

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012624\
 Data File : VY017117.D
 Acq On : 26 Jan 2024 13:32
 Operator : SY/MD
 Sample : P1187-03 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jan 29 05:23:22 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	109042	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	189192	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	161339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69225	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	62180	58.528	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.060%	
35) Dibromofluoromethane	7.716	113	63706	55.792	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.580%	
50) Toluene-d8	10.179	98	240001	55.648	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.300%	
62) 4-Bromofluorobenzene	12.483	95	71161	53.561	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.120%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	4712	4.973	ug/l	98
3) Chloromethane	2.107	50	8604	5.412	ug/l	97
4) Vinyl Chloride	2.247	62	10585	5.826	ug/l	99
5) Bromomethane	2.650	94	8156	6.025	ug/l	86
6) Chloroethane	2.784	64	6628	5.693	ug/l	97
7) Trichlorofluoromethane	3.119	101	10141	4.816	ug/l	97
8) Diethyl Ether	3.521	74	2839	4.519	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.899	101	6021	4.937	ug/l	97
10) Methyl Iodide	4.082	142	4527	3.907	ug/l	97
11) Tert butyl alcohol	4.936	59	3328	41.337	ug/l #	75
12) 1,1-Dichloroethene	3.869	96	5215	4.671	ug/l	94
13) Acrolein	3.729	56	3017	23.679	ug/l	89
14) Allyl chloride	4.479	41	7981	4.729	ug/l	99
15) Acrylonitrile	5.155	53	6116	22.430	ug/l	95
16) Acetone	3.948	43	7188	20.860	ug/l	98
17) Carbon Disulfide	4.186	76	16786	4.988	ug/l #	93
18) Methyl Acetate	4.472	43	4797	4.401	ug/l #	76
19) Methyl tert-butyl Ether	5.216	73	11418	4.191	ug/l #	88
20) Methylene Chloride	4.716	84	10950	7.480	ug/l	89
21) trans-1,2-Dichloroethene	5.210	96	5920	4.584	ug/l	93
22) Diisopropyl ether	6.112	45	16359	4.392	ug/l	98
23) Vinyl Acetate	6.051	43	38343	21.220	ug/l	98
24) 1,1-Dichloroethane	6.009	63	11025	4.853	ug/l	96
25) 2-Butanone	6.990	43	8792	20.786	ug/l	95
26) 2,2-Dichloropropane	6.978	77	9151	4.716	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	6431	4.494	ug/l	92
28) Bromochloromethane	7.338	49	3593	3.972	ug/l #	93
29) Tetrahydrofuran	7.350	42	4800	22.281	ug/l	98
30) Chloroform	7.502	83	11598	5.013	ug/l	100
31) Cyclohexane	7.789	56	10890	5.187	ug/l #	71
32) 1,1,1-Trichloroethane	7.697	97	9431	4.754	ug/l	94
36) 1,1-Dichloropropene	7.917	75	8729	4.646	ug/l	99
37) Ethyl Acetate	7.069	43	3914	4.845	ug/l #	97
38) Carbon Tetrachloride	7.893	117	7944	4.315	ug/l	96
39) Methylcyclohexane	9.185	83	9632	4.263	ug/l	93
40) Benzene	8.161	78	25618	4.695	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	1438	3.328	ug/l #	77
42) 1,2-Dichloroethane	8.240	62	6818	4.820	ug/l	98
43) Isopropyl Acetate	8.271	43	6591	4.370	ug/l #	90
44) Trichloroethene	8.941	130	6378	4.558	ug/l	97
45) 1,2-Dichloropropane	9.222	63	6206	4.634	ug/l	100
46) Dibromomethane	9.307	93	3118	4.384	ug/l	98
47) Bromodichloromethane	9.502	83	8254	4.562	ug/l	93
48) Methyl methacrylate	9.295	41	3294	3.934	ug/l	95
49) 1,4-Dioxane	9.301	88	581	83.062	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	15754	19.638	ug/l	99
52) Toluene	10.246	92	14762	4.470	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	6874	4.159	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	8650	4.255	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	4417	4.444	ug/l	95
56) Ethyl methacrylate	10.514	69	3111	3.579	ug/l #	85
57) 1,3-Dichloropropane	10.794	76	7425	4.418	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	10921	18.100	ug/l	99
59) 2-Hexanone	10.837	43	11256	18.391	ug/l	98
60) Dibromochloromethane	10.983	129	4908	4.250	ug/l	97
61) 1,2-Dibromoethane	11.087	107	3782	4.188	ug/l	99
64) Tetrachloroethene	10.721	164	5232	4.652	ug/l	89
65) Chlorobenzene	11.520	112	15462	4.522	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	5224	4.183	ug/l	95
67) Ethyl Benzene	11.593	91	26221	4.219	ug/l	95
68) m/p-Xylenes	11.703	106	18653	7.988	ug/l	97
69) o-Xylene	12.032	106	8387	3.954	ug/l	97
70) Styrene	12.044	104	11666	3.788	ug/l	97
71) Bromoform	12.209	173	2535	4.048	ug/l #	96
73) Isopropylbenzene	12.331	105	22485	3.951	ug/l	99
74) N-amyl acetate	12.148	43	4507	3.929	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	4769	4.395	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	5839	6.949	ug/l #	100
77) Bromobenzene	12.611	156	5651	4.589	ug/l	97
78) n-propylbenzene	12.672	91	28953	4.230	ug/l	98
79) 2-Chlorotoluene	12.764	91	16761	4.462	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	17950	3.985	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	1319	4.064	ug/l	92
82) 4-Chlorotoluene	12.855	91	17646	4.533	ug/l	98
83) tert-Butylbenzene	13.075	119	15344	3.939	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	17025	3.803	ug/l	98
85) sec-Butylbenzene	13.257	105	23376	4.052	ug/l	99
86) p-Isopropyltoluene	13.373	119	18319	3.812	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	10713	4.407	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	10870	4.544	ug/l	92
89) n-Butylbenzene	13.696	91	18949	4.088	ug/l	97
90) Hexachloroethane	13.965	117	4473	4.466	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	9240	4.450	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	597	4.307	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	3842	3.541	ug/l	96
94) Hexachlorobutadiene	15.117	225	2823	4.323	ug/l	95
95) Naphthalene	15.239	128	6209	3.240	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	3512	3.891	ug/l	94

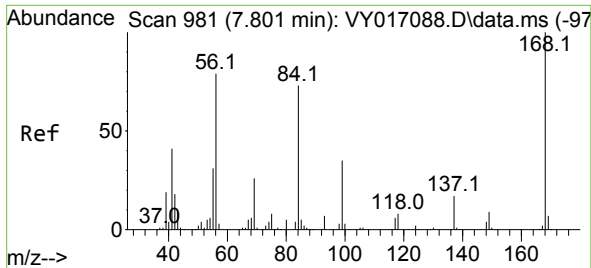
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY017117.D

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MSVOA_Y

ClientSampleId :

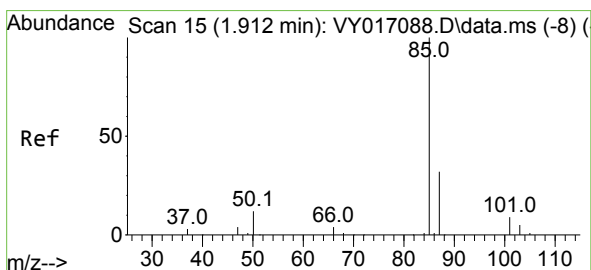
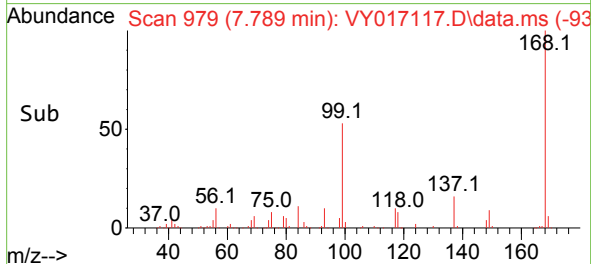
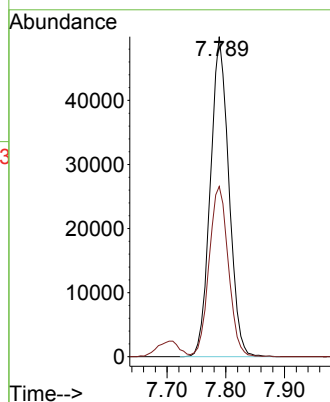
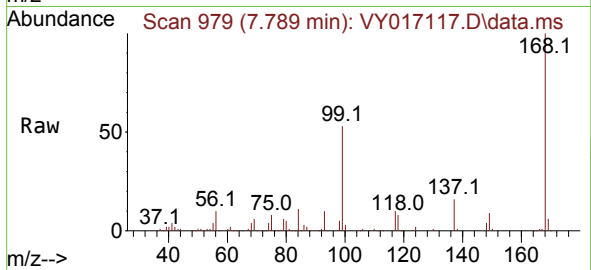
MDL-SOIL-03-QT1-2024

Tgt Ion:168 Resp: 109042

Ion Ratio Lower Upper

168 100

99 53.2 44.2 66.4



#2

Dichlorodifluoromethane

Concen: 4.973 ug/l

RT: 1.900 min Scan# 13

Delta R.T. -0.012 min

Lab File: VY017117.D

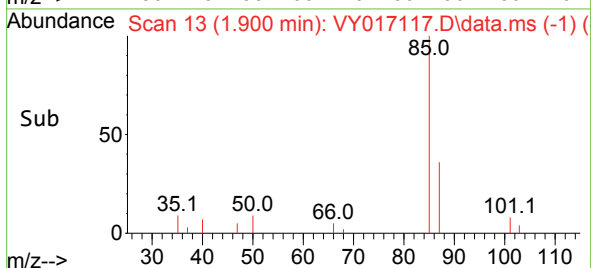
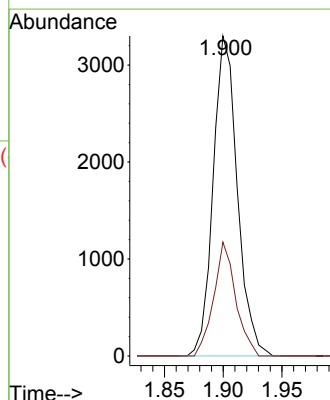
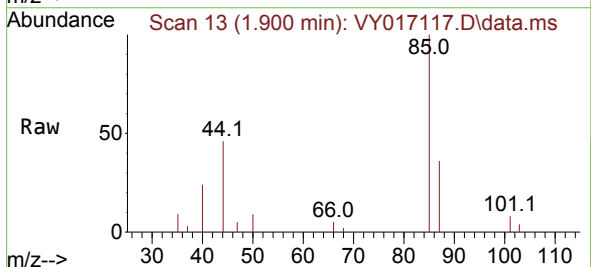
Acq: 26 Jan 2024 13:32

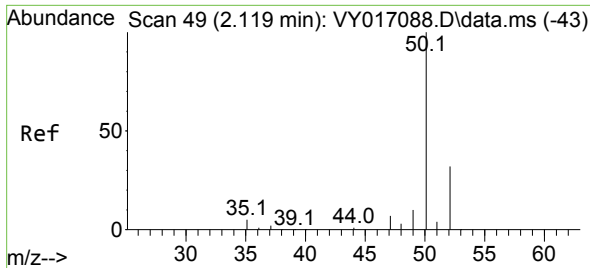
Tgt Ion: 85 Resp: 4712

Ion Ratio Lower Upper

85 100

87 35.5 17.1 51.3





#3

Chloromethane

Concen: 5.412 ug/l

RT: 2.107 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

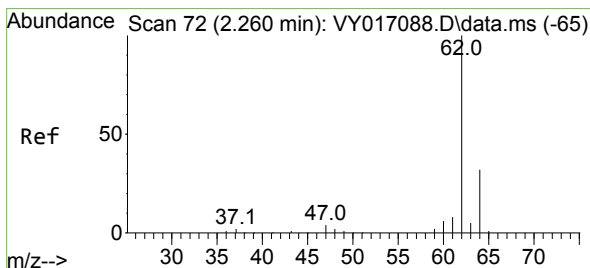
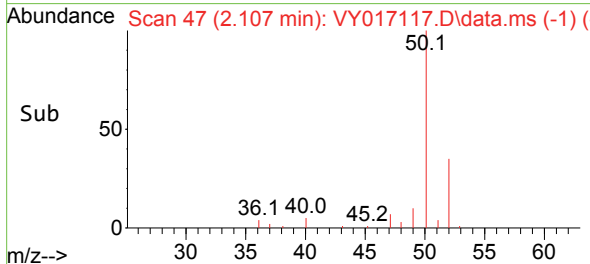
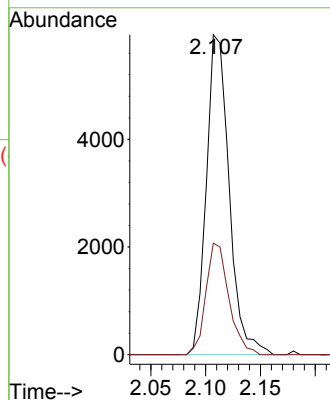
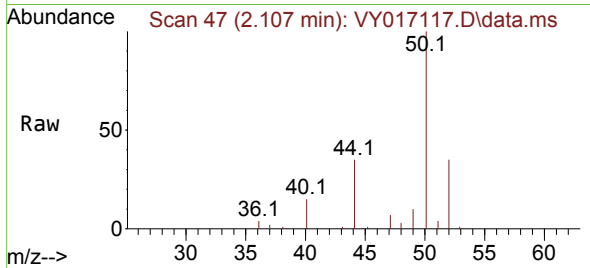
MDL-SOIL-03-QT1-2024

Tgt Ion: 50 Resp: 8604

Ion Ratio Lower Upper

50 100

52 34.9 26.7 40.1



#4

Vinyl Chloride

Concen: 5.826 ug/l

RT: 2.247 min Scan# 70

Delta R.T. -0.012 min

Lab File: VY017117.D

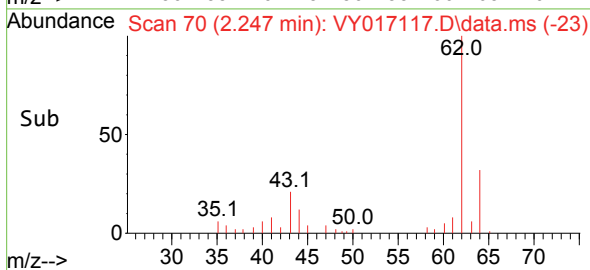
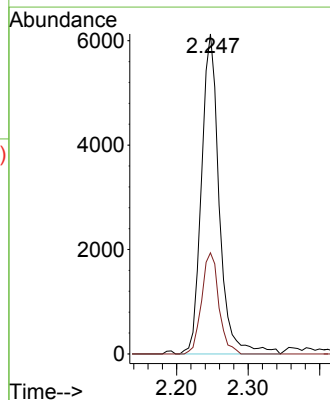
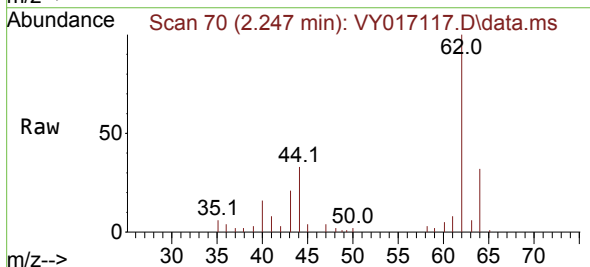
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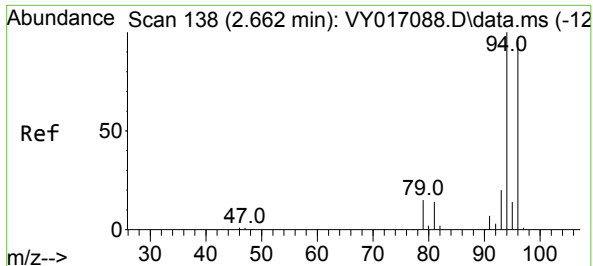
Tgt Ion: 62 Resp: 10585

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 6.025 ug/l

RT: 2.650 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

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ClientSampleId :

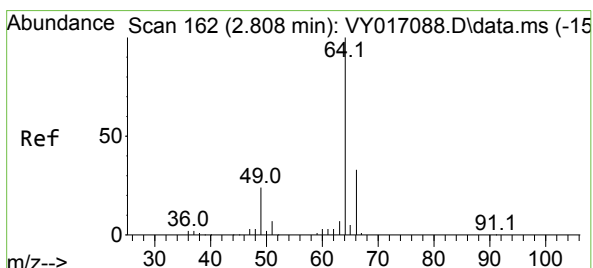
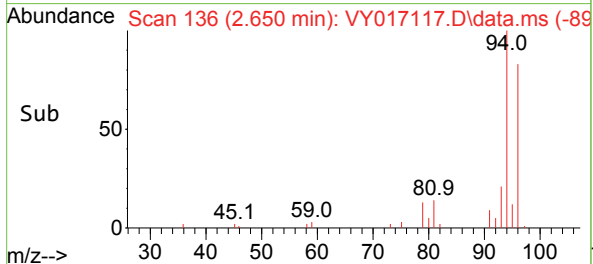
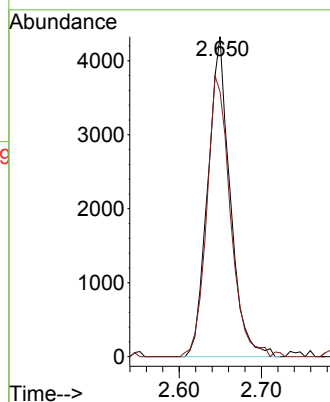
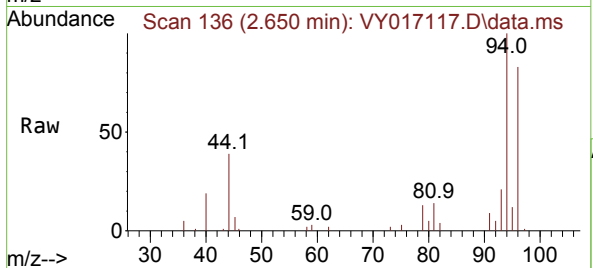
MDL-SOIL-03-QT1-2024

Tgt Ion: 94 Resp: 8156

Ion Ratio Lower Upper

94 100

96 82.8 77.3 115.9



#6

Chloroethane

Concen: 5.693 ug/l

RT: 2.784 min Scan# 158

Delta R.T. -0.024 min

Lab File: VY017117.D

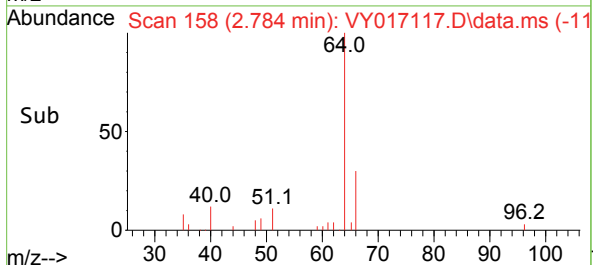
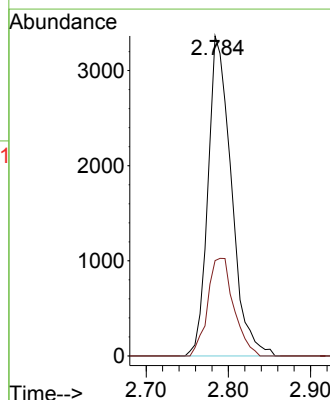
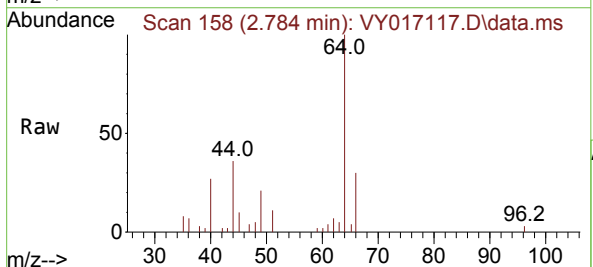
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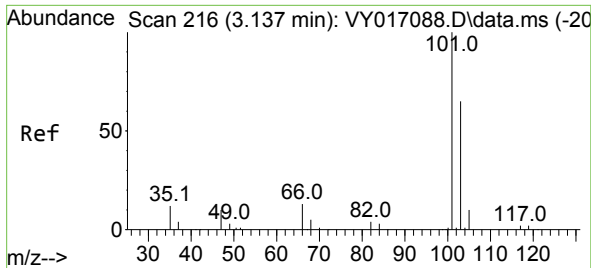
Tgt Ion: 64 Resp: 6628

Ion Ratio Lower Upper

64 100

66 29.8 25.1 37.7

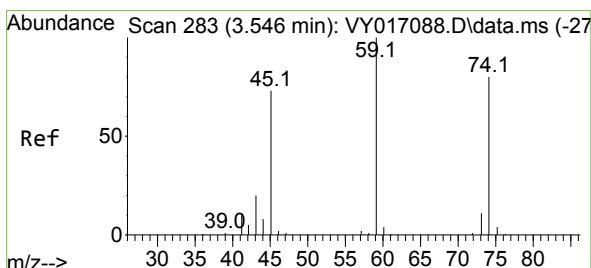
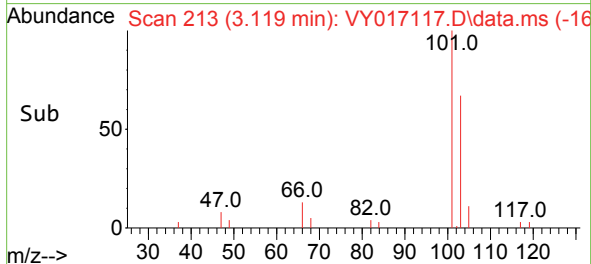
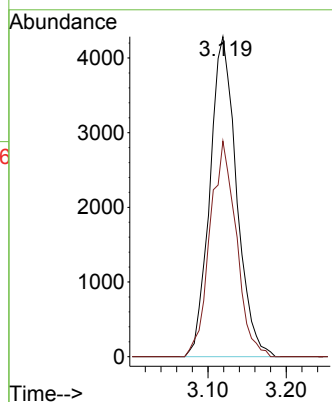
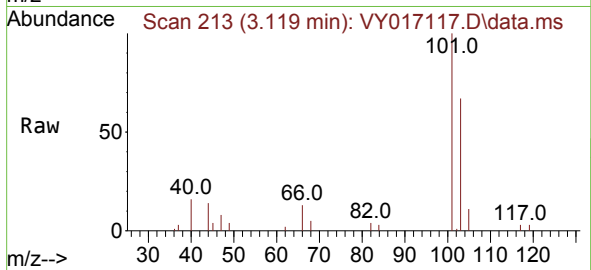




#7
 Trichlorofluoromethane
 Concen: 4.816 ug/l
 RT: 3.119 min Scan# 216
 Delta R.T. -0.018 min
 Lab File: VY017117.D
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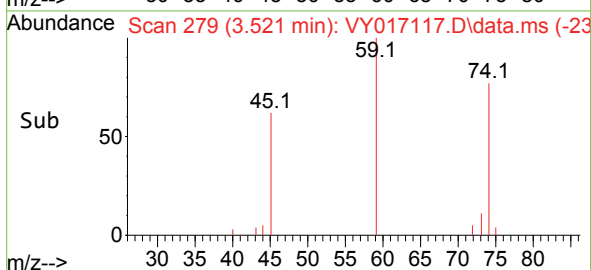
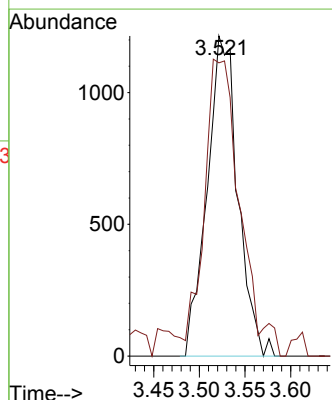
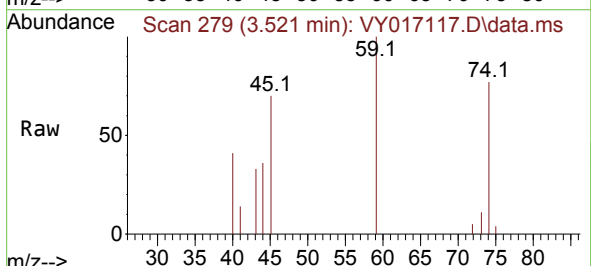
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 MDL-SOIL-03-QT1-2024

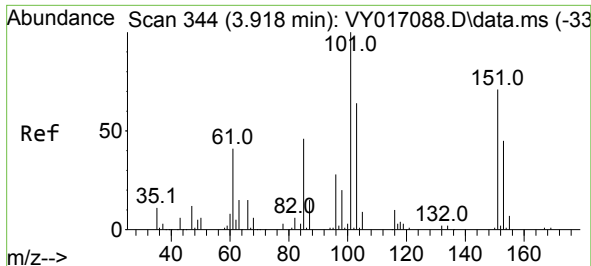
Tgt Ion:101 Resp: 10141
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.9 77.9



#8
 Diethyl Ether
 Concen: 4.519 ug/l
 RT: 3.521 min Scan# 279
 Delta R.T. -0.019 min
 Lab File: VY017117.D
 Acq: 26 Jan 2024 13:32

Tgt Ion: 74 Resp: 2839
 Ion Ratio Lower Upper
 74 100
 45 108.0 47.9 143.7

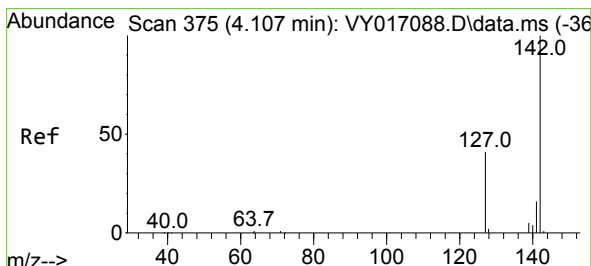
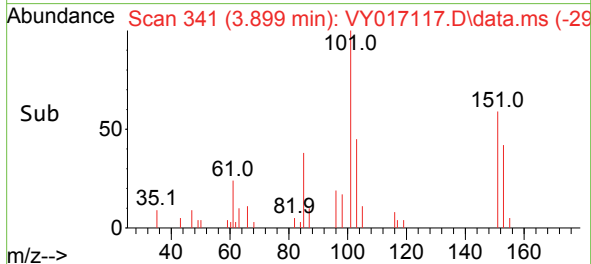
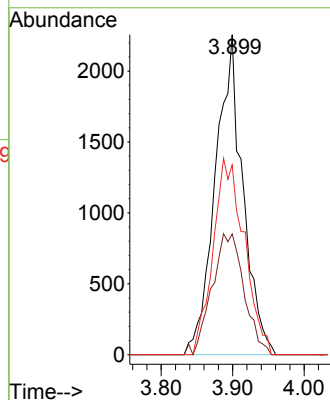
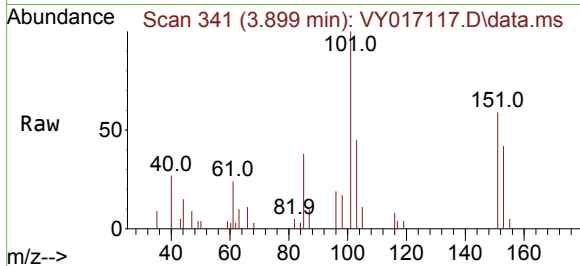




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.937 ug/l
RT: 3.899 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY017117.D
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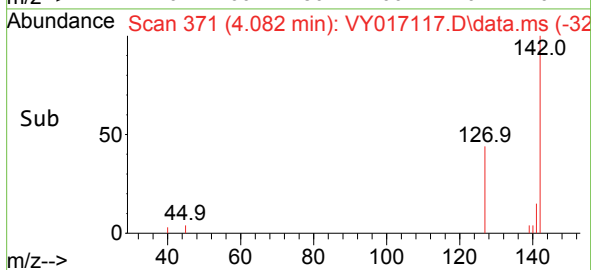
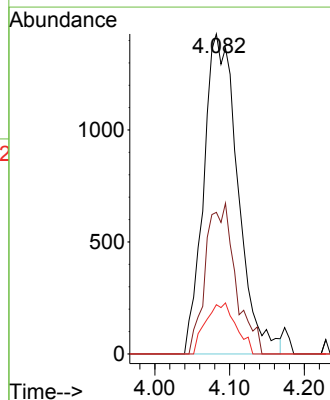
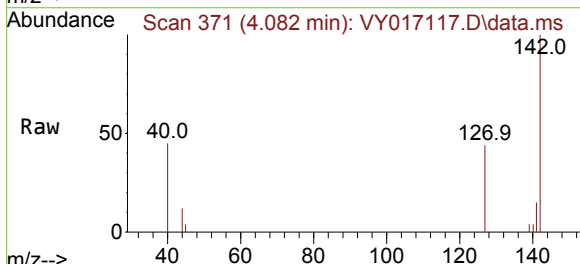
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

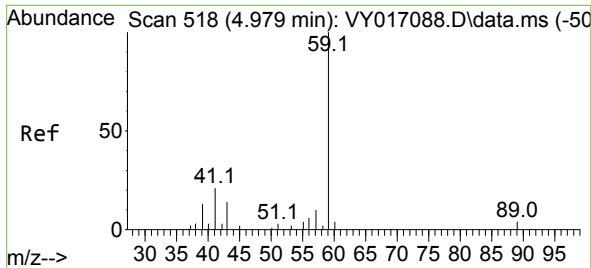
Tgt Ion:	101	Resp:	6021
Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.8	53.6
151	69.6	58.6	88.0



#10
Methyl Iodide
Concen: 3.907 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.024 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion:	142	Resp:	4527
Ion	Ratio	Lower	Upper
142	100		
127	41.4	35.1	52.7
141	14.2	11.8	17.6

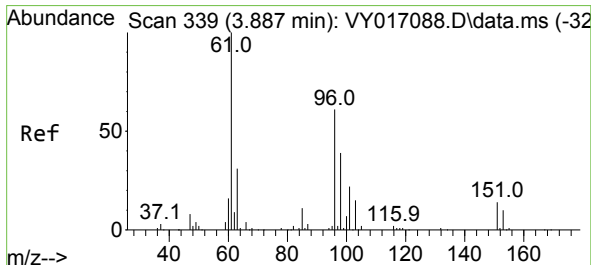
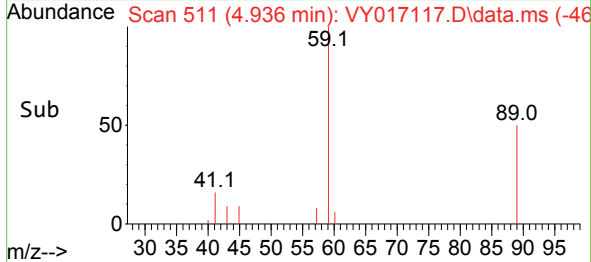
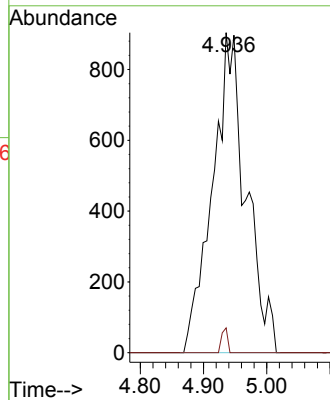
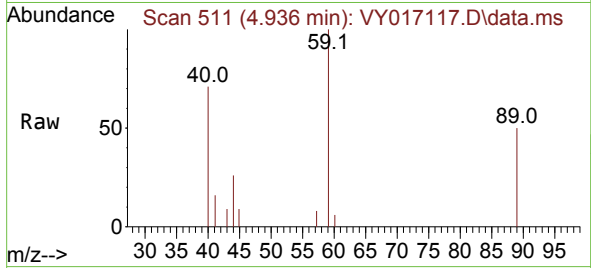




#11
Tert butyl alcohol
Concen: 41.337 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

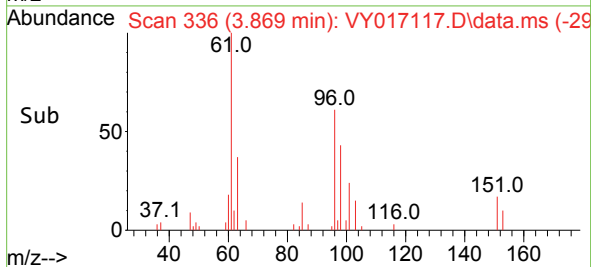
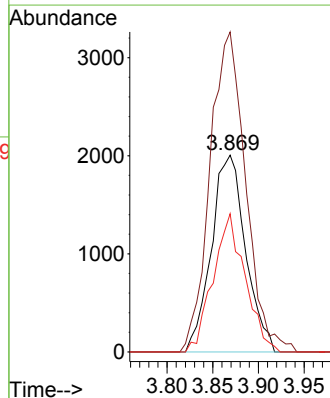
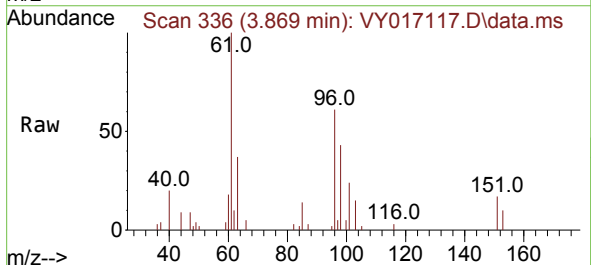
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

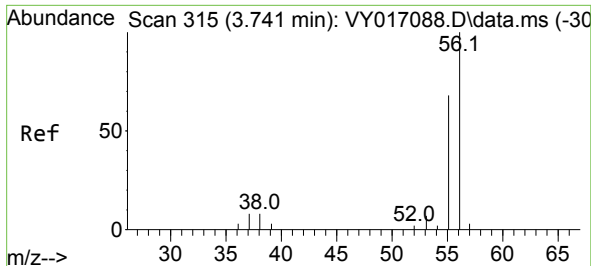
Tgt Ion: 59 Resp: 3328
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



#12
1,1-Dichloroethene
Concen: 4.671 ug/l
RT: 3.869 min Scan# 336
Delta R.T. -0.018 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 96 Resp: 5215
Ion Ratio Lower Upper
96 100
61 162.6 124.2 186.2
98 70.2 52.6 79.0





#13

Acrolein

Concen: 23.679 ug/l

RT: 3.729 min Scan# 315

Delta R.T. -0.012 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

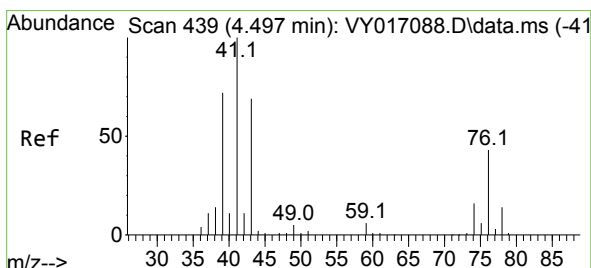
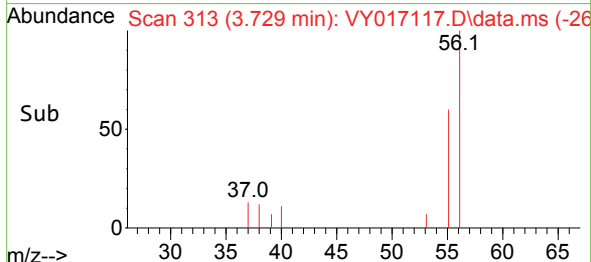
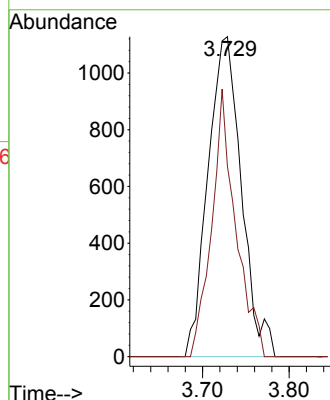
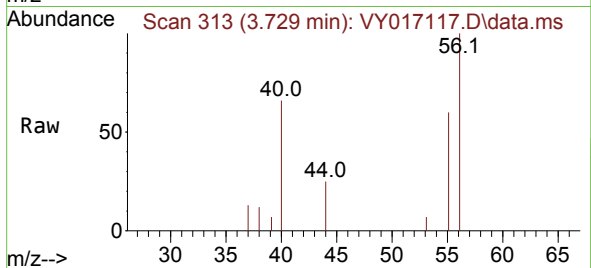
MDL-SOIL-03-QT1-2024

Tgt Ion: 56 Resp: 3017

Ion Ratio Lower Upper

56 100

55 60.2 55.4 83.0



#14

Allyl chloride

Concen: 4.729 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.018 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

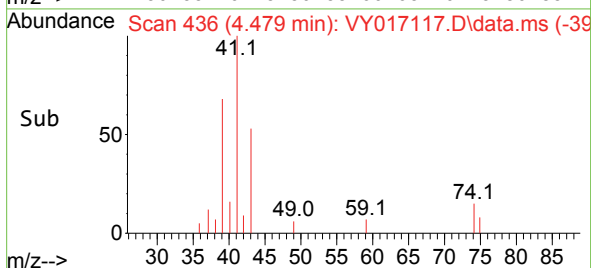
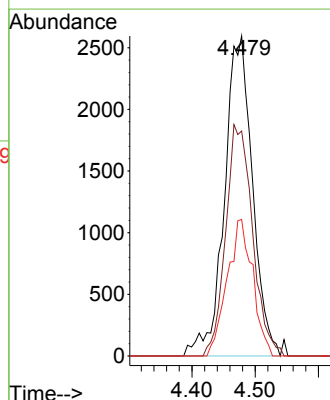
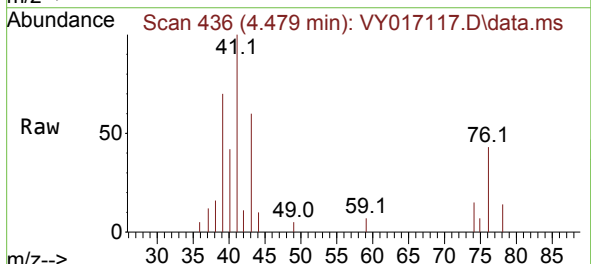
Tgt Ion: 41 Resp: 7981

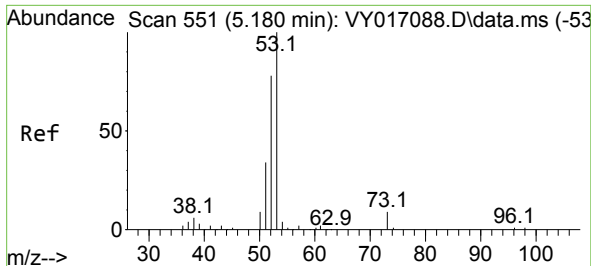
Ion Ratio Lower Upper

41 100

39 69.4 54.7 82.1

76 38.8 31.8 47.6

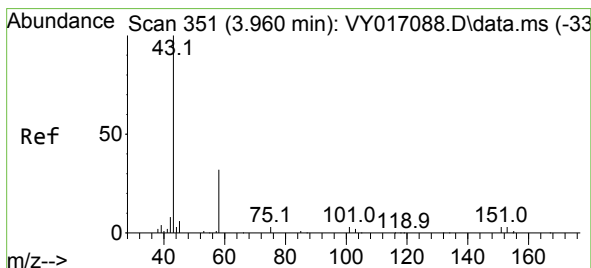
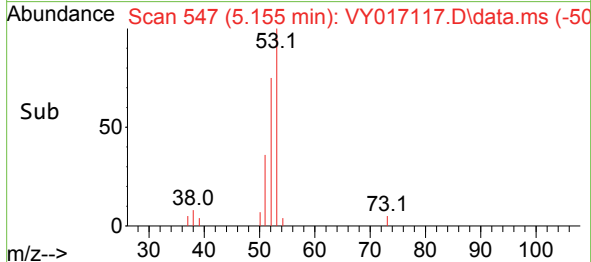
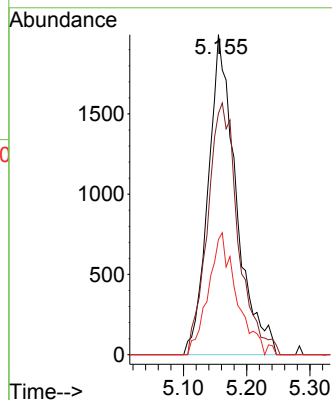
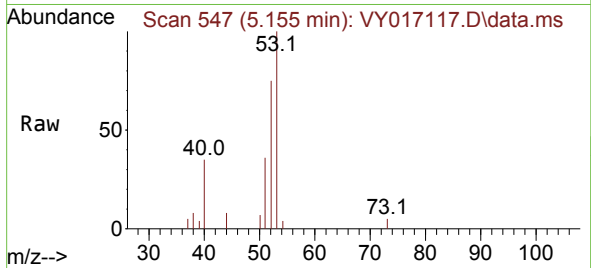




#15
Acrylonitrile
Concen: 22.430 ug/l
RT: 5.155 min Scan# 54
Delta R.T. -0.024 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

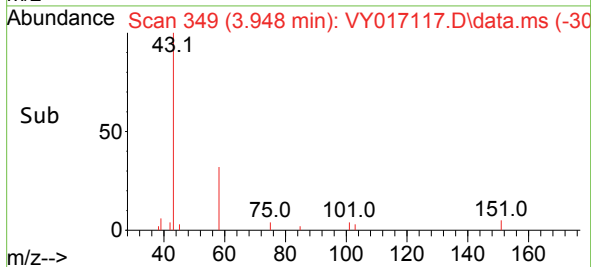
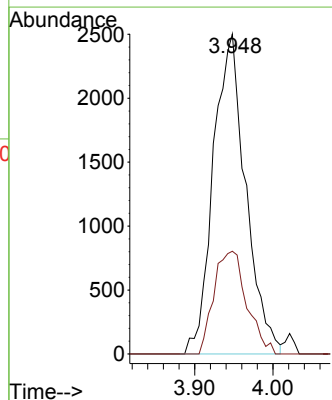
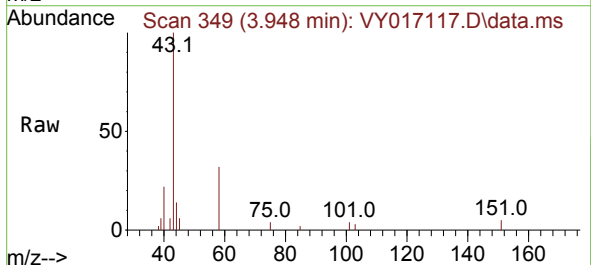
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

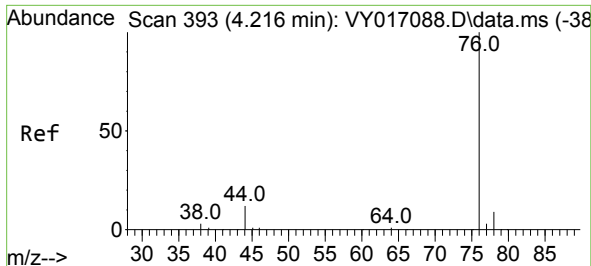
Tgt Ion: 53 Resp: 6116
Ion Ratio Lower Upper
53 100
52 86.2 65.1 97.7
51 38.3 29.0 43.4



#16
Acetone
Concen: 20.860 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 43 Resp: 7188
Ion Ratio Lower Upper
43 100
58 32.1 26.6 39.8





#17

Carbon Disulfide

Concen: 4.988 ug/l

RT: 4.186 min Scan# 3

Delta R.T. -0.024 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

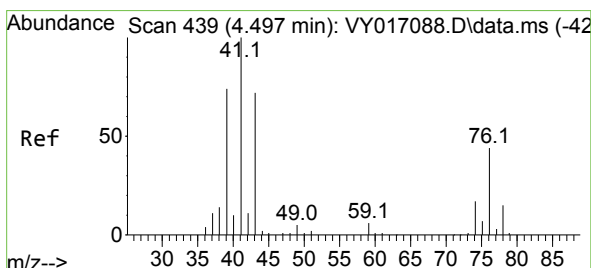
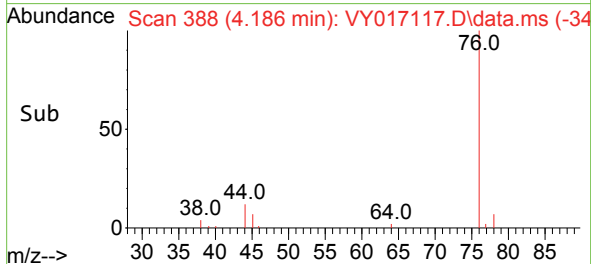
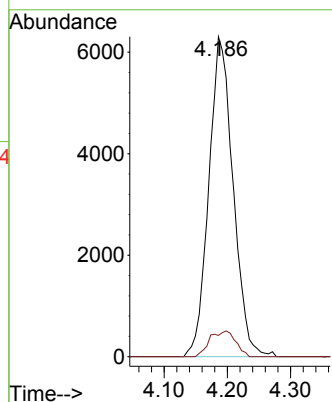
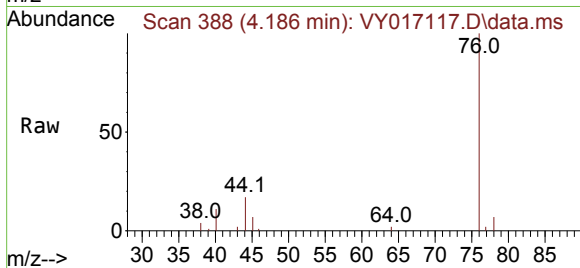
MDL-SOIL-03-QT1-2024

Tgt Ion: 76 Resp: 16786

Ion Ratio Lower Upper

76 100

78 6.6 7.4 11.0#



#18

Methyl Acetate

Concen: 4.401 ug/l

RT: 4.472 min Scan# 435

Delta R.T. -0.025 min

Lab File: VY017117.D

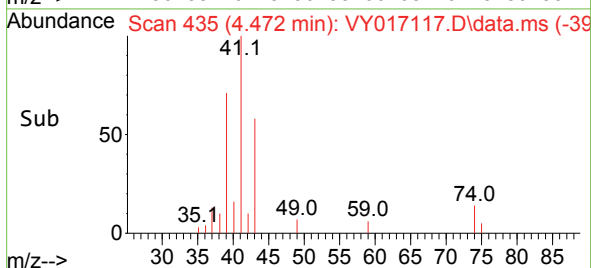
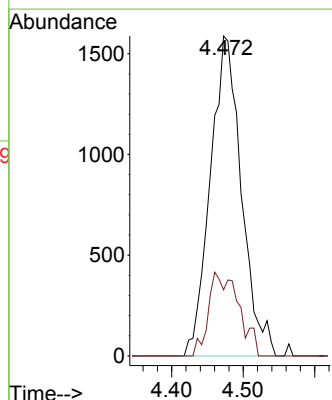
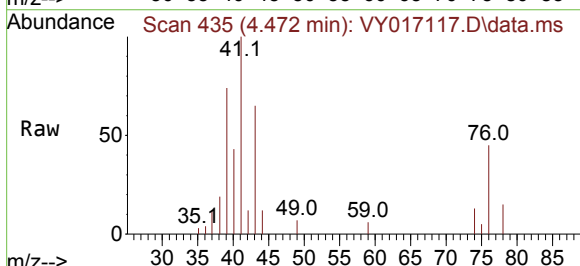
Acq: 26 Jan 2024 13:32

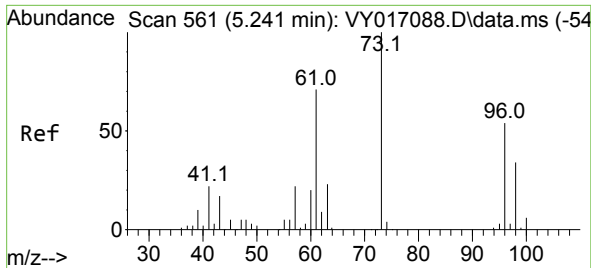
Tgt Ion: 43 Resp: 4797

Ion Ratio Lower Upper

43 100

74 13.0 19.8 29.6#

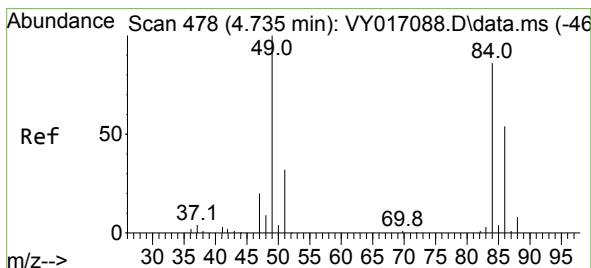
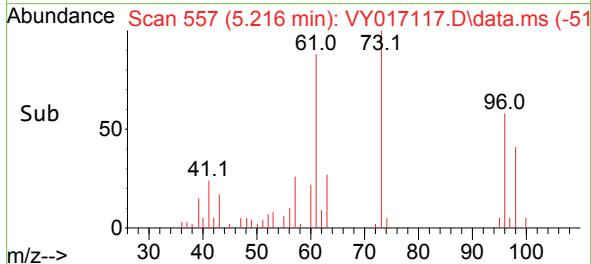
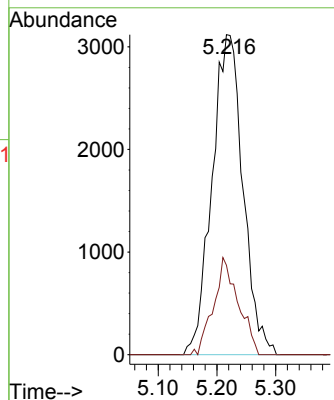
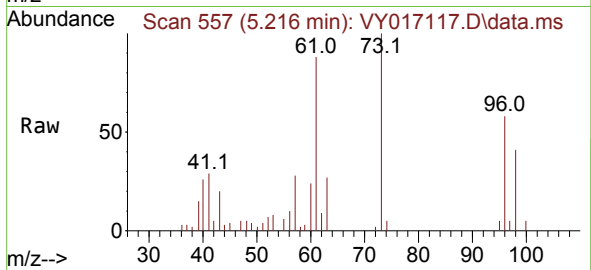




#19
Methyl tert-butyl Ether
Concen: 4.191 ug/l
RT: 5.216 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

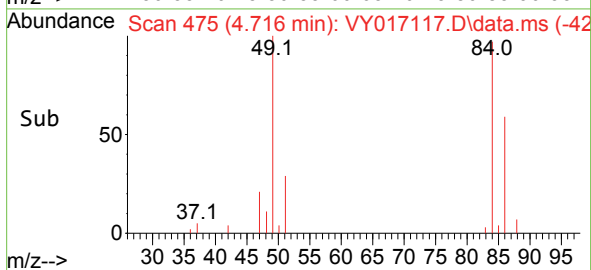
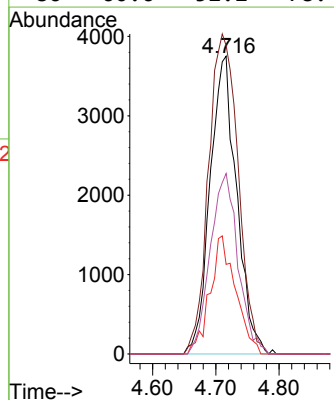
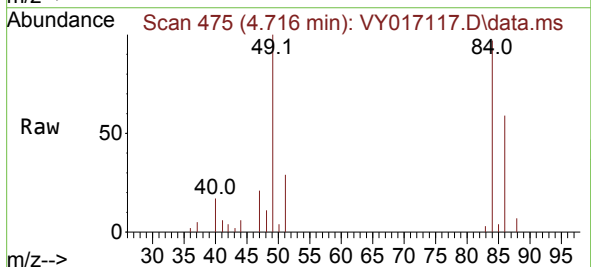
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

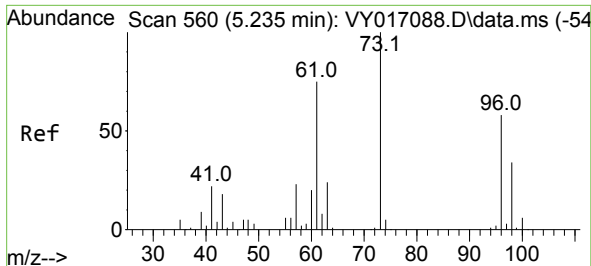
Tgt Ion: 73 Resp: 11418
Ion Ratio Lower Upper
73 100
57 28.0 17.7 26.5#



#20
Methylene Chloride
Concen: 7.480 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.018 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 84 Resp: 10950
Ion Ratio Lower Upper
84 100
49 103.6 95.2 142.8
51 30.1 29.9 44.9
86 60.6 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 4.584 ug/l

RT: 5.210 min Scan# 51

Delta R.T. -0.030 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

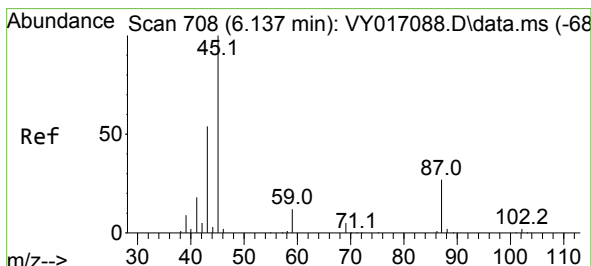
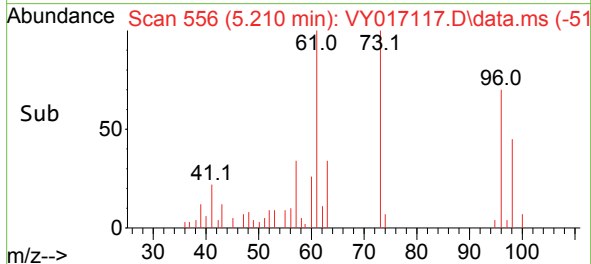
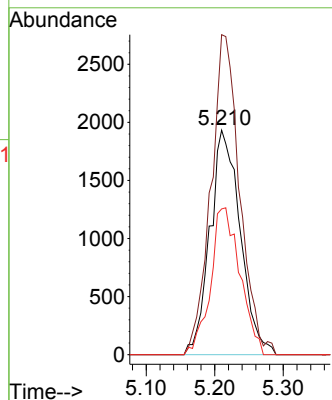
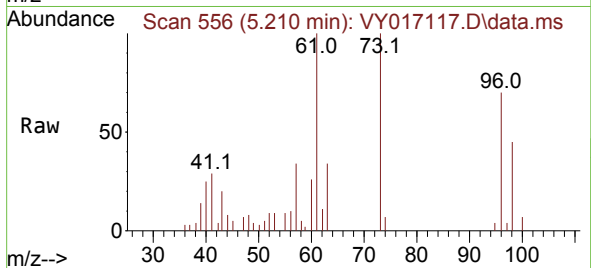
Tgt Ion: 96 Resp: 5920

Ion Ratio Lower Upper

96 100

61 142.5 104.6 156.8

98 64.9 50.9 76.3



#22

Diisopropyl ether

Concen: 4.392 ug/l

RT: 6.112 min Scan# 704

Delta R.T. -0.019 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Tgt Ion: 45 Resp: 16359

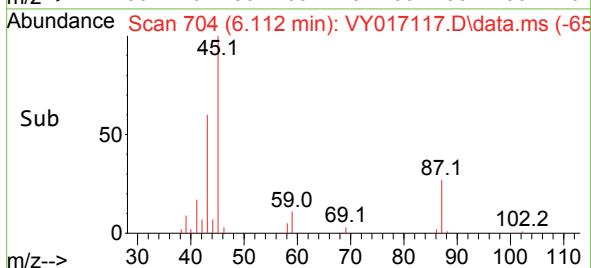
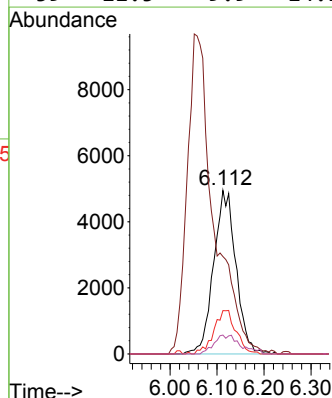
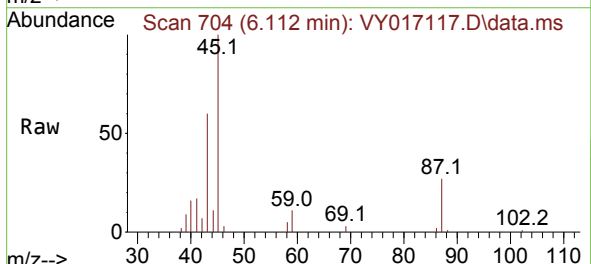
Ion Ratio Lower Upper

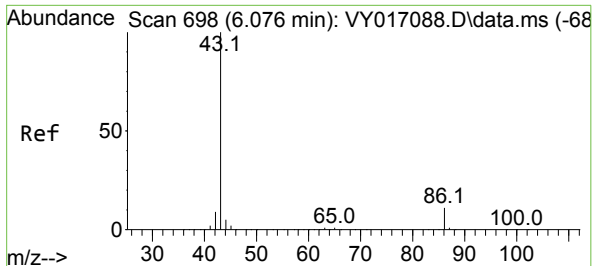
45 100

43 59.6 46.8 70.2

87 26.5 22.2 33.2

59 11.5 9.9 14.9

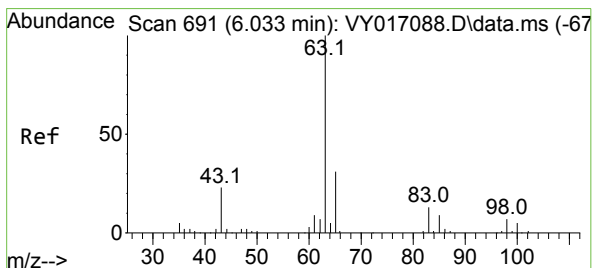
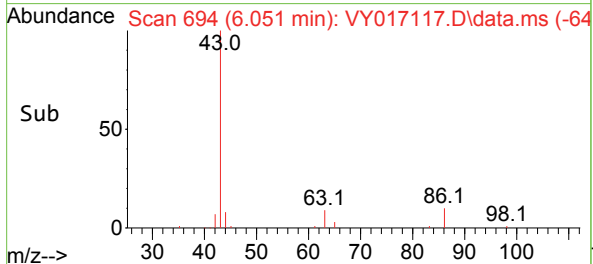
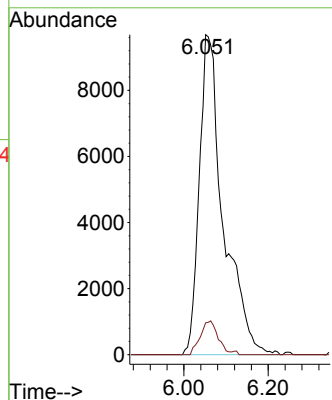
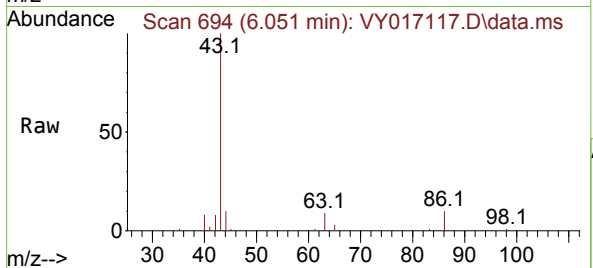




#23
 Vinyl Acetate
 Concen: 21.220 ug/l
 RT: 6.051 min Scan# 61
 Delta R.T. -0.025 min
 Lab File: VY017117.D
 Acq: 26 Jan 2024 13:32

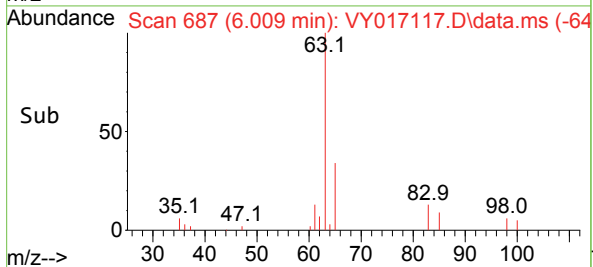
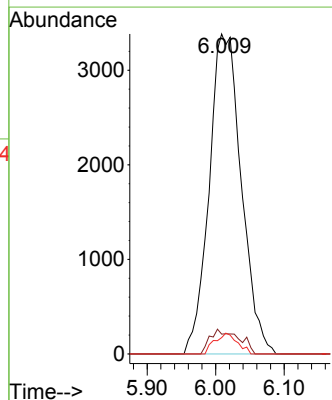
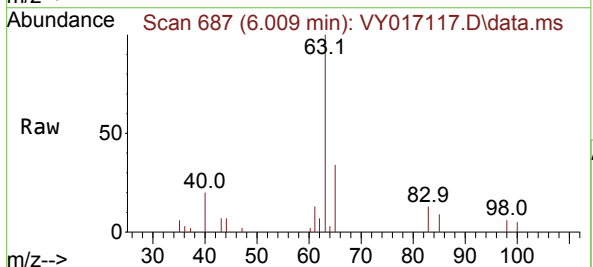
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

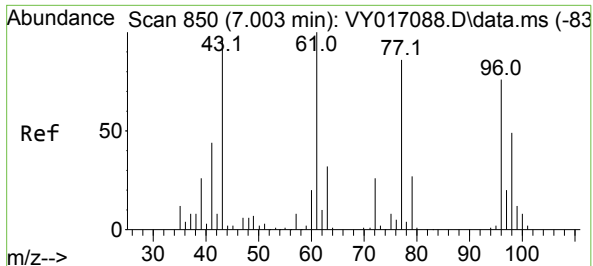
Tgt Ion: 43 Resp: 38343
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 4.853 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.024 min
 Lab File: VY017117.D
 Acq: 26 Jan 2024 13:32

Tgt Ion: 63 Resp: 11025
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.8 11.4
 100 5.1 2.1 6.2

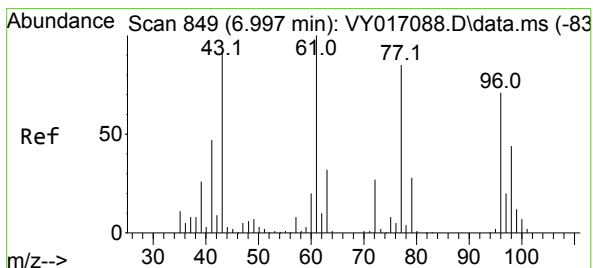
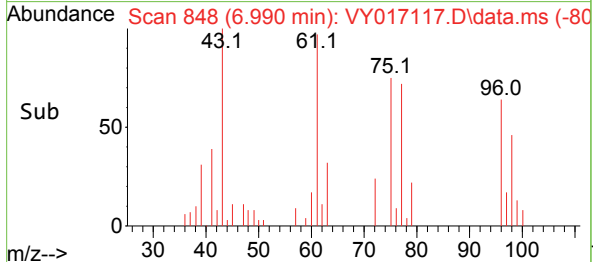
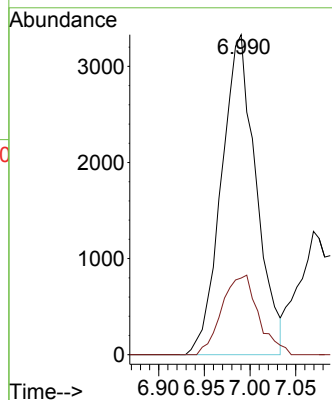
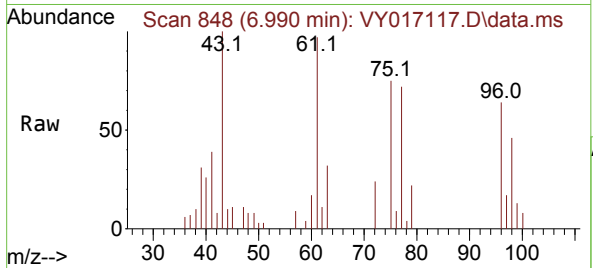




#25
2-Butanone
Concen: 20.786 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

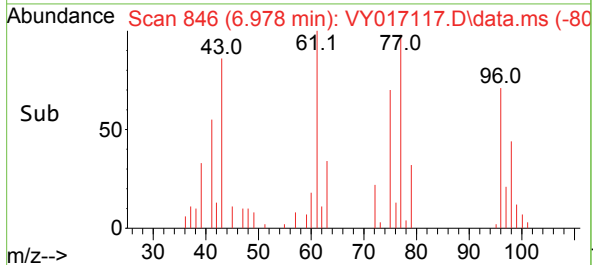
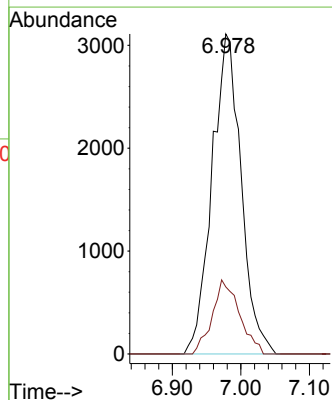
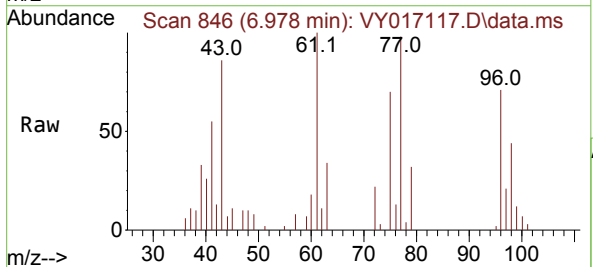
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

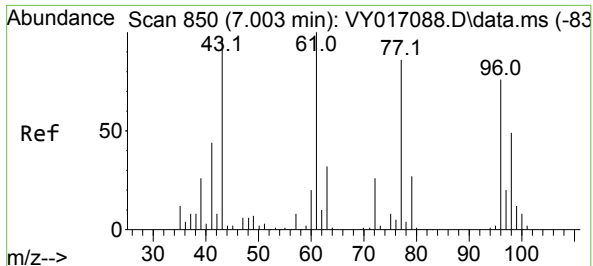
Tgt Ion: 43 Resp: 8792
Ion Ratio Lower Upper
43 100
72 24.0 21.4 32.2



#26
2,2-Dichloropropane
Concen: 4.716 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.018 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 77 Resp: 9151
Ion Ratio Lower Upper
77 100
97 21.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 4.494 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

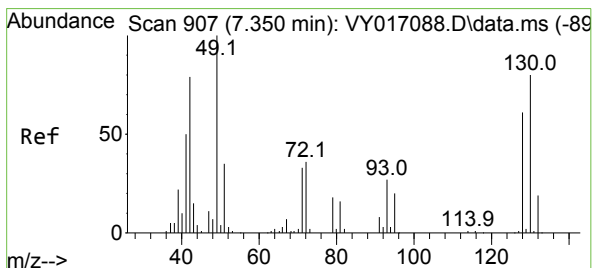
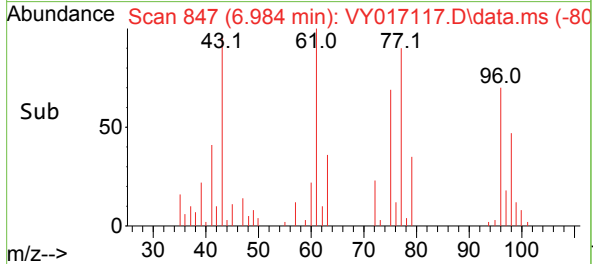
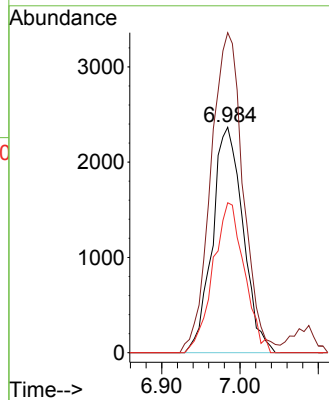
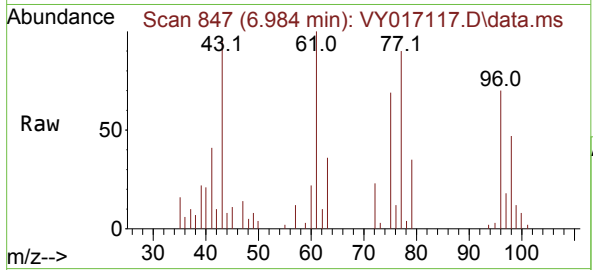
Tgt Ion: 96 Resp: 6431

Ion Ratio Lower Upper

96 100

61 150.2 0.0 278.8

98 68.0 0.0 127.0



#28

Bromochloromethane

Concen: 3.972 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.012 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

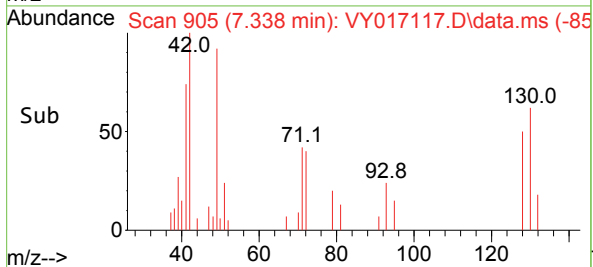
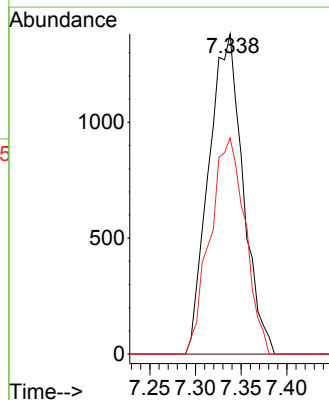
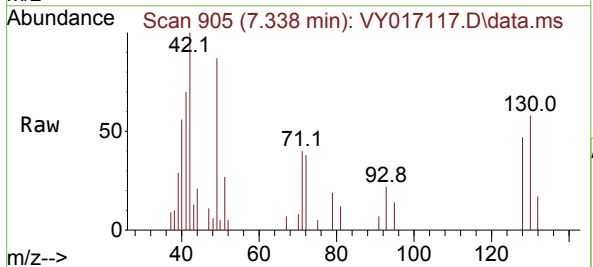
Tgt Ion: 49 Resp: 3593

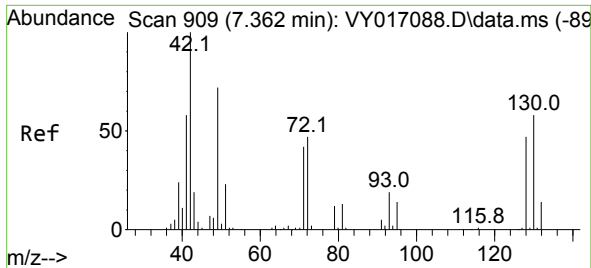
Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 69.2 59.8 89.8





#29

Tetrahydrofuran

Concen: 22.281 ug/l

RT: 7.350 min Scan# 909

Delta R.T. -0.012 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

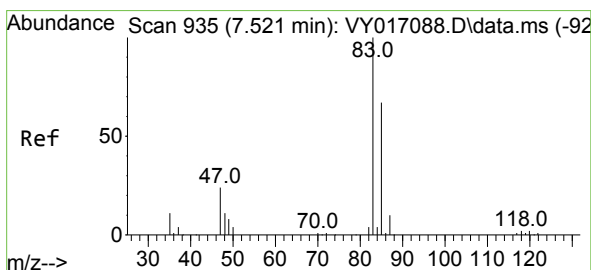
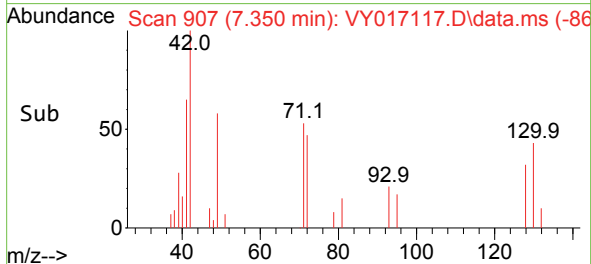
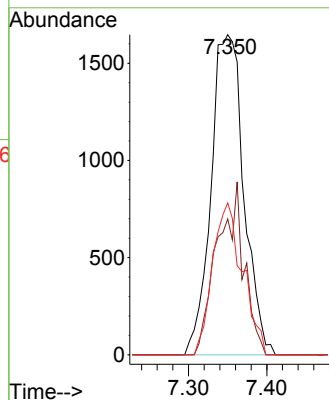
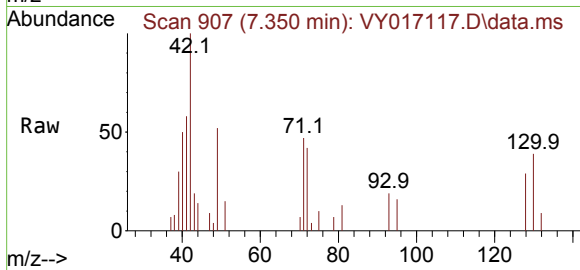
Tgt Ion: 42 Resp: 4800

Ion Ratio Lower Upper

42 100

72 43.9 36.6 54.8

71 43.2 33.8 50.6



#30

Chloroform

Concen: 5.013 ug/l

RT: 7.502 min Scan# 932

Delta R.T. -0.019 min

Lab File: VY017117.D

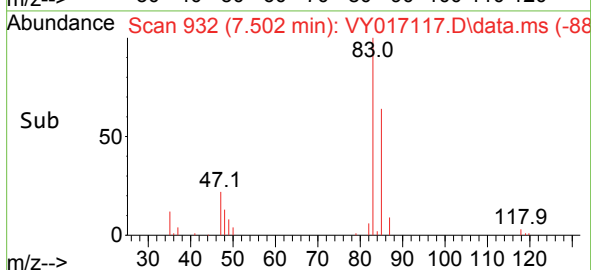
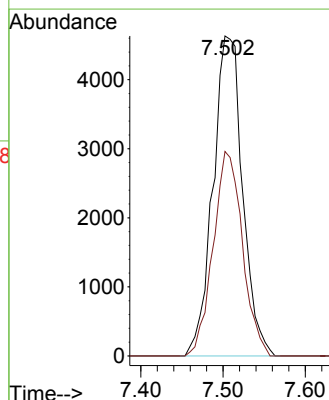
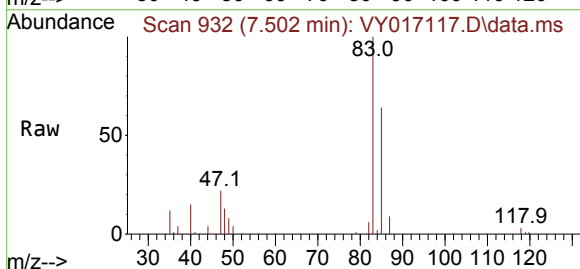
Acq: 26 Jan 2024 13:32

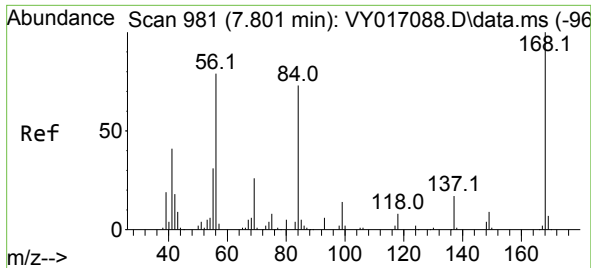
Tgt Ion: 83 Resp: 11598

Ion Ratio Lower Upper

83 100

85 63.9 51.2 76.8

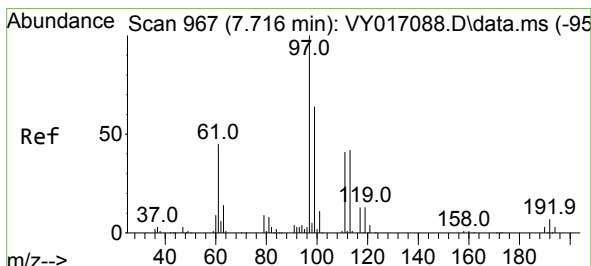
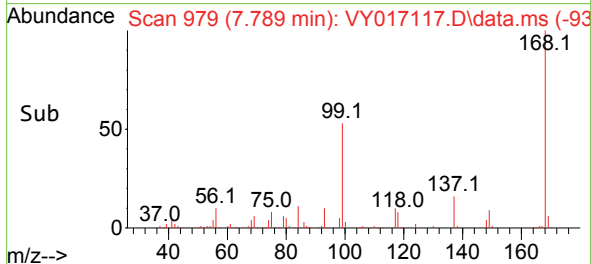
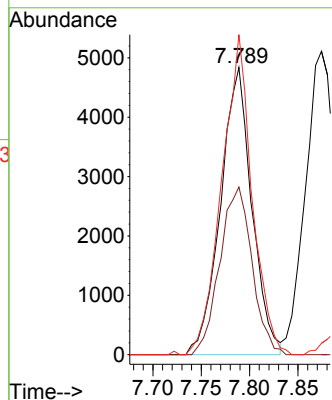
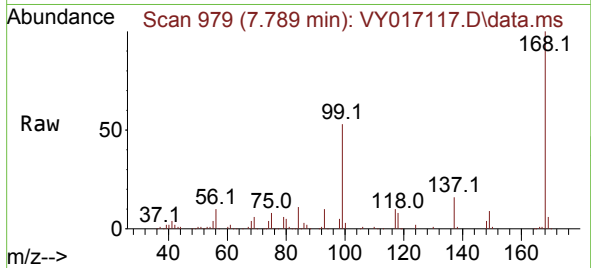




#31
Cyclohexane
Concen: 5.187 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

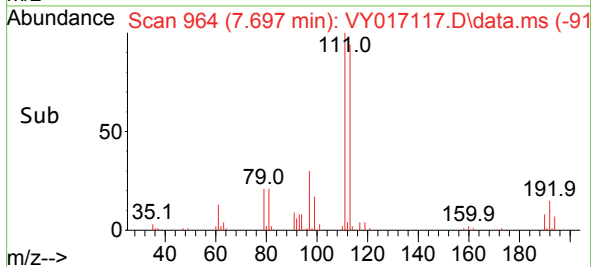
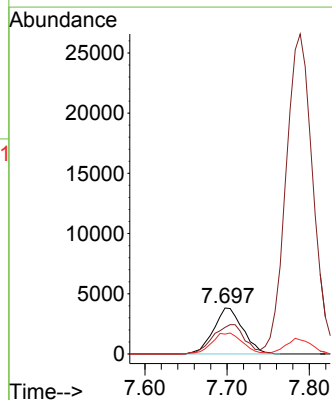
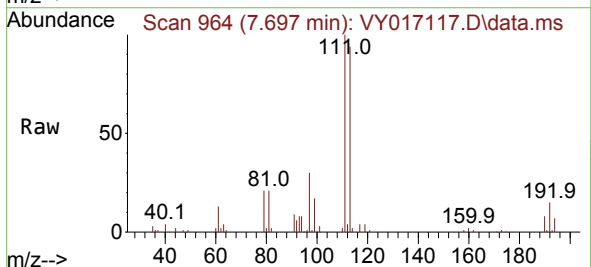
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

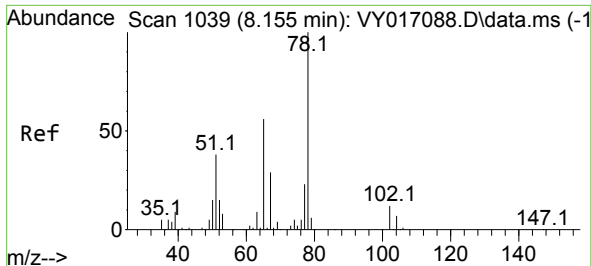
Tgt Ion: 56 Resp: 10890
Ion Ratio Lower Upper
56 100
69 58.4 27.0 40.6#
84 111.4 71.8 107.6#



#32
1,1,1-Trichloroethane
Concen: 4.754 ug/l
RT: 7.697 min Scan# 964
Delta R.T. -0.019 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 97 Resp: 9431
Ion Ratio Lower Upper
97 100
99 68.6 51.2 76.8
61 47.8 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 58.528 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.013 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

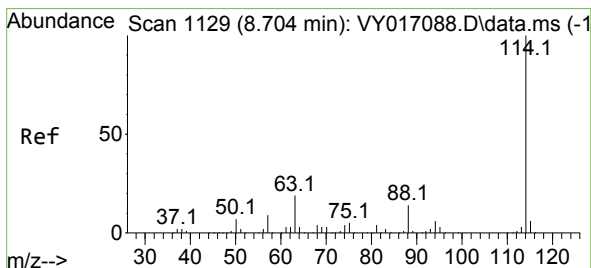
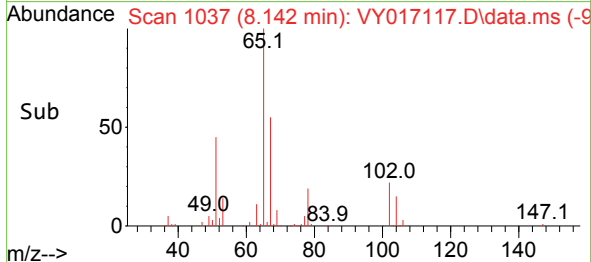
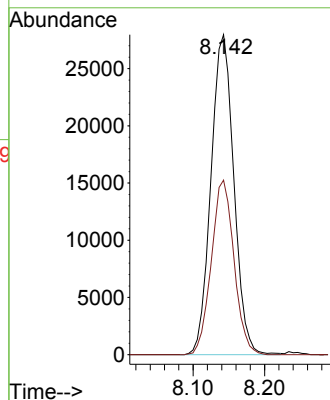
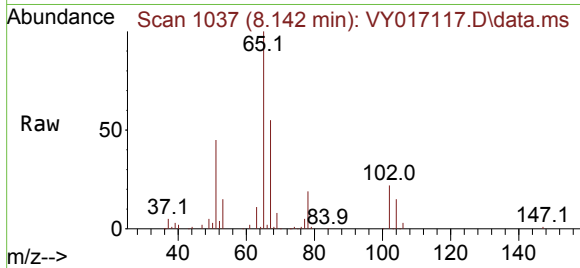
MDL-SOIL-03-QT1-2024

Tgt Ion: 65 Resp: 62180

Ion Ratio Lower Upper

65 100

67 54.0 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: VY017117.D

Acq: 26 Jan 2024 13:32

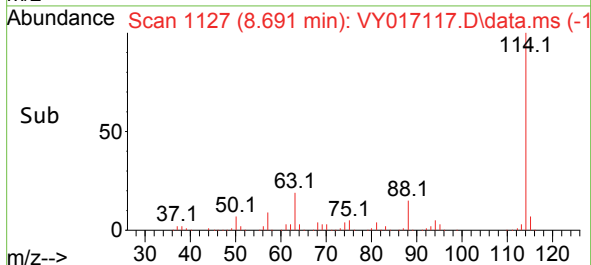
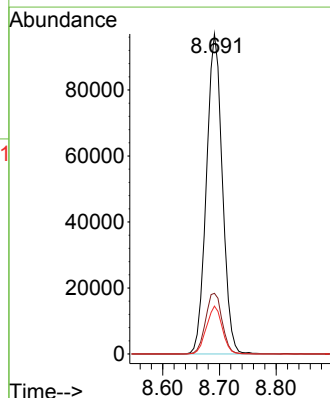
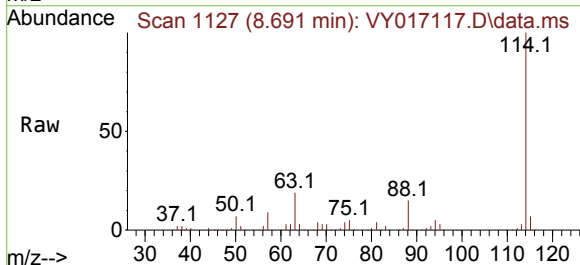
Tgt Ion: 114 Resp: 189192

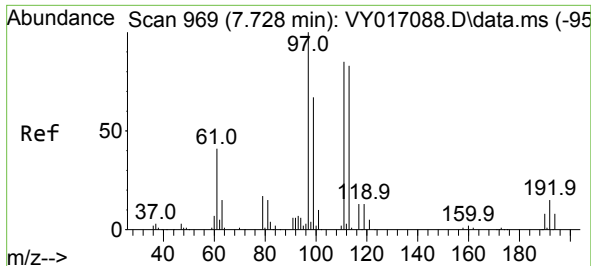
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 14.9 0.0 29.0

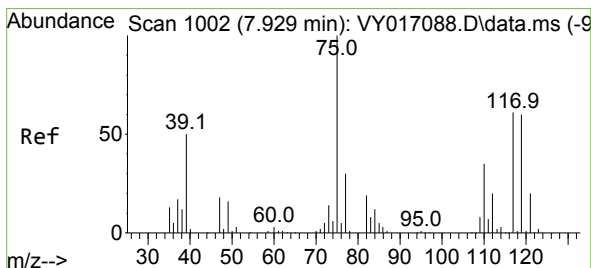
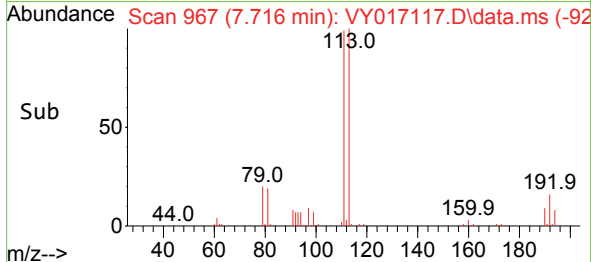
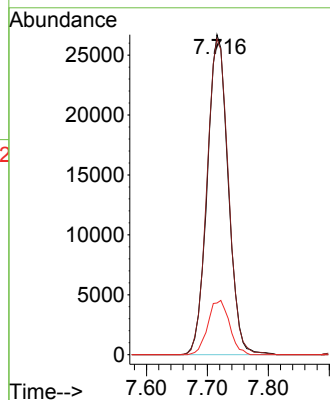
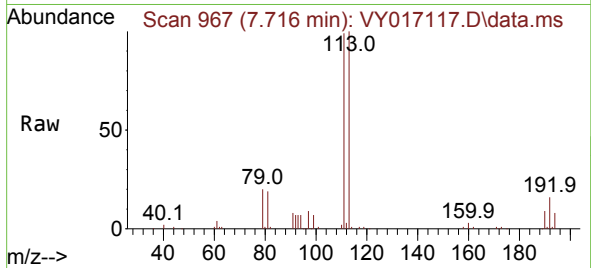




#35
Dibromofluoromethane
Concen: 55.792 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

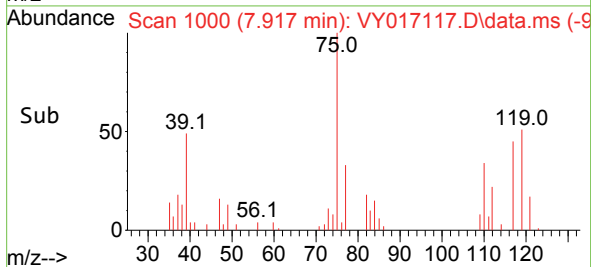
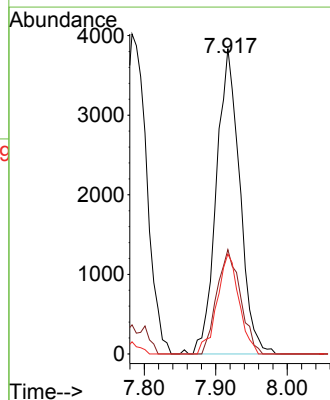
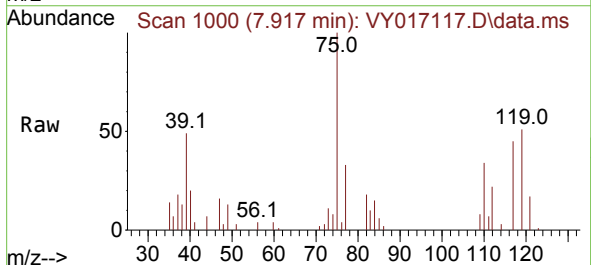
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

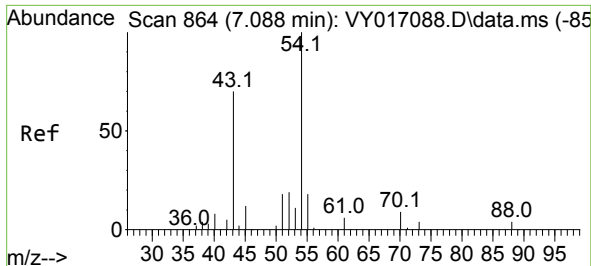
Tgt Ion:113 Resp: 63706
Ion Ratio Lower Upper
113 100
111 100.7 83.8 125.6
192 17.5 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.646 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. -0.012 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 75 Resp: 8729
Ion Ratio Lower Upper
75 100
110 34.4 17.4 52.3
77 30.6 24.7 37.1





#37

Ethyl Acetate

Concen: 4.845 ug/l

RT: 7.069 min Scan# 8

Delta R.T. -0.019 min

Lab File: VY017117.D

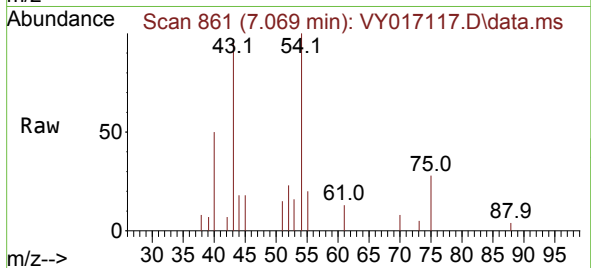
Acq: 26 Jan 2024 13:32

Instrument :

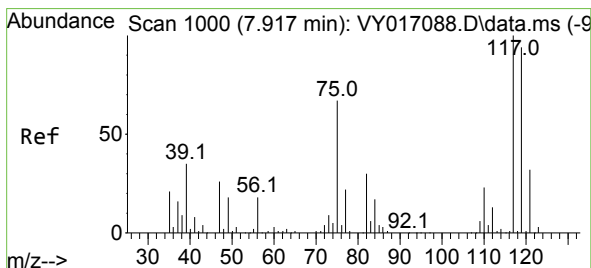
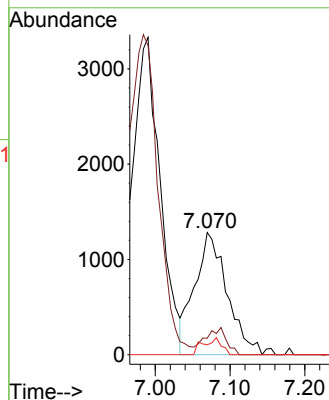
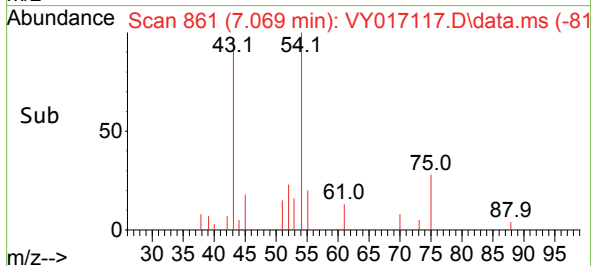
MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024



Tgt Ion:	43	Resp:	3914
Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.6
70	7.6	8.1	12.1#



#38

Carbon Tetrachloride

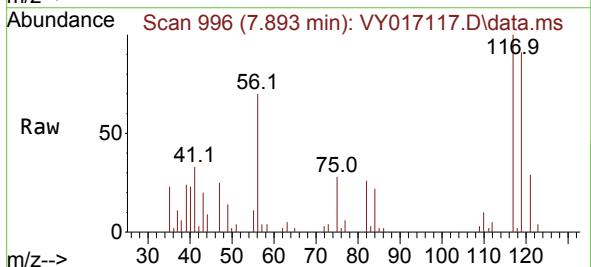
Concen: 4.315 ug/l

RT: 7.893 min Scan# 996

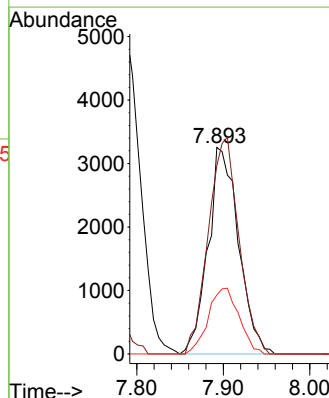
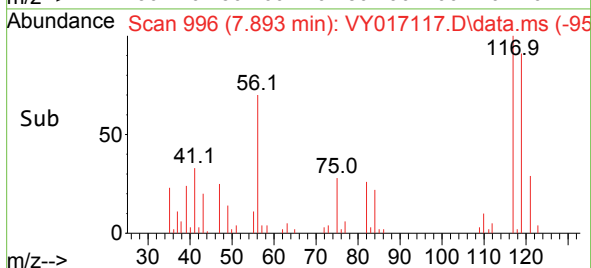
Delta R.T. -0.024 min

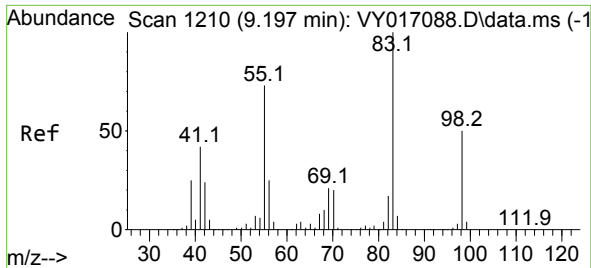
Lab File: VY017117.D

Acq: 26 Jan 2024 13:32



Tgt Ion:	117	Resp:	7944
Ion	Ratio	Lower	Upper
117	100		
119	91.1	76.0	114.0
121	28.5	24.2	36.2

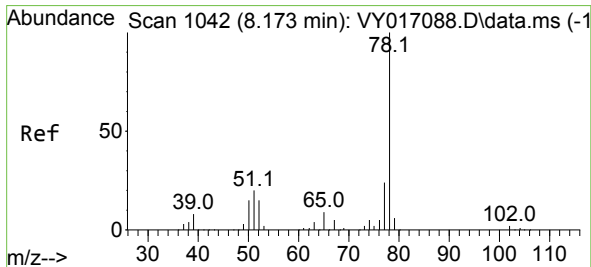
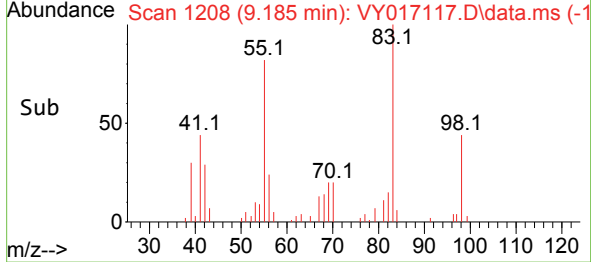
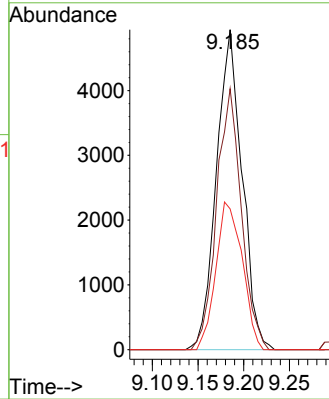
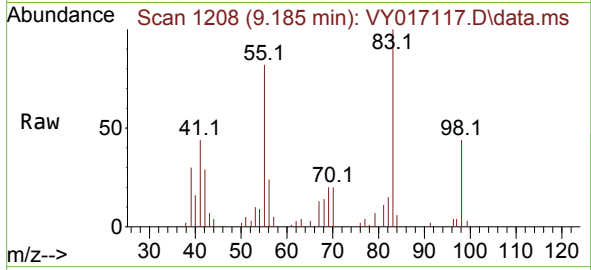




#39
Methylcyclohexane
Concen: 4.263 ug/l
RT: 9.185 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

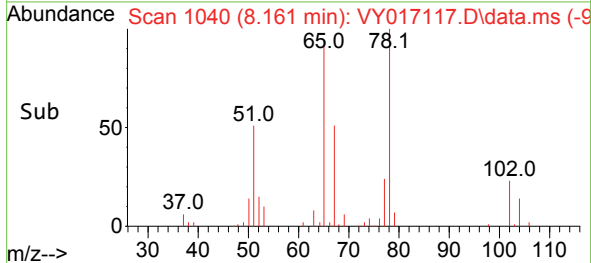
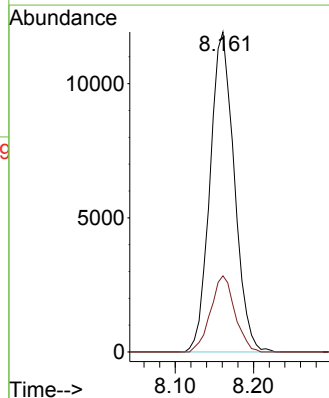
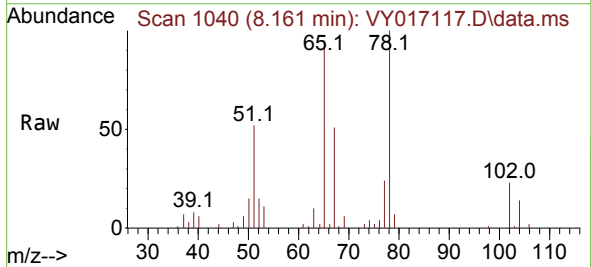
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

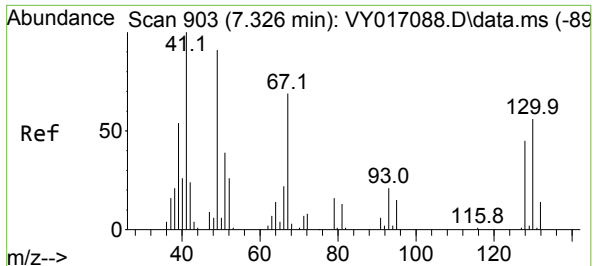
Tgt Ion: 83 Resp: 9632
Ion Ratio Lower Upper
83 100
55 81.5 59.7 89.5
98 44.0 38.0 57.0



#40
Benzene
Concen: 4.695 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 78 Resp: 25618
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

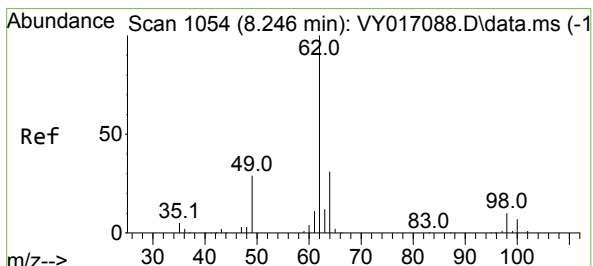
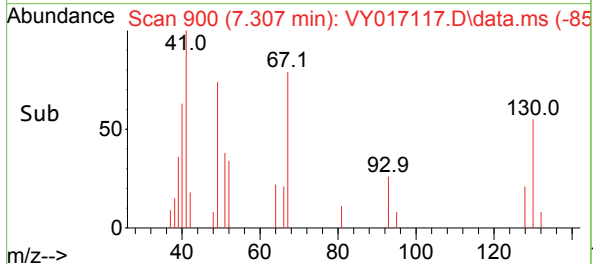
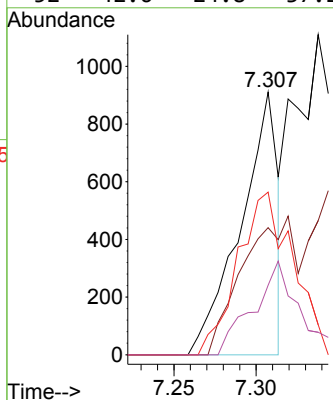
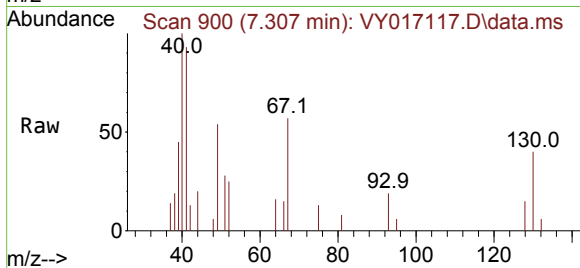




#41
Methacrylonitrile
Concen: 3.328 ug/l
RT: 7.307 min Scan# 903
Delta R.T. -0.012 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

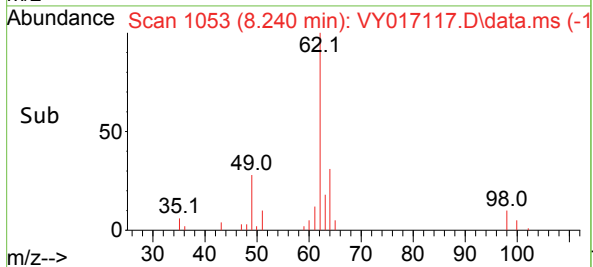
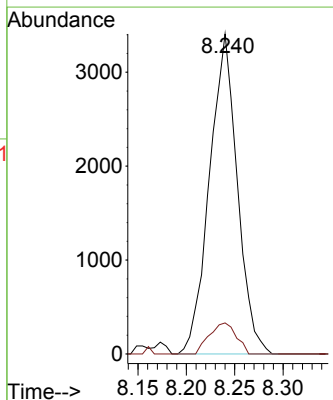
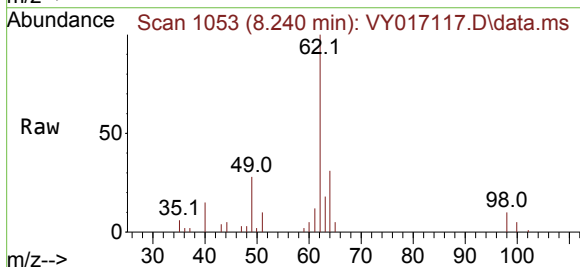
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

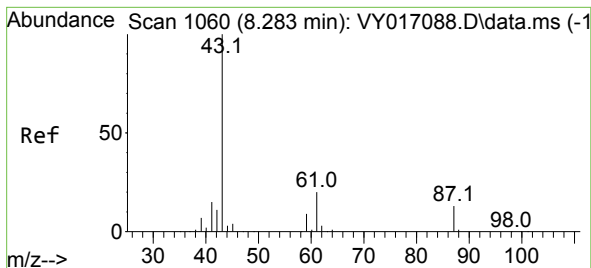
Tgt Ion:	41	Resp:	1438
Ion	Ratio	Lower	Upper
41	100		
39	74.1	41.9	62.9#
67	90.8	59.8	89.6#
52	42.6	24.8	37.2#



#42
1,2-Dichloroethane
Concen: 4.820 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. -0.012 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion:	62	Resp:	6818
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.2





#43

Isopropyl Acetate

Concen: 4.370 ug/l

RT: 8.271 min Scan# 1105

Delta R.T. -0.012 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

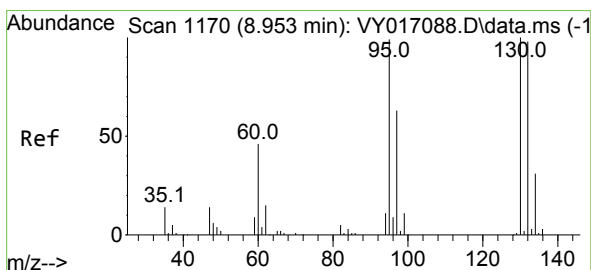
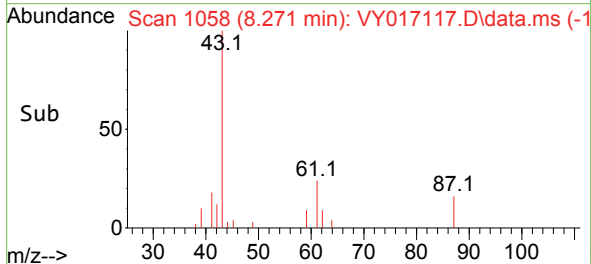
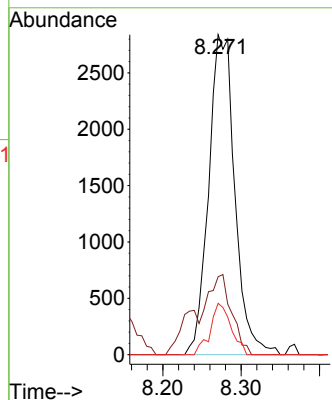
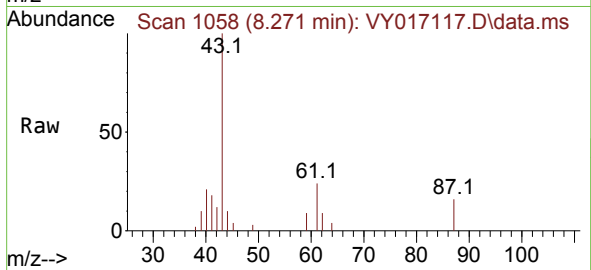
Tgt Ion: 43 Resp: 6591

Ion Ratio Lower Upper

43 100

61 23.2 24.8 37.2#

87 12.8 10.7 16.1



#44

Trichloroethene

Concen: 4.558 ug/l

RT: 8.941 min Scan# 1168

Delta R.T. -0.006 min

Lab File: VY017117.D

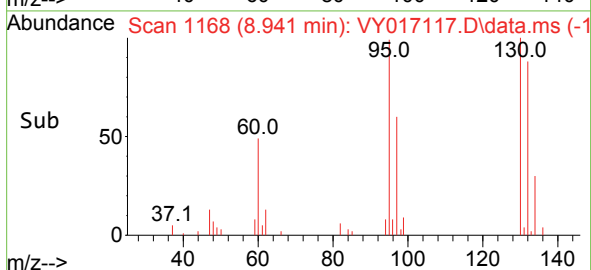
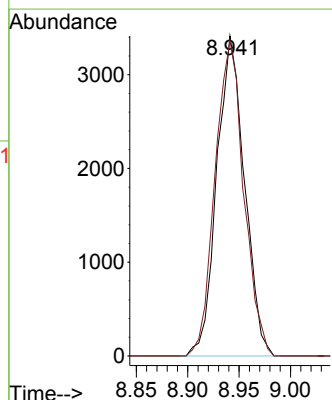
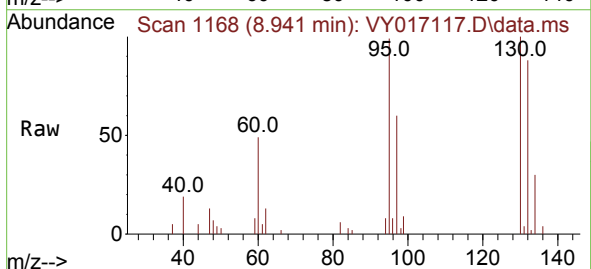
Acq: 26 Jan 2024 13:32

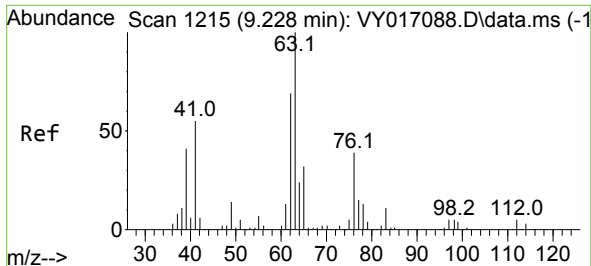
Tgt Ion:130 Resp: 6378

Ion Ratio Lower Upper

130 100

95 98.5 0.0 203.8

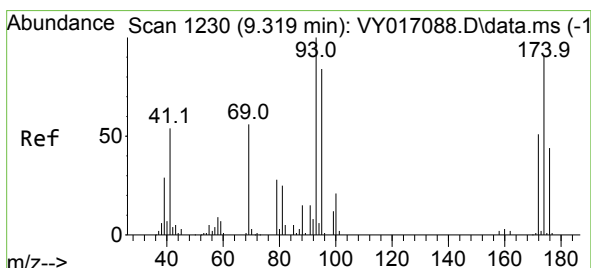
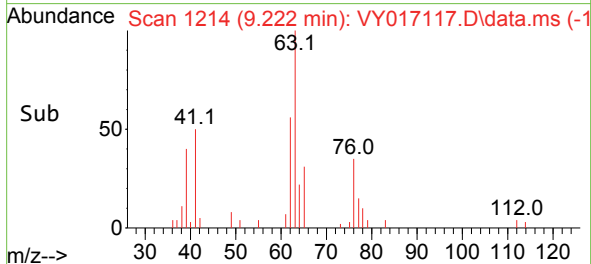
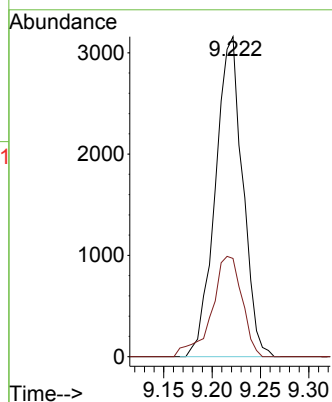
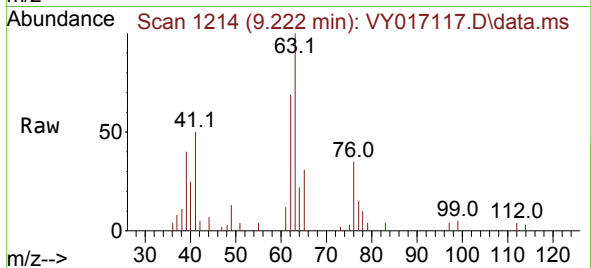




#45
1,2-Dichloropropane
Concen: 4.634 ug/l
RT: 9.222 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

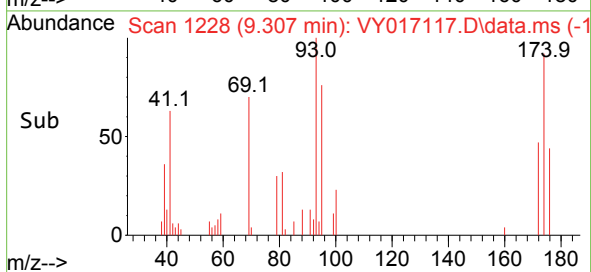
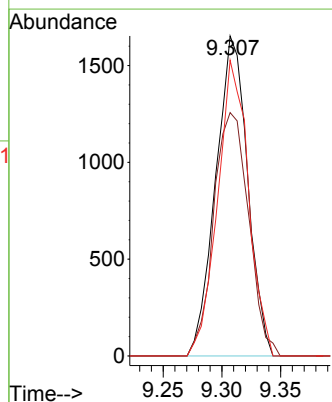
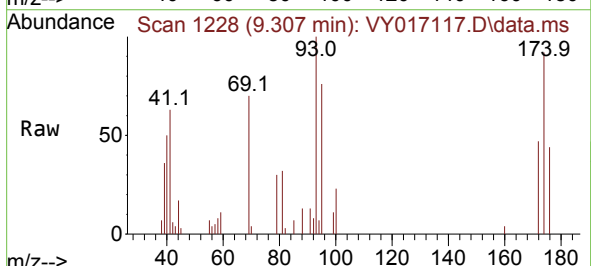
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

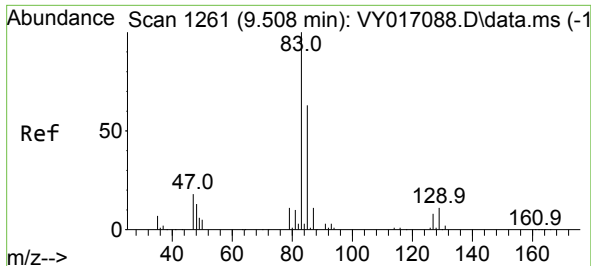
Tgt Ion: 63 Resp: 6206
Ion Ratio Lower Upper
63 100
65 30.7 24.6 36.8



#46
Dibromomethane
Concen: 4.384 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 93 Resp: 3118
Ion Ratio Lower Upper
93 100
95 83.2 66.6 99.8
174 89.4 73.8 110.6

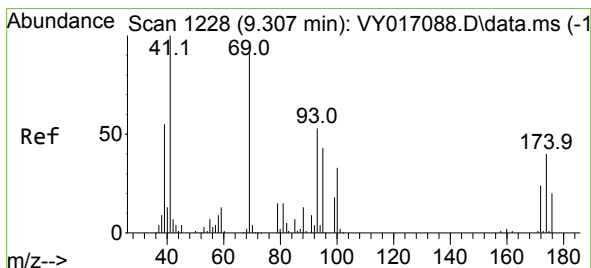
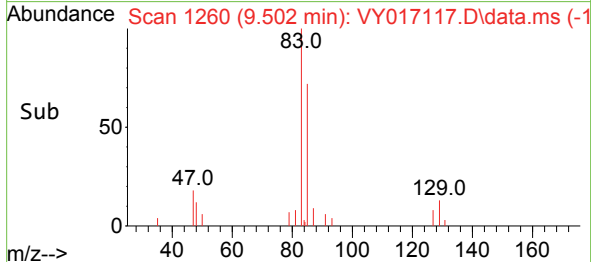
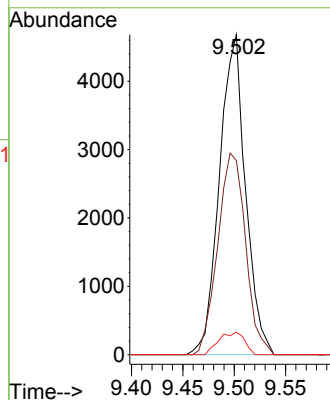
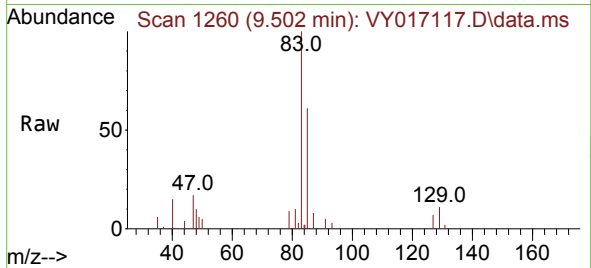




#47
Bromodichloromethane
Concen: 4.562 ug/l
RT: 9.502 min Scan# 1261
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

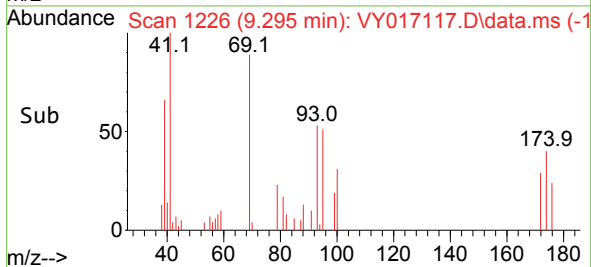
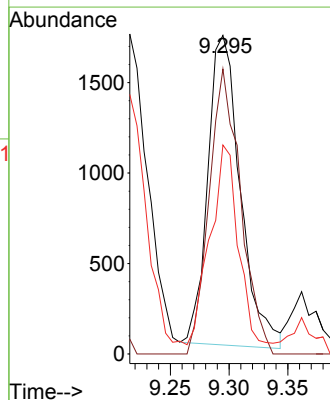
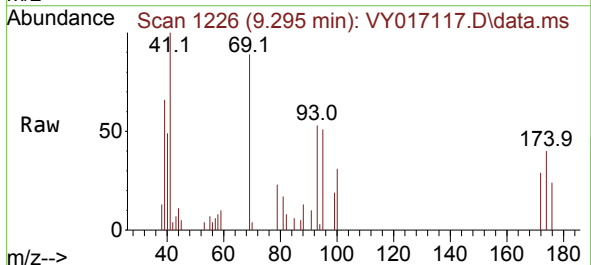
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

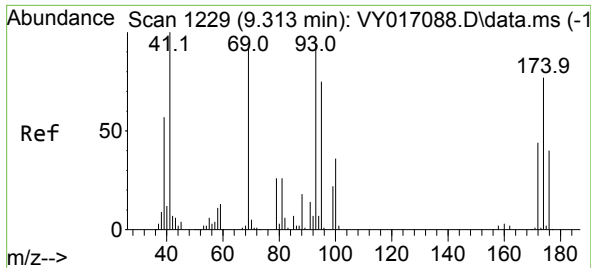
Tgt Ion: 83	Resp:	8254
Ion Ratio	Lower	Upper
83	100	
85	60.6	53.2 79.8
127	7.1	6.4 9.6



#48
Methyl methacrylate
Concen: 3.934 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 41	Resp:	3294
Ion Ratio	Lower	Upper
41	100	
69	89.0	72.1 108.1
39	61.8	42.8 64.2





#49

1,4-Dioxane

Concen: 83.062 ug/l

RT: 9.301 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY017117.D

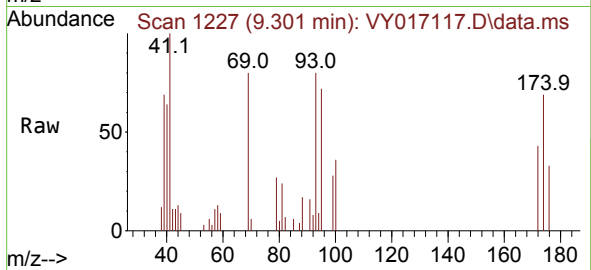
Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024



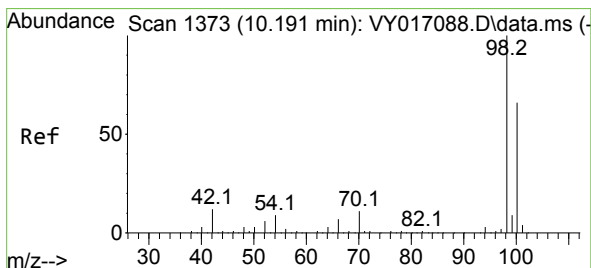
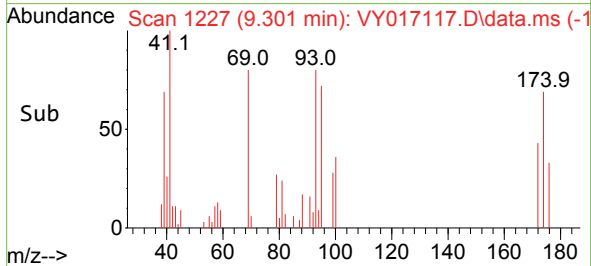
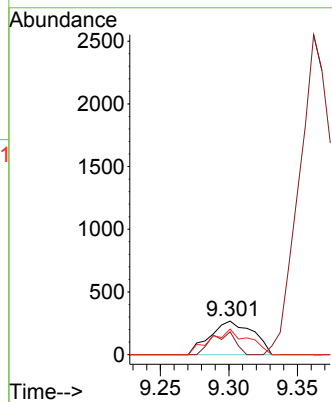
Tgt Ion: 88 Resp: 581

Ion Ratio Lower Upper

88 100

43 37.3 28.2 42.4

58 67.6 52.2 78.2



#50

Toluene-d8

Concen: 55.648 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.012 min

Lab File: VY017117.D

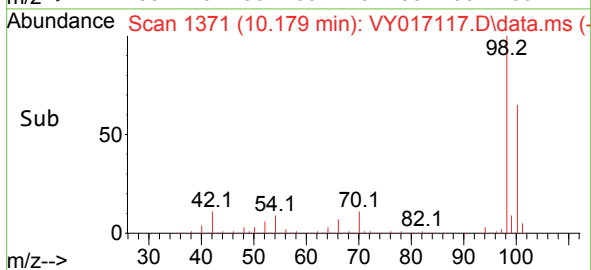
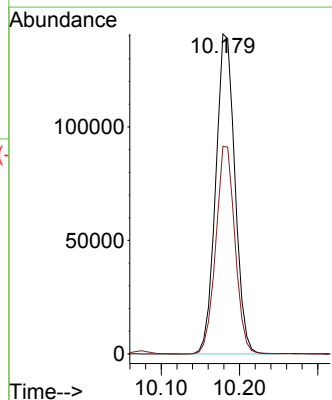
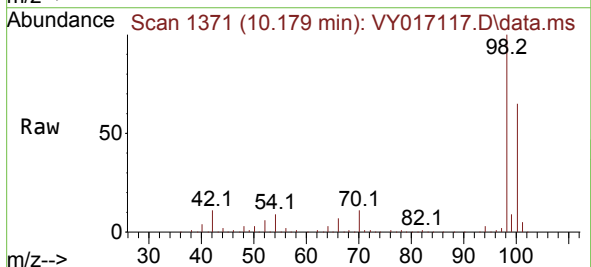
Acq: 26 Jan 2024 13:32

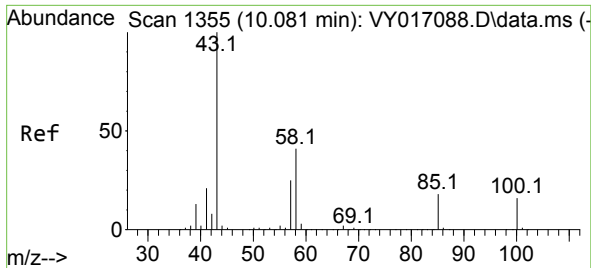
Tgt Ion: 98 Resp: 240001

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5

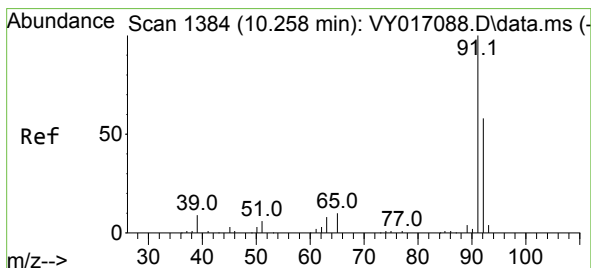
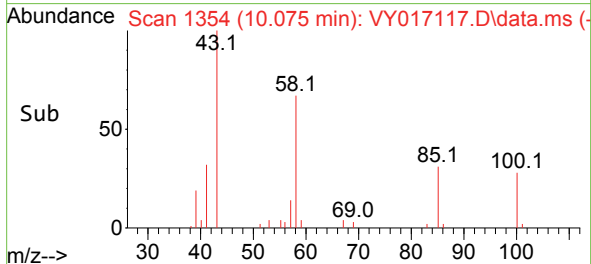
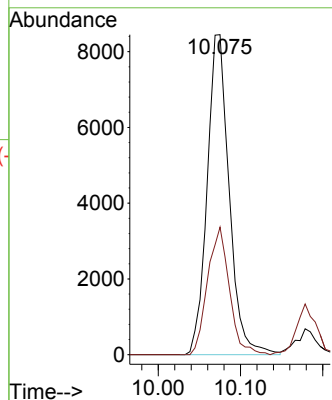
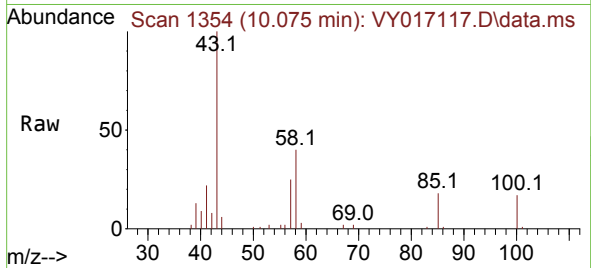




#51
4-Methyl-2-Pentanone
Concen: 19.638 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

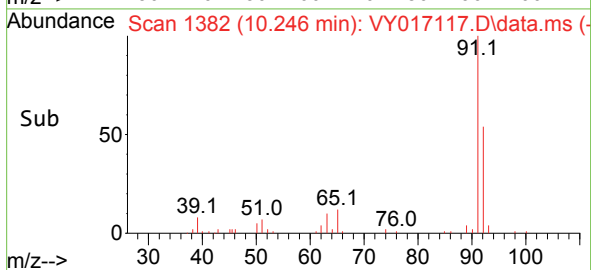
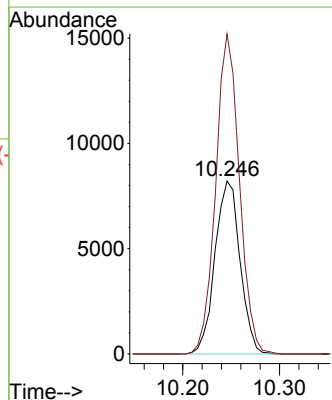
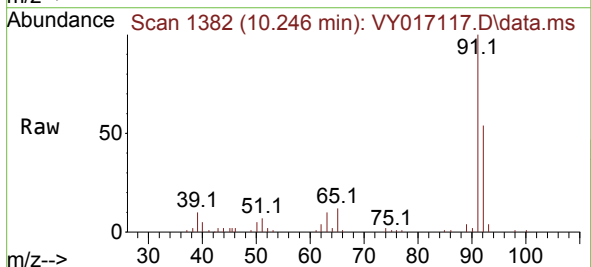
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

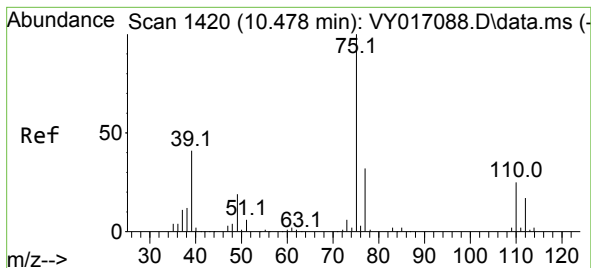
Tgt Ion: 43 Resp: 15754
Ion Ratio Lower Upper
43 100
58 39.4 32.2 48.2



#52
Toluene
Concen: 4.470 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 92 Resp: 14762
Ion Ratio Lower Upper
92 100
91 175.1 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 4.159 ug/l

RT: 10.471 min Scan# 1419

Delta R.T. 0.000 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

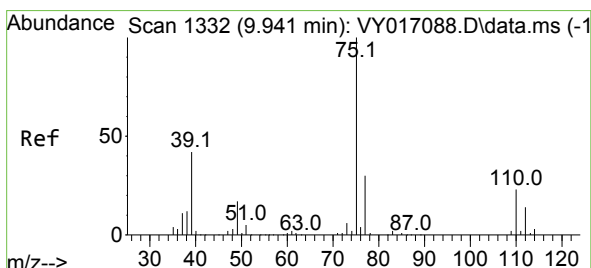
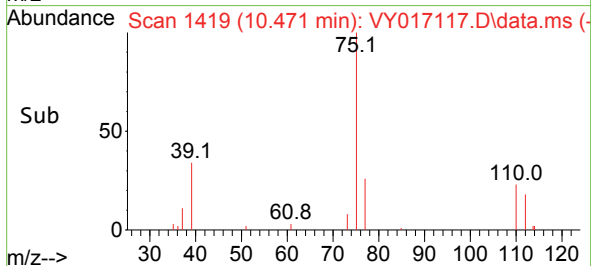
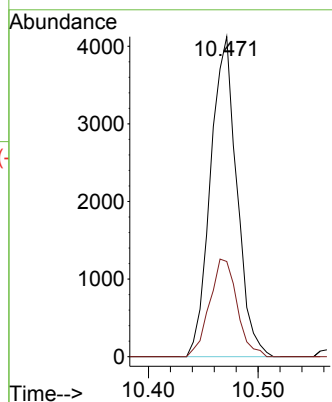
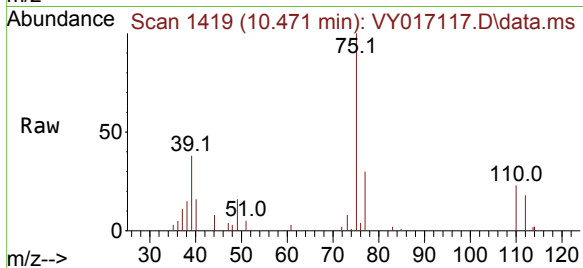
MDL-SOIL-03-QT1-2024

Tgt Ion: 75 Resp: 6874

Ion Ratio Lower Upper

75 100

77 29.8 24.6 36.8



#54

cis-1,3-Dichloropropene

Concen: 4.255 ug/l

RT: 9.929 min Scan# 1330

Delta R.T. -0.012 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

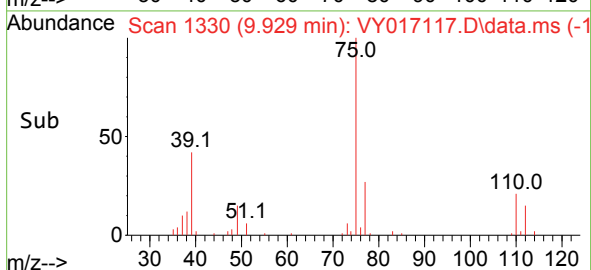
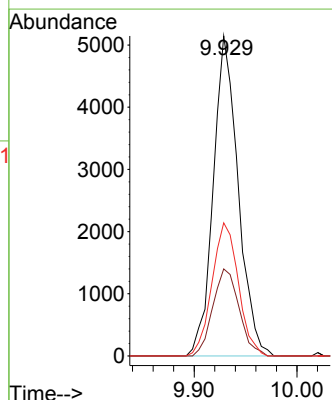
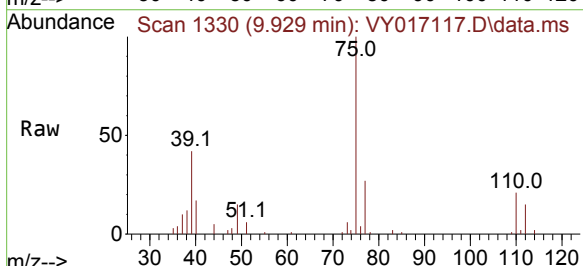
Tgt Ion: 75 Resp: 8650

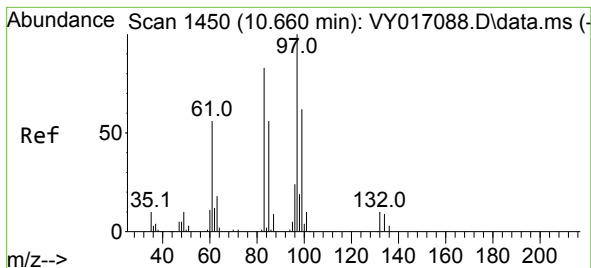
Ion Ratio Lower Upper

75 100

77 27.2 24.6 36.8

39 41.6 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 4.444 ug/l

RT: 10.648 min Scan# 14

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 97 Resp: 4417

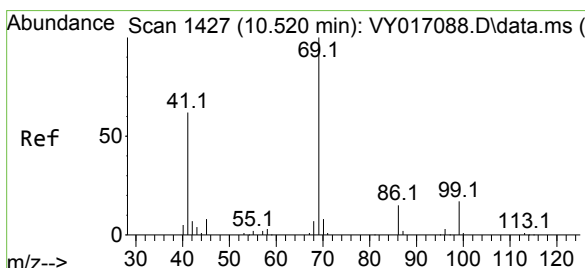
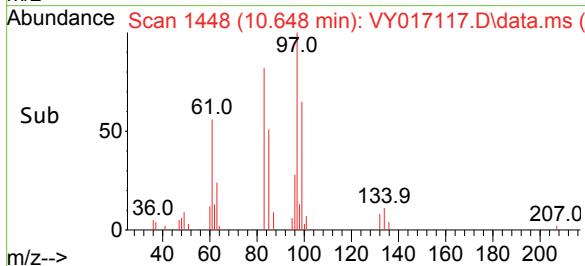
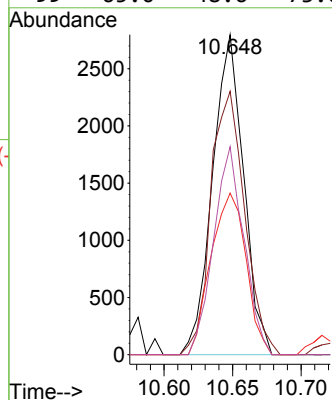
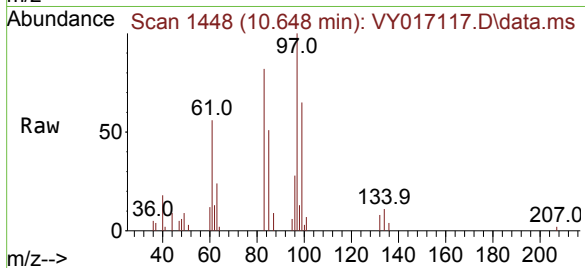
Ion Ratio Lower Upper

97 100

83 82.3 69.4 104.2

85 50.5 43.9 65.9

99 65.0 48.6 73.0



#56

Ethyl methacrylate

Concen: 3.579 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

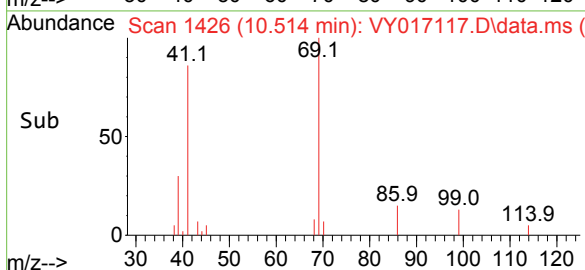
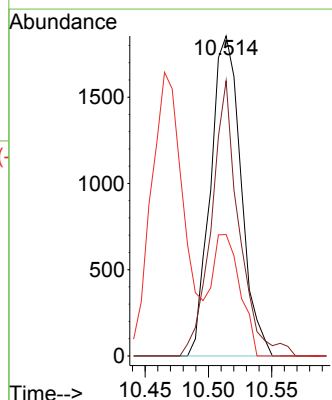
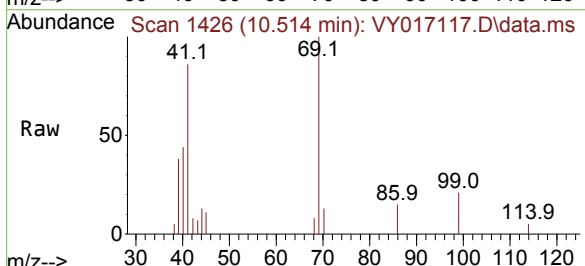
Tgt Ion: 69 Resp: 3111

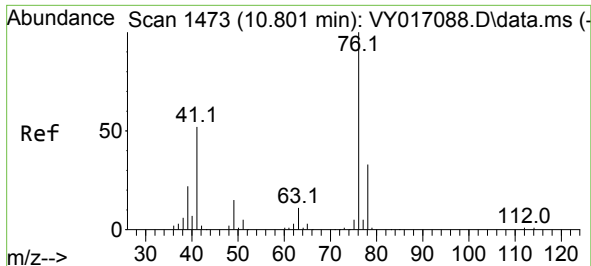
Ion Ratio Lower Upper

69 100

41 77.7 49.2 73.8#

39 34.8 26.8 40.2





#57

1,3-Dichloropropane

Concen: 4.418 ug/l

RT: 10.794 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

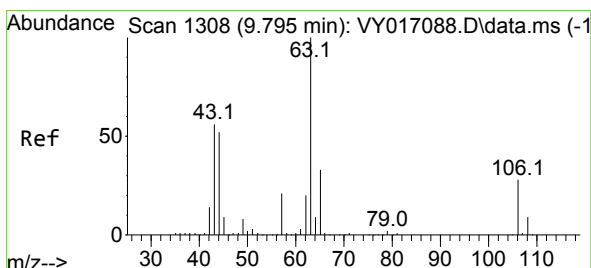
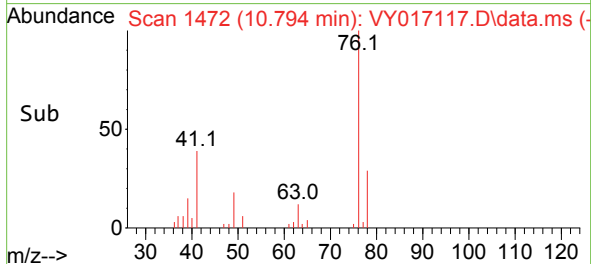
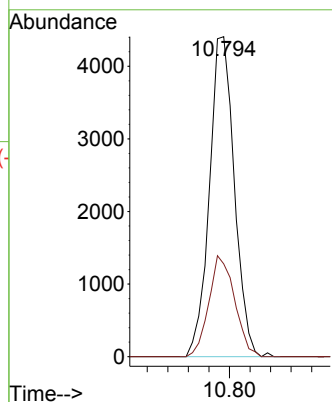
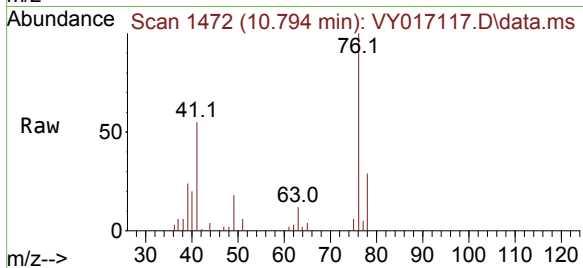
MDL-SOIL-03-QT1-2024

Tgt Ion: 76 Resp: 7425

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 18.100 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VY017117.D

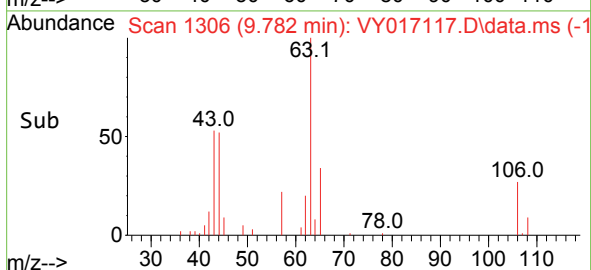
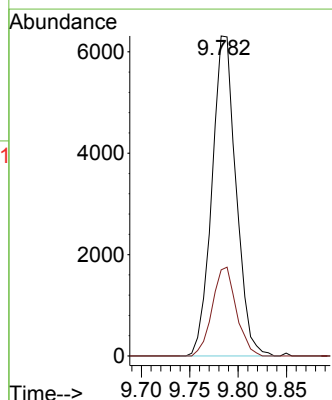
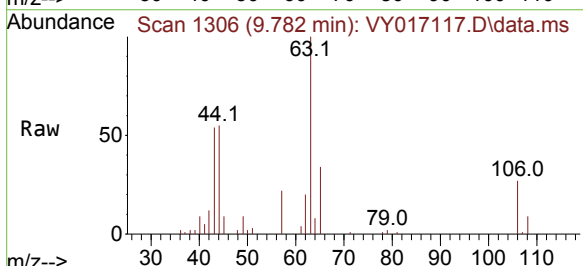
Acq: 26 Jan 2024 13:32

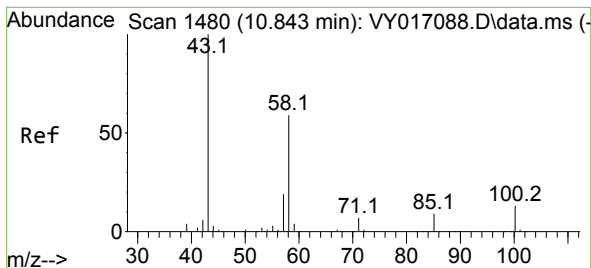
Tgt Ion: 63 Resp: 10921

Ion Ratio Lower Upper

63 100

106 27.7 22.4 33.6





#59

2-Hexanone

Concen: 18.391 ug/l

RT: 10.837 min Scan# 1480

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

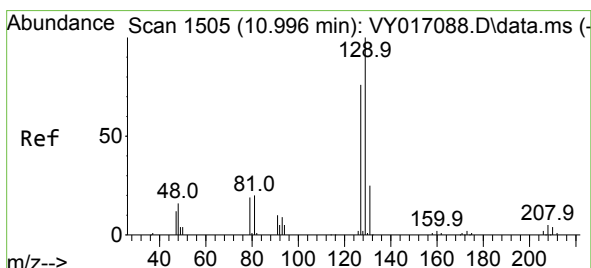
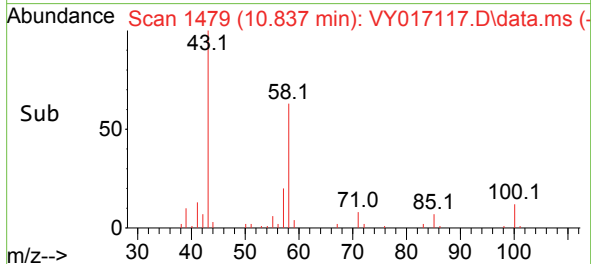
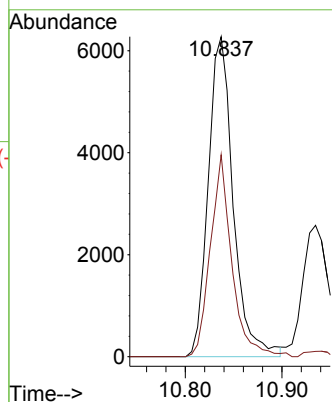
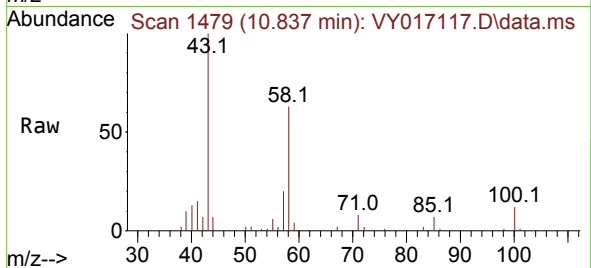
MDL-SOIL-03-QT1-2024

Tgt Ion: 43 Resp: 11256

Ion Ratio Lower Upper

43 100

58 54.4 28.1 84.3



#60

Dibromochloromethane

Concen: 4.250 ug/l

RT: 10.983 min Scan# 1503

Delta R.T. -0.013 min

Lab File: VY017117.D

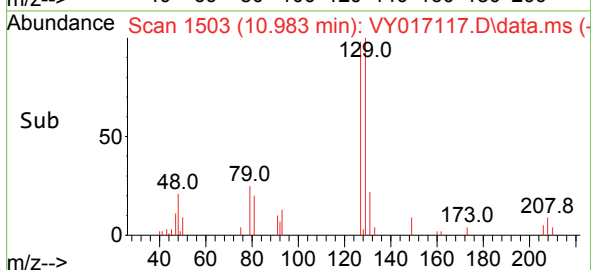
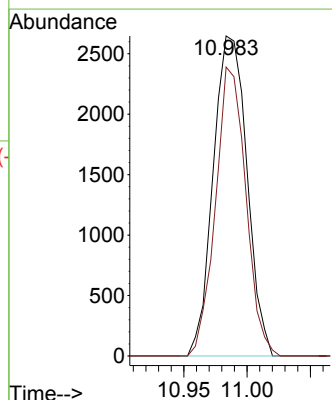
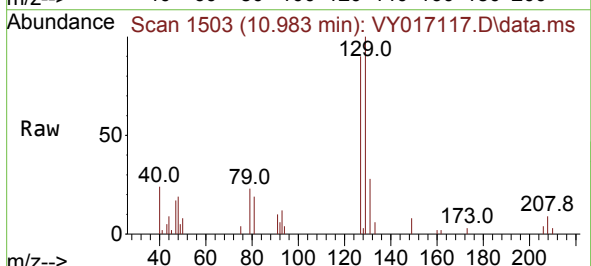
Acq: 26 Jan 2024 13:32

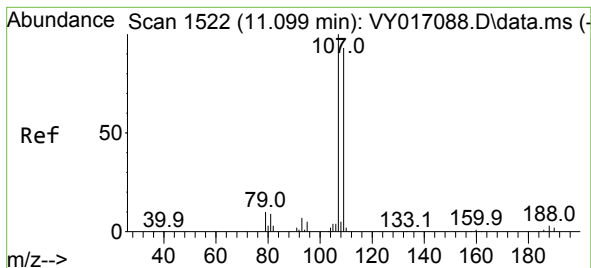
Tgt Ion: 129 Resp: 4908

Ion Ratio Lower Upper

129 100

127 81.2 39.2 117.6

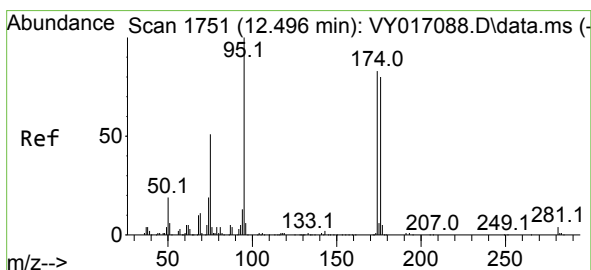
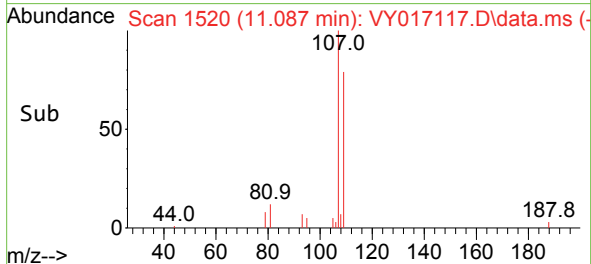
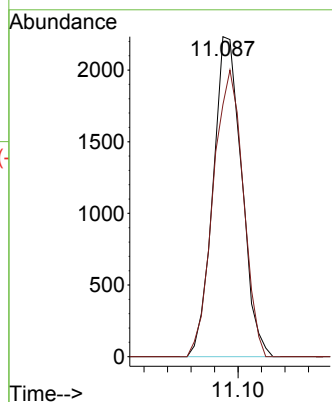
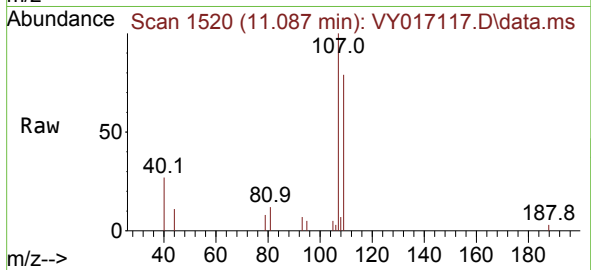




#61
1,2-Dibromoethane
Concen: 4.188 ug/l
RT: 11.087 min Scan# 111
Delta R.T. -0.012 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

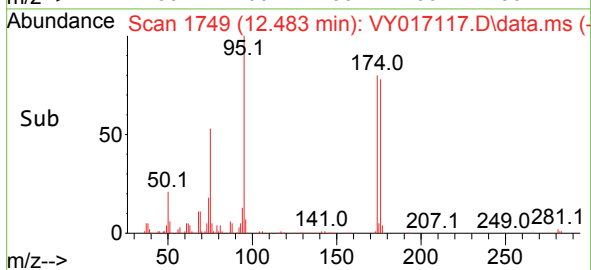
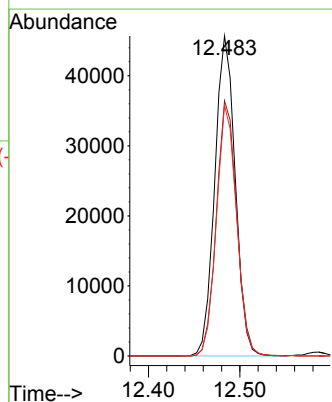
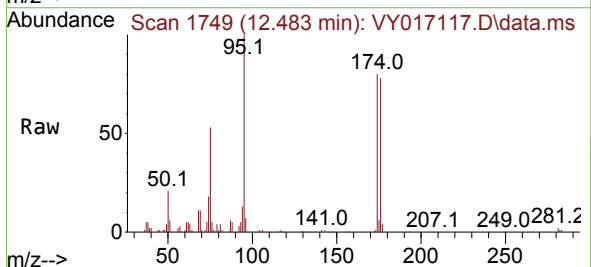
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

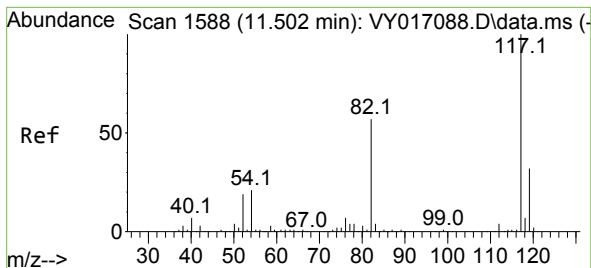
Tgt Ion:107 Resp: 3782
Ion Ratio Lower Upper
107 100
109 93.6 75.4 113.2



#62
4-Bromofluorobenzene
Concen: 53.561 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 95 Resp: 71161
Ion Ratio Lower Upper
95 100
174 79.3 0.0 160.0
176 77.1 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: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

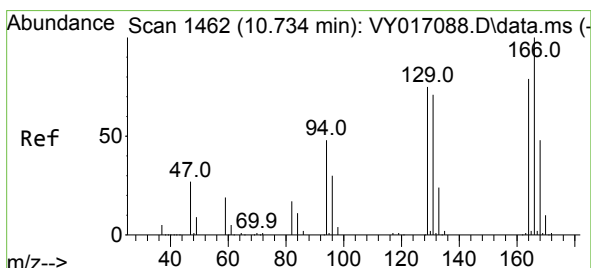
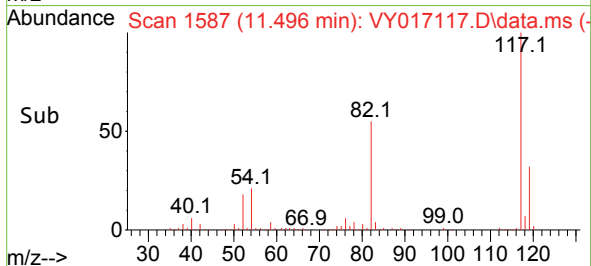
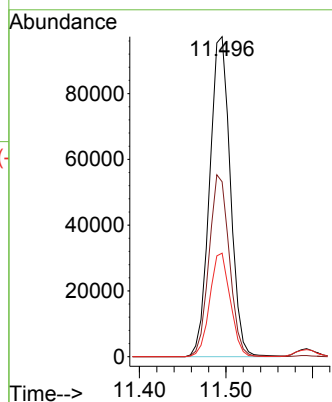
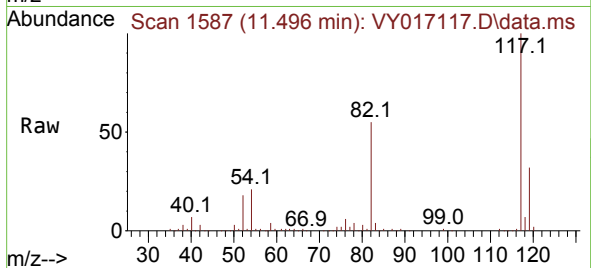
Tgt Ion:117 Resp: 161339

Ion Ratio Lower Upper

117 100

82 54.6 43.8 65.8

119 32.3 26.5 39.7



#64

Tetrachloroethene

Concen: 4.652 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Tgt Ion:164 Resp: 5232

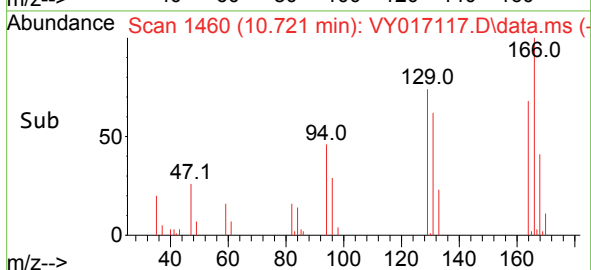
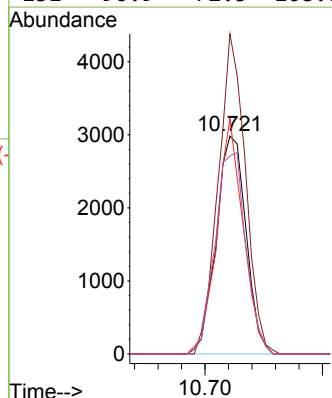
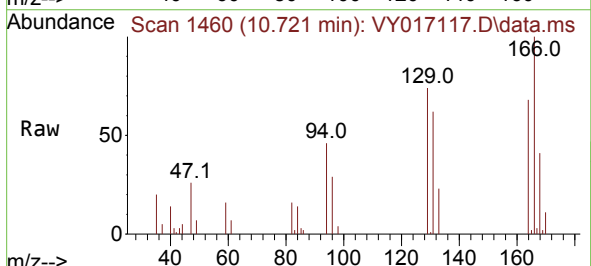
Ion Ratio Lower Upper

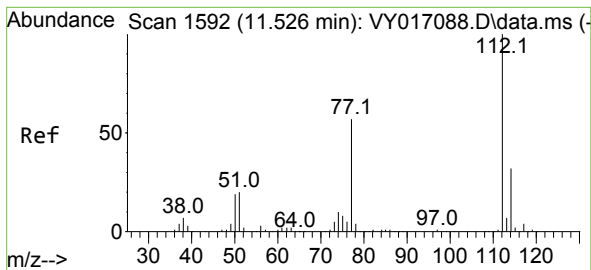
164 100

166 146.9 98.8 148.2

129 108.1 78.9 118.3

131 90.9 72.5 108.7





#65

Chlorobenzene

Concen: 4.522 ug/l

RT: 11.520 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

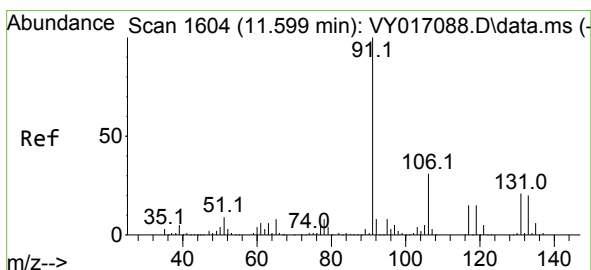
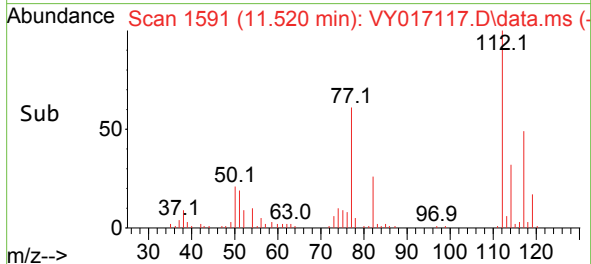
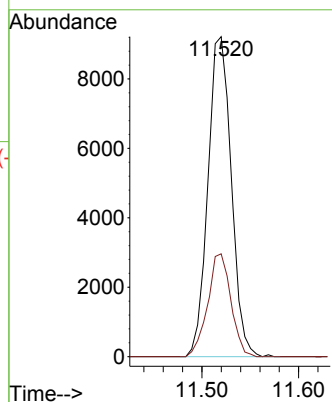
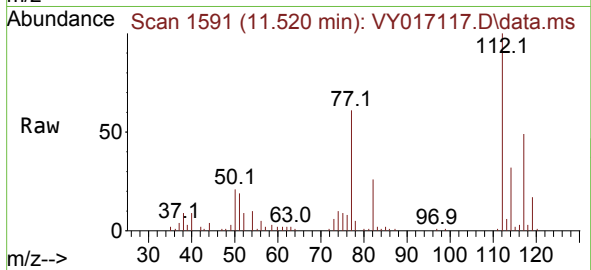
MDL-SOIL-03-QT1-2024

Tgt Ion:112 Resp: 15462

Ion Ratio Lower Upper

112 100

114 32.1 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 4.183 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

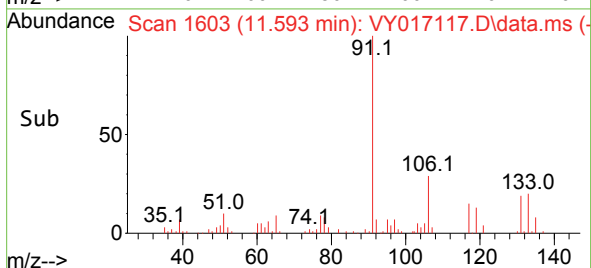
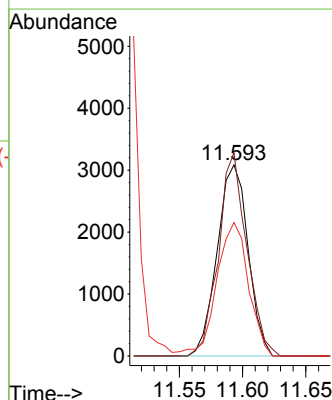
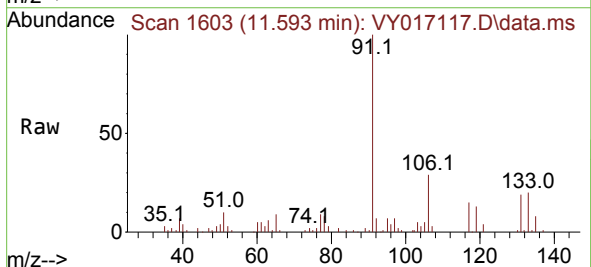
Tgt Ion:131 Resp: 5224

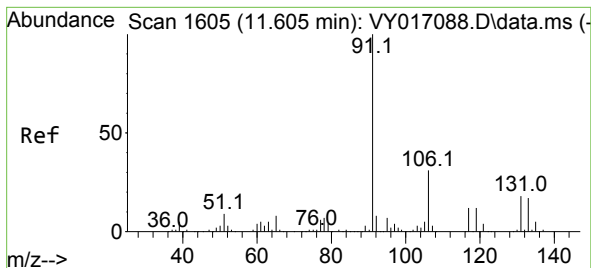
Ion Ratio Lower Upper

131 100

133 98.0 47.0 141.0

119 71.7 33.3 99.9





#67

Ethyl Benzene

Concen: 4.219 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

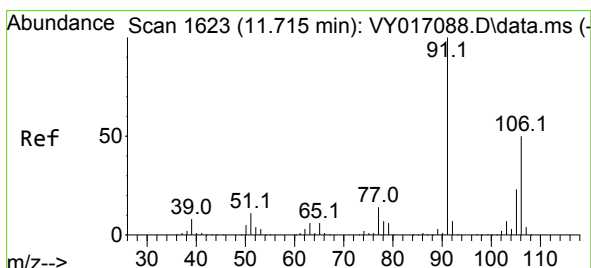
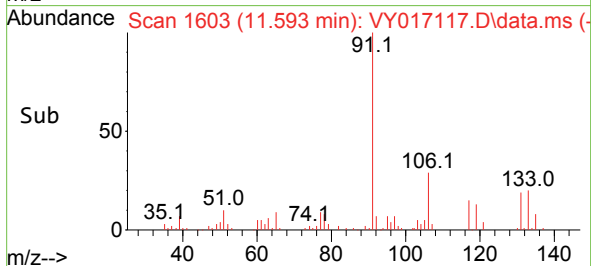
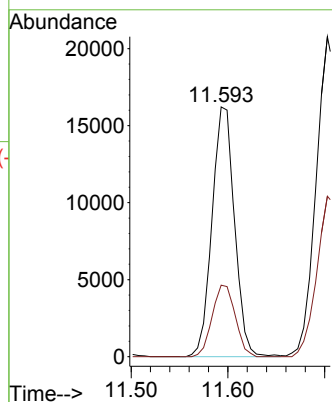
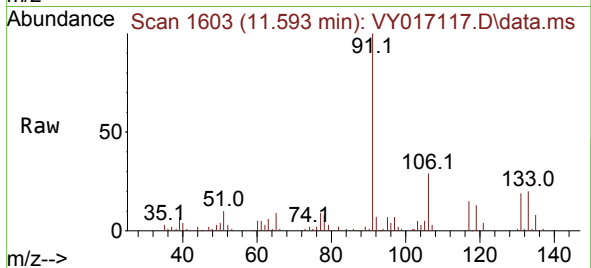
MDL-SOIL-03-QT1-2024

Tgt Ion: 91 Resp: 26221

Ion Ratio Lower Upper

91 100

106 28.7 25.0 37.4



#68

m/p-Xylenes

Concen: 7.988 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.006 min

Lab File: VY017117.D

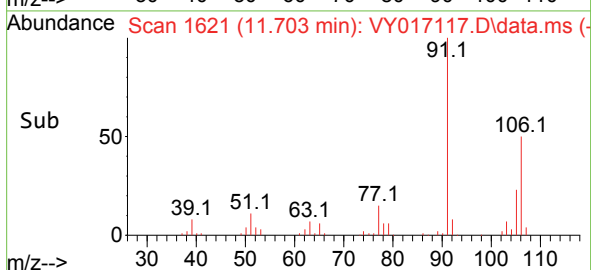
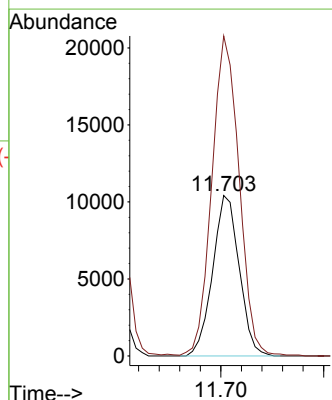
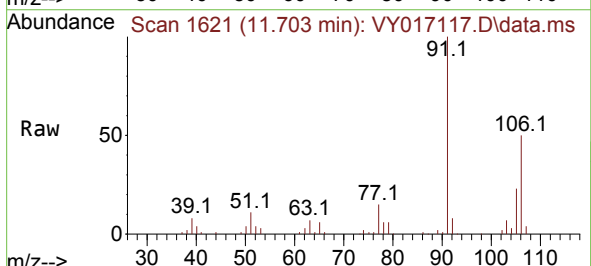
Acq: 26 Jan 2024 13:32

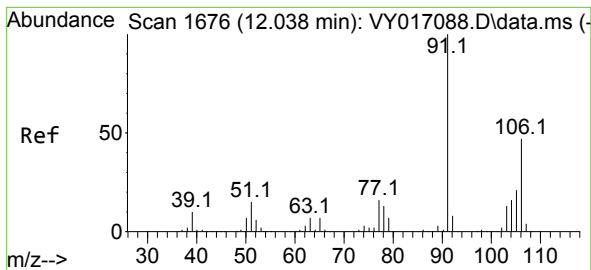
Tgt Ion:106 Resp: 18653

Ion Ratio Lower Upper

106 100

91 204.8 160.7 241.1





#69

o-Xylene

Concen: 3.954 ug/l

RT: 12.032 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

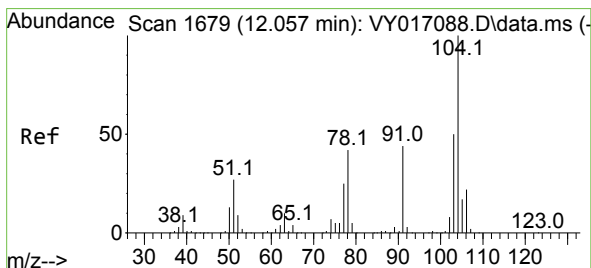
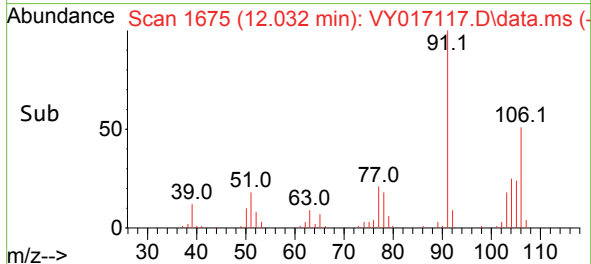
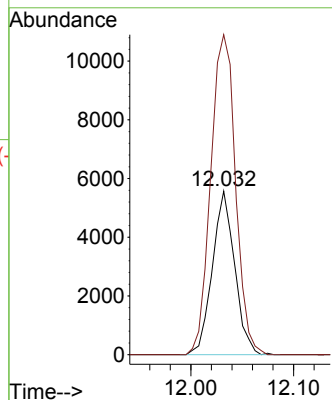
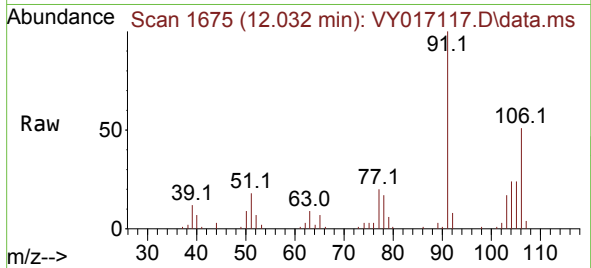
MDL-SOIL-03-QT1-2024

Tgt Ion:106 Resp: 8387

Ion Ratio Lower Upper

106 100

91 217.5 106.5 319.5



#70

Styrene

Concen: 3.788 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

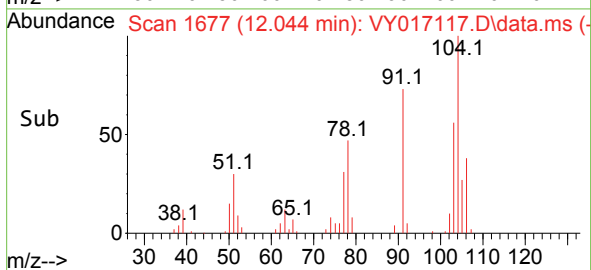
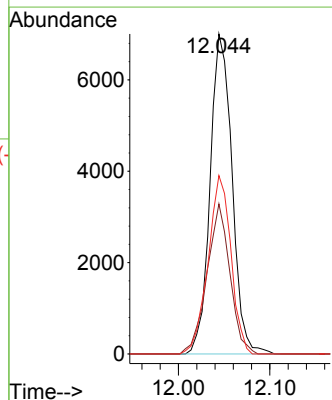
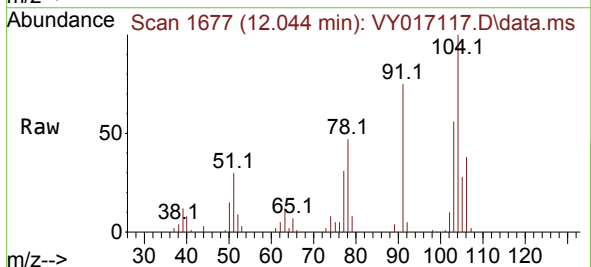
Tgt Ion:104 Resp: 11666

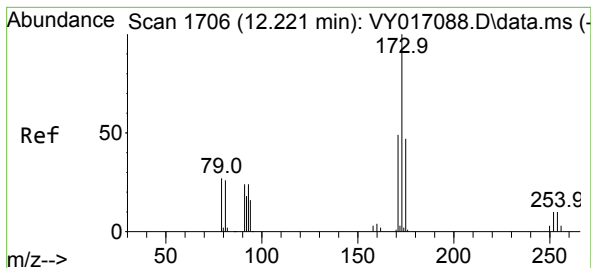
Ion Ratio Lower Upper

104 100

78 49.0 39.2 58.8

103 58.1 43.8 65.6





#71

Bromoform

Concen: 4.048 ug/l

RT: 12.209 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

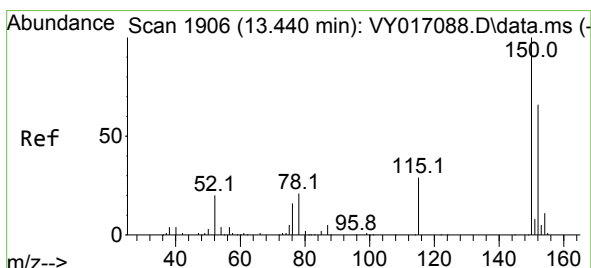
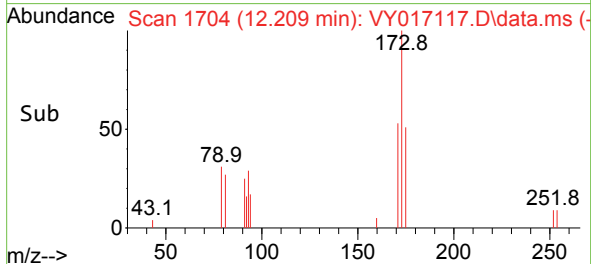
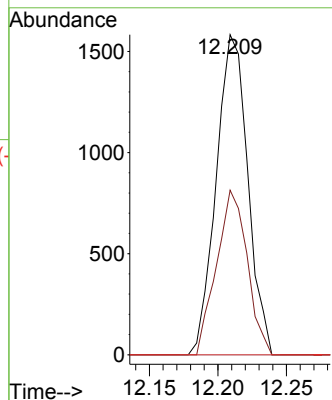
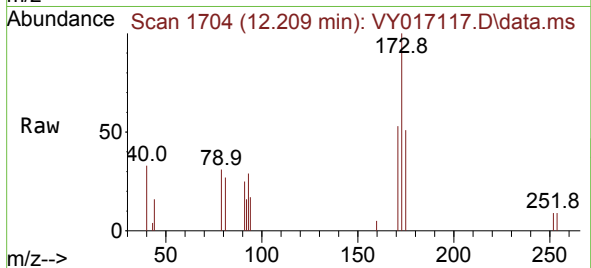
Tgt Ion:173 Resp: 2535

Ion Ratio Lower Upper

173 100

175 50.0 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: VY017117.D

Acq: 26 Jan 2024 13:32

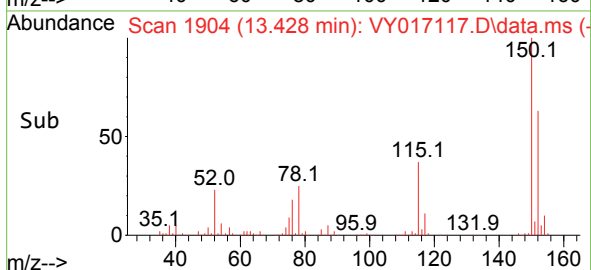
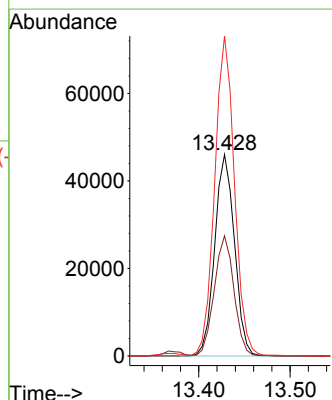
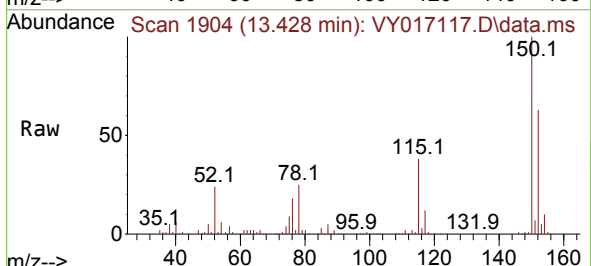
Tgt Ion:152 Resp: 69225

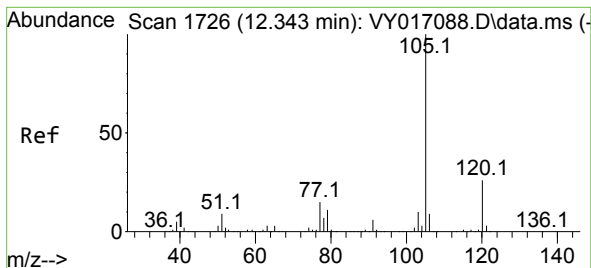
Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

150 158.9 0.0 344.6





#73

Isopropylbenzene

Concen: 3.951 ug/l

RT: 12.331 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

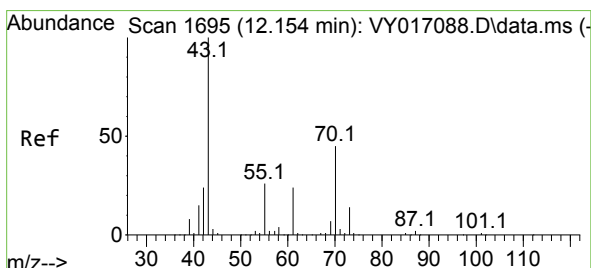
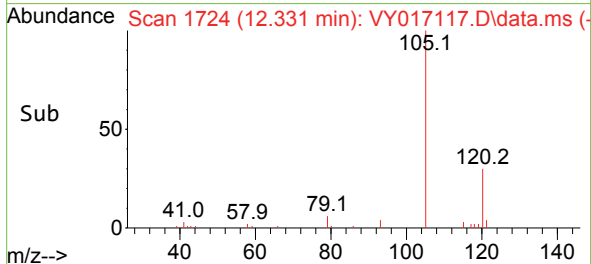
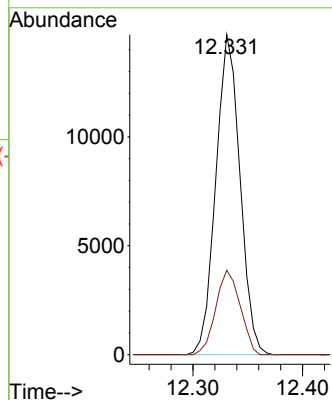
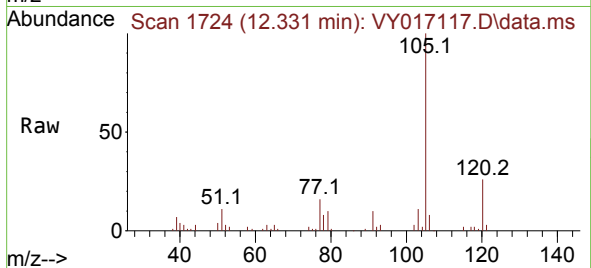
MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 22485

Ion Ratio Lower Upper

105 100

120 26.7 13.0 39.0



#74

N-ethyl acetate

Concen: 3.929 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Tgt Ion: 43 Resp: 4507

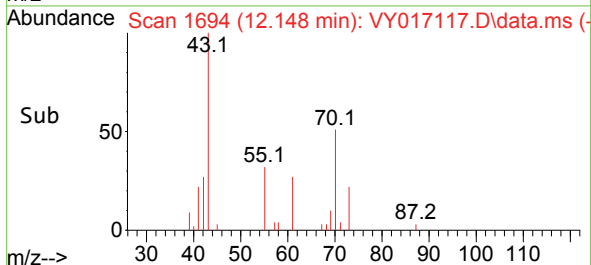
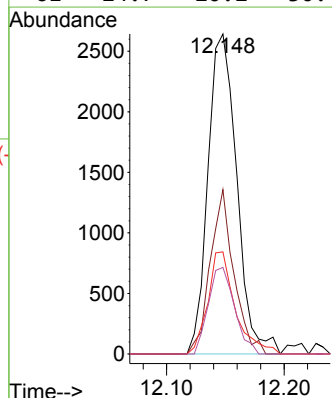
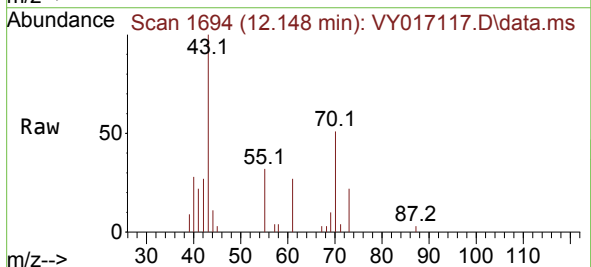
Ion Ratio Lower Upper

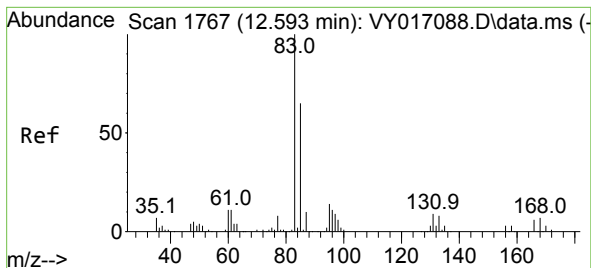
43 100

70 42.0 36.6 55.0

55 30.6 22.2 33.4

61 24.7 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 4.395 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.012 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

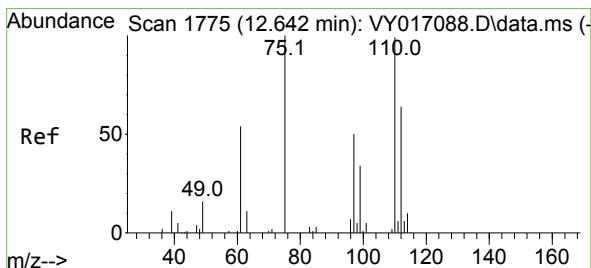
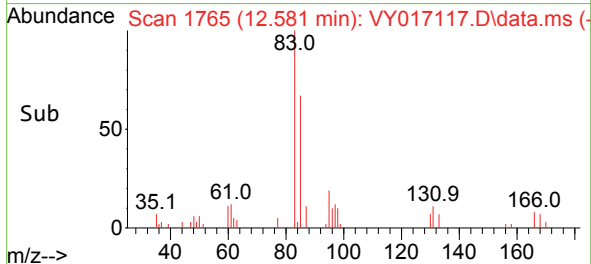
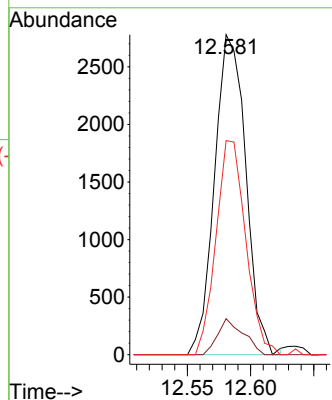
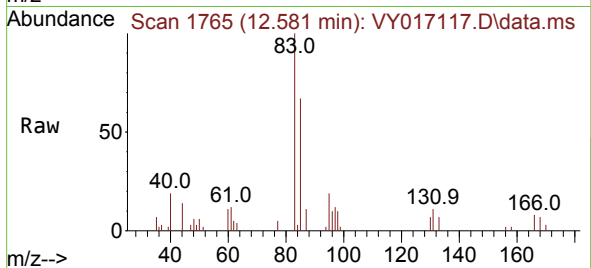
Tgt Ion: 83 Resp: 4769

Ion Ratio Lower Upper

83 100

131 9.3 4.9 14.6

85 63.7 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 6.949 ug/l

RT: 12.629 min Scan# 1773

Delta R.T. -0.013 min

Lab File: VY017117.D

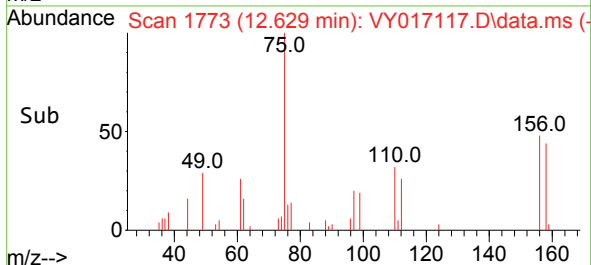
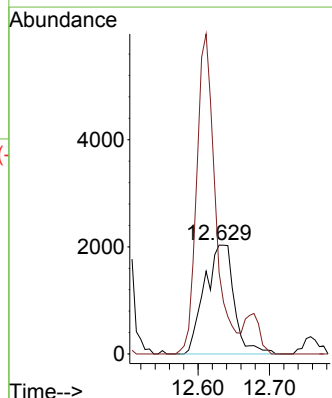
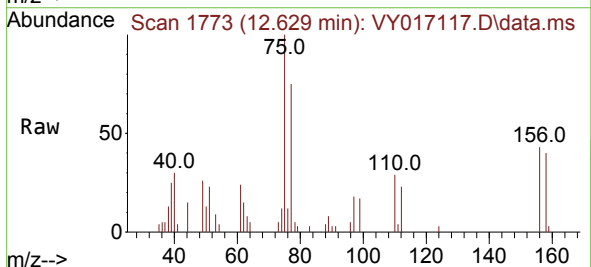
Acq: 26 Jan 2024 13:32

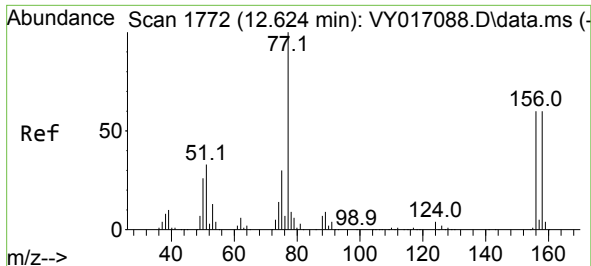
Tgt Ion: 75 Resp: 5839

Ion Ratio Lower Upper

75 100

77 186.5 0.0 0.0#

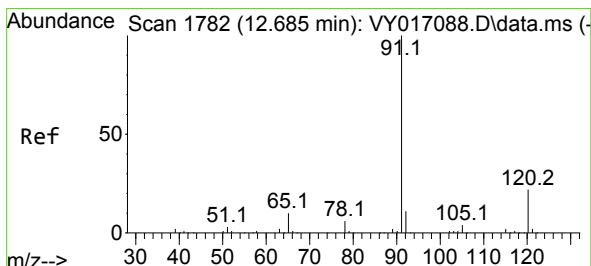
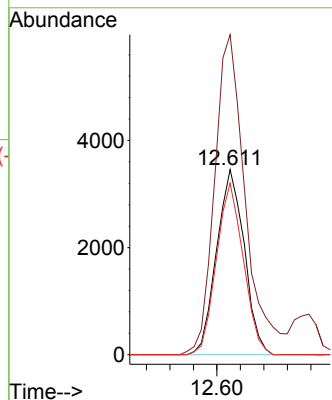
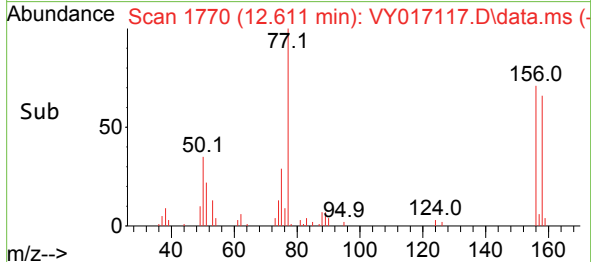
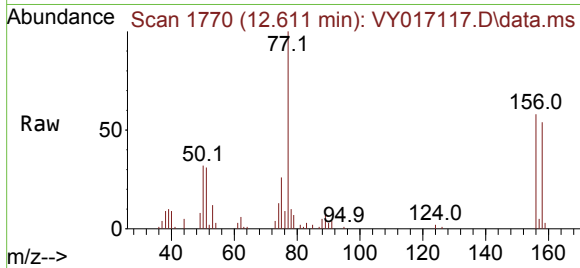




#77
Bromobenzene
Concen: 4.589 ug/l
RT: 12.611 min Scan# 1770
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

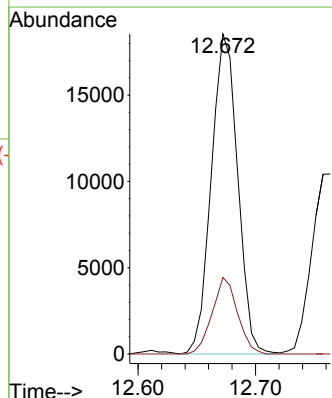
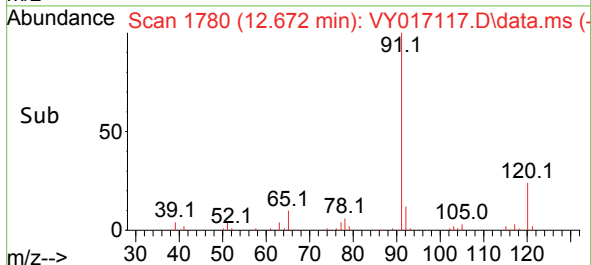
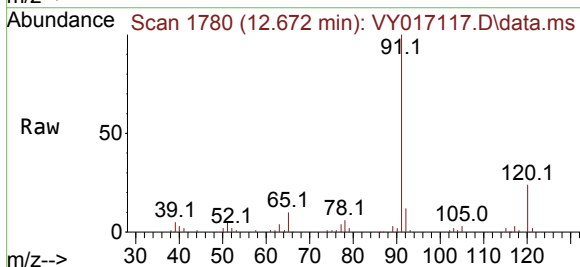
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

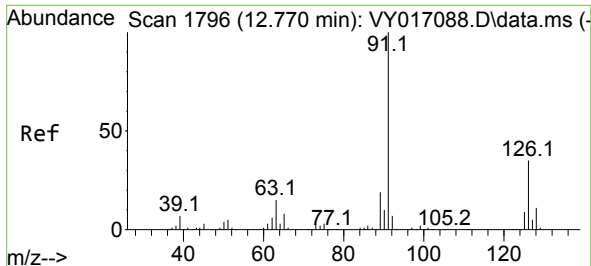
Tgt Ion	Resp	Lower	Upper
156	100		
77	192.7	97.3	291.8
158	90.1	48.4	145.0



#78
n-propylbenzene
Concen: 4.230 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion	Resp	Lower	Upper
91	100		
120	22.9	11.0	33.0

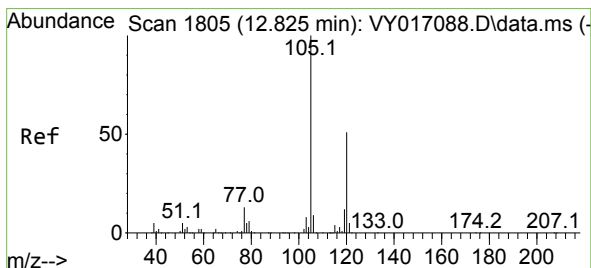
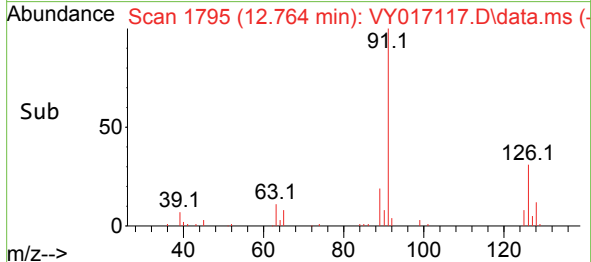
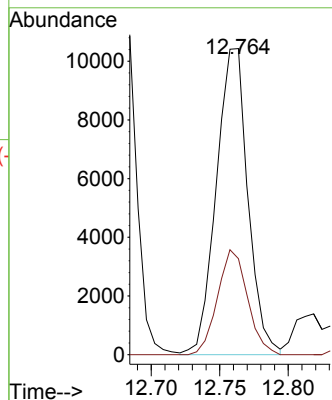
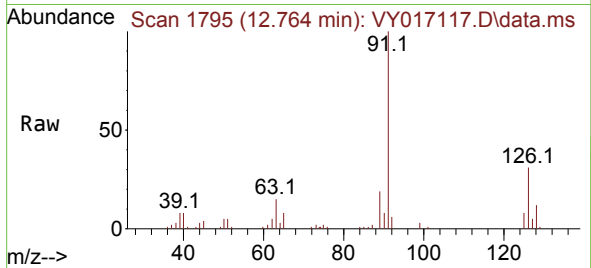




#79
2-Chlorotoluene
Concen: 4.462 ug/l
RT: 12.764 min Scan# 1795
Delta R.T. 0.001 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

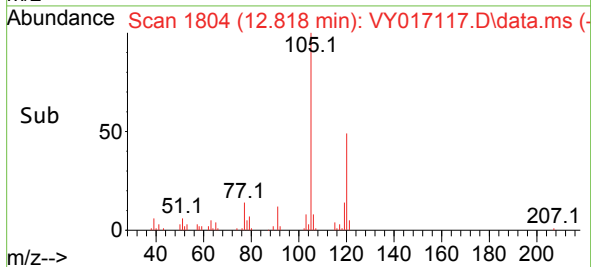
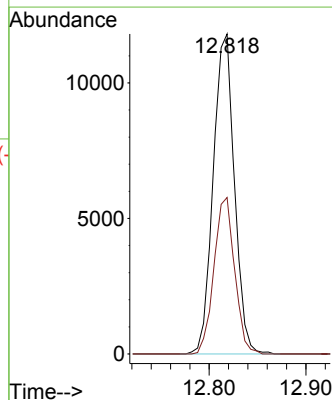
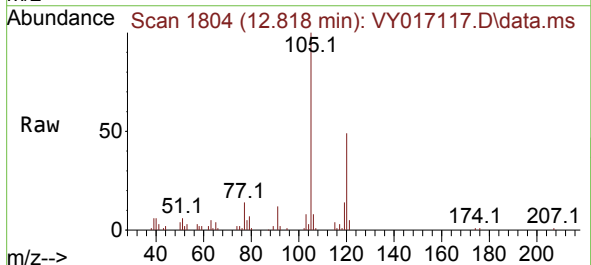
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

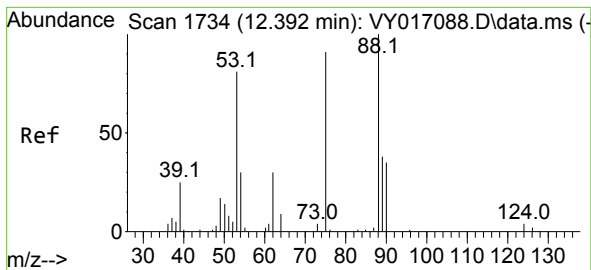
Tgt Ion: 91 Resp: 16761
Ion Ratio Lower Upper
91 100
126 32.4 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 3.985 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.000 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 105 Resp: 17950
Ion Ratio Lower Upper
105 100
120 47.7 24.3 72.8

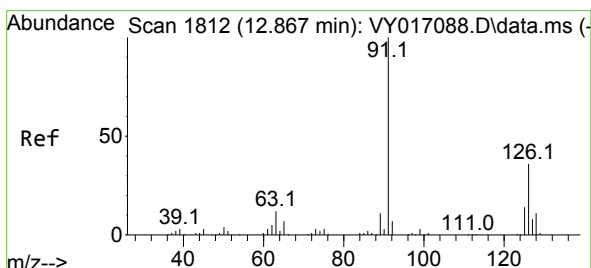
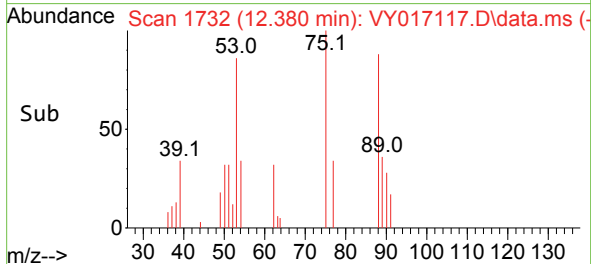
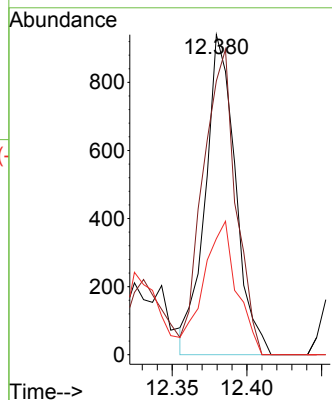
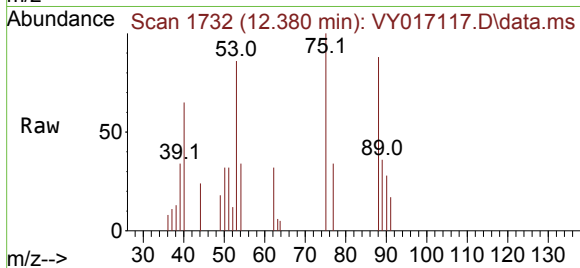




#81
trans-1,4-Dichloro-2-butene
Concen: 4.064 ug/l
RT: 12.380 min Scan# 1732
Delta R.T. -0.005 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

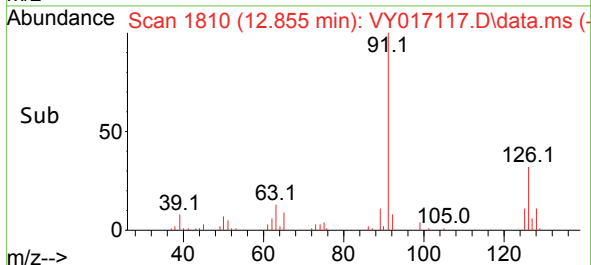
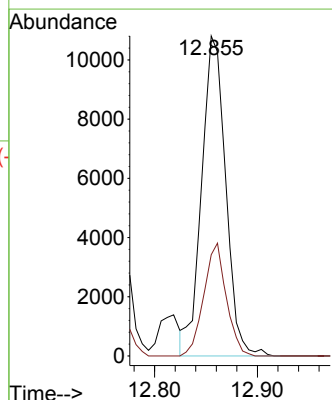
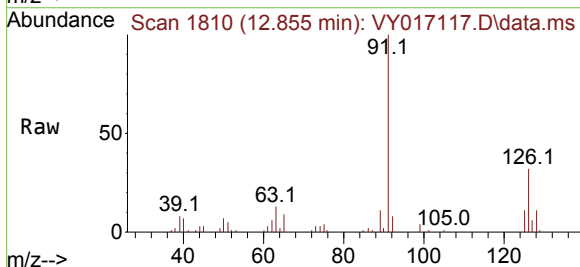
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2024

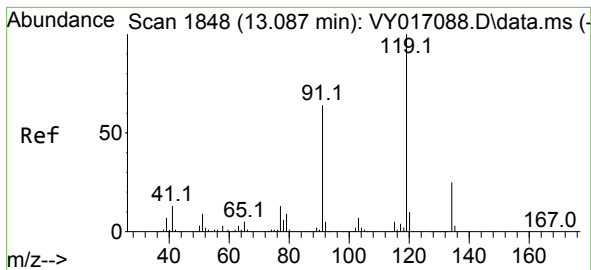
Tgt Ion: 75 Resp: 1319
Ion Ratio Lower Upper
75 100
53 103.6 74.0 111.0
89 45.9 36.5 54.7



#82
4-Chlorotoluene
Concen: 4.533 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion: 91 Resp: 17646
Ion Ratio Lower Upper
91 100
126 32.9 17.1 51.2





#83

tert-Butylbenzene

Concen: 3.939 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. -0.012 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

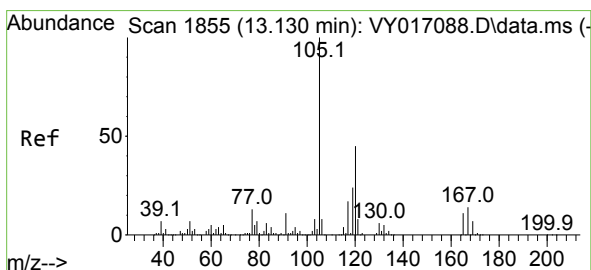
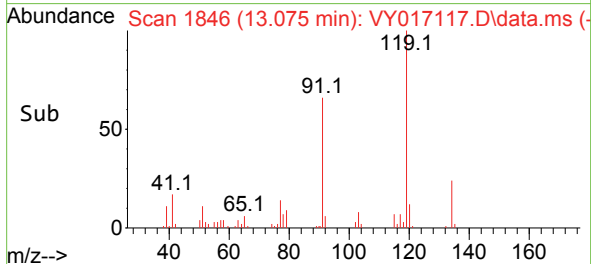
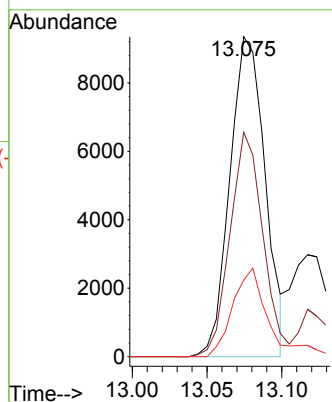
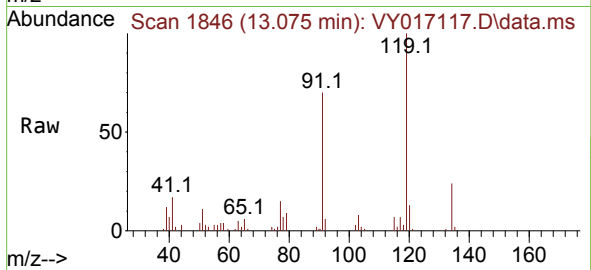
Tgt Ion:119 Resp: 15344

Ion Ratio Lower Upper

119 100

91 65.4 31.5 94.5

134 27.9 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 3.803 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY017117.D

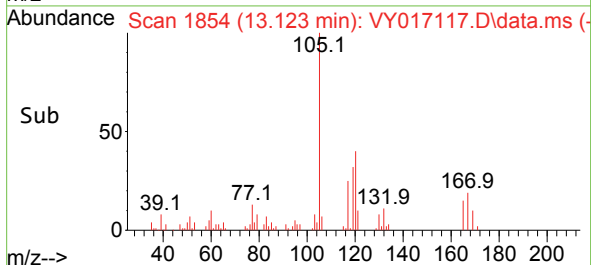
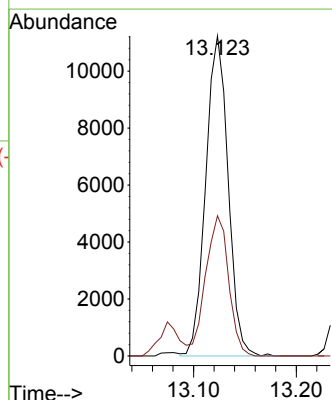
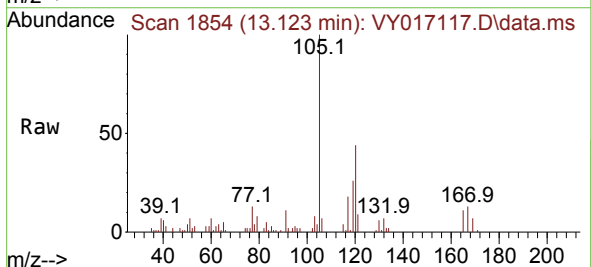
Acq: 26 Jan 2024 13:32

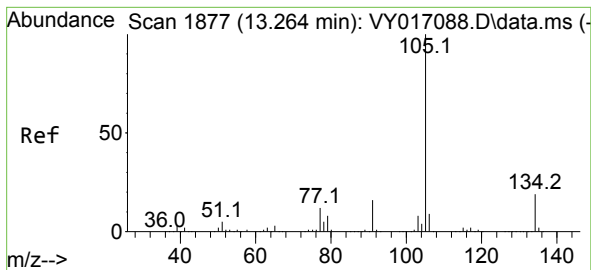
Tgt Ion:105 Resp: 17025

Ion Ratio Lower Upper

105 100

120 45.3 22.1 66.3





#85

sec-Butylbenzene

Concen: 4.052 ug/l

RT: 13.257 min Scan# 1876

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

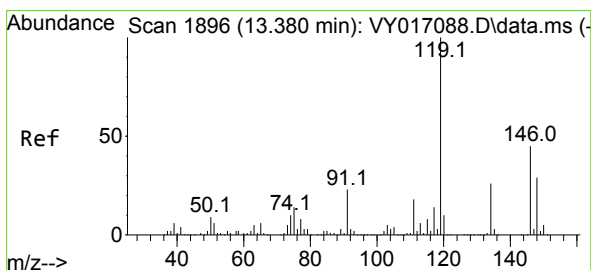
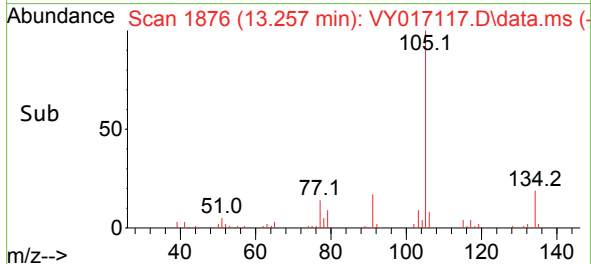
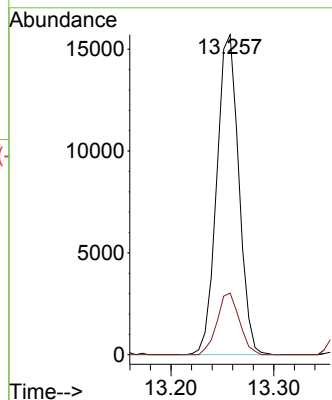
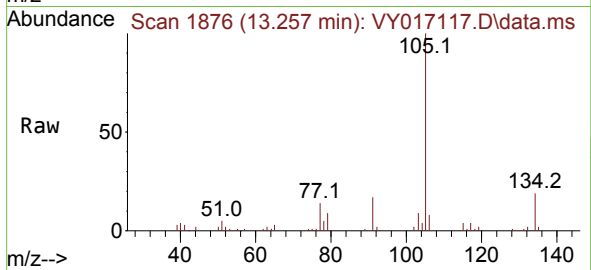
MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 23376

Ion Ratio Lower Upper

105 100

134 19.6 9.7 28.9



#86

p-Isopropyltoluene

Concen: 3.812 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

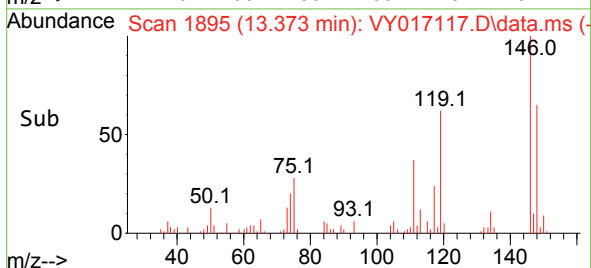
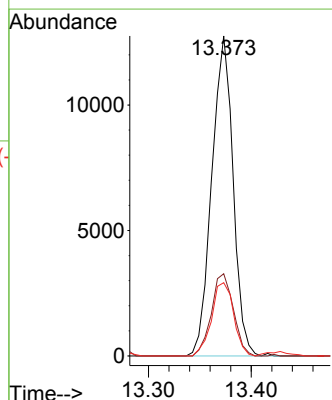
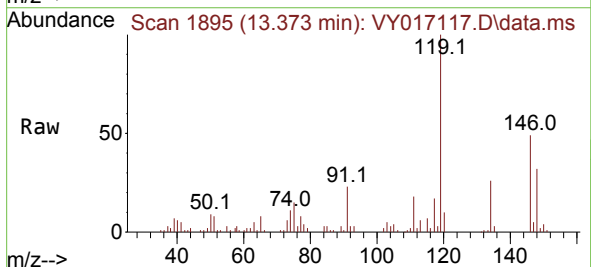
Tgt Ion:119 Resp: 18319

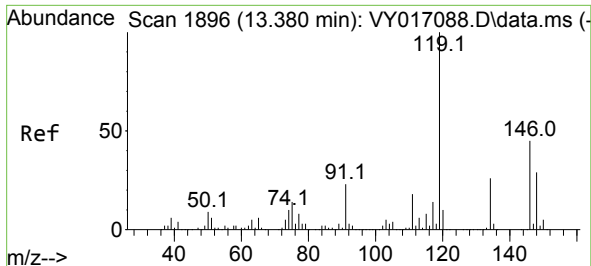
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.1

91 23.8 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 4.407 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

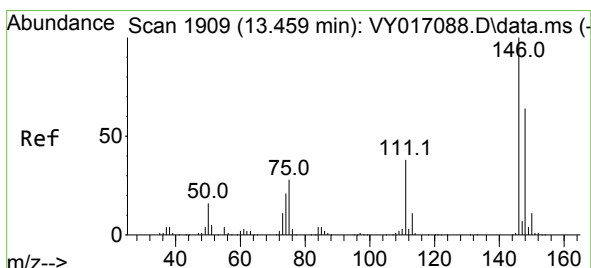
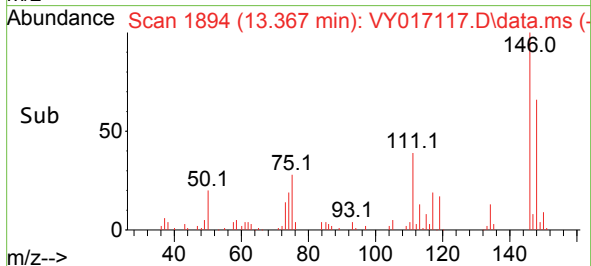
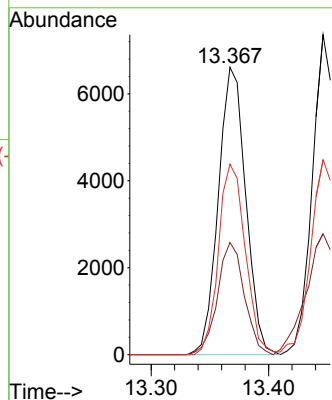
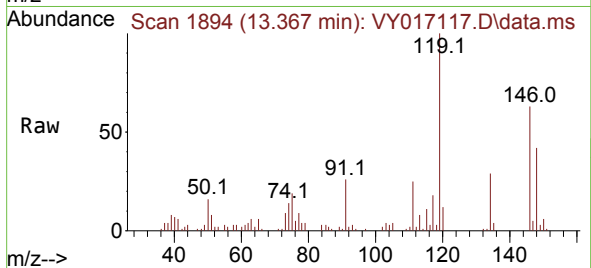
Tgt Ion:146 Resp: 10713

Ion Ratio Lower Upper

146 100

111 38.2 20.2 60.5

148 65.1 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 4.544 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

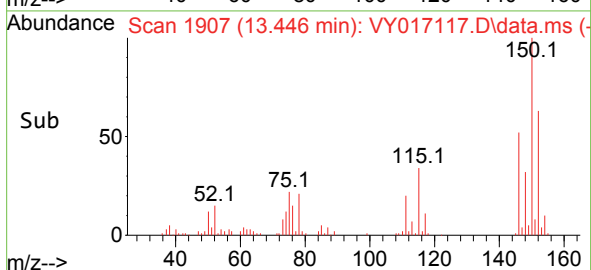
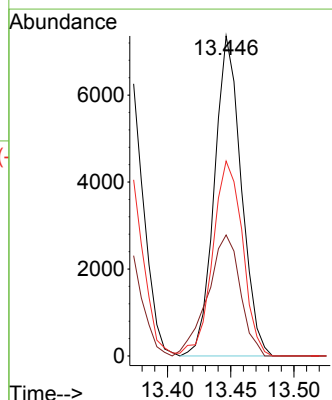
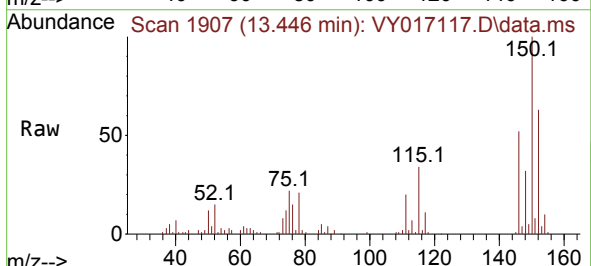
Tgt Ion:146 Resp: 10870

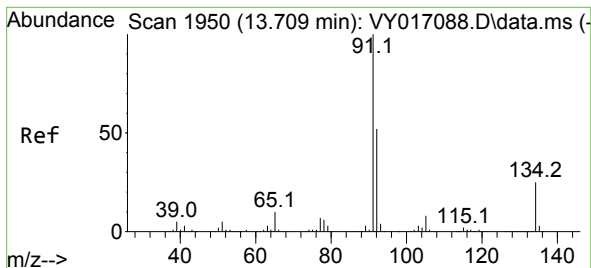
Ion Ratio Lower Upper

146 100

111 45.9 19.3 57.9

148 67.4 31.6 94.7





#89

n-Butylbenzene

Concen: 4.088 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

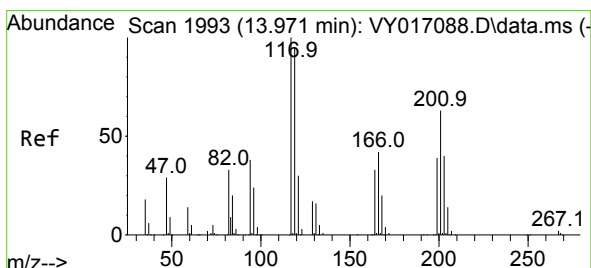
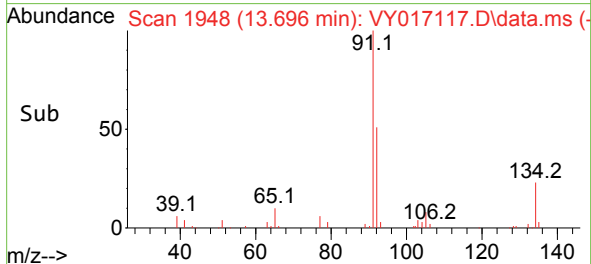
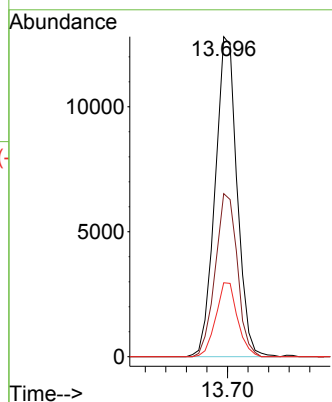
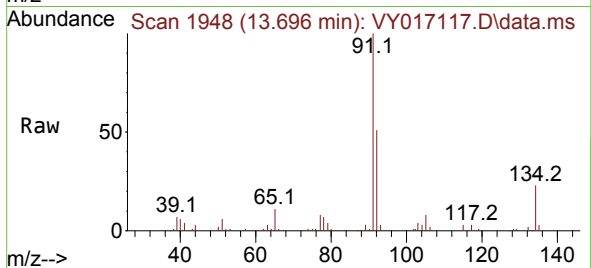
Tgt Ion: 91 Resp: 18949

Ion Ratio Lower Upper

91 100

92 51.2 26.4 79.2

134 22.9 12.3 36.8



#90

Hexachloroethane

Concen: 4.466 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. -0.006 min

Lab File: VY017117.D

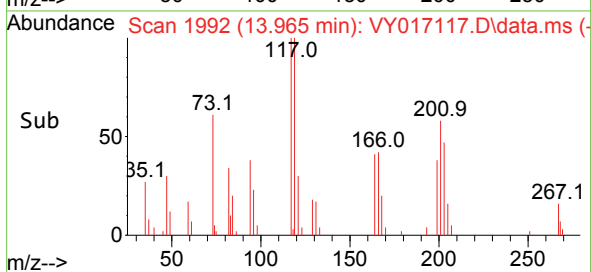
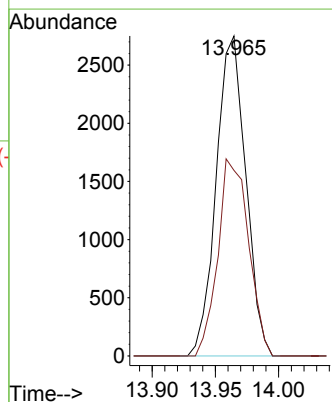
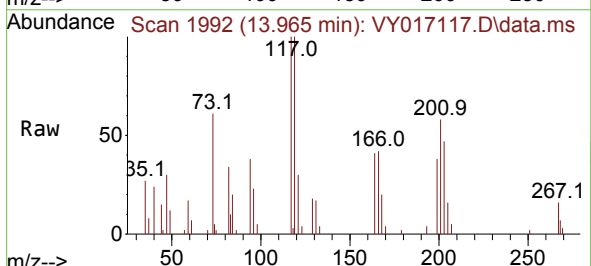
Acq: 26 Jan 2024 13:32

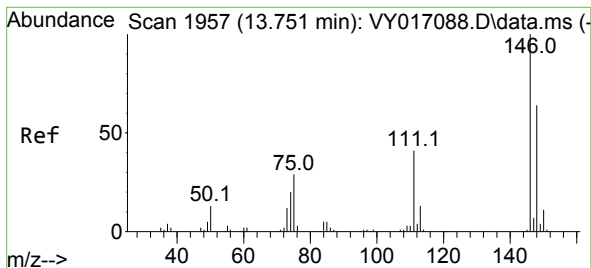
Tgt Ion: 117 Resp: 4473

Ion Ratio Lower Upper

117 100

201 63.8 33.4 100.1





#91

1,2-Dichlorobenzene

Concen: 4.450 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.012 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

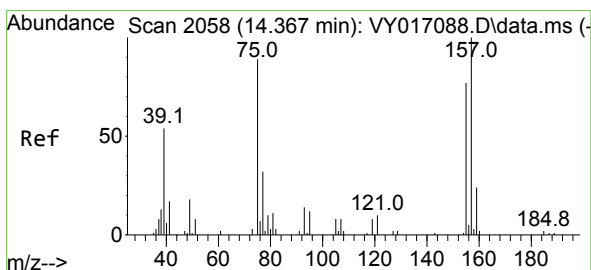
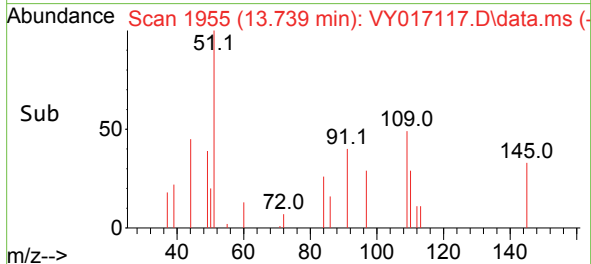
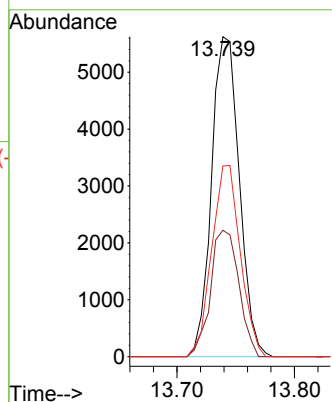
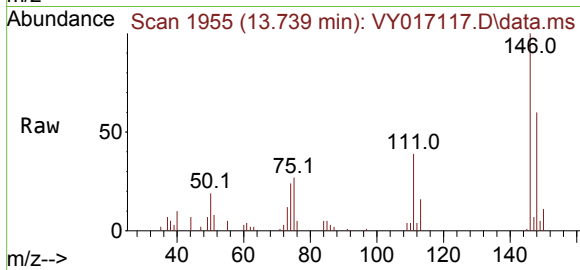
Tgt Ion:146 Resp: 9240

Ion Ratio Lower Upper

146 100

111 40.3 20.5 61.6

148 61.4 31.4 94.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.307 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

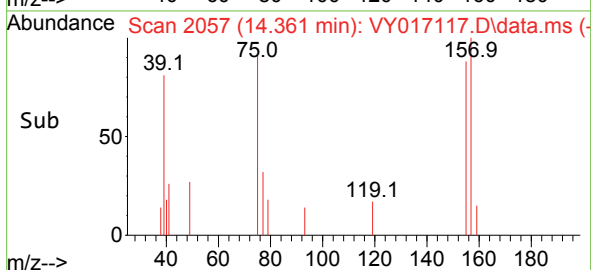
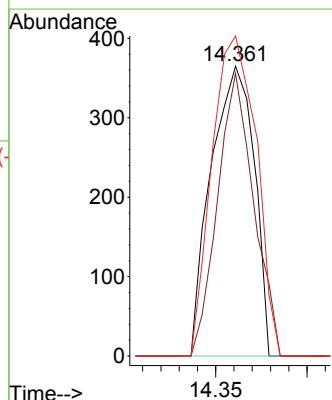
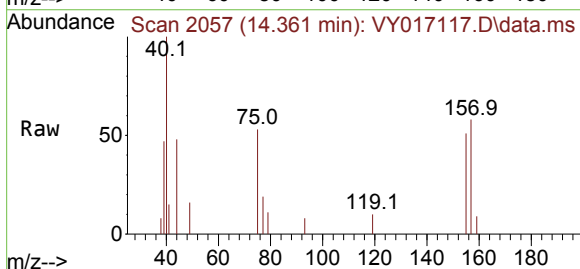
Tgt Ion: 75 Resp: 597

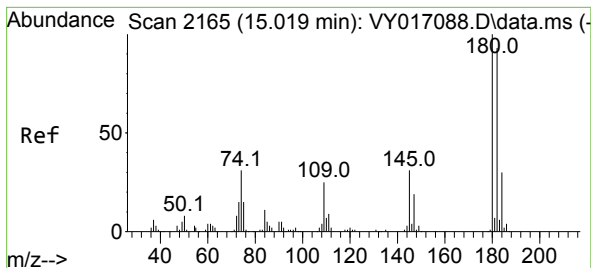
Ion Ratio Lower Upper

75 100

155 82.1 42.1 126.3

157 113.7 55.8 167.4





#93

1,2,4-Trichlorobenzene

Concen: 3.541 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.012 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2024

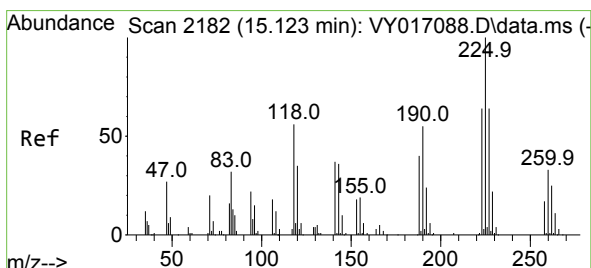
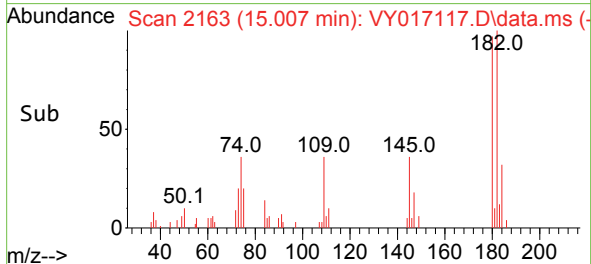
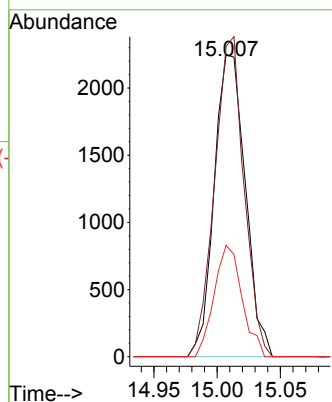
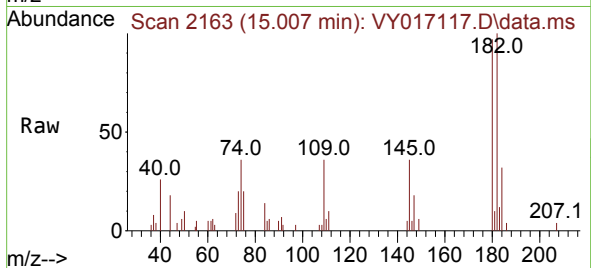
Tgt Ion:180 Resp: 3842

Ion Ratio Lower Upper

180 100

182 99.9 47.9 143.7

145 33.1 15.9 47.7



#94

Hexachlorobutadiene

Concen: 4.323 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. -0.006 min

Lab File: VY017117.D

Acq: 26 Jan 2024 13:32

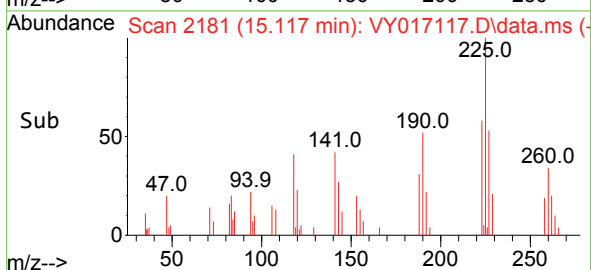
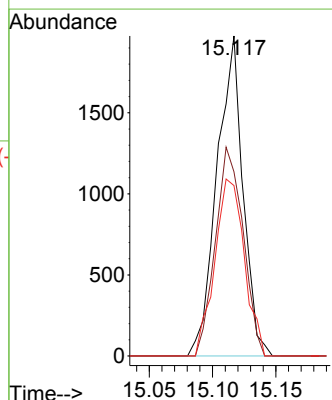
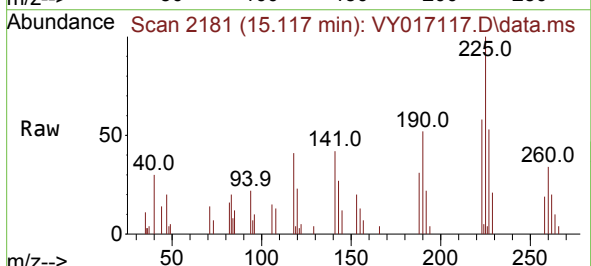
Tgt Ion:225 Resp: 2823

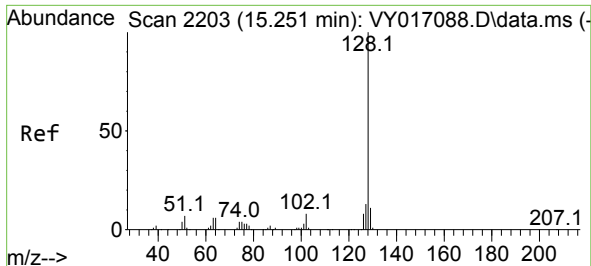
Ion Ratio Lower Upper

225 100

223 69.4 31.4 94.3

227 62.7 32.3 96.8

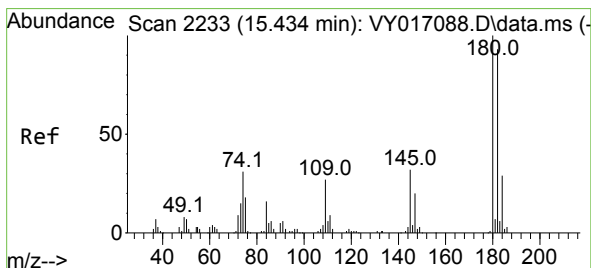
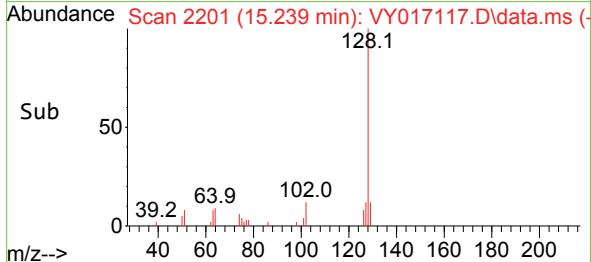
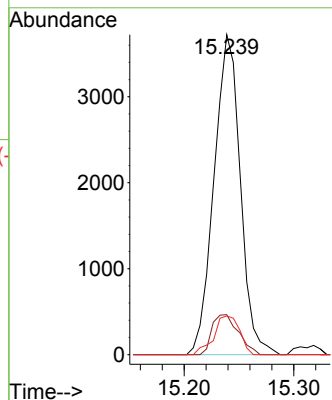
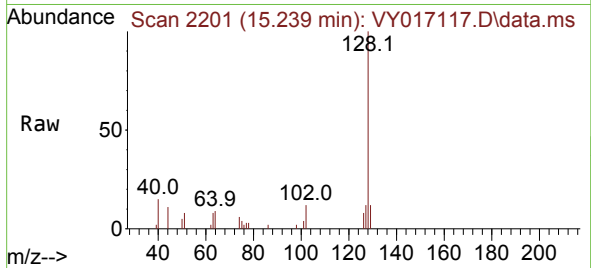




#95
Naphthalene
Concen: 3.240 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

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

Tgt Ion:128 Resp: 6209
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 11.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.891 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. -0.006 min
Lab File: VY017117.D
Acq: 26 Jan 2024 13:32

Tgt Ion:180 Resp: 3512
Ion Ratio Lower Upper
180 100
182 98.9 46.3 138.8
145 33.3 16.1 48.2

