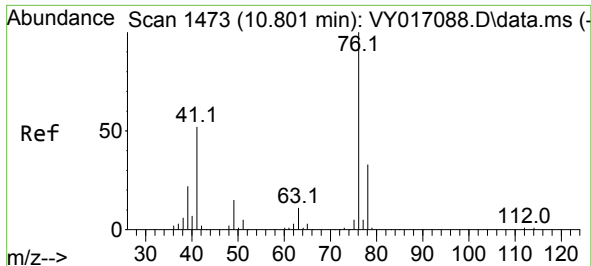
Ion Ratio Lower Upper

69 100

41 65.4 49.2 73.8

39 43.1 26.8 40.2#

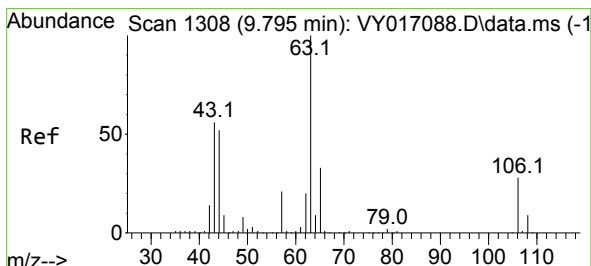
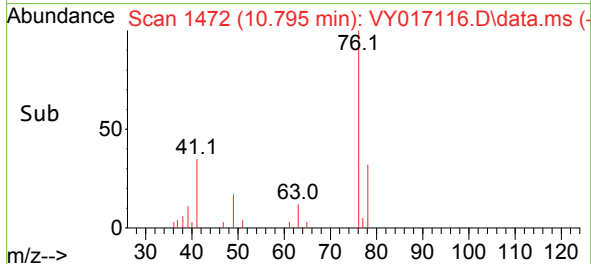
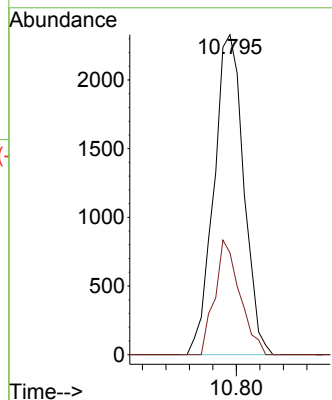
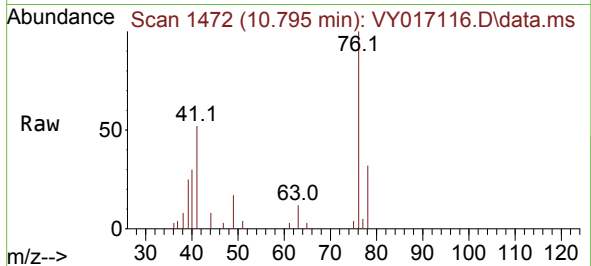




#57
1,3-Dichloropropane
Concen: 2.270 ug/l
RT: 10.795 min Scan# 1473
Delta R.T. -0.005 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

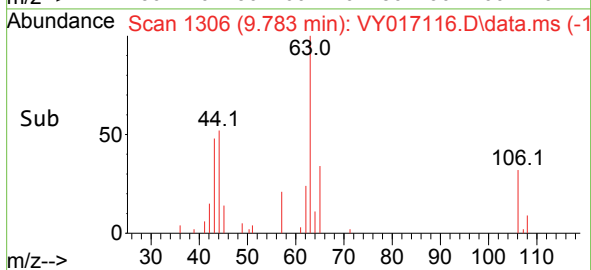
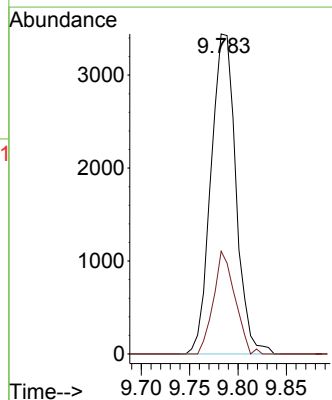
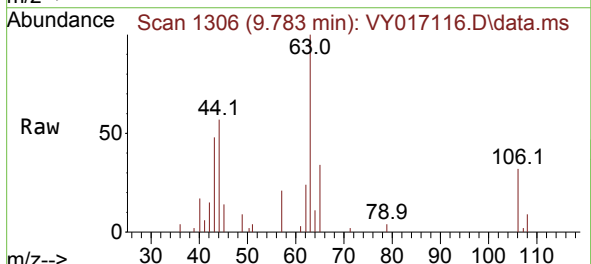
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

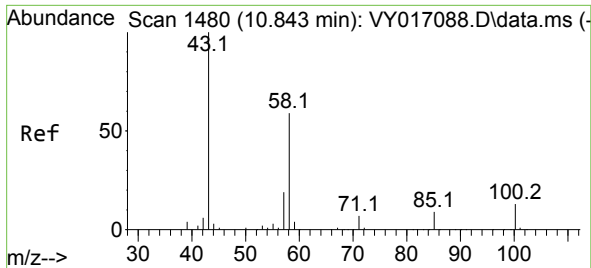
Tgt Ion: 76 Resp: 4103
Ion Ratio Lower Upper
76 100
78 30.1 26.1 39.1



#58
2-Chloroethyl Vinyl ether
Concen: 9.517 ug/l
RT: 9.783 min Scan# 1306
Delta R.T. -0.005 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 63 Resp: 6176
Ion Ratio Lower Upper
63 100
106 27.6 22.4 33.6

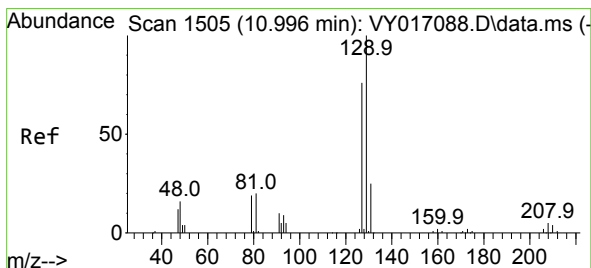
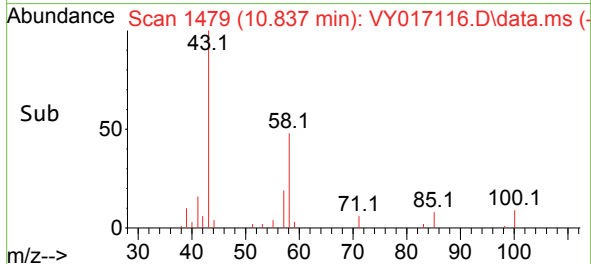
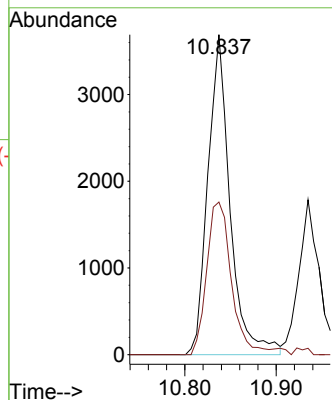
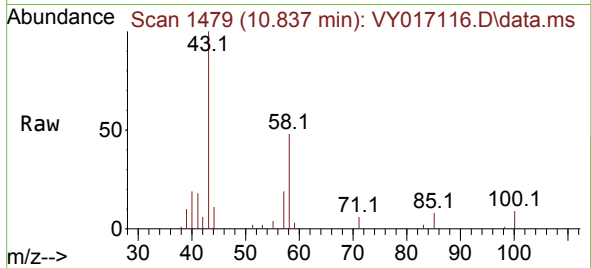




#59
2-Hexanone
Concen: 9.416 ug/l
RT: 10.837 min Scan# 1480
Delta R.T. -0.006 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

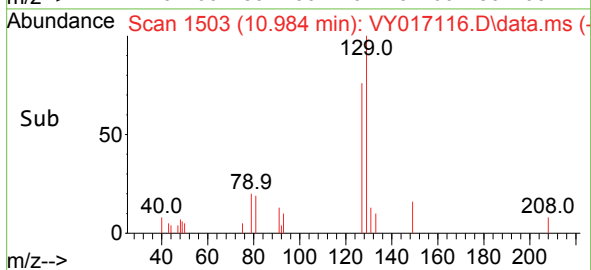
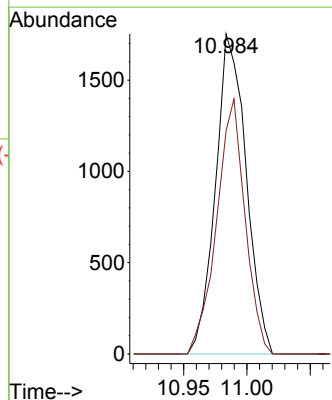
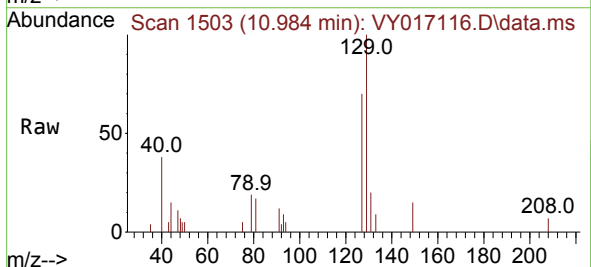
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

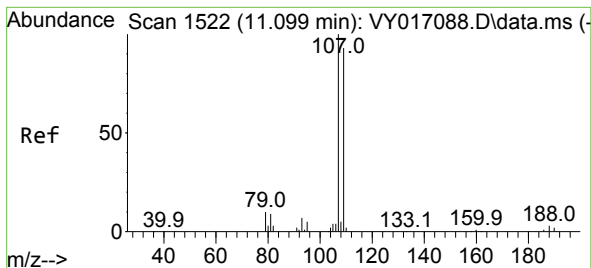
Tgt Ion: 43 Resp: 6198
Ion Ratio Lower Upper
43 100
58 53.0 28.1 84.3



#60
Dibromochloromethane
Concen: 2.373 ug/l
RT: 10.984 min Scan# 1503
Delta R.T. -0.012 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 129 Resp: 2948
Ion Ratio Lower Upper
129 100
127 74.1 39.2 117.6





#61

1,2-Dibromoethane

Concen: 2.262 ug/l

RT: 11.093 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

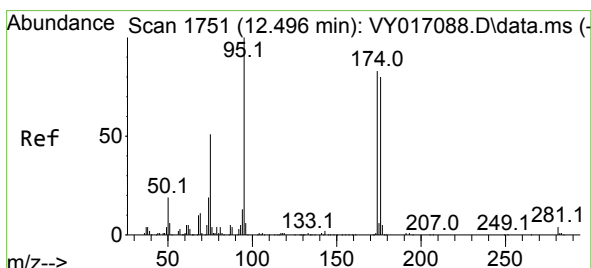
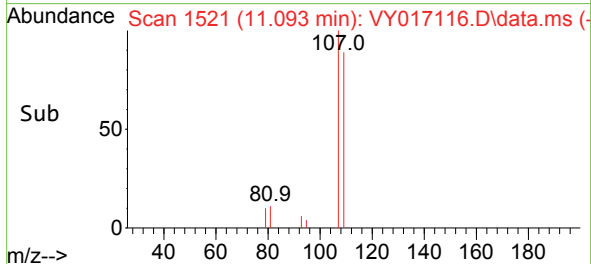
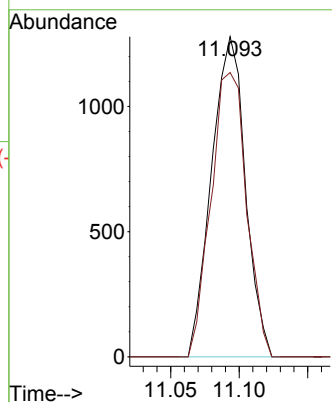
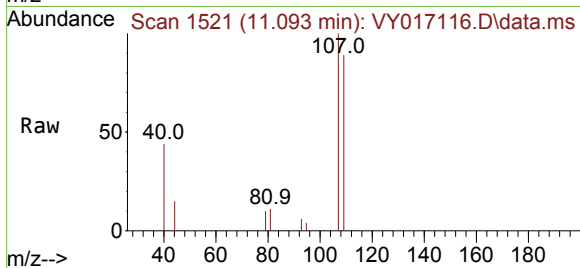
MDL-SOIL-03-QT1-2024

Tgt Ion:107 Resp: 2197

Ion Ratio Lower Upper

107 100

109 93.2 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 51.503 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

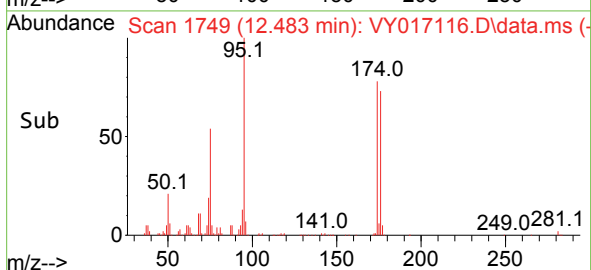
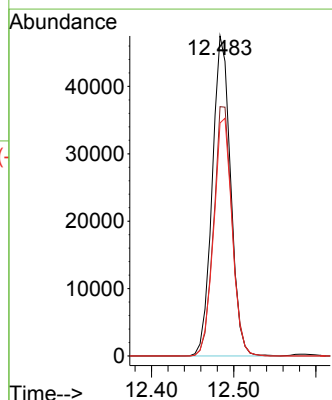
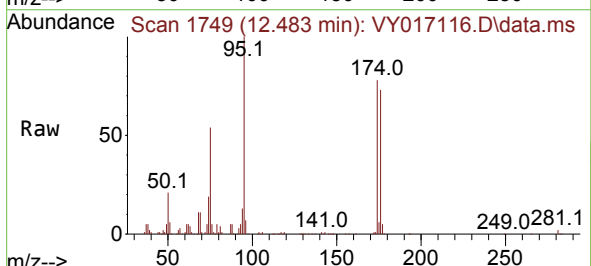
Tgt Ion: 95 Resp: 73596

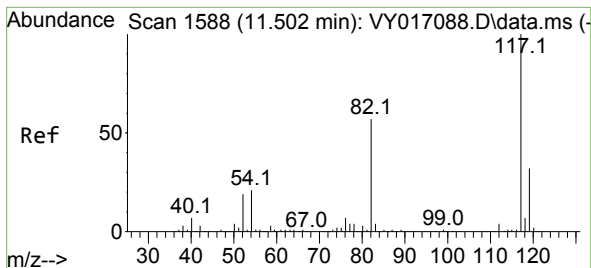
Ion Ratio Lower Upper

95 100

174 78.3 0.0 160.0

176 74.9 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

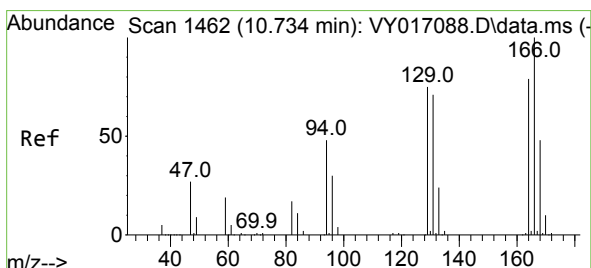
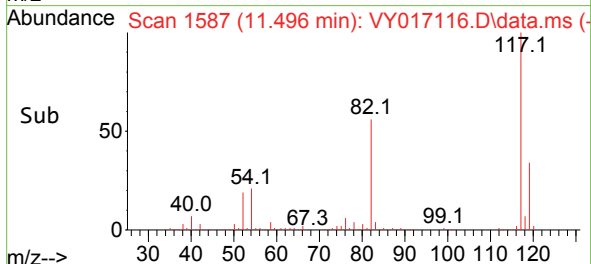
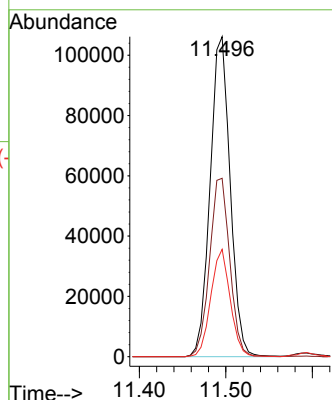
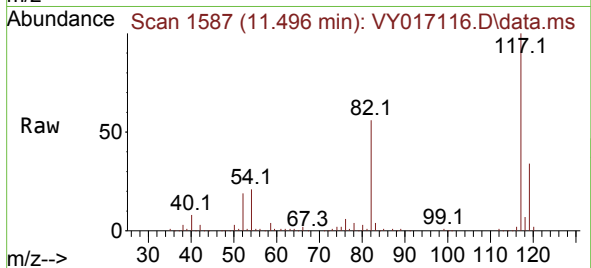
Tgt Ion:117 Resp: 170800

Ion Ratio Lower Upper

117 100

82 55.7 43.8 65.8

119 33.5 26.5 39.7



#64

Tetrachloroethene

Concen: 2.674 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Tgt Ion:164 Resp: 3183

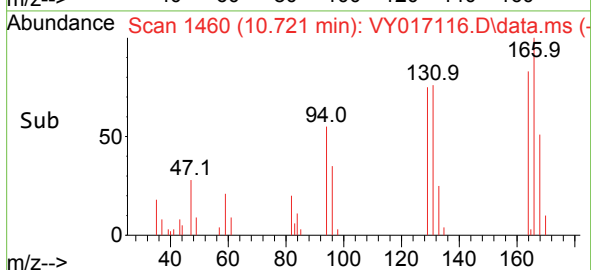
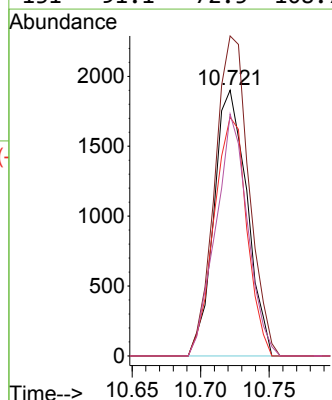
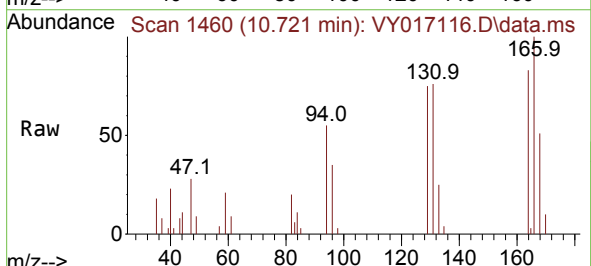
Ion Ratio Lower Upper

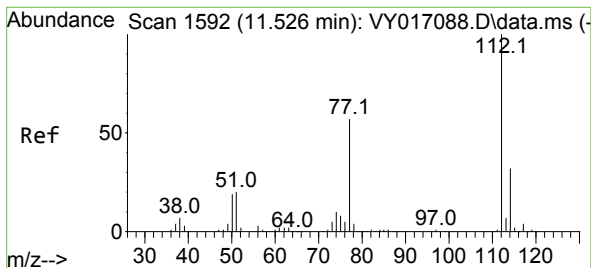
164 100

166 120.4 98.8 148.2

129 89.8 78.9 118.3

131 91.1 72.5 108.7





#65

Chlorobenzene

Concen: 2.469 ug/l

RT: 11.520 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

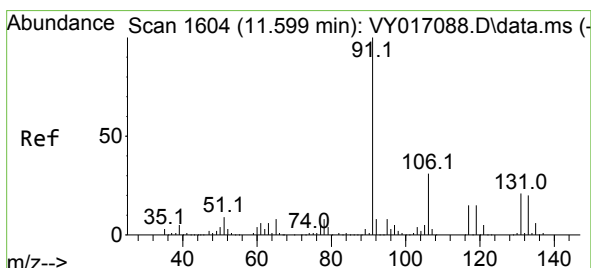
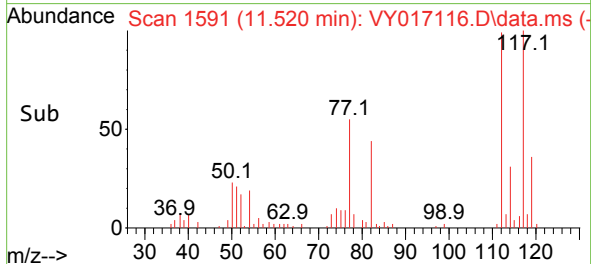
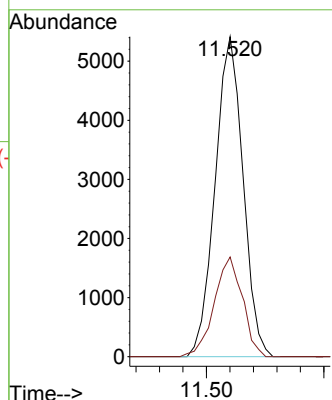
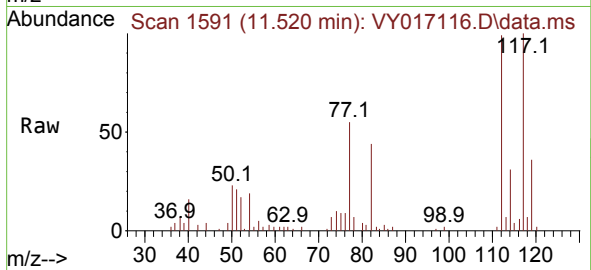
MDL-SOIL-03-QT1-2024

Tgt Ion:112 Resp: 8938

Ion Ratio Lower Upper

112 100

114 31.2 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 2.256 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

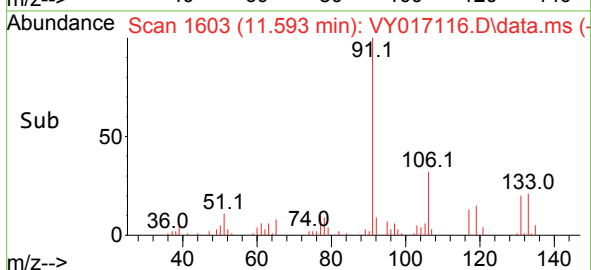
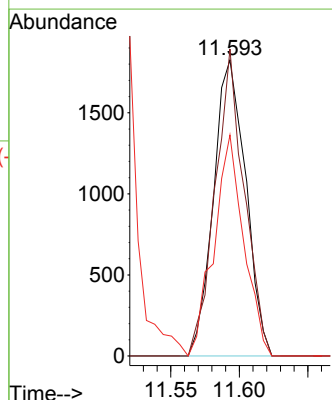
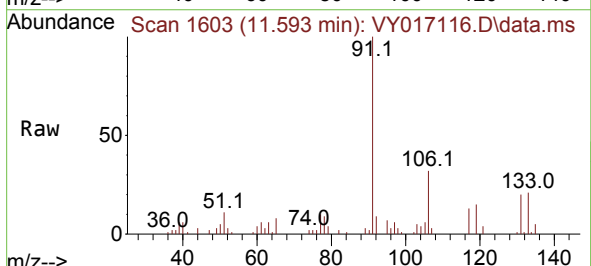
Tgt Ion:131 Resp: 2982

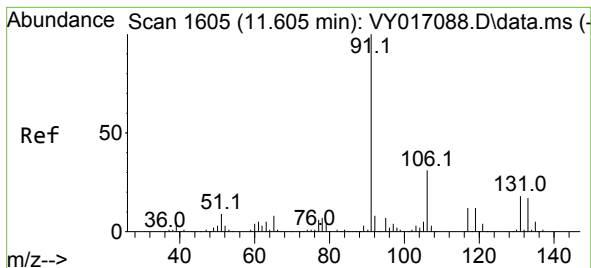
Ion Ratio Lower Upper

131 100

133 93.6 47.0 141.0

119 69.2 33.3 99.9





#67

Ethyl Benzene

Concen: 2.187 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

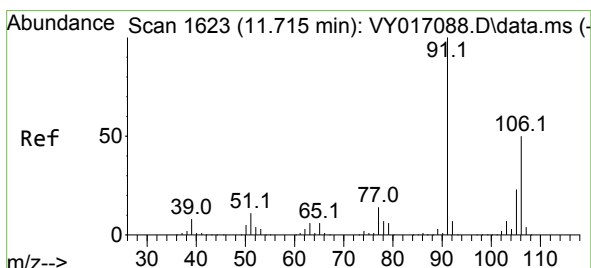
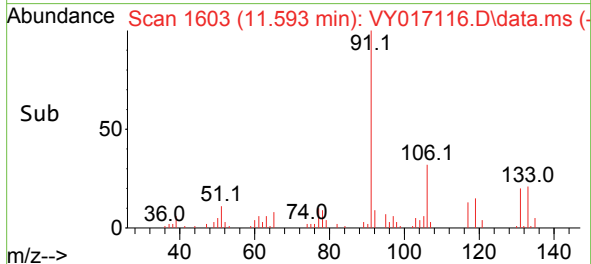
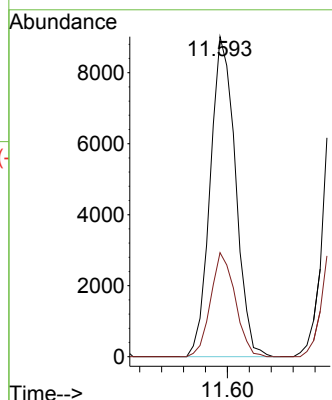
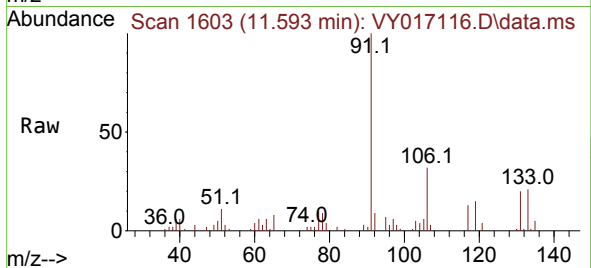
MDL-SOIL-03-QT1-2024

Tgt Ion: 91 Resp: 14391

Ion Ratio Lower Upper

91 100

106 32.5 25.0 37.4



#68

m/p-Xylenes

Concen: 4.354 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.006 min

Lab File: VY017116.D

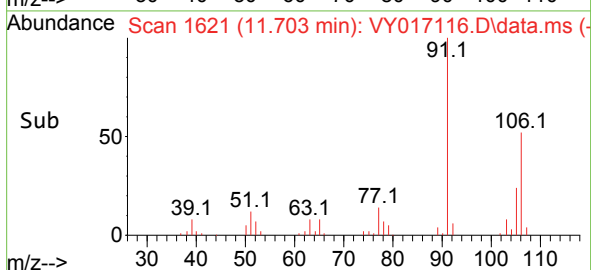
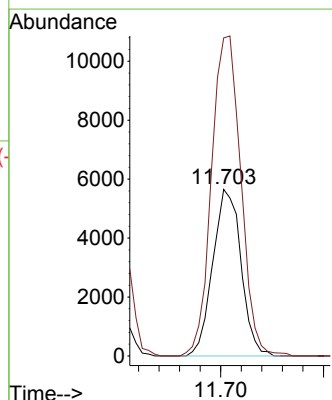
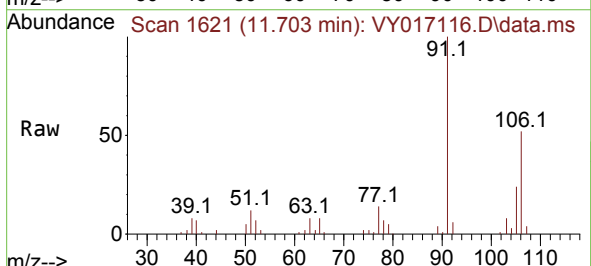
Acq: 26 Jan 2024 13:10

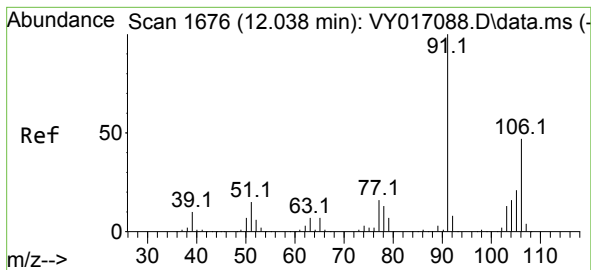
Tgt Ion: 106 Resp: 10763

Ion Ratio Lower Upper

106 100

91 200.2 160.7 241.1





#69

o-Xylene

Concen: 2.060 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

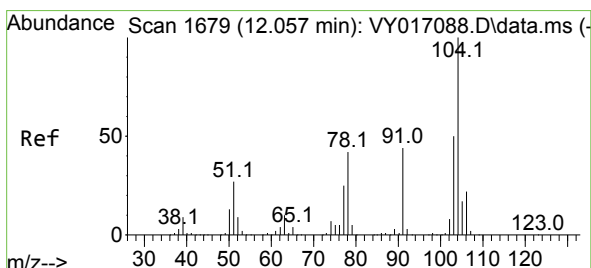
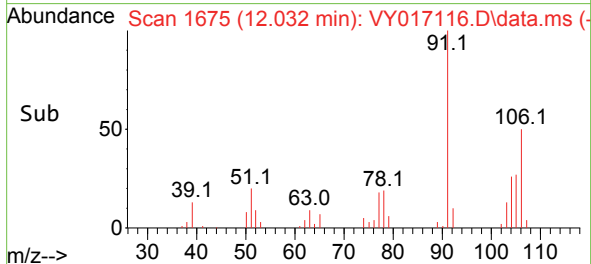
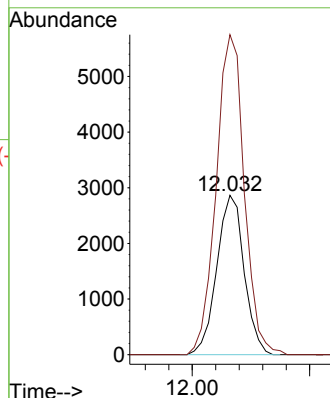
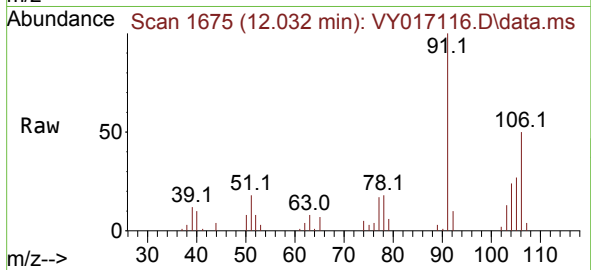
MDL-SOIL-03-QT1-2024

Tgt Ion:106 Resp: 4627

Ion Ratio Lower Upper

106 100

91 206.4 106.5 319.5



#70

Styrene

Concen: 1.895 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

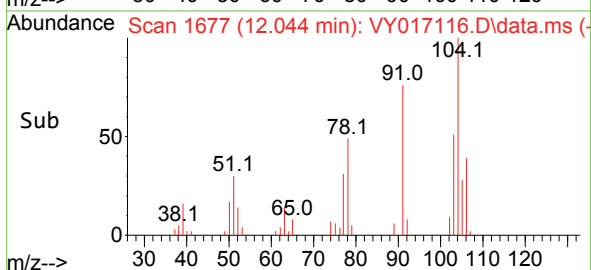
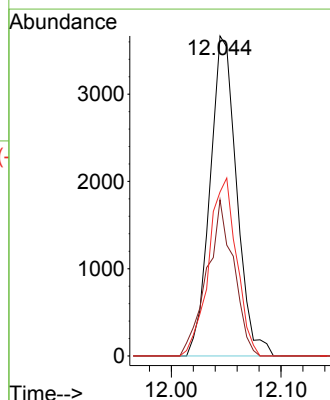
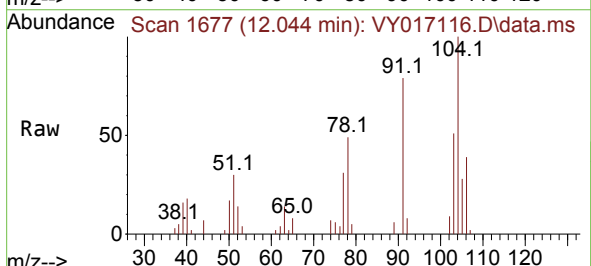
Tgt Ion:104 Resp: 6179

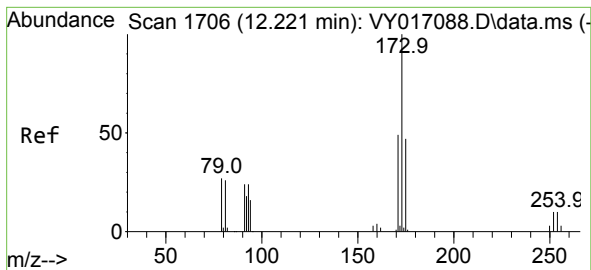
Ion Ratio Lower Upper

104 100

78 49.0 39.2 58.8

103 58.1 43.8 65.6





#71

Bromoform

Concen: 2.264 ug/l

RT: 12.209 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

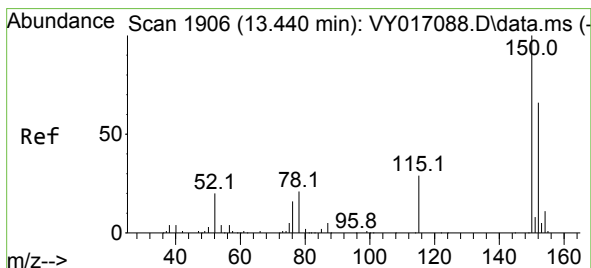
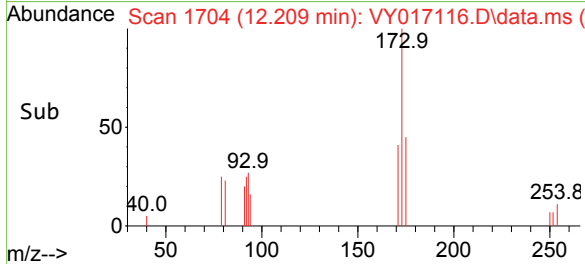
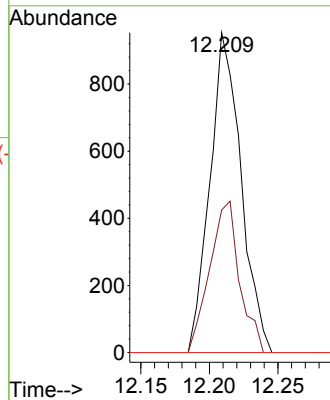
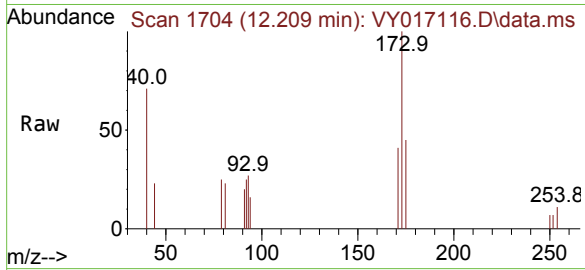
Tgt Ion:173 Resp: 1501

Ion Ratio Lower Upper

173 100

175 45.6 23.5 70.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

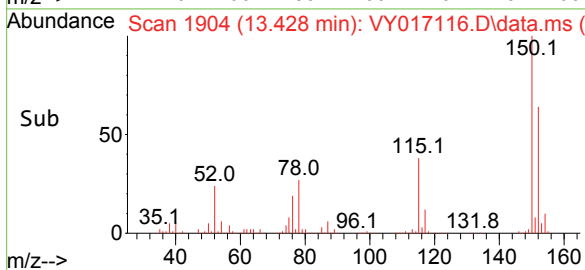
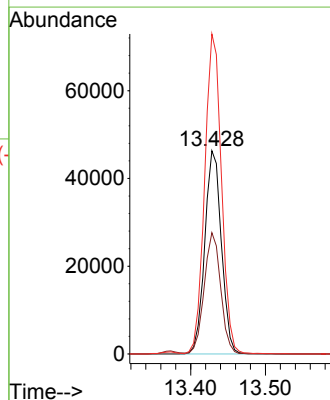
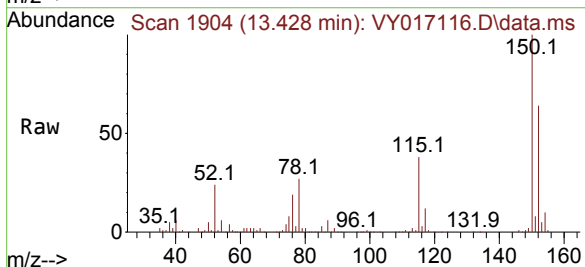
Tgt Ion:152 Resp: 71551

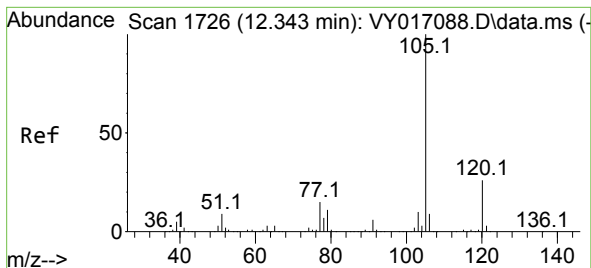
Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 158.8 0.0 344.6





#73

Isopropylbenzene

Concen: 2.123 ug/l

RT: 12.331 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

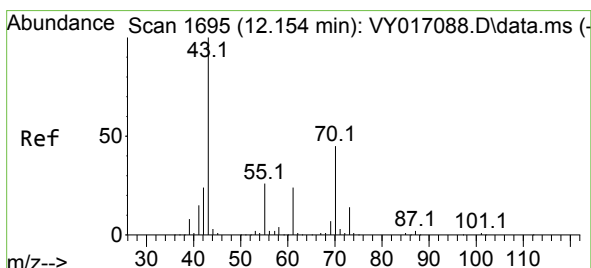
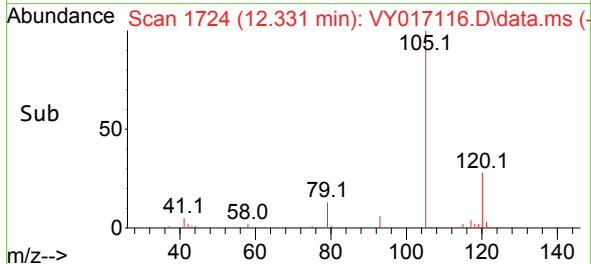
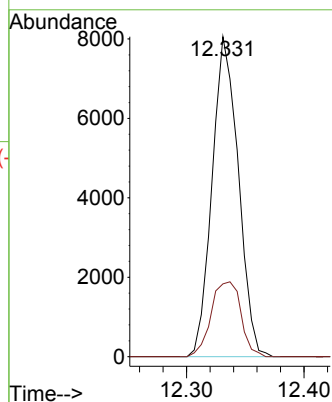
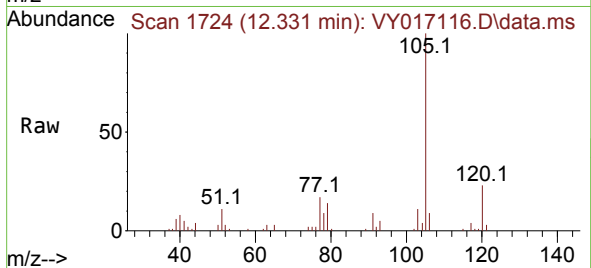
MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 12489

Ion Ratio Lower Upper

105 100

120 26.6 13.0 39.0



#74

N-ethyl acetate

Concen: 2.085 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Tgt Ion: 43 Resp: 2472

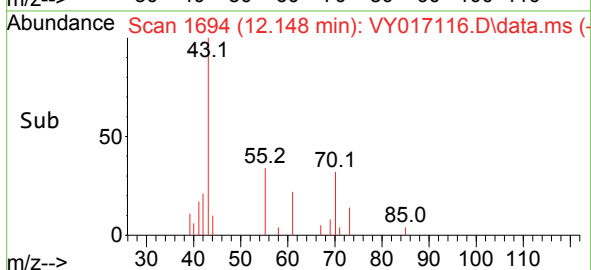
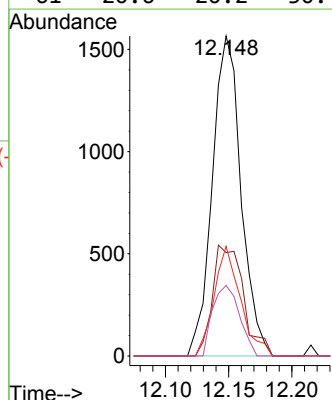
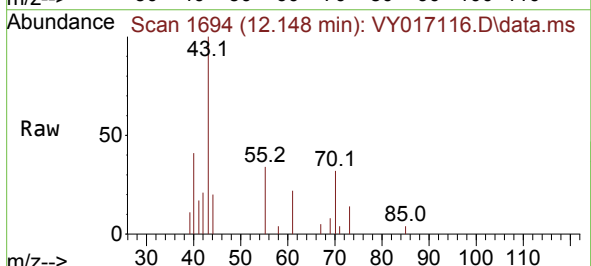
Ion Ratio Lower Upper

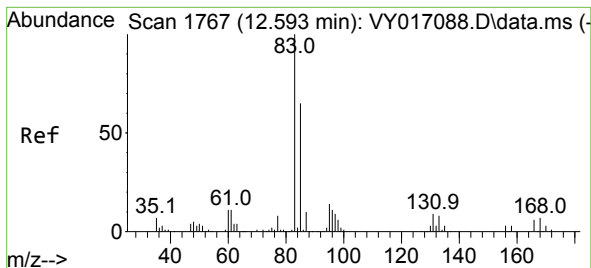
43 100

70 37.1 36.6 55.0

55 31.4 22.2 33.4

61 20.6 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 2.466 ug/l

RT: 12.587 min Scan# 1766

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

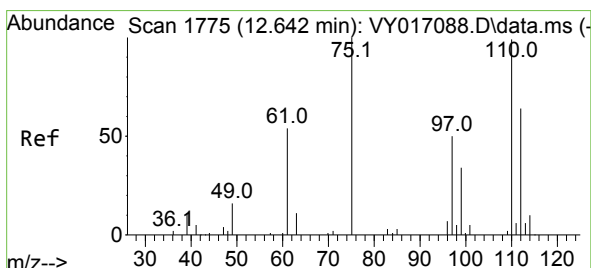
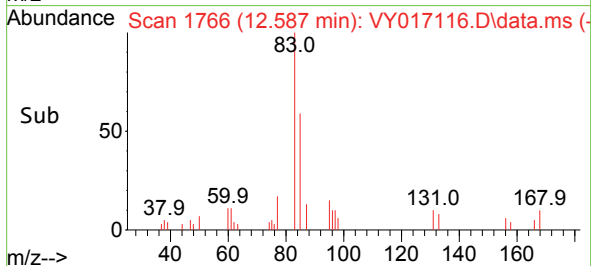
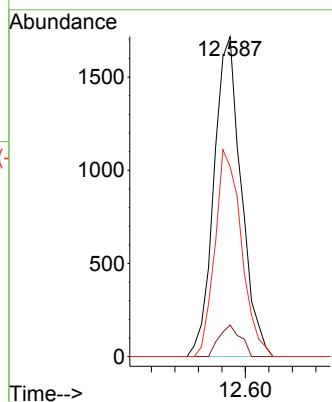
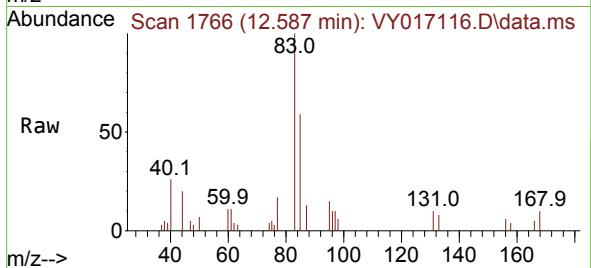
Tgt Ion: 83 Resp: 2766

Ion Ratio Lower Upper

83 100

131 7.8 4.9 14.6

85 62.9 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 3.787 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VY017116.D

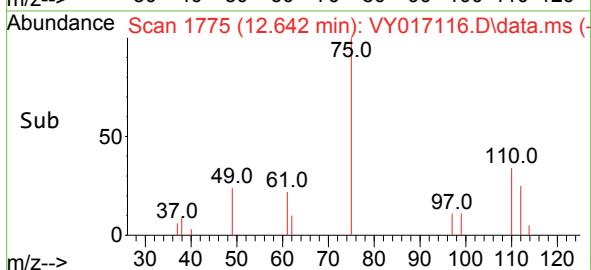
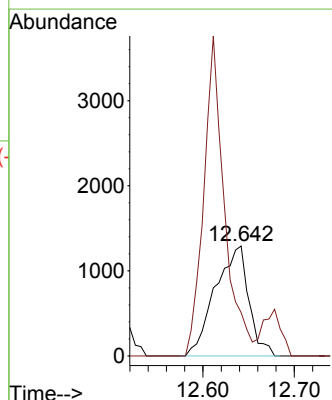
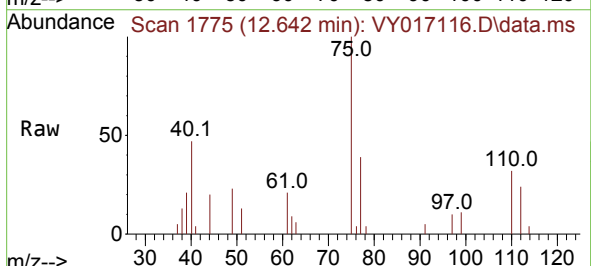
Acq: 26 Jan 2024 13:10

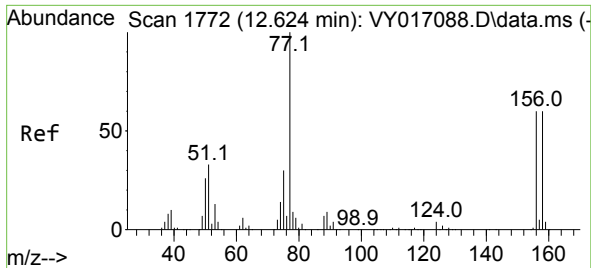
Tgt Ion: 75 Resp: 3289

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

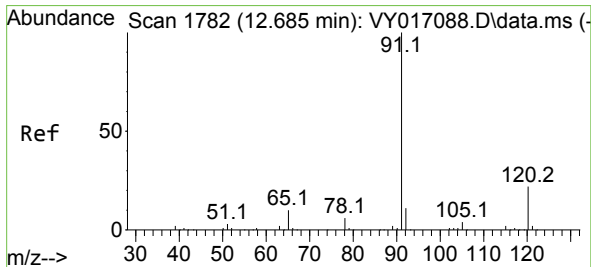
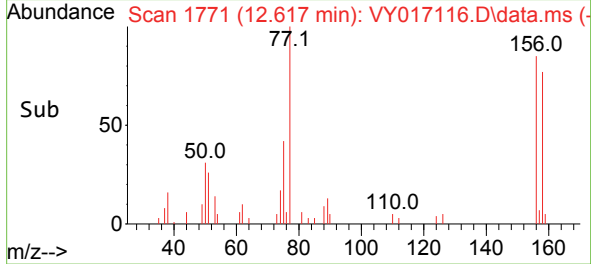
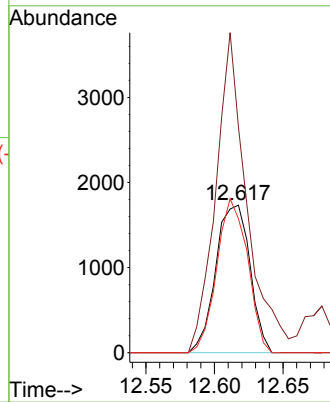
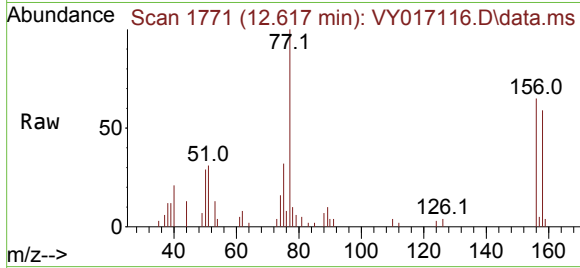




#77
Bromobenzene
Concen: 2.367 ug/l
RT: 12.617 min Scan# 1771
Delta R.T. 0.000 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

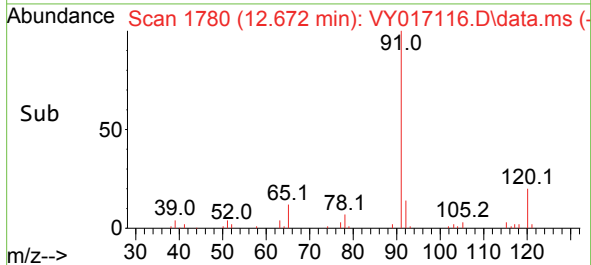
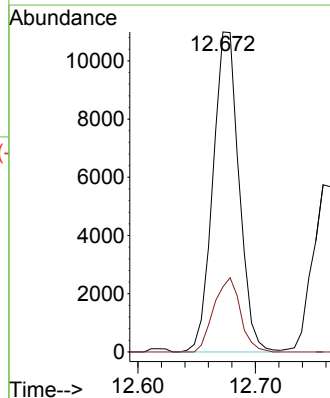
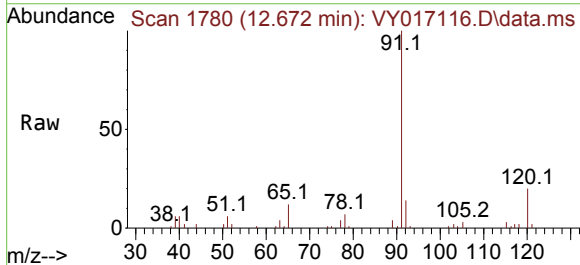
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

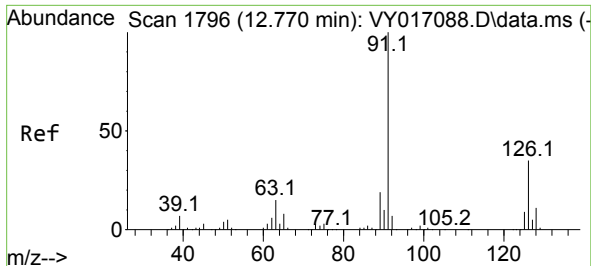
Tgt Ion:156 Resp: 3013
Ion Ratio Lower Upper
156 100
77 196.1 97.3 291.8
158 93.6 48.4 145.0



#78
n-propylbenzene
Concen: 2.398 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.006 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 91 Resp: 16964
Ion Ratio Lower Upper
91 100
120 23.5 11.0 33.0

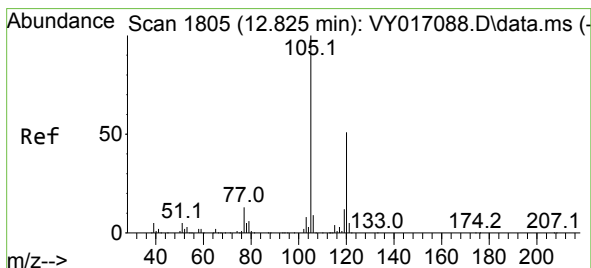
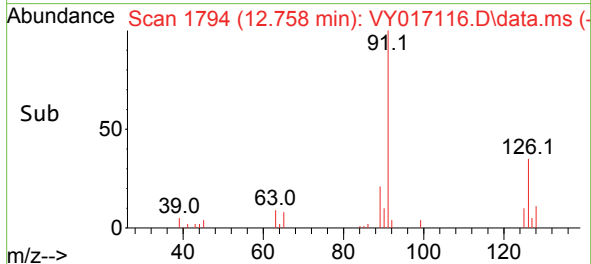
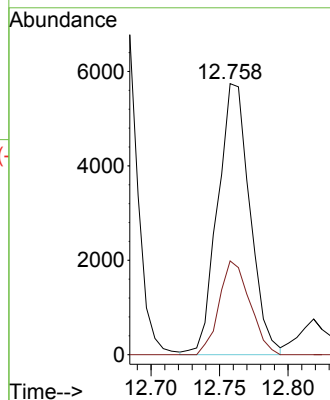
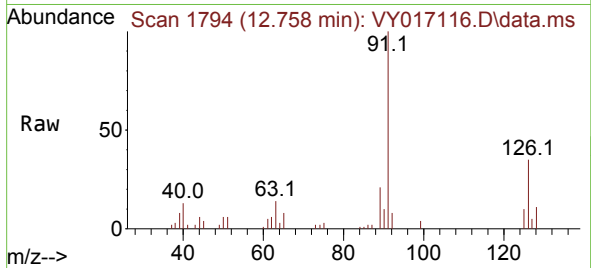




#79
2-Chlorotoluene
Concen: 2.425 ug/l
RT: 12.758 min Scan# 1794
Delta R.T. -0.005 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

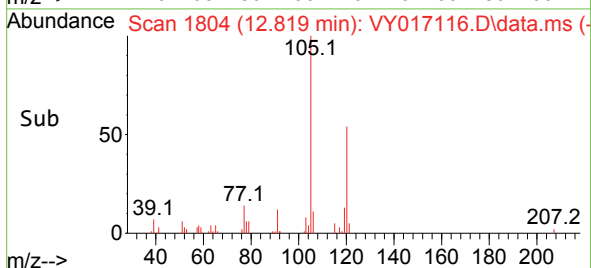
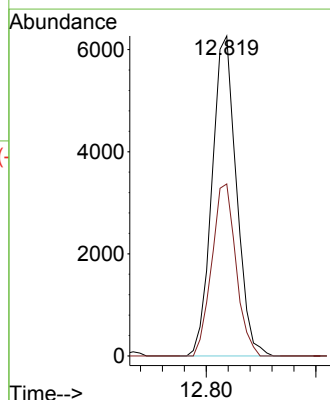
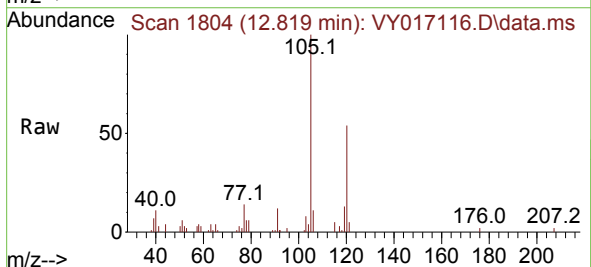
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

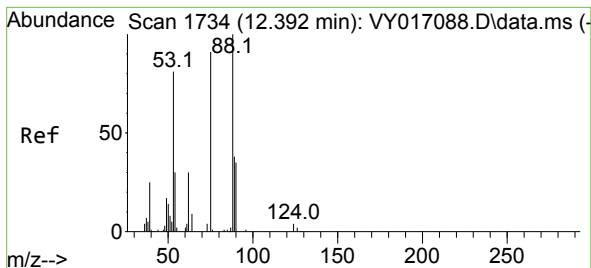
Tgt Ion: 91 Resp: 9415
Ion Ratio Lower Upper
91 100
126 32.8 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 2.079 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.001 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 105 Resp: 9677
Ion Ratio Lower Upper
105 100
120 53.3 24.3 72.8

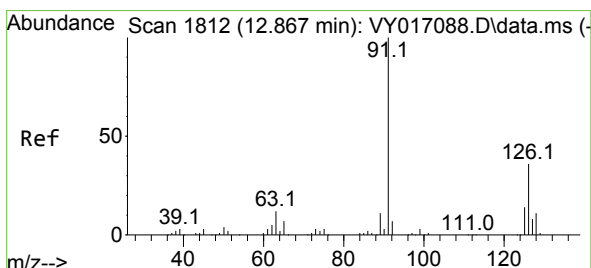
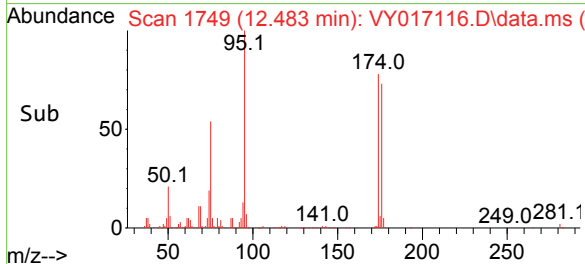
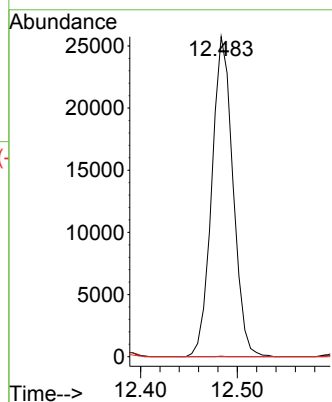
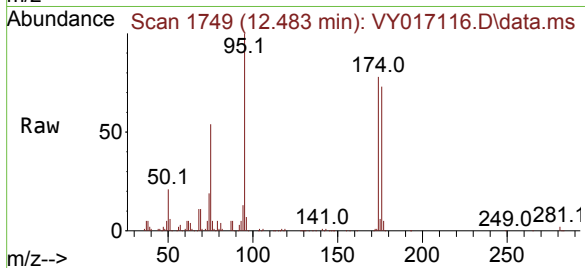




#81
trans-1,4-Dichloro-2-butene
Concen: 117.040 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.098 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

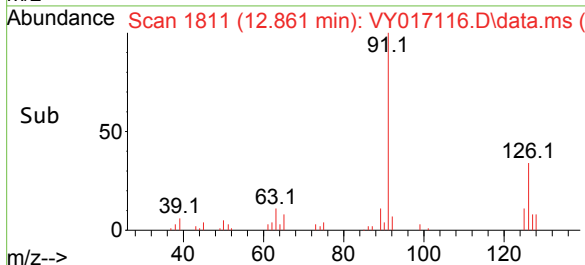
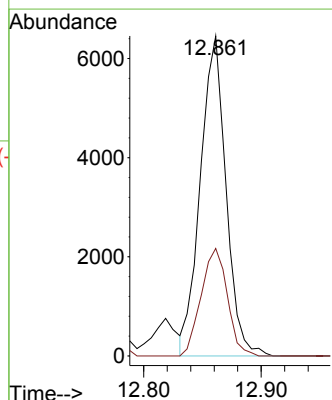
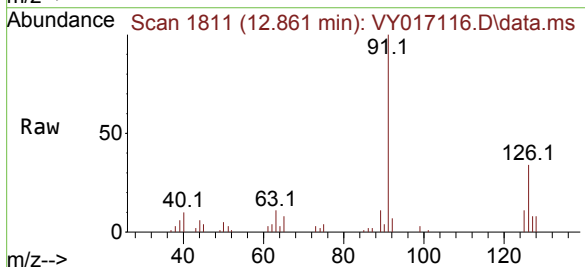
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

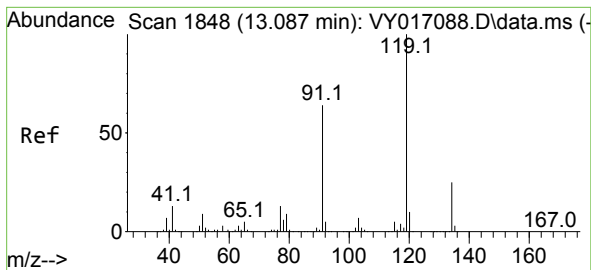
Tgt Ion: 75 Resp: 39263
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#82
4-Chlorotoluene
Concen: 2.436 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion: 91 Resp: 9801
Ion Ratio Lower Upper
91 100
126 34.4 17.1 51.2





#83

tert-Butylbenzene

Concen: 2.168 ug/l

RT: 13.081 min Scan# 119

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

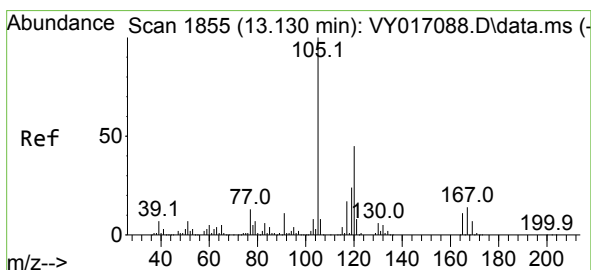
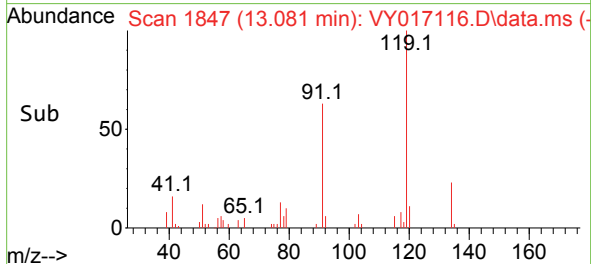
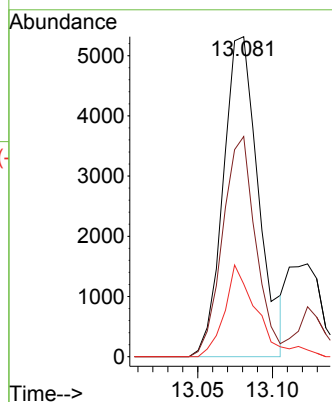
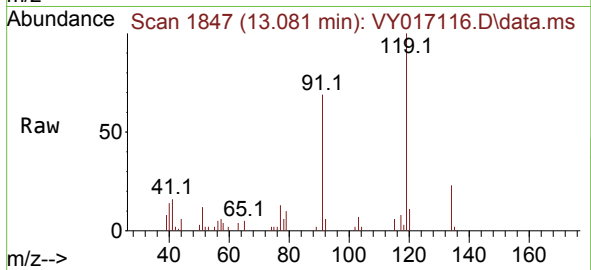
Tgt Ion:119 Resp: 8729

Ion Ratio Lower Upper

119 100

91 64.7 31.5 94.5

134 26.8 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 2.003 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY017116.D

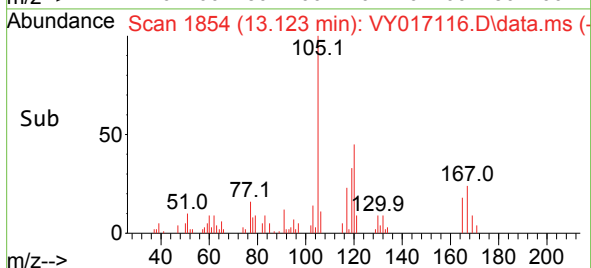
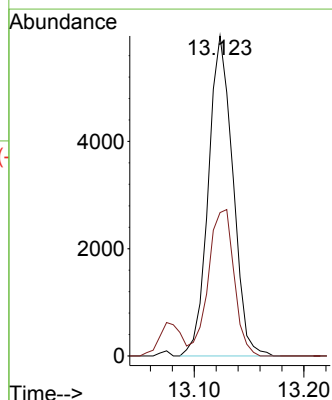
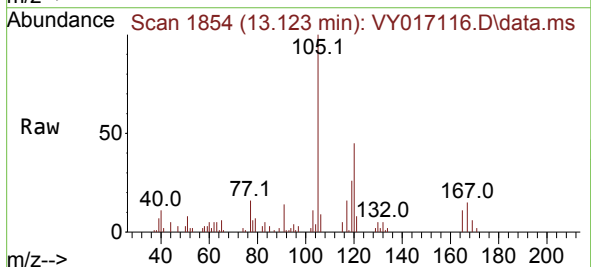
Acq: 26 Jan 2024 13:10

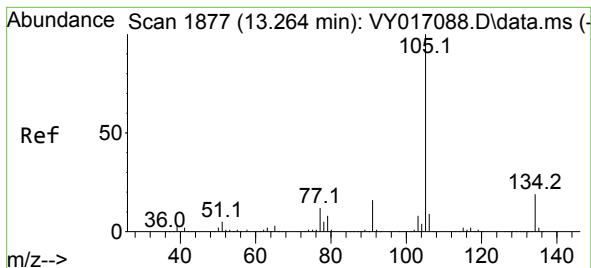
Tgt Ion:105 Resp: 9266

Ion Ratio Lower Upper

105 100

120 48.2 22.1 66.3





#85

sec-Butylbenzene

Concen: 2.211 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. -0.005 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

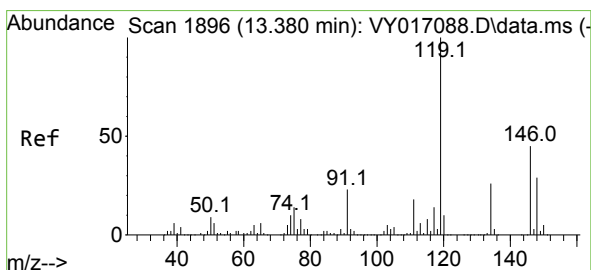
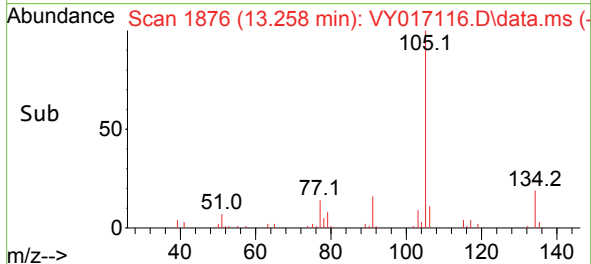
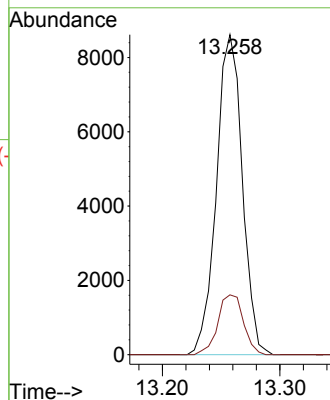
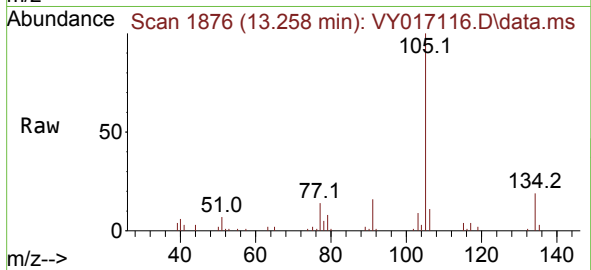
MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 13180

Ion Ratio Lower Upper

105 100

134 18.5 9.7 28.9



#86

p-Isopropyltoluene

Concen: 2.089 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

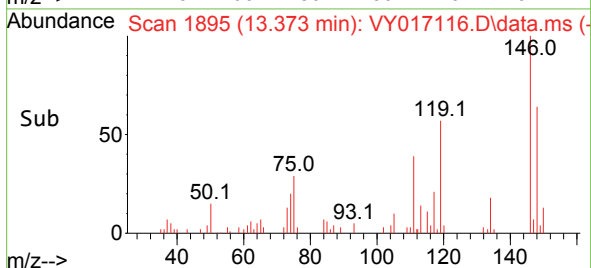
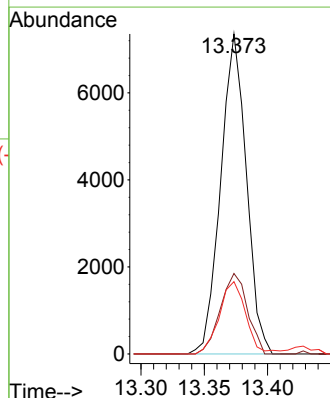
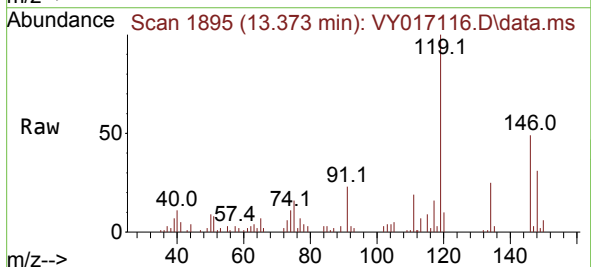
Tgt Ion:119 Resp: 10377

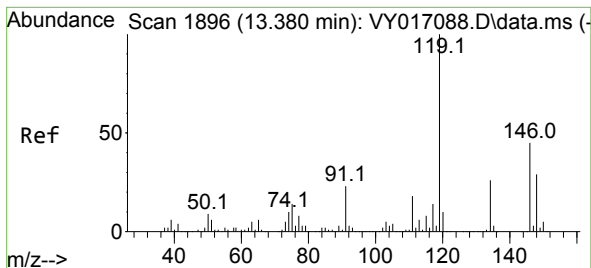
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.1

91 23.5 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 2.438 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

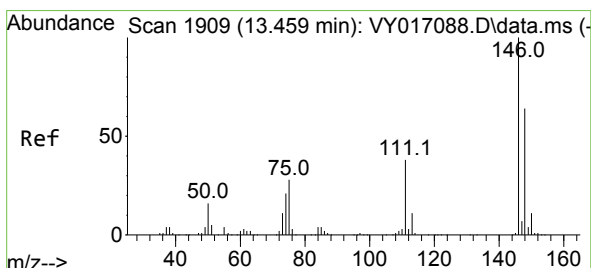
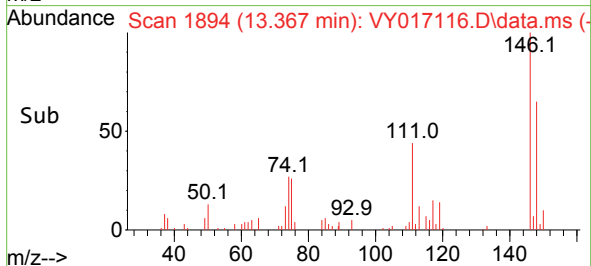
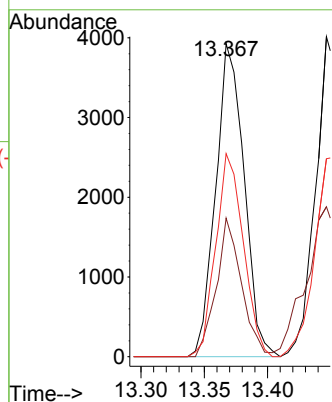
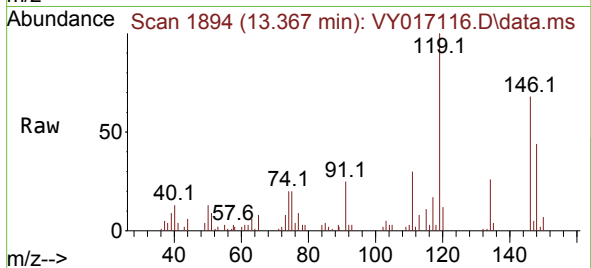
Tgt Ion:146 Resp: 6126

Ion Ratio Lower Upper

146 100

111 39.4 20.2 60.5

148 63.2 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 2.501 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. -0.005 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

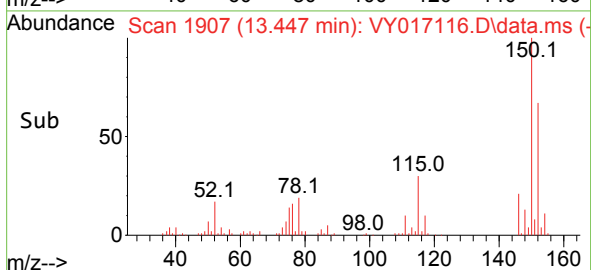
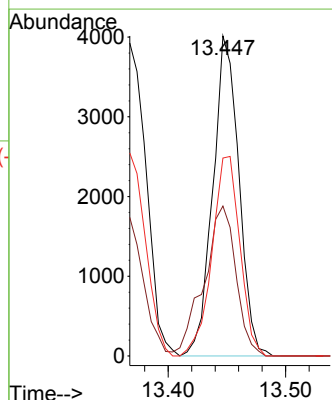
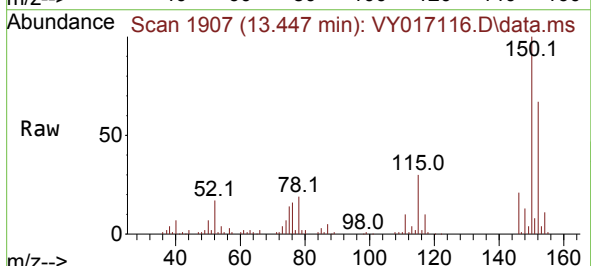
Tgt Ion:146 Resp: 6184

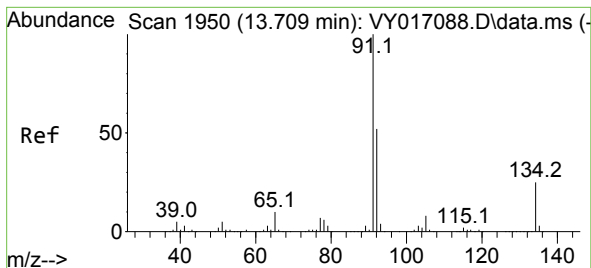
Ion Ratio Lower Upper

146 100

111 57.5 19.3 57.9

148 67.0 31.6 94.7





#89

n-Butylbenzene

Concen: 2.288 ug/l

RT: 13.703 min Scan# 1950

Delta R.T. 0.001 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

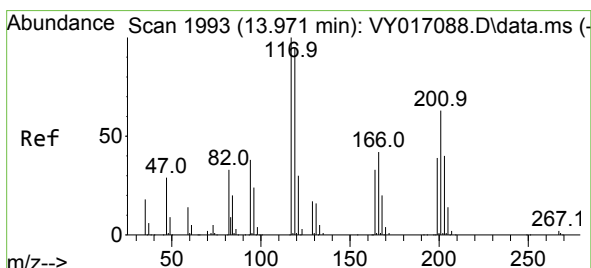
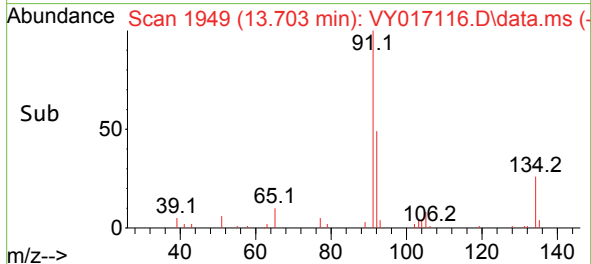
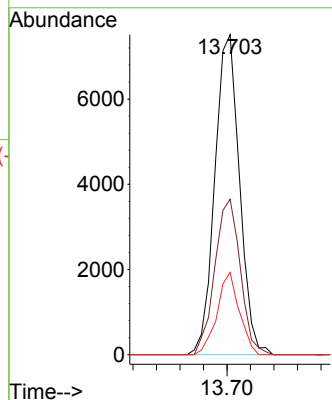
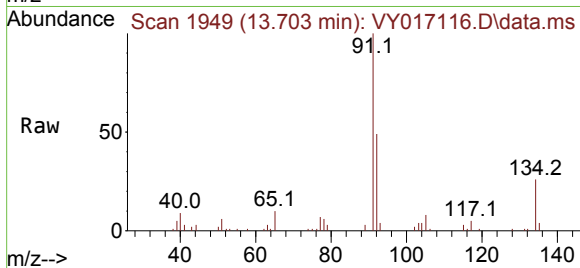
Tgt Ion: 91 Resp: 10963

Ion Ratio Lower Upper

91 100

92 50.2 26.4 79.2

134 23.2 12.3 36.8



#90

Hexachloroethane

Concen: 2.461 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VY017116.D

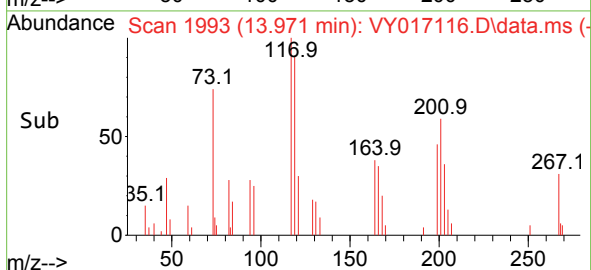
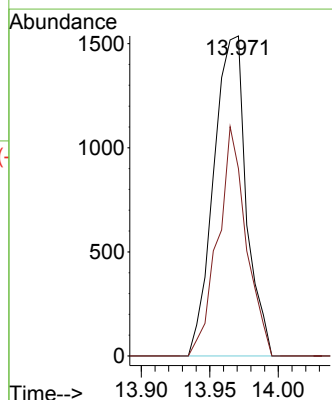
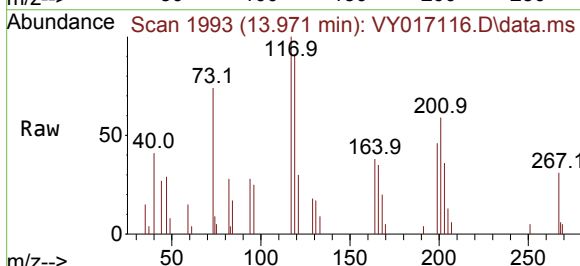
Acq: 26 Jan 2024 13:10

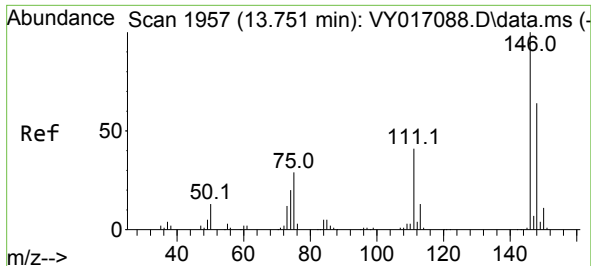
Tgt Ion: 117 Resp: 2548

Ion Ratio Lower Upper

117 100

201 62.1 33.4 100.1





#91

1,2-Dichlorobenzene

Concen: 2.483 ug/l

RT: 13.745 min Scan# 1956

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

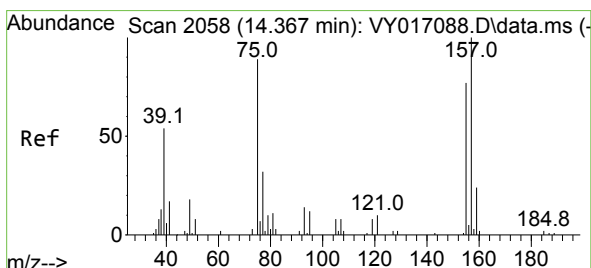
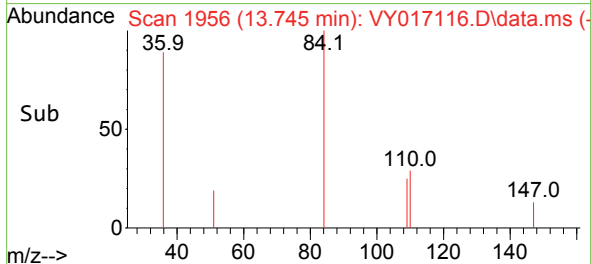
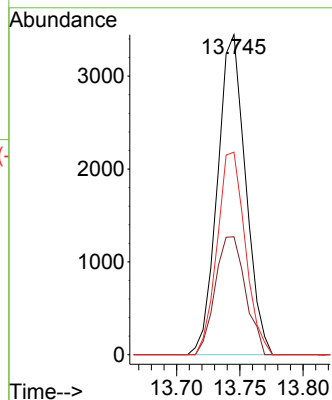
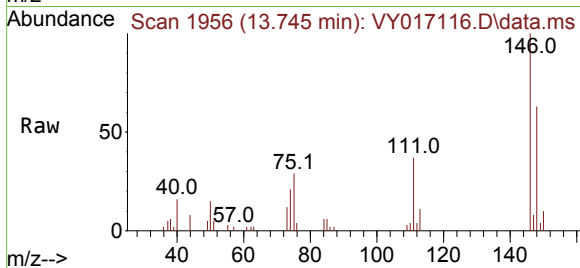
Tgt Ion:146 Resp: 5328

Ion Ratio Lower Upper

146 100

111 39.5 20.5 61.6

148 63.2 31.4 94.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.325 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.012 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

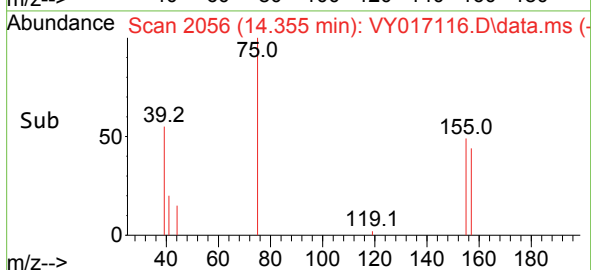
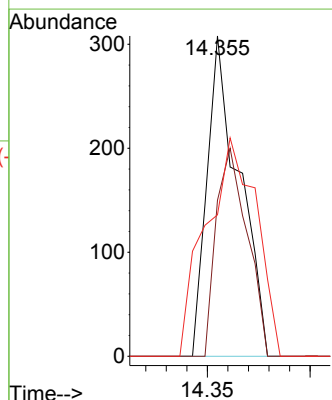
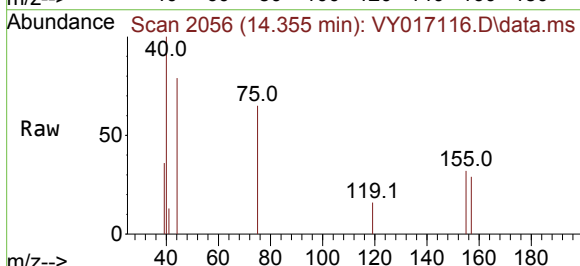
Tgt Ion: 75 Resp: 333

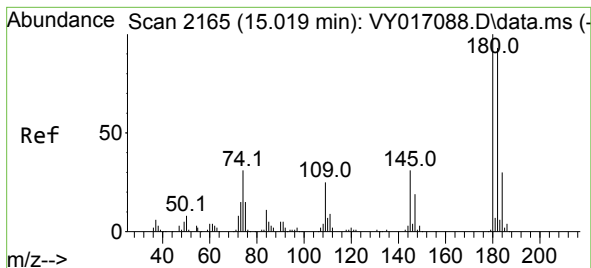
Ion Ratio Lower Upper

75 100

155 63.1 42.1 126.3

157 106.9 55.8 167.4





#93

1,2,4-Trichlorobenzene

Concen: 2.236 ug/l

RT: 15.013 min Scan# 2164

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

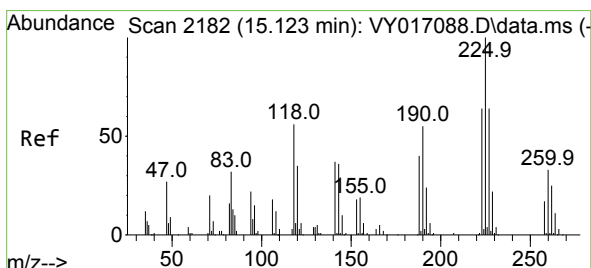
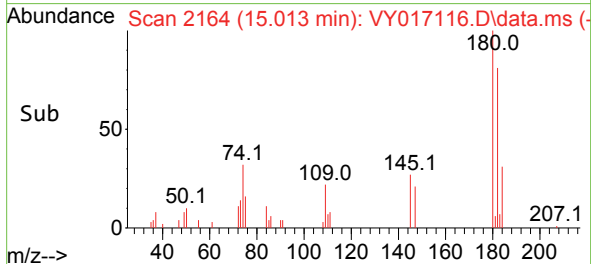
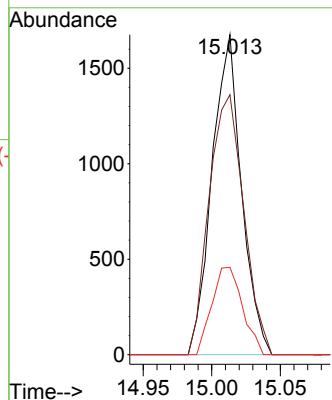
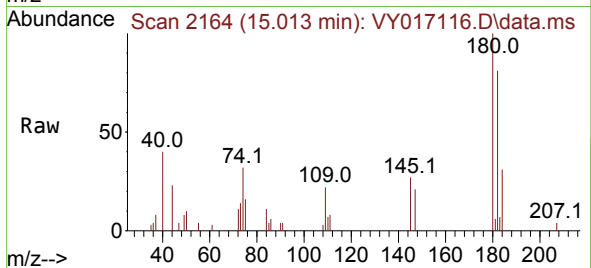
Tgt Ion:180 Resp: 2508

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.7

145 28.4 15.9 47.7



#94

Hexachlorobutadiene

Concen: 2.335 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. -0.006 min

Lab File: VY017116.D

Acq: 26 Jan 2024 13:10

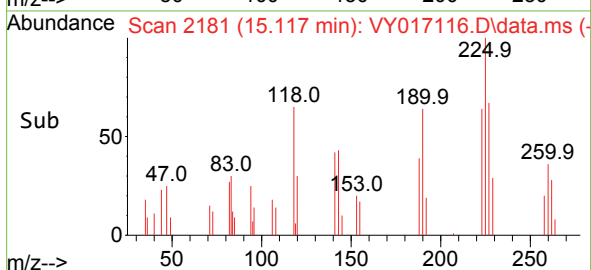
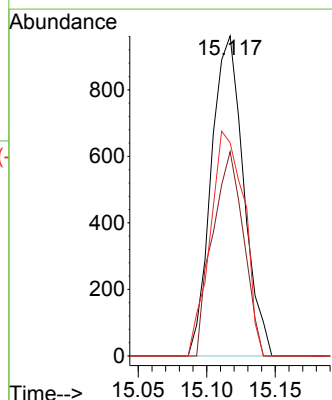
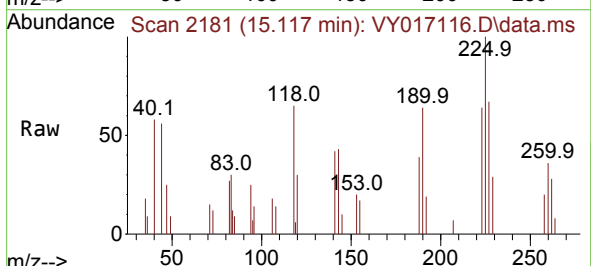
Tgt Ion:225 Resp: 1576

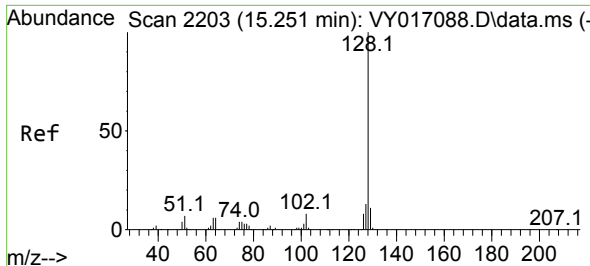
Ion Ratio Lower Upper

225 100

223 61.3 31.4 94.3

227 74.0 32.3 96.8

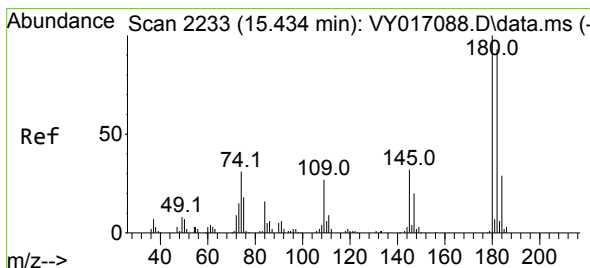
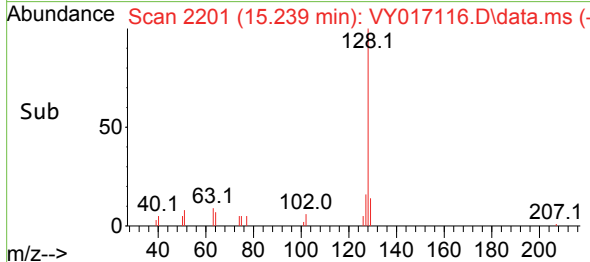
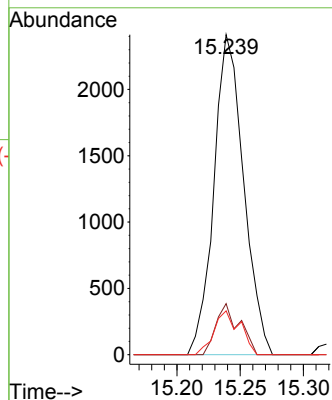
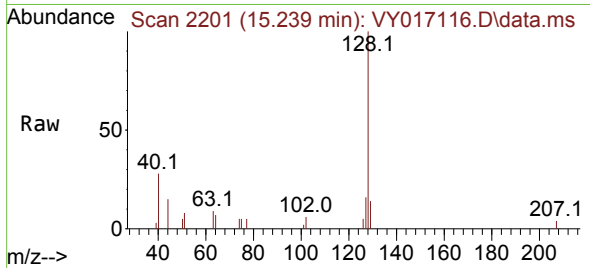




#95
Naphthalene
Concen: 1.990 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

Tgt Ion:128	Resp:	3942
Ion Ratio	Lower	Upper
128	100	
127	12.6	10.2 15.4
129	12.0	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.382 ug/l
RT: 15.434 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY017116.D
Acq: 26 Jan 2024 13:10

Tgt Ion:180	Resp:	2222
Ion Ratio	Lower	Upper
180	100	
182	88.0	46.3 138.8
145	32.2	16.1 48.2

