

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051524\
 Data File : VY018267.D
 Acq On : 15 May 2024 11:20
 Operator : SY/MD
 Sample : P2403-03 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: May 16 03:54:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 03:54:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	185832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	337173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	274967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	40856	29.885	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	59.760%		
35) Dibromofluoromethane	7.716	113	47007	26.528	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	53.060%#		
50) Toluene-d8	10.179	98	191225	27.385	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	54.780%#		
62) 4-Bromofluorobenzene	12.483	95	56271	24.954	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	49.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4073	2.764	ug/l	97
3) Chloromethane	2.113	50	6885	3.490	ug/l	92
4) Vinyl Chloride	2.247	62	7589	3.173	ug/l	99
5) Bromomethane	2.649	94	6068	3.654	ug/l	92
6) Chloroethane	2.790	64	4978	3.280	ug/l	99
7) Trichlorofluoromethane	3.119	101	8191	2.924	ug/l	100
8) Diethyl Ether	3.521	74	3064	3.323	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.887	101	5231	2.930	ug/l	89
10) Methyl Iodide	4.082	142	4885	2.343	ug/l	97
11) Tert butyl alcohol	4.942	59	2664	19.495	ug/l #	87
12) 1,1-Dichloroethene	3.875	96	5544	3.085	ug/l #	75
13) Acrolein	3.722	56	2380	16.150	ug/l #	75
14) Allyl chloride	4.472	41	7066	3.091	ug/l	95
15) Acrylonitrile	5.161	53	5219	14.717	ug/l	92
16) Acetone	3.936	43	4694	17.205	ug/l	91
17) Carbon Disulfide	4.186	76	15201	3.107	ug/l #	94
18) Methyl Acetate	4.460	43	2760	3.551	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	11081	2.768	ug/l	97
20) Methylene Chloride	4.704	84	11851	6.146	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	5929	3.112	ug/l	91
22) Diisopropyl ether	6.106	45	14389	2.967	ug/l #	92
23) Vinyl Acetate	6.057	43	39319	13.339	ug/l	97
24) 1,1-Dichloroethane	6.003	63	8936	2.991	ug/l	97
25) 2-Butanone	6.978	43	5942	13.625	ug/l	97
26) 2,2-Dichloropropane	6.972	77	8083	2.990	ug/l	85
27) cis-1,2-Dichloroethene	6.984	96	6855	3.045	ug/l	98
28) Bromochloromethane	7.332	49	3846	3.221	ug/l #	94
29) Tetrahydrofuran	7.350	42	4131	14.350	ug/l	94
30) Chloroform	7.496	83	9433	3.025	ug/l	97
31) Cyclohexane	7.783	56	11571	4.080	ug/l #	64
32) 1,1,1-Trichloroethane	7.703	97	7900	2.826	ug/l	97
36) 1,1-Dichloropropene	7.917	75	7579	2.984	ug/l	96
37) Ethyl Acetate	7.069	43	3046	2.849	ug/l #	95
38) Carbon Tetrachloride	7.899	117	7055	2.542	ug/l #	92
39) Methylcyclohexane	9.185	83	9264	2.528	ug/l	97
40) Benzene	8.161	78	22003	2.693	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	2200	3.563	ug/l #	81
42) 1,2-Dichloroethane	8.240	62	5141	2.892	ug/l	86
43) Isopropyl Acetate	8.270	43	6118	2.792	ug/l	99
44) Trichloroethene	8.941	130	5913	2.658	ug/l	93
45) 1,2-Dichloropropane	9.215	63	4911	2.749	ug/l	91
46) Dibromomethane	9.301	93	2663	2.593	ug/l	99
47) Bromodichloromethane	9.496	83	6330	2.493	ug/l #	97
48) Methyl methacrylate	9.295	41	2405	2.394	ug/l #	94
49) 1,4-Dioxane	9.289	88	960	70.423	ug/l #	96
51) 4-Methyl-2-Pentanone	10.069	43	13412	12.176	ug/l	97
52) Toluene	10.246	92	14015	2.664	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	5840	2.463	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	7413	2.557	ug/l	95
55) 1,1,2-Trichloroethane	10.654	97	3453	2.448	ug/l #	79
56) Ethyl methacrylate	10.514	69	4207	2.196	ug/l #	74
57) 1,3-Dichloropropane	10.794	76	6001	2.614	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.782	63	10447	11.419	ug/l	95
59) 2-Hexanone	10.837	43	8201	10.648	ug/l	94
60) Dibromochloromethane	10.983	129	4175	2.281	ug/l	95
61) 1,2-Dibromoethane	11.093	107	3302	2.485	ug/l	94
64) Tetrachloroethene	10.721	164	4745	2.592	ug/l	91
65) Chlorobenzene	11.514	112	14373	2.567	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	4622	2.552	ug/l	91
67) Ethyl Benzene	11.599	91	25434	2.690	ug/l	97
68) m/p-Xylenes	11.709	106	19892	5.320	ug/l	98
69) o-Xylene	12.032	106	8563	2.386	ug/l	89
70) Styrene	12.044	104	14971	2.498	ug/l	100
71) Bromoform	12.209	173	2510	2.504	ug/l #	95
73) Isopropylbenzene	12.331	105	23569	2.744	ug/l	95
74) N-amyl acetate	12.154	43	4485	2.516	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	3520	2.569	ug/l	92
76) 1,2,3-Trichloropropane	12.642	75	4756	5.187	ug/l #	100
77) Bromobenzene	12.611	156	5248	2.660	ug/l	99
78) n-propylbenzene	12.672	91	28649	2.868	ug/l	100
79) 2-Chlorotoluene	12.757	91	15646	2.819	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	18217	2.690	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	1334	2.803	ug/l	95
82) 4-Chlorotoluene	12.855	91	15591	2.796	ug/l	96
83) tert-Butylbenzene	13.074	119	17530	2.807	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	18396	2.773	ug/l	99
85) sec-Butylbenzene	13.257	105	24523	2.677	ug/l	98
86) p-Isopropyltoluene	13.373	119	20061	2.662	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	9999	2.624	ug/l	99
88) 1,4-Dichlorobenzene	13.367	146	9999	2.692	ug/l	99
89) n-Butylbenzene	13.702	91	17809	2.611	ug/l	99
90) Hexachloroethane	13.958	117	3674	2.485	ug/l	91
91) 1,2-Dichlorobenzene	13.739	146	8460	2.583	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.361	75	416	2.230	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	4315	2.344	ug/l	93
94) Hexachlorobutadiene	15.123	225	2351	2.314	ug/l	95
95) Naphthalene	15.239	128	7120	2.111	ug/l	98
96) 1,2,3-Trichlorobenzene	15.434	180	3409	2.256	ug/l	97

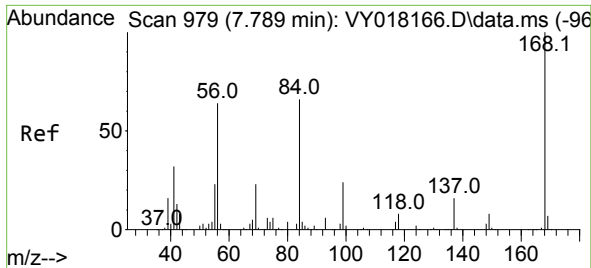
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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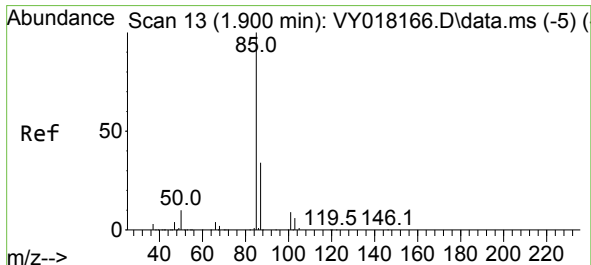
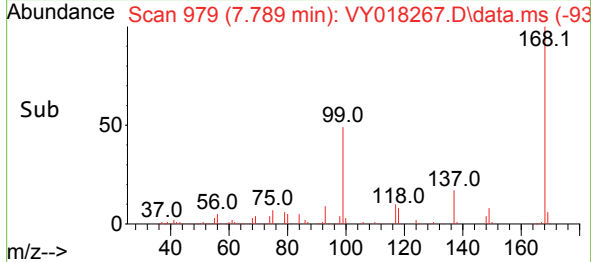
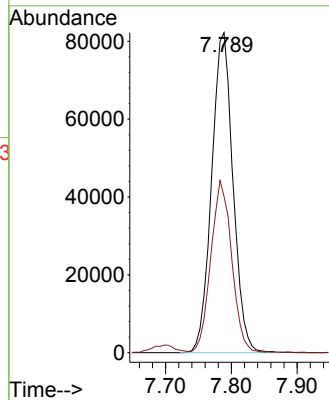
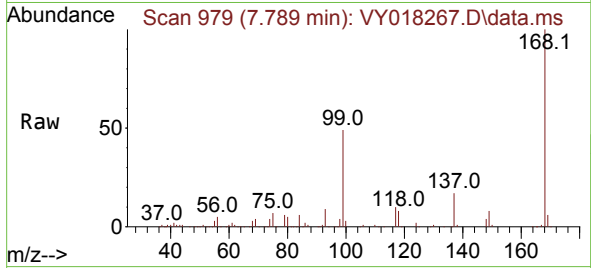
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

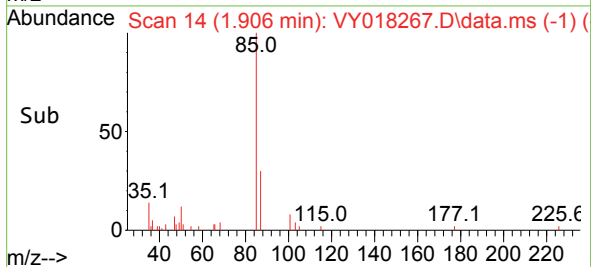
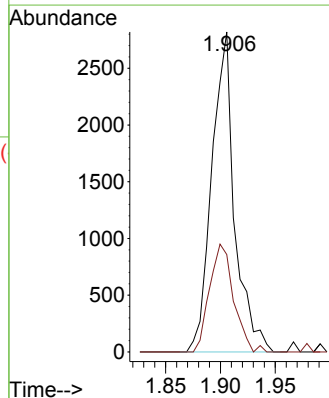
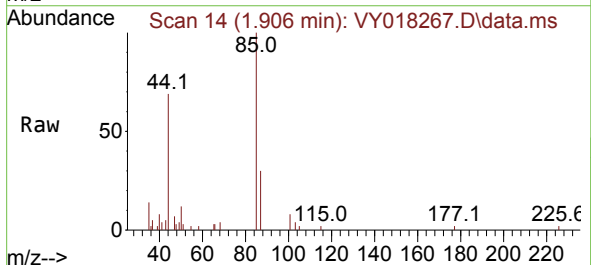
Instrument :
MSVOA_Y
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MDL-SOIL-03-QT2-2024

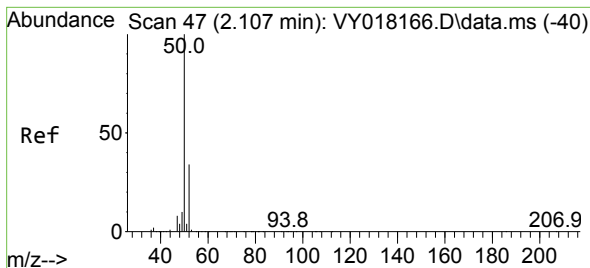
Tgt Ion:168 Resp: 185832
Ion Ratio Lower Upper
168 100
99 48.7 39.1 58.7



#2
Dichlorodifluoromethane
Concen: 2.764 ug/l
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 85 Resp: 4073
Ion Ratio Lower Upper
85 100
87 30.4 16.0 48.0





#3

Chloromethane

Concen: 3.490 ug/l

RT: 2.113 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

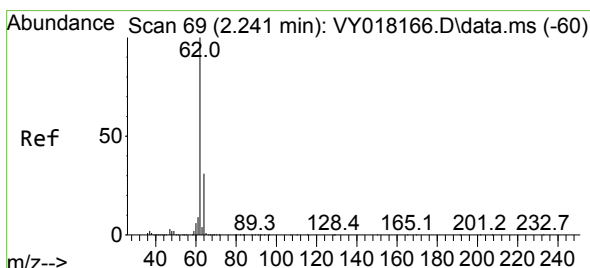
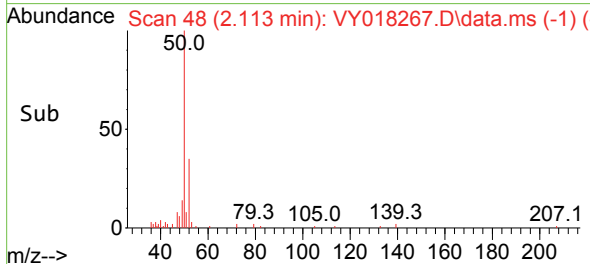
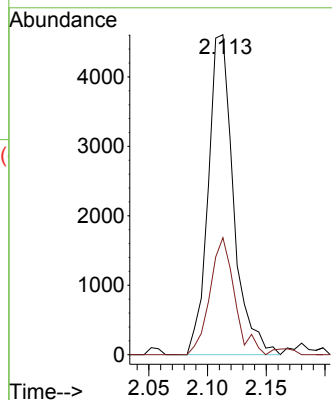
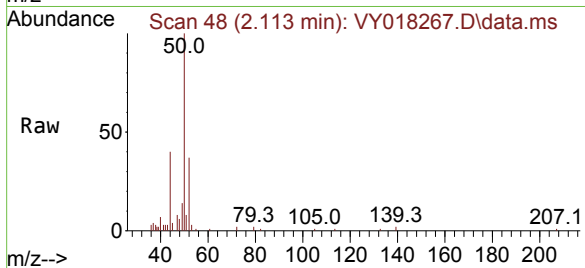
MDL-SOIL-03-QT2-2024

Tgt Ion: 50 Resp: 6885

Ion Ratio Lower Upper

50 100

52 36.6 25.6 38.4



#4

Vinyl Chloride

Concen: 3.173 ug/l

RT: 2.247 min Scan# 70

Delta R.T. 0.006 min

Lab File: VY018267.D

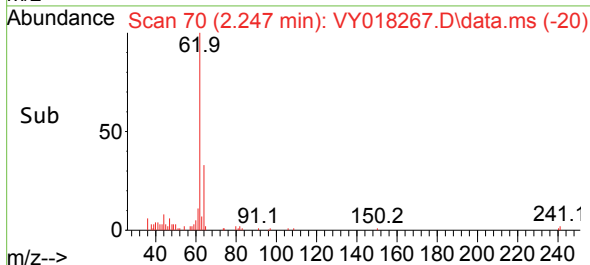
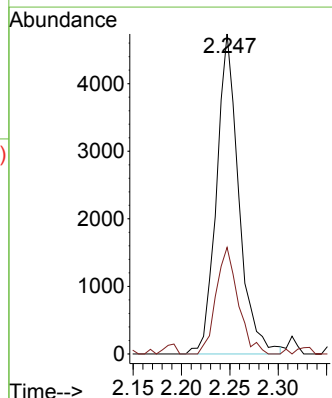
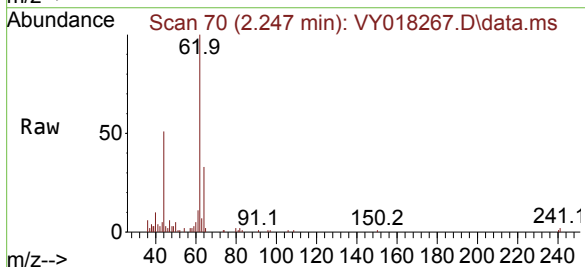
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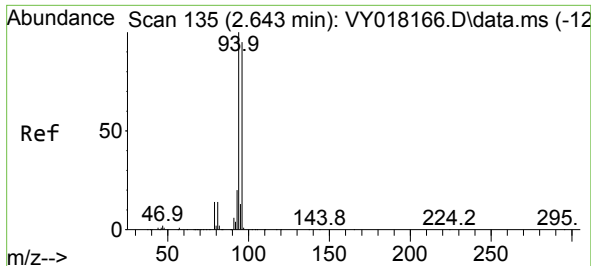
Tgt Ion: 62 Resp: 7589

Ion Ratio Lower Upper

62 100

64 33.3 26.1 39.1





#5

Bromomethane

Concen: 3.654 ug/l

RT: 2.649 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018267.D

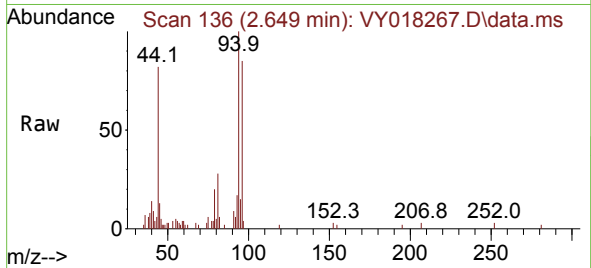
Acq: 15 May 2024 11:20

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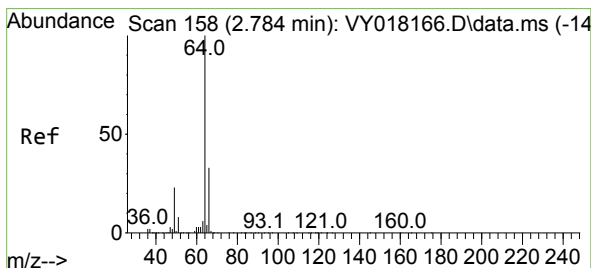
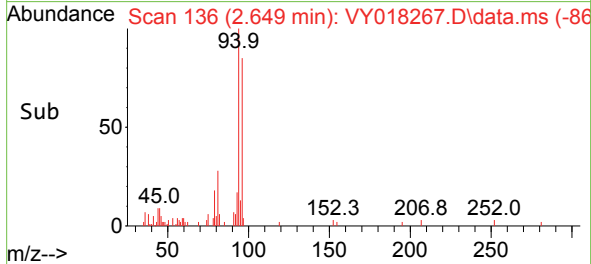
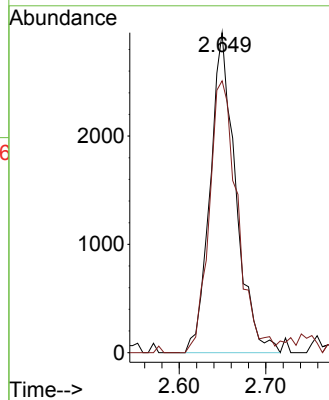


Tgt Ion: 94 Resp: 6068

Ion Ratio Lower Upper

94 100

96 84.9 74.1 111.1



#6

Chloroethane

Concen: 3.280 ug/l

RT: 2.790 min Scan# 159

Delta R.T. 0.006 min

Lab File: VY018267.D

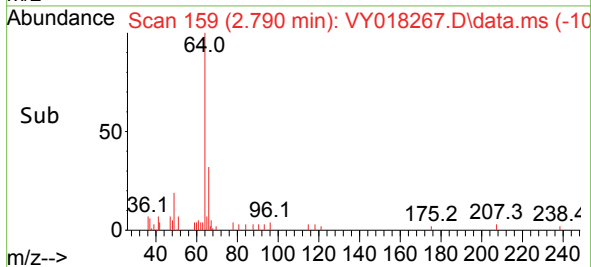
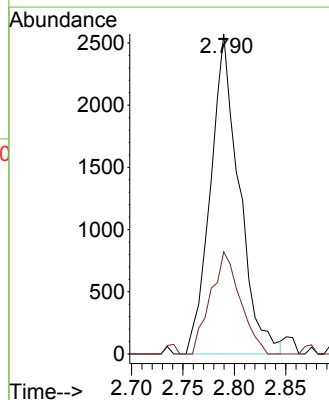
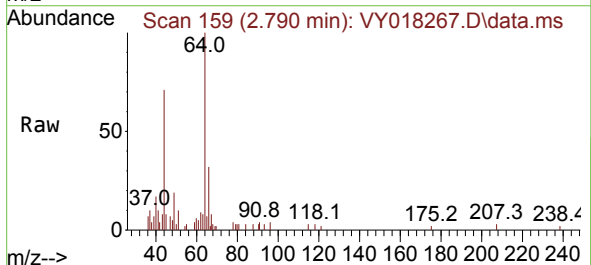
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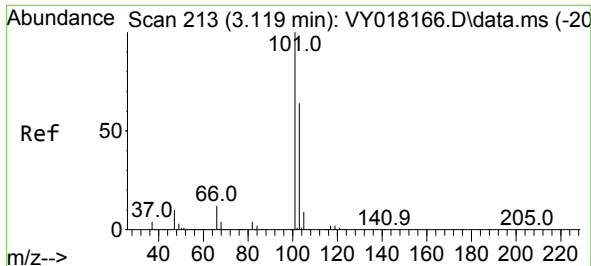
Tgt Ion: 64 Resp: 4978

Ion Ratio Lower Upper

64 100

66 31.9 26.1 39.1

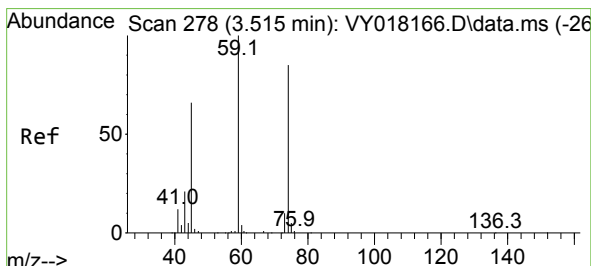
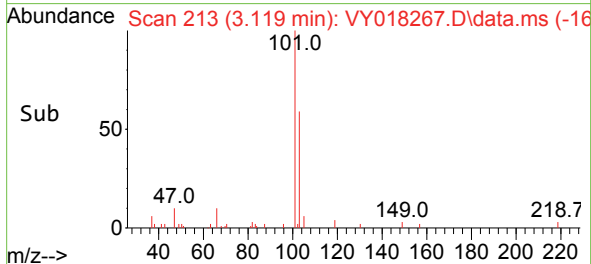
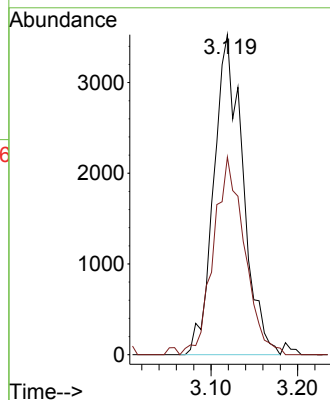
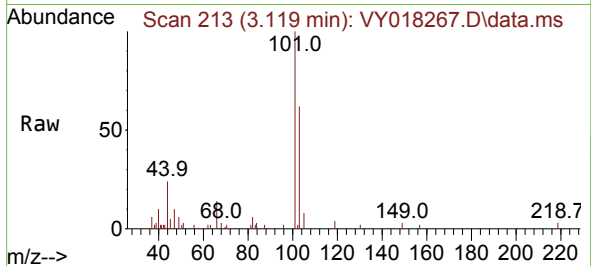




#7
Trichlorofluoromethane
Concen: 2.924 ug/l
RT: 3.119 min Scan# 213
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

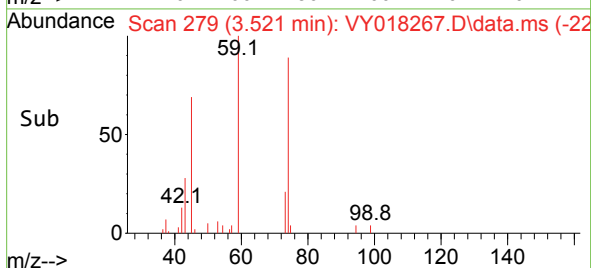
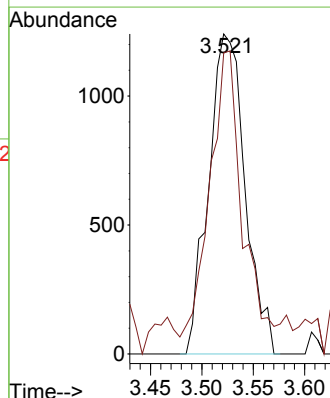
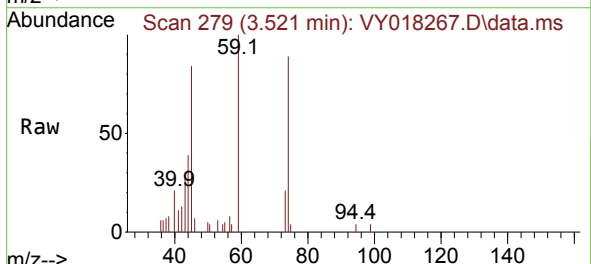
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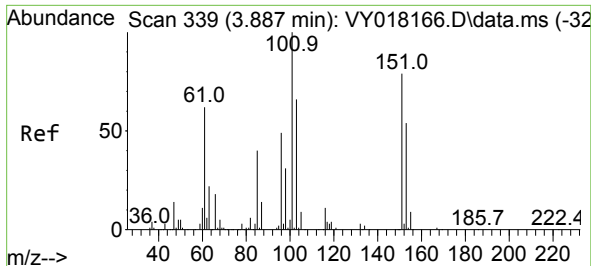
Tgt Ion:101 Resp: 8191
Ion Ratio Lower Upper
101 100
103 61.7 49.3 73.9



#8
Diethyl Ether
Concen: 3.323 ug/l
RT: 3.521 min Scan# 279
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 74 Resp: 3064
Ion Ratio Lower Upper
74 100
45 76.4 41.3 124.1

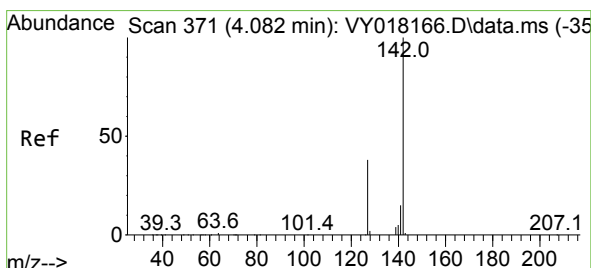
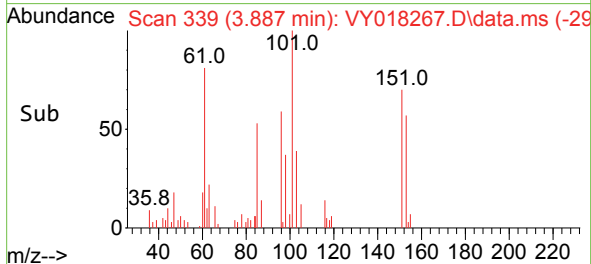
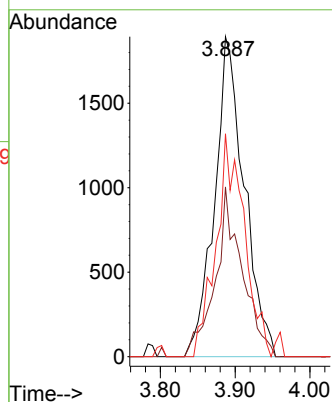
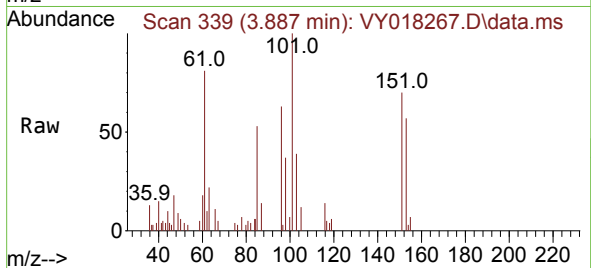




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.930 ug/l
RT: 3.887 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY018267.D
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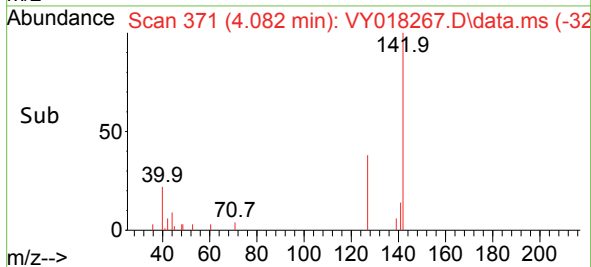
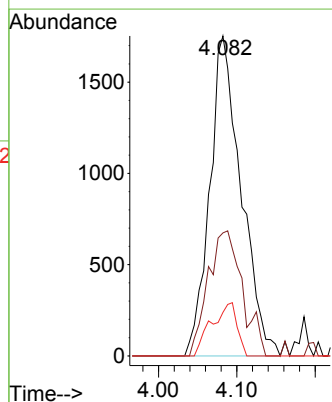
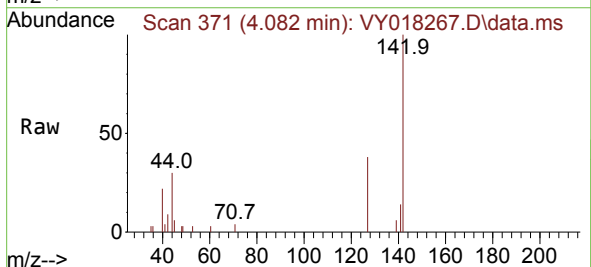
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

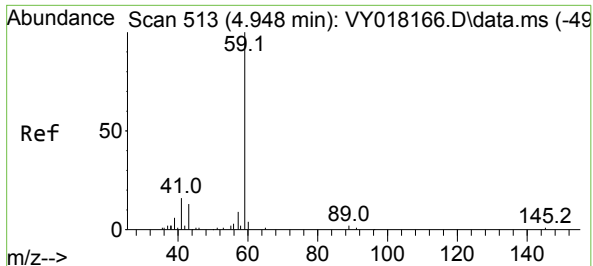
Tgt Ion:101 Resp: 5231
Ion Ratio Lower Upper
101 100
85 47.8 34.5 51.7
151 66.4 61.7 92.5



#10
Methyl Iodide
Concen: 2.343 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion:142 Resp: 4885
Ion Ratio Lower Upper
142 100
127 42.7 32.8 49.2
141 13.4 11.4 17.2

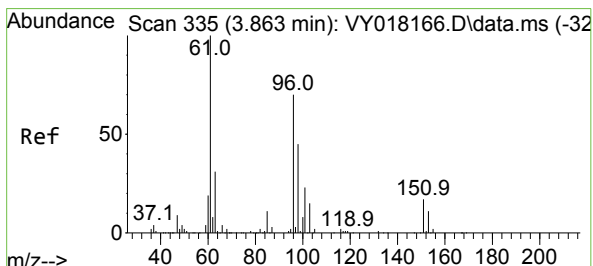
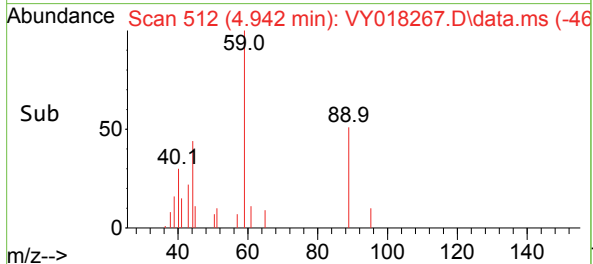
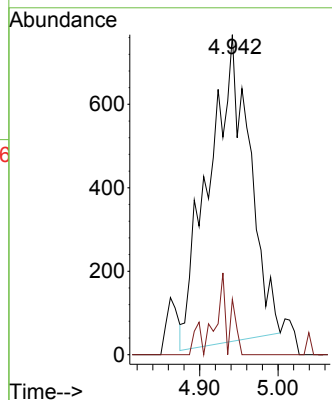
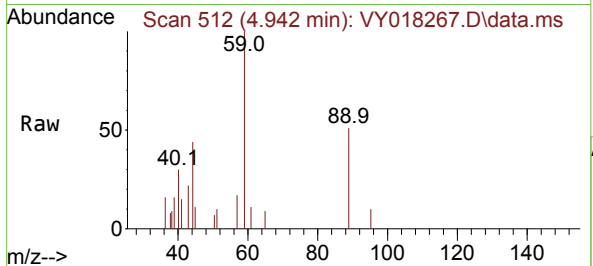




#11
Tert butyl alcohol
Concen: 19.495 ug/l
RT: 4.942 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

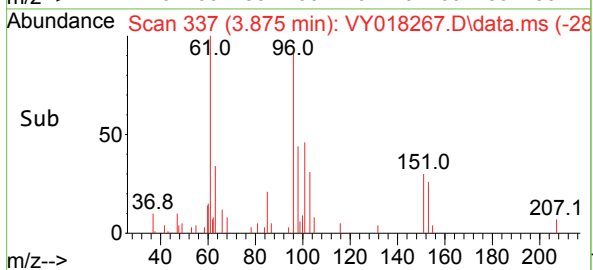
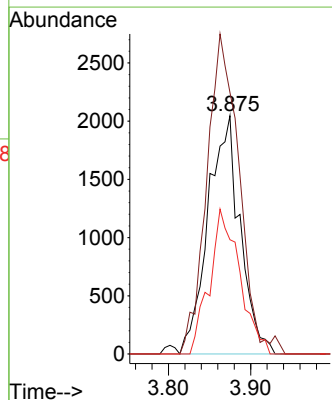
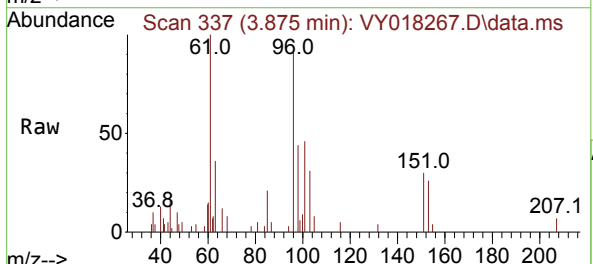
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

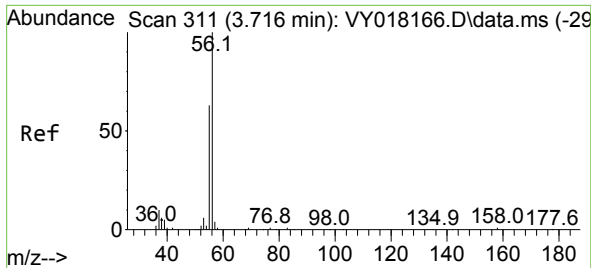
Tgt Ion: 59 Resp: 2664
Ion Ratio Lower Upper
59 100
57 8.1 3.0 4.6#



#12
1,1-Dichloroethene
Concen: 3.085 ug/l
RT: 3.875 min Scan# 337
Delta R.T. 0.012 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 96 Resp: 5544
Ion Ratio Lower Upper
96 100
61 109.7 114.6 171.8#
98 48.0 50.8 76.2#

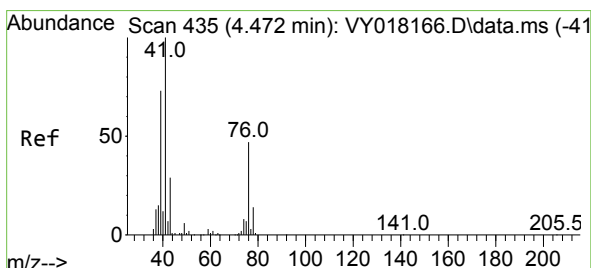
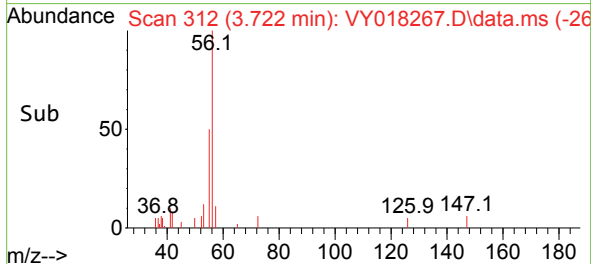
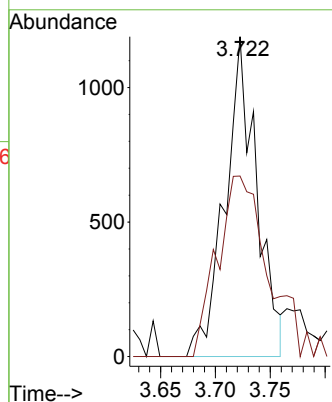
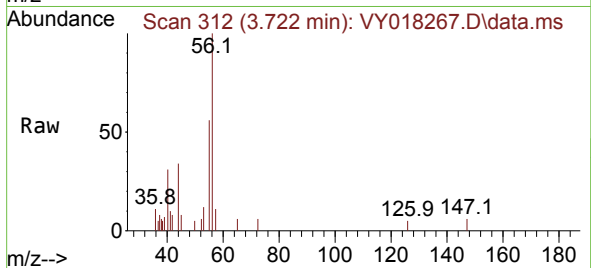




#13
Acrolein
Concen: 16.150 ug/l
RT: 3.722 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

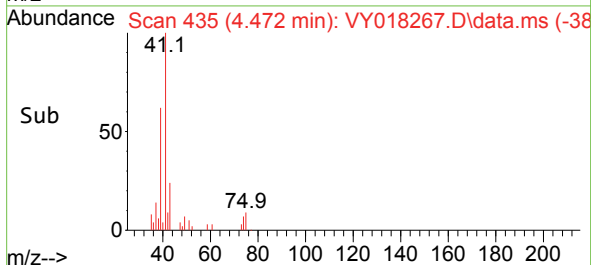
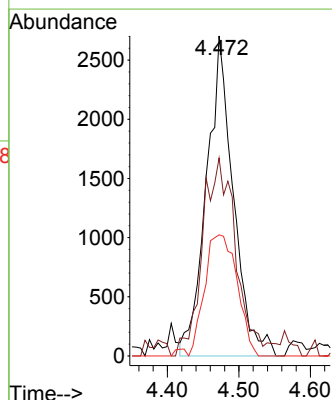
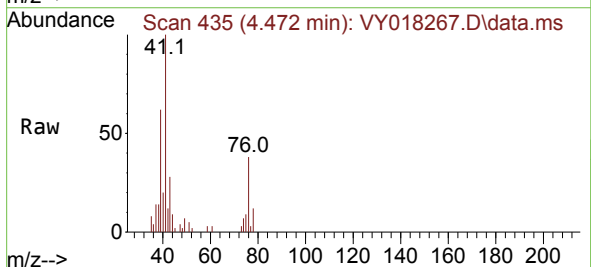
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

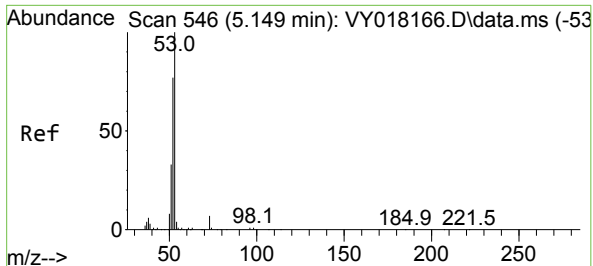
Tgt Ion: 56 Resp: 2380
Ion Ratio Lower Upper
56 100
55 90.1 55.7 83.5#



#14
Allyl chloride
Concen: 3.091 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 41 Resp: 7066
Ion Ratio Lower Upper
41 100
39 77.0 58.3 87.5
76 45.7 39.0 58.6





#15

Acrylonitrile

Concen: 14.717 ug/l

RT: 5.161 min Scan# 546

Delta R.T. 0.012 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

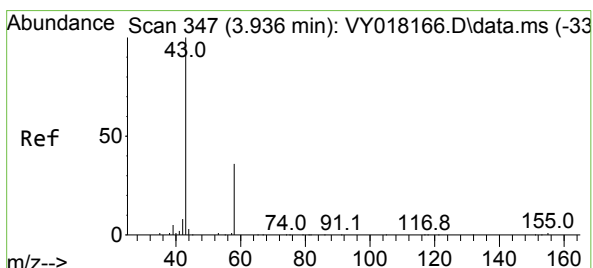
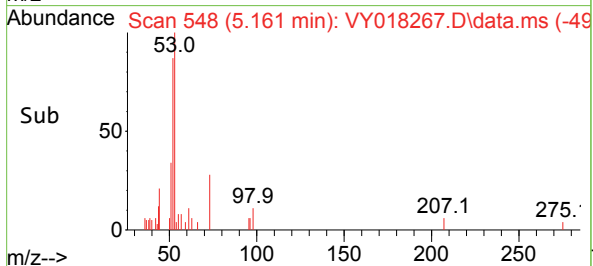
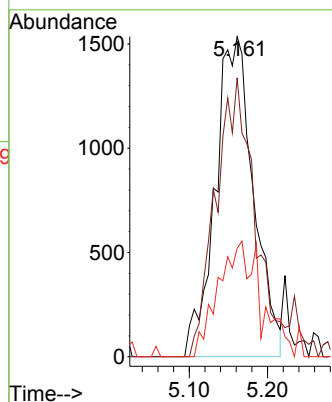
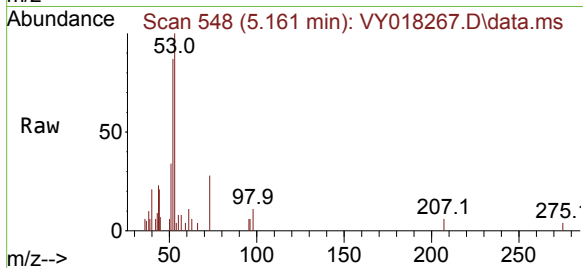
Tgt Ion: 53 Resp: 5219

Ion Ratio Lower Upper

53 100

52 87.8 64.7 97.1

51 40.1 28.4 42.6



#16

Acetone

Concen: 17.205 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY018267.D

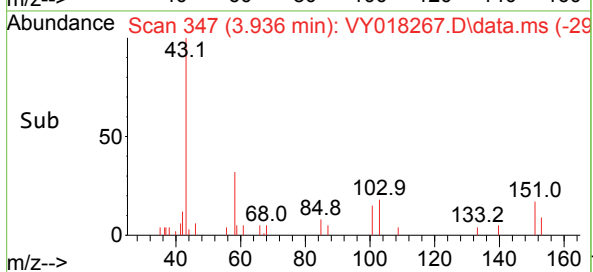
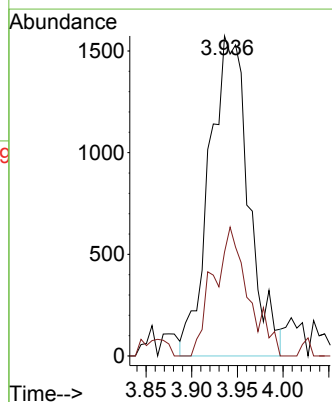
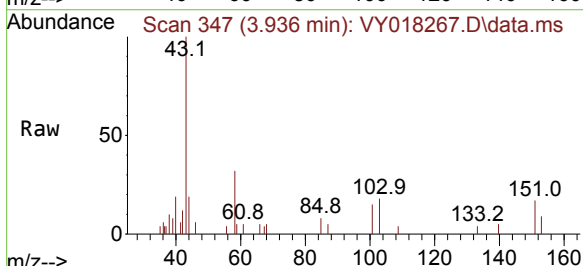
Acq: 15 May 2024 11:20

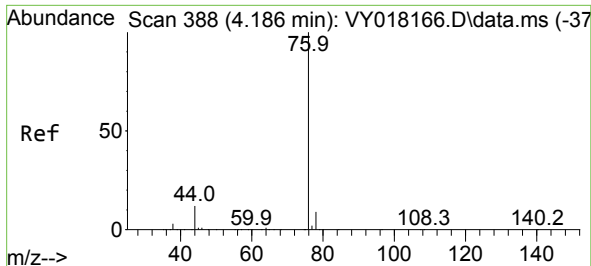
Tgt Ion: 43 Resp: 4694

Ion Ratio Lower Upper

43 100

58 34.0 31.7 47.5

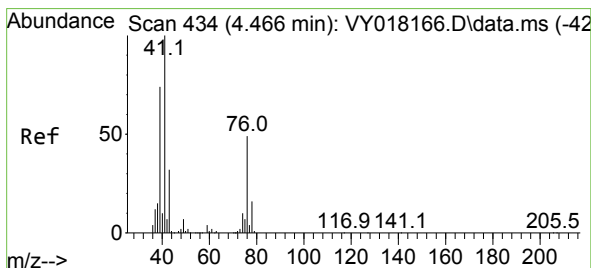
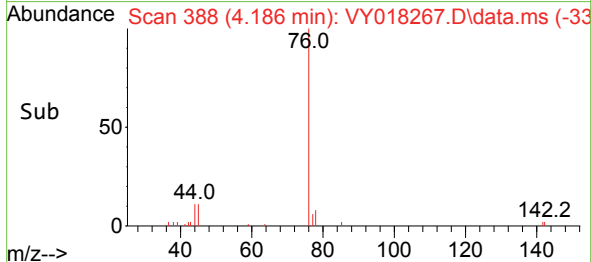
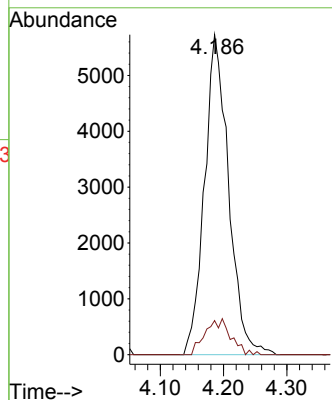
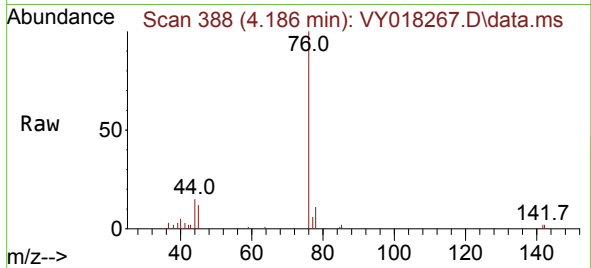




#17
Carbon Disulfide
Concen: 3.107 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

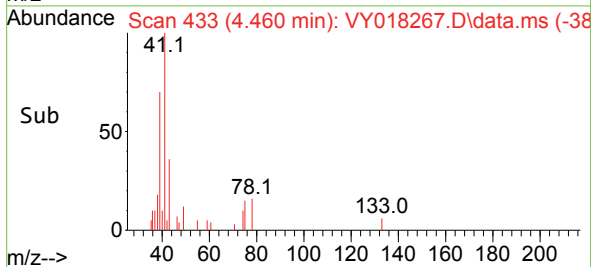
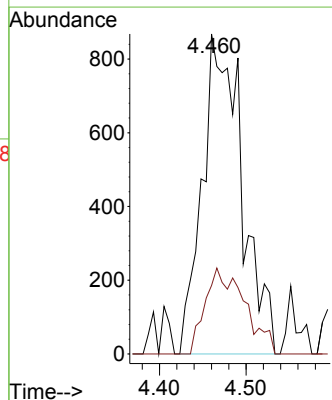
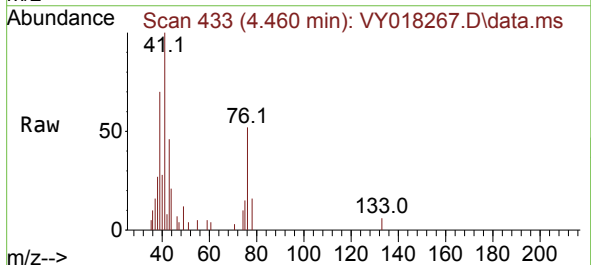
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

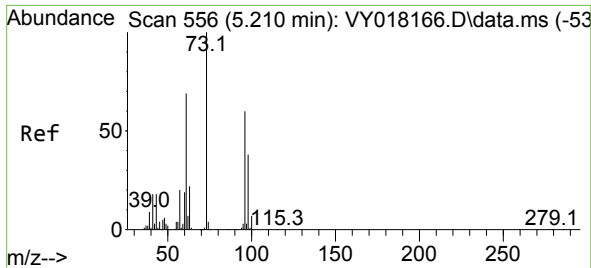
Tgt Ion: 76 Resp: 15201
Ion Ratio Lower Upper
76 100
78 10.6 6.8 10.2#



#18
Methyl Acetate
Concen: 3.551 ug/l
RT: 4.460 min Scan# 433
Delta R.T. -0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 43 Resp: 2760
Ion Ratio Lower Upper
43 100
74 26.7 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 2.768 ug/l

RT: 5.216 min Scan# 5

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

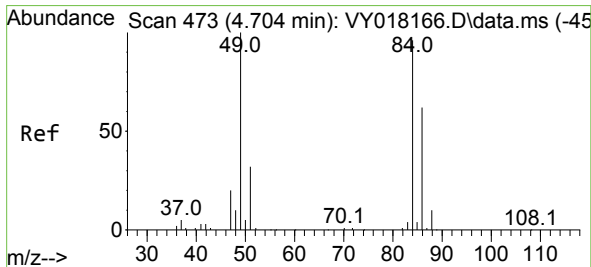
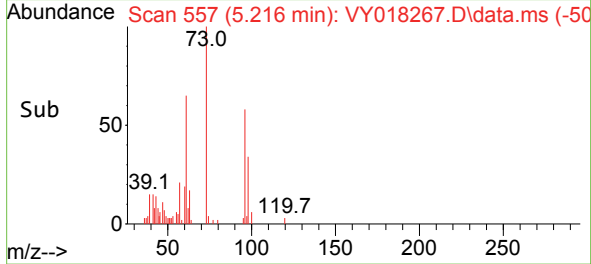
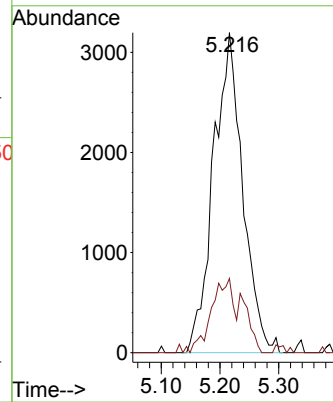
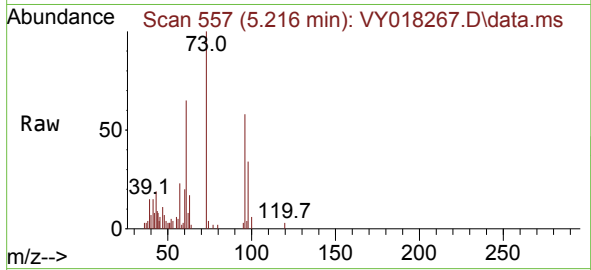
MDL-SOIL-03-QT2-2024

Tgt Ion: 73 Resp: 11081

Ion Ratio Lower Upper

73 100

57 23.2 17.3 25.9



#20

Methylene Chloride

Concen: 6.146 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.000 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Tgt Ion: 84 Resp: 11851

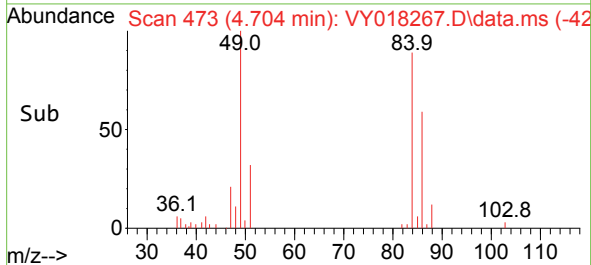
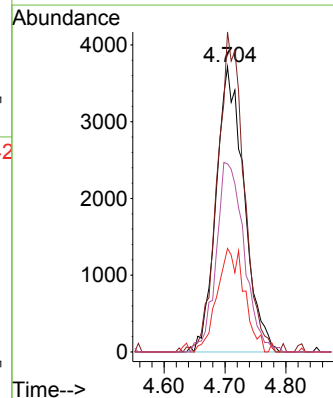
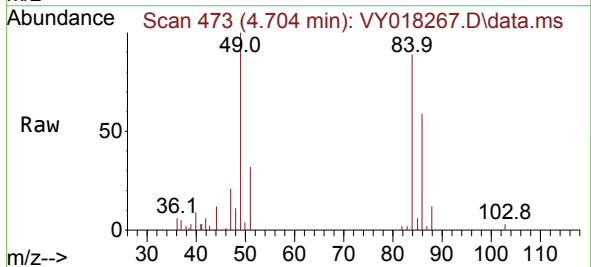
Ion Ratio Lower Upper

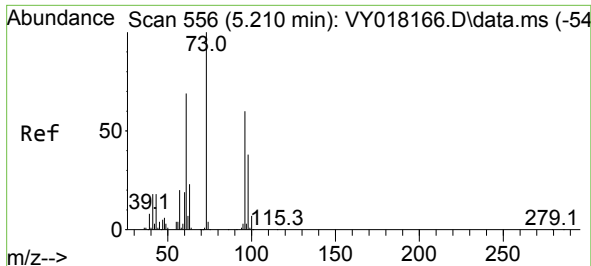
84 100

49 112.2 84.4 126.6

51 36.3 26.0 39.0

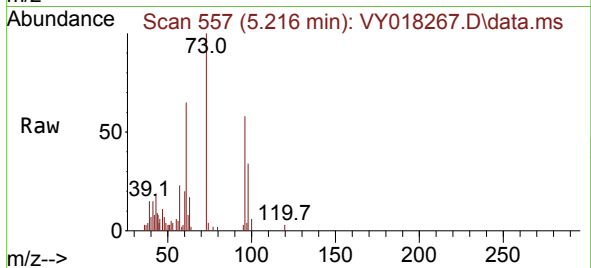
86 66.0 49.5 74.3



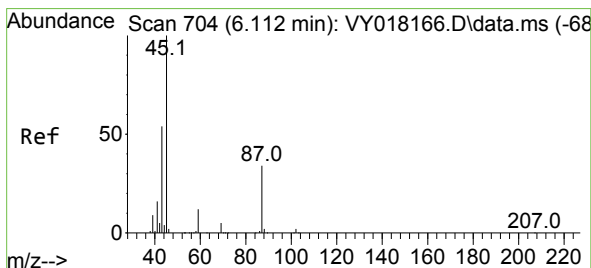
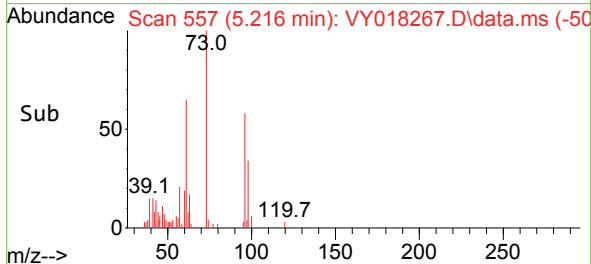
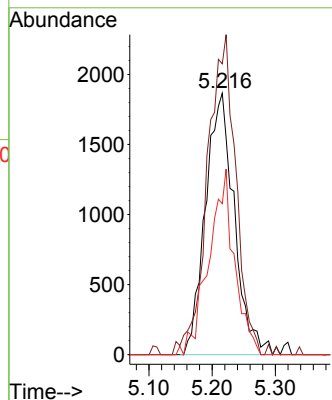


#21
trans-1,2-Dichloroethene
Concen: 3.112 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

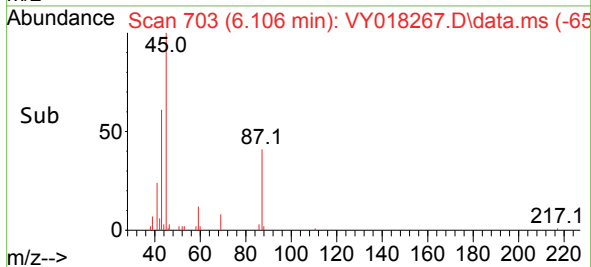
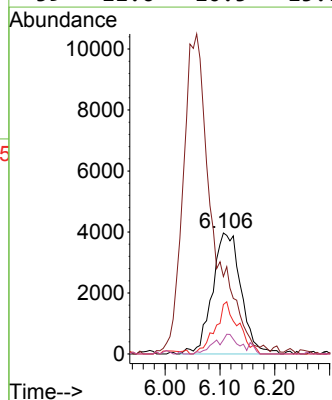
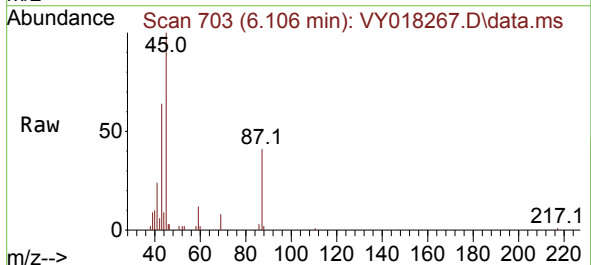


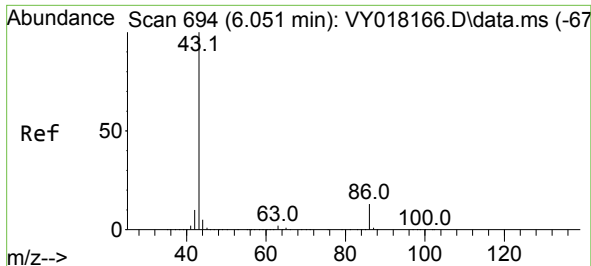
Tgt Ion: 96 Resp: 5929
Ion Ratio Lower Upper
96 100
61 111.3 97.5 146.3
98 57.8 50.5 75.7



#22
Diisopropyl ether
Concen: 2.967 ug/l
RT: 6.106 min Scan# 703
Delta R.T. -0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 45 Resp: 14389
Ion Ratio Lower Upper
45 100
43 55.3 42.2 63.2
87 40.9 25.0 37.6#
59 11.6 10.5 15.7

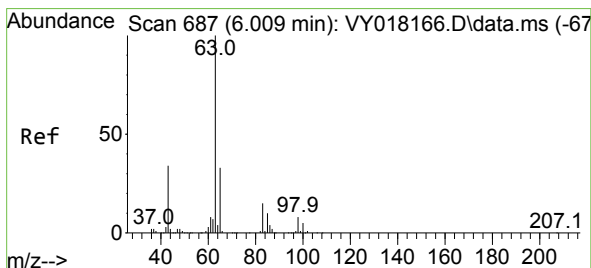
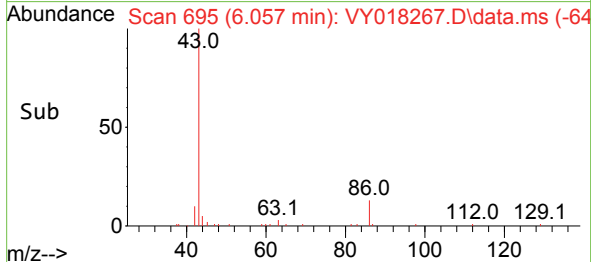
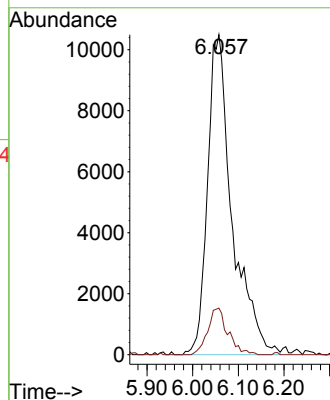
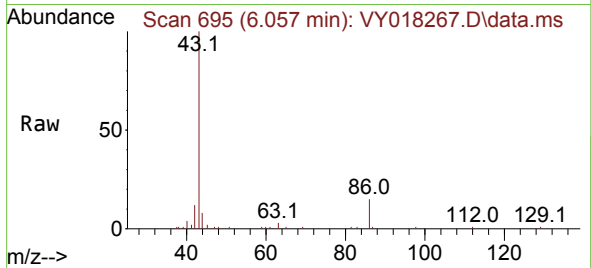




#23
 Vinyl Acetate
 Concen: 13.339 ug/l
 RT: 6.057 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VY018267.D
 Acq: 15 May 2024 11:20

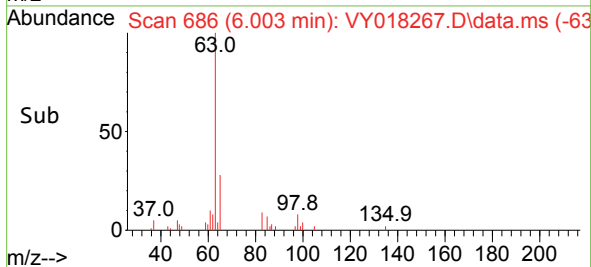
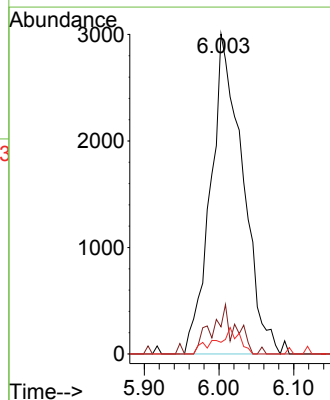
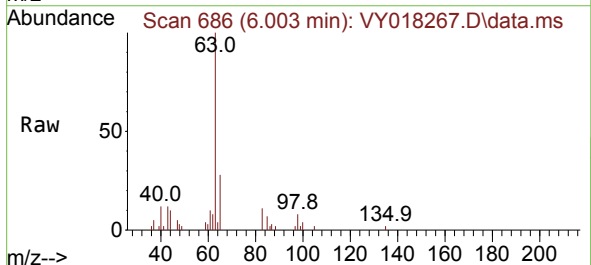
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

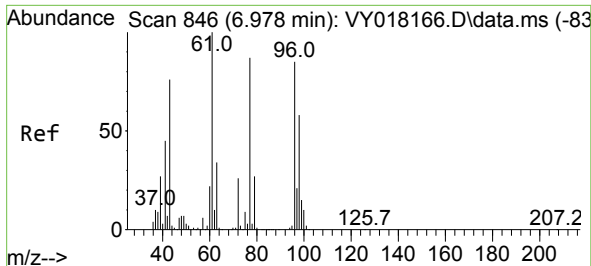
Tgt Ion: 43 Resp: 39319
 Ion Ratio Lower Upper
 43 100
 86 14.5 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 2.991 ug/l
 RT: 6.003 min Scan# 686
 Delta R.T. -0.006 min
 Lab File: VY018267.D
 Acq: 15 May 2024 11:20

Tgt Ion: 63 Resp: 8936
 Ion Ratio Lower Upper
 63 100
 98 8.5 4.0 12.2
 100 3.7 2.6 8.0

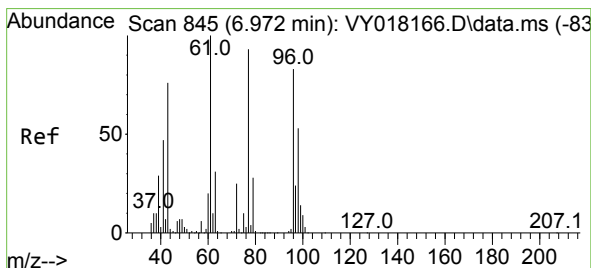
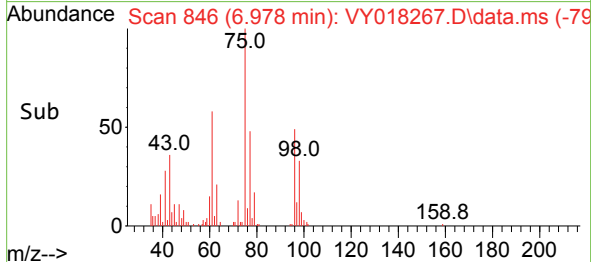
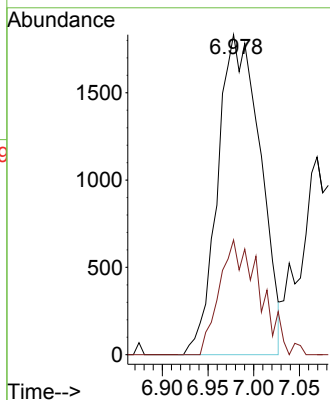
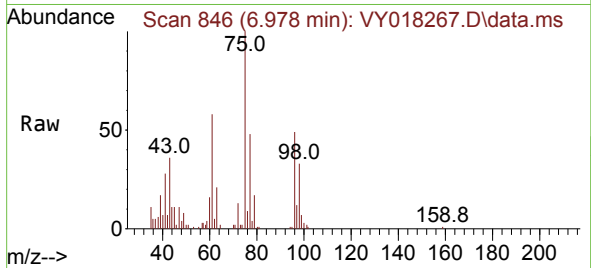




#25
2-Butanone
Concen: 13.625 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

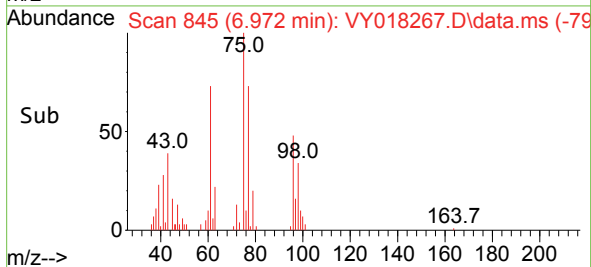
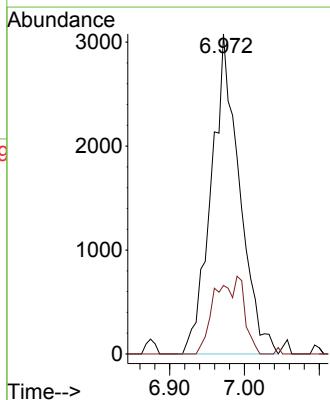
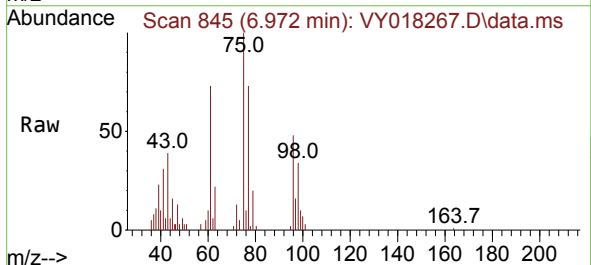
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

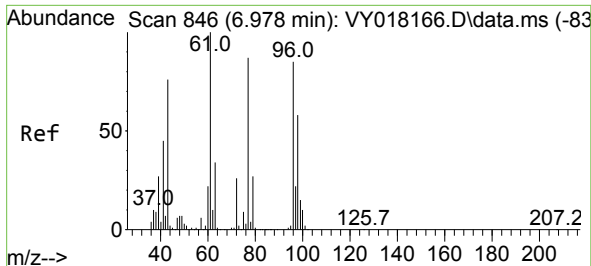
Tgt Ion: 43 Resp: 5942
Ion Ratio Lower Upper
43 100
72 35.8 27.3 40.9



#26
2,2-Dichloropropane
Concen: 2.990 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 77 Resp: 8083
Ion Ratio Lower Upper
77 100
97 16.6 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 3.045 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

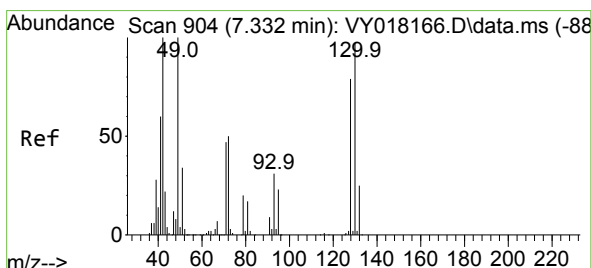
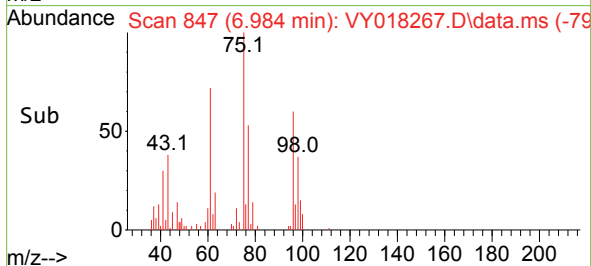
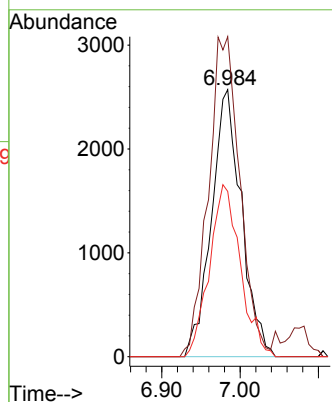
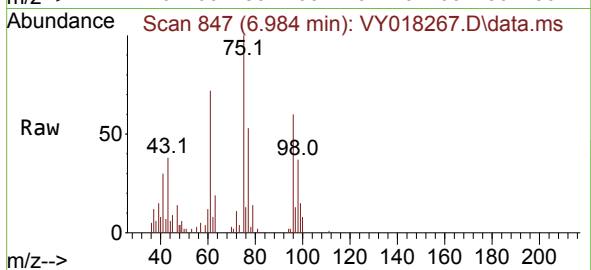
Tgt Ion: 96 Resp: 6855

Ion Ratio Lower Upper

96 100

61 126.1 0.0 256.2

98 66.2 0.0 130.0



#28

Bromochloromethane

Concen: 3.221 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.000 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

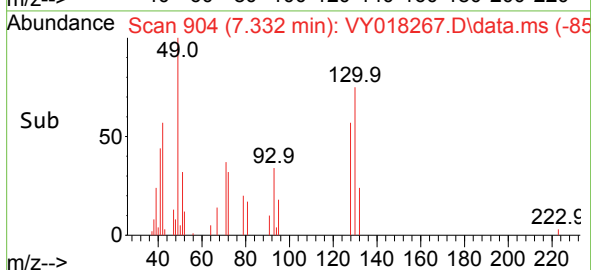
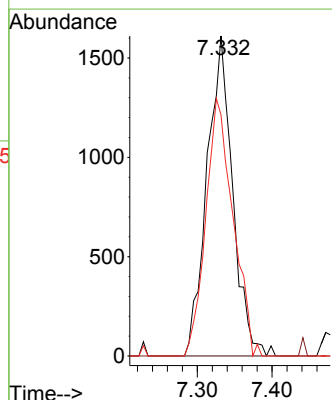
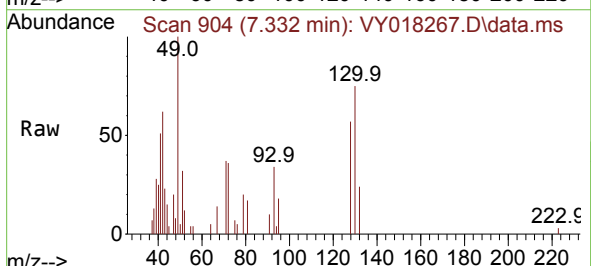
Tgt Ion: 49 Resp: 3846

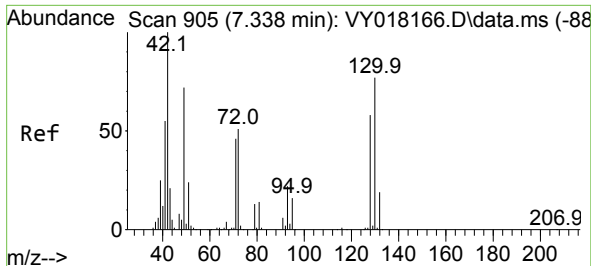
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 85.5 72.7 109.1





#29

Tetrahydrofuran

Concen: 14.350 ug/l

RT: 7.350 min Scan# 905

Delta R.T. 0.012 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

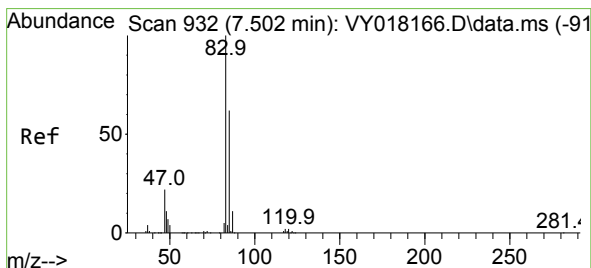
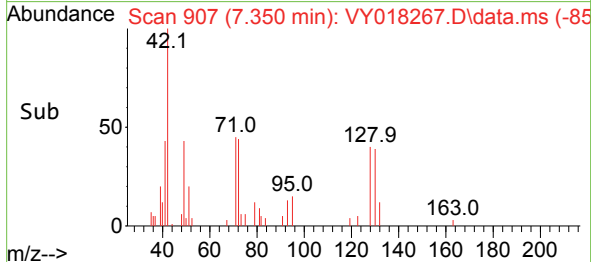
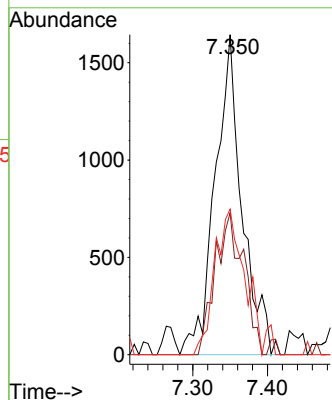
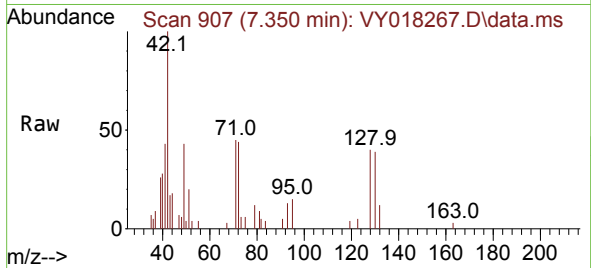
Tgt Ion: 42 Resp: 4131

Ion Ratio Lower Upper

42 100

72 46.7 43.0 64.4

71 49.6 40.8 61.2



#30

Chloroform

Concen: 3.025 ug/l

RT: 7.496 min Scan# 931

Delta R.T. -0.006 min

Lab File: VY018267.D

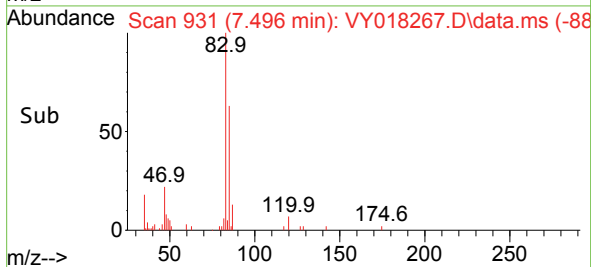
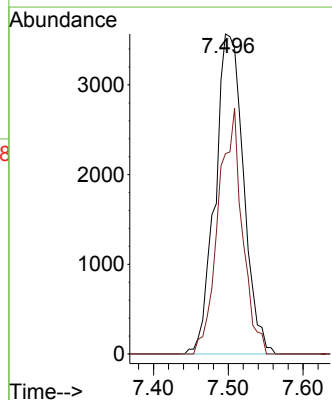
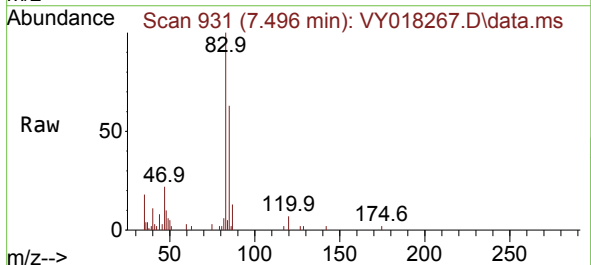
Acq: 15 May 2024 11:20

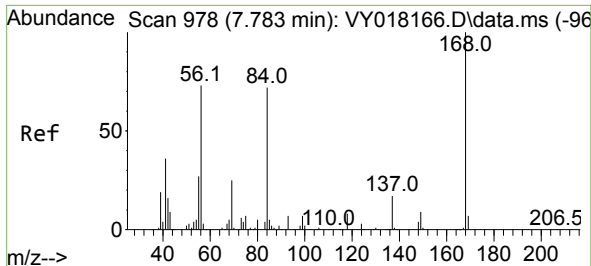
Tgt Ion: 83 Resp: 9433

Ion Ratio Lower Upper

83 100

85 62.6 52.2 78.4

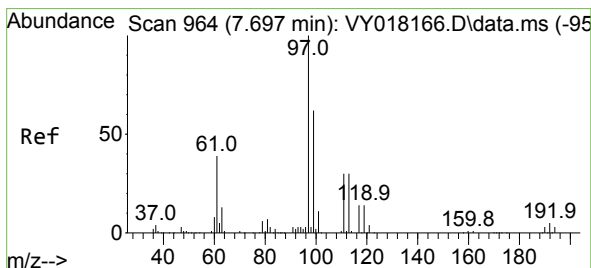
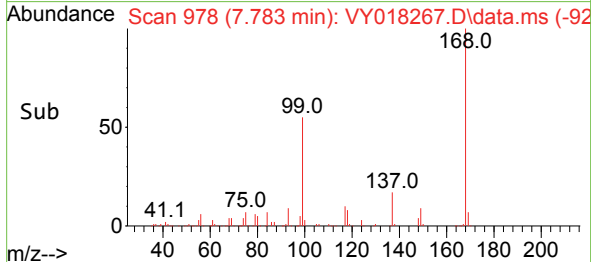
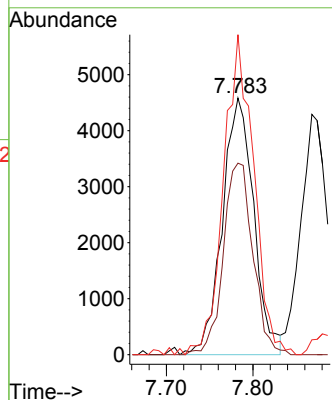
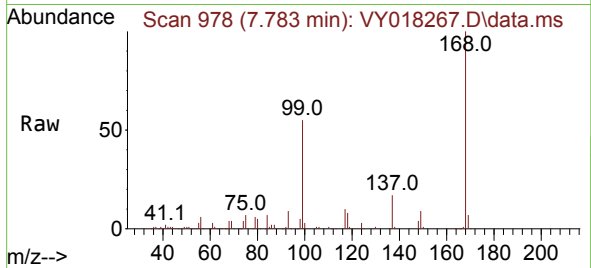




#31
Cyclohexane
Concen: 4.080 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

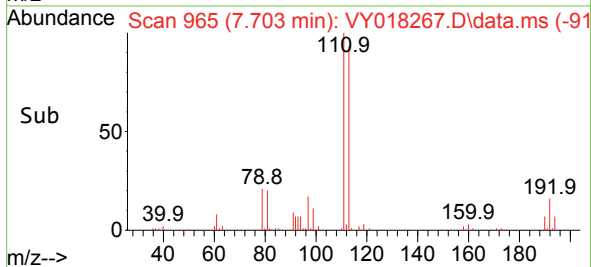
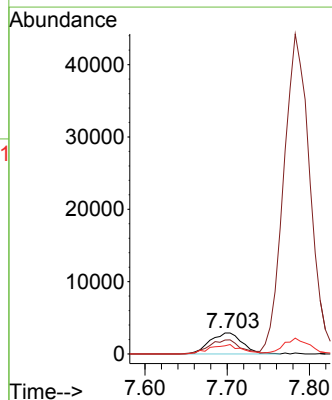
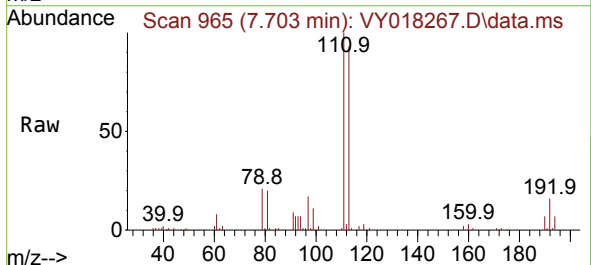
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

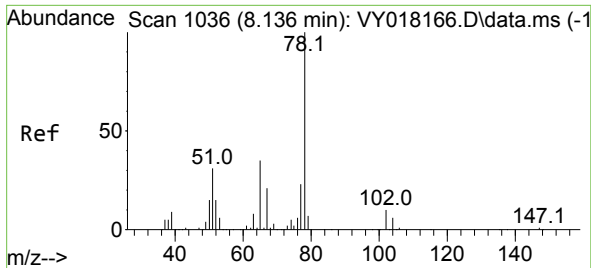
Tgt Ion: 56 Resp: 11571
Ion Ratio Lower Upper
56 100
69 74.6 28.7 43.1#
84 122.3 77.7 116.5#



#32
1,1,1-Trichloroethane
Concen: 2.826 ug/l
RT: 7.703 min Scan# 965
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 97 Resp: 7900
Ion Ratio Lower Upper
97 100
99 63.9 50.3 75.5
61 44.0 32.6 48.8

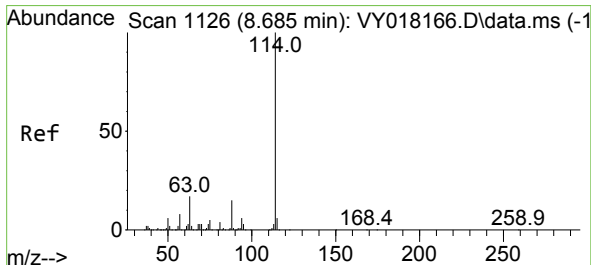
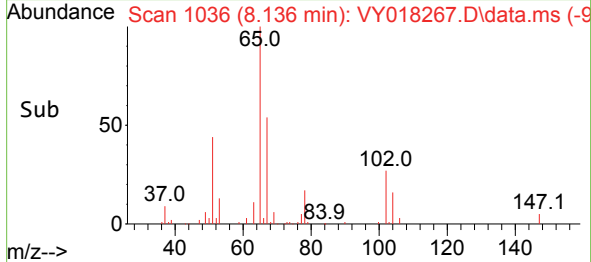
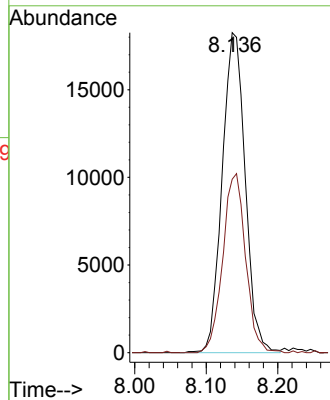
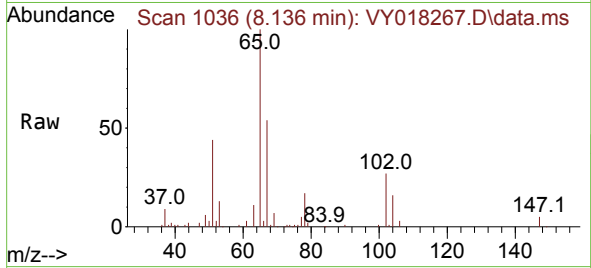




#33
 1,2-Dichloroethane-d4
 Concen: 29.885 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY018267.D
 Acq: 15 May 2024 11:20

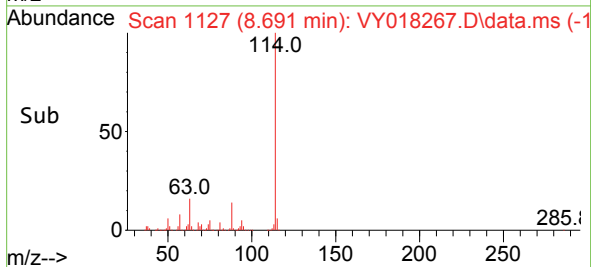
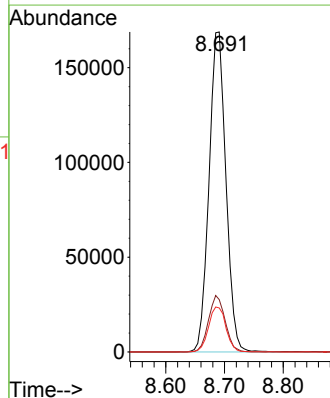
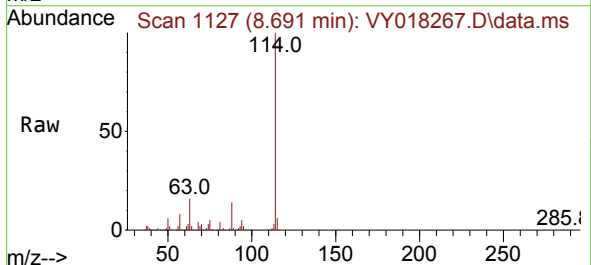
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

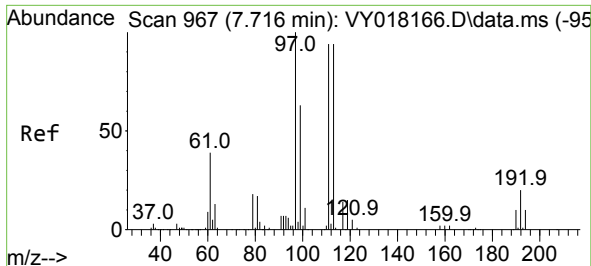
Tgt Ion: 65 Resp: 40856
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY018267.D
 Acq: 15 May 2024 11:20

Tgt Ion:114 Resp: 337173
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 35.0
 88 13.8 0.0 27.2

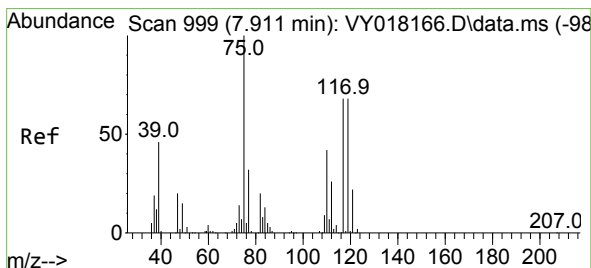
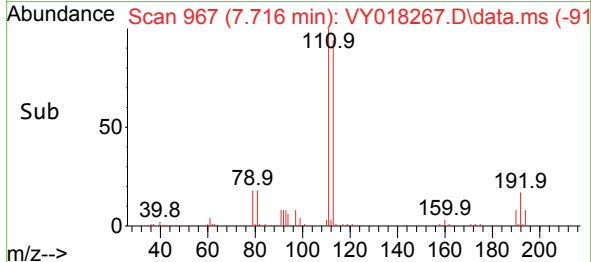
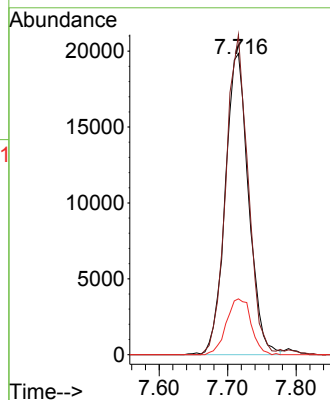
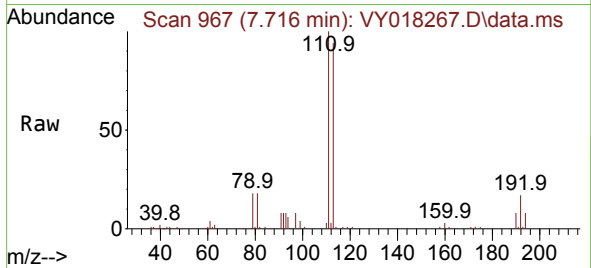




#35
Dibromofluoromethane
Concen: 26.528 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

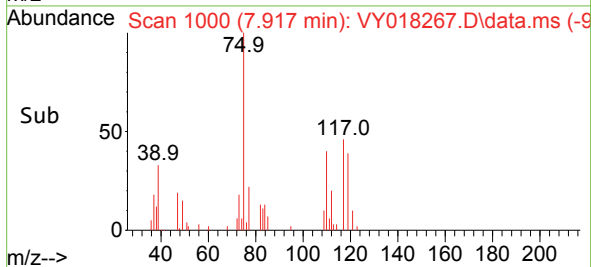
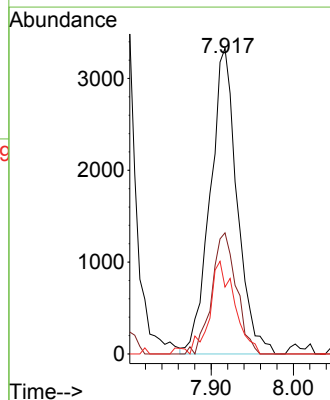
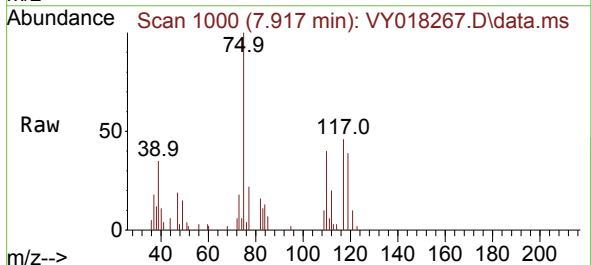
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

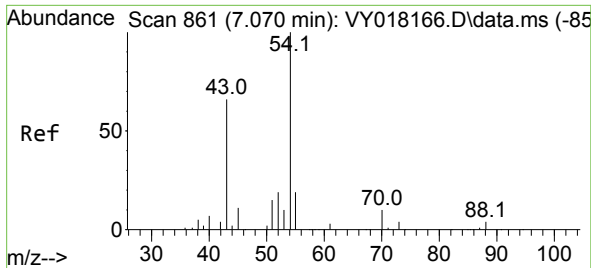
Tgt Ion:113 Resp: 47007
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 19.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 2.984 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 75 Resp: 7579
Ion Ratio Lower Upper
75 100
110 36.4 19.0 57.0
77 28.6 25.3 37.9

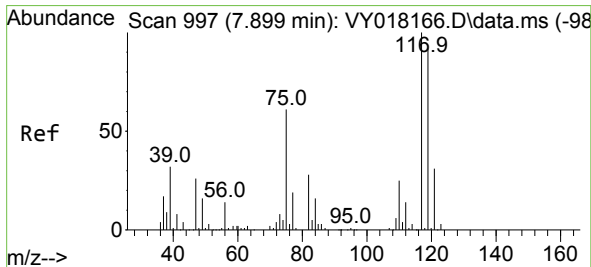
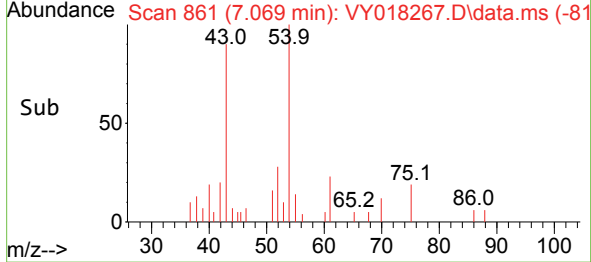
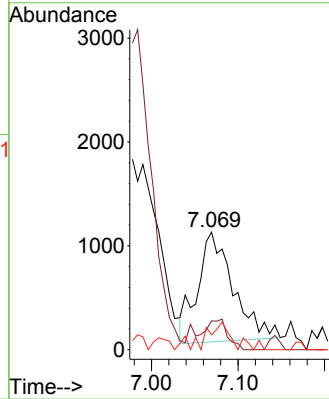
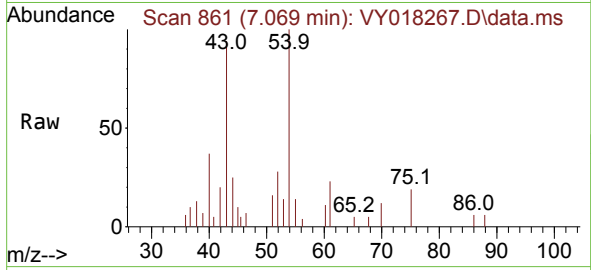




#37
Ethyl Acetate
Concen: 2.849 ug/l
RT: 7.069 min Scan# 861
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

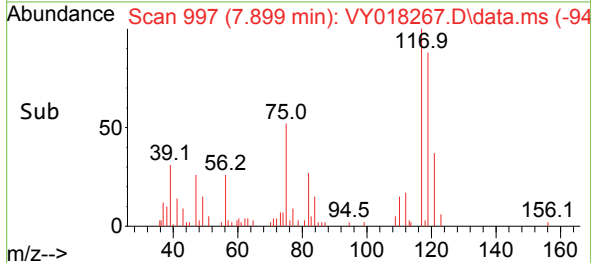
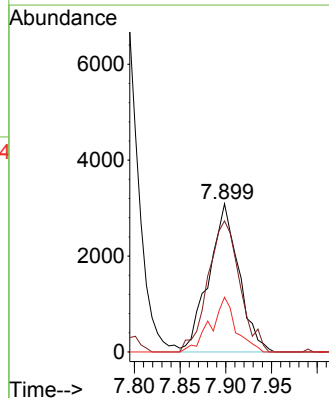
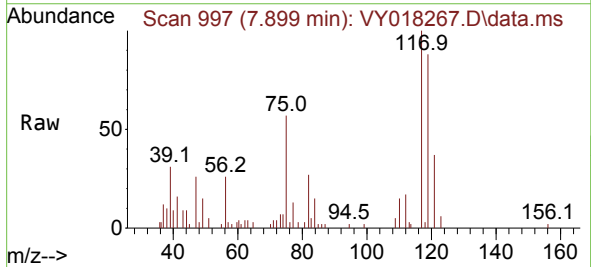
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

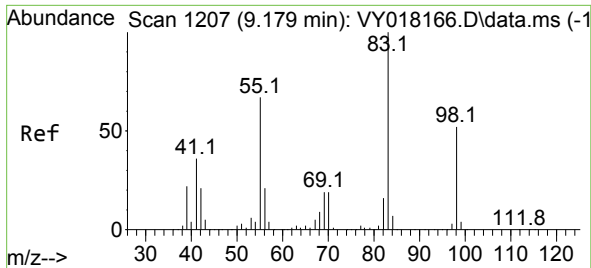
Tgt Ion:	43	Resp:	3046
Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.6	19.0
70	14.5	7.8	11.8



#38
Carbon Tetrachloride
Concen: 2.542 ug/l
RT: 7.899 min Scan# 997
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion:	117	Resp:	7055
Ion	Ratio	Lower	Upper
117	100		
119	88.5	75.8	113.6
121	37.0	24.0	36.0

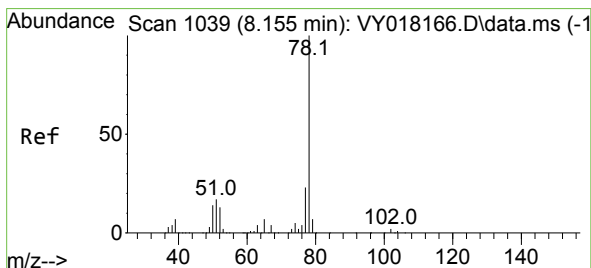
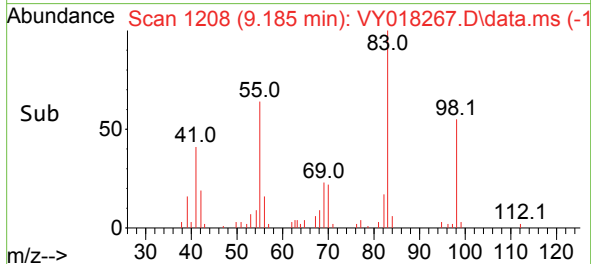
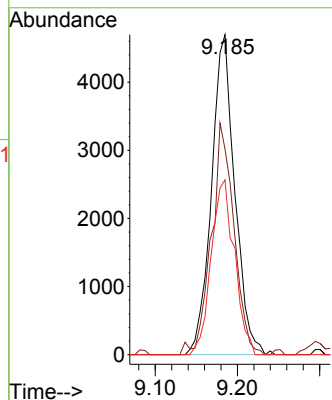
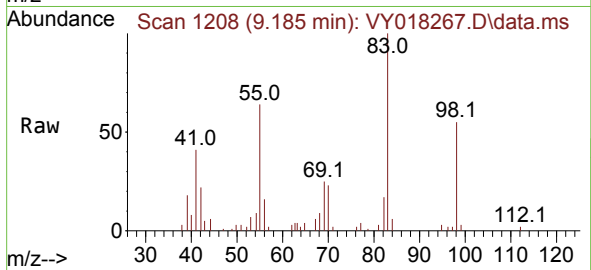




#39
Methylcyclohexane
Concen: 2.528 ug/l
RT: 9.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

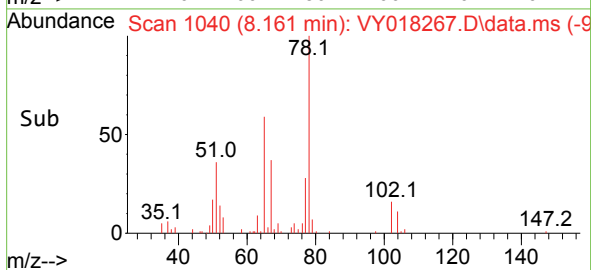
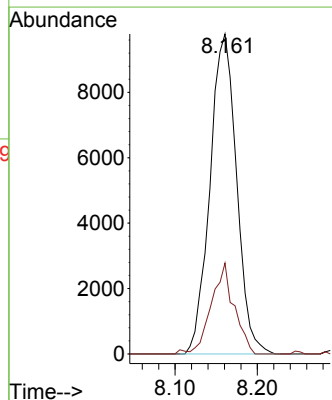
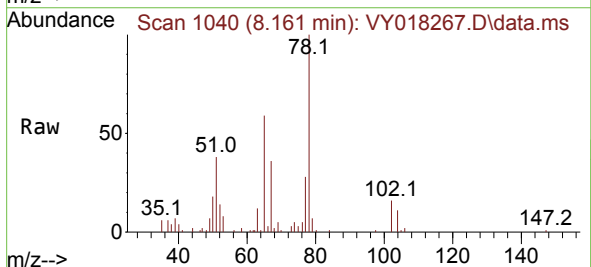
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

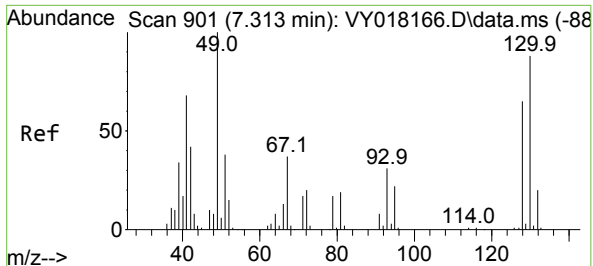
Tgt Ion: 83 Resp: 9264
Ion Ratio Lower Upper
83 100
55 64.2 51.5 77.3
98 54.7 40.5 60.7



#40
Benzene
Concen: 2.693 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 78 Resp: 22003
Ion Ratio Lower Upper
78 100
77 28.4 19.5 29.3

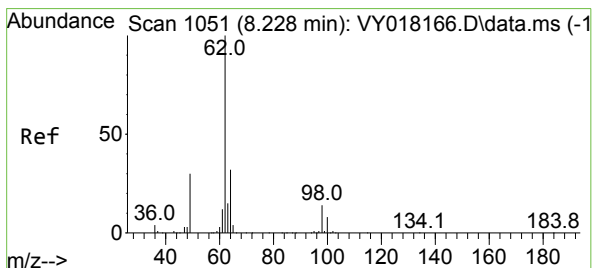
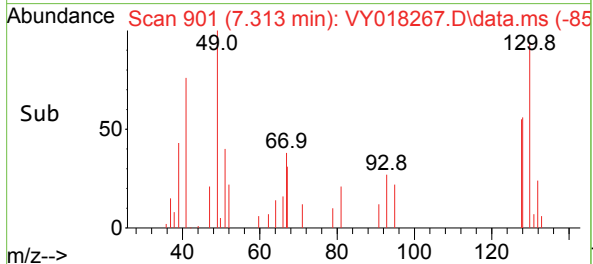
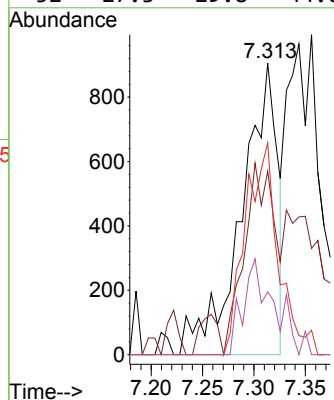
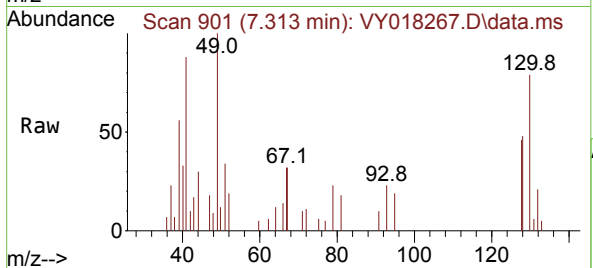




#41
Methacrylonitrile
Concen: 3.563 ug/l
RT: 7.313 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

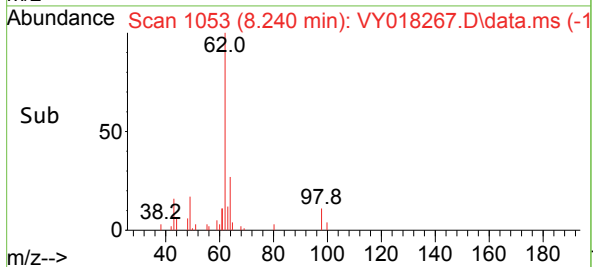
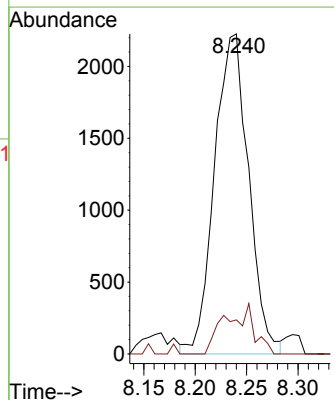
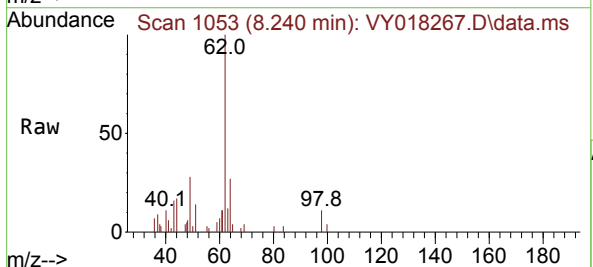
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

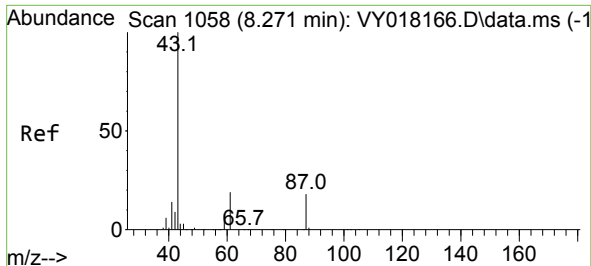
Tgt Ion: 41 Resp: 2200
Ion Ratio Lower Upper
41 100
39 55.7 48.0 72.0
67 67.2 75.1 112.7#
52 27.3 29.8 44.6#



#42
1,2-Dichloroethane
Concen: 2.892 ug/l
RT: 8.240 min Scan# 1053
Delta R.T. 0.012 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 62 Resp: 5141
Ion Ratio Lower Upper
62 100
98 5.7 0.0 22.0

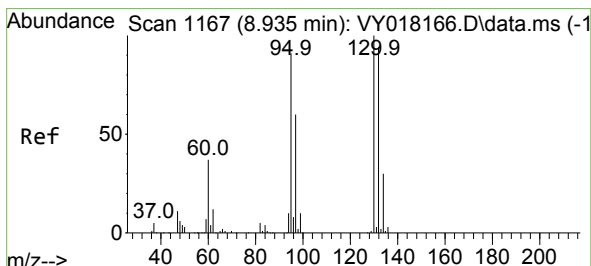
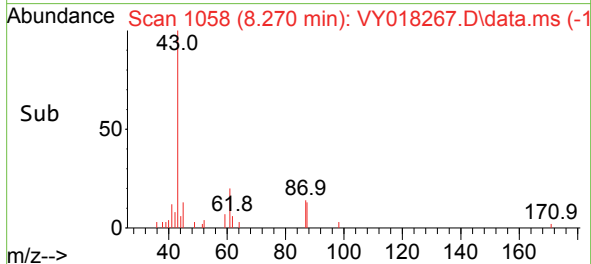
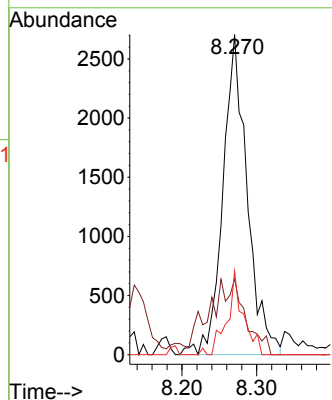
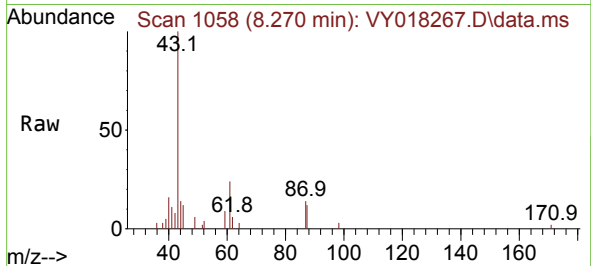




#43
Isopropyl Acetate
Concen: 2.792 ug/l
RT: 8.270 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

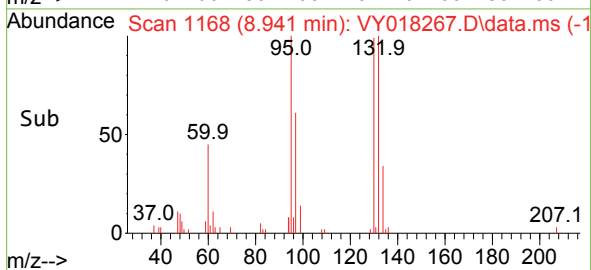
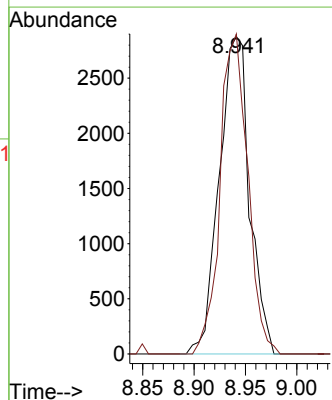
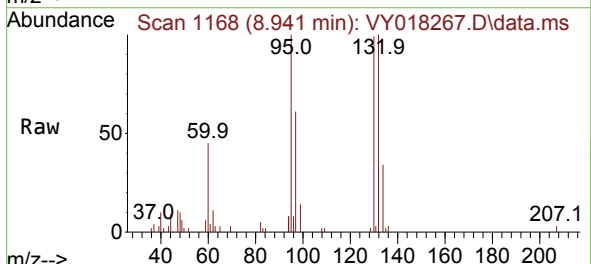
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

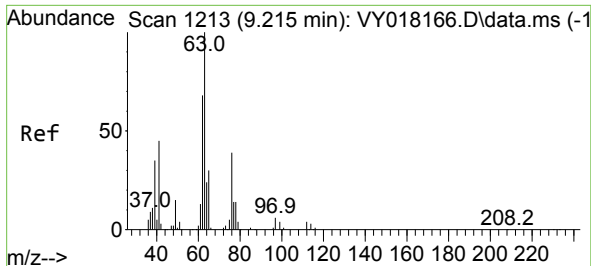
Tgt Ion:	43	Resp:	6118
Ion	Ratio	Lower	Upper
43	100		
61	35.3	27.9	41.9
87	17.5	13.1	19.7



#44
Trichloroethene
Concen: 2.658 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion:	130	Resp:	5913
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	188.0

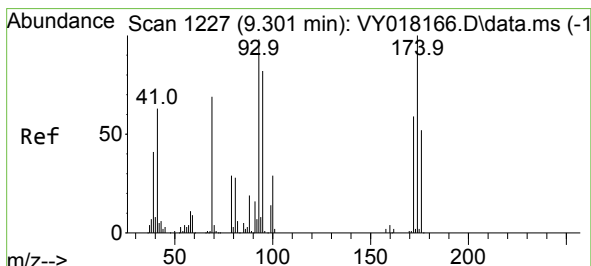
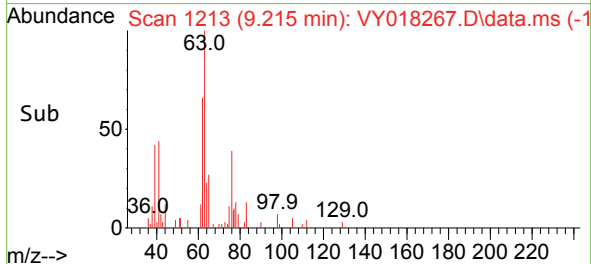
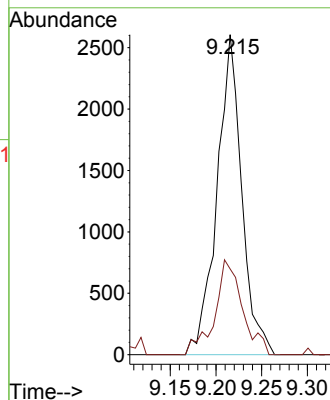
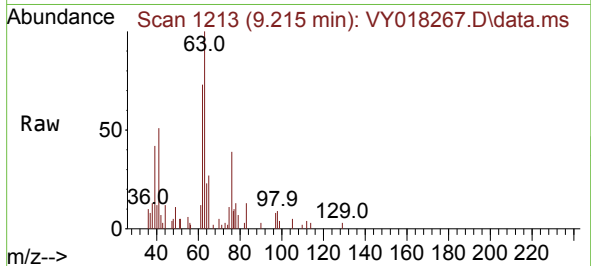




#45
1,2-Dichloropropane
Concen: 2.749 ug/l
RT: 9.215 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

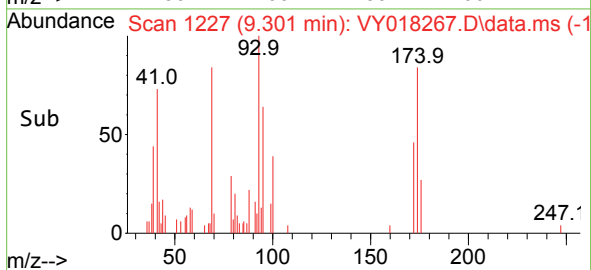
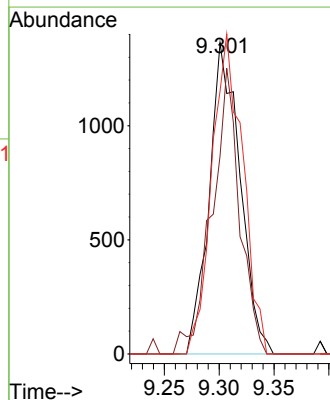
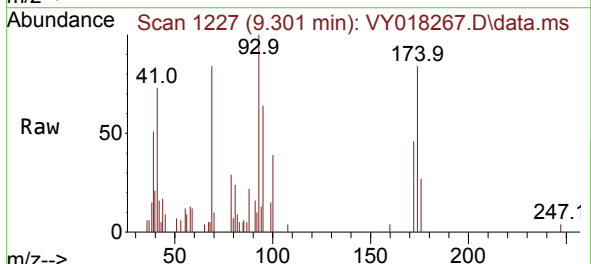
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

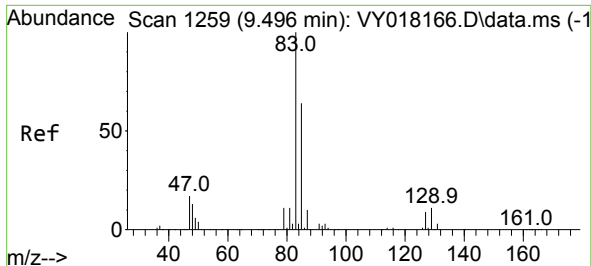
Tgt Ion: 63 Resp: 4911
Ion Ratio Lower Upper
63 100
65 26.8 25.4 38.2



#46
Dibromomethane
Concen: 2.593 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 93 Resp: 2663
Ion Ratio Lower Upper
93 100
95 82.8 66.2 99.4
174 102.9 80.9 121.3

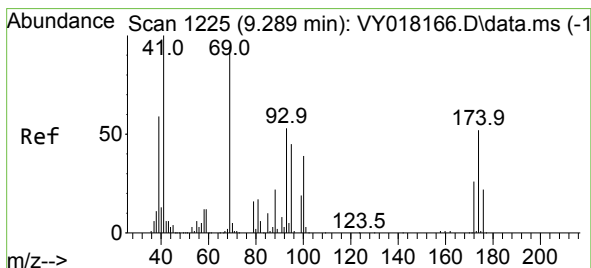
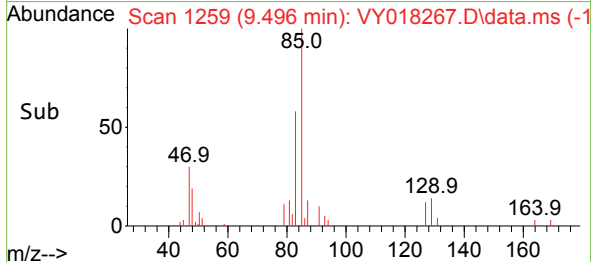
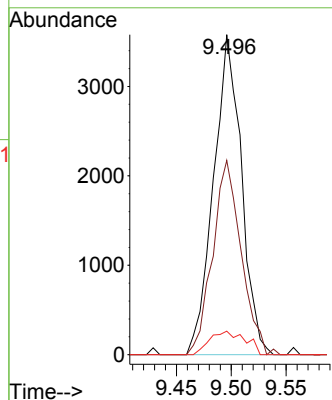
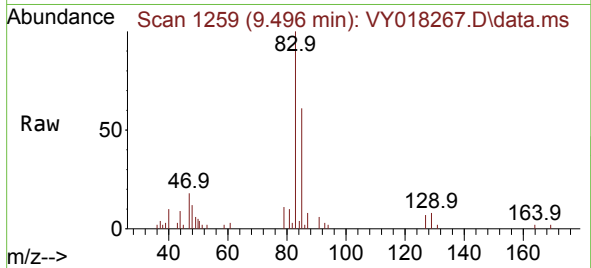




#47
Bromodichloromethane
Concen: 2.493 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

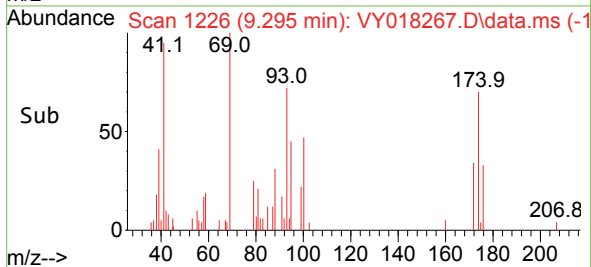
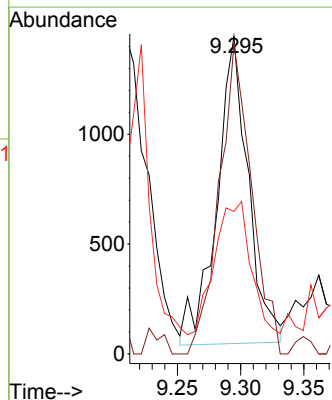
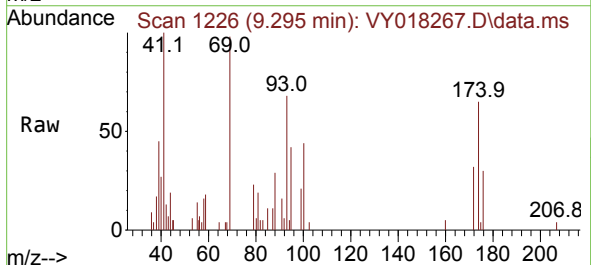
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

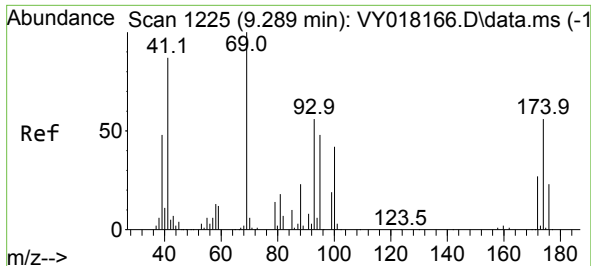
Tgt Ion: 83 Resp: 6330
Ion Ratio Lower Upper
83 100
85 60.7 50.1 75.1
127 7.3 7.4 11.0#



#48
Methyl methacrylate
Concen: 2.394 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 41 Resp: 2405
Ion Ratio Lower Upper
41 100
69 104.2 84.1 126.1
39 65.6 43.6 65.4#





#49

1,4-Dioxane

Concen: 70.423 ug/l

RT: 9.289 min Scan# 1225

Delta R.T. -0.000 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

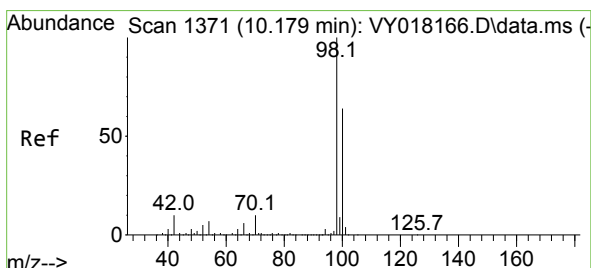
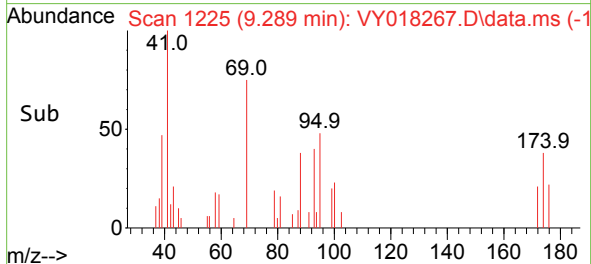
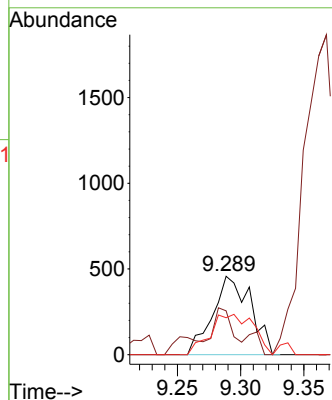
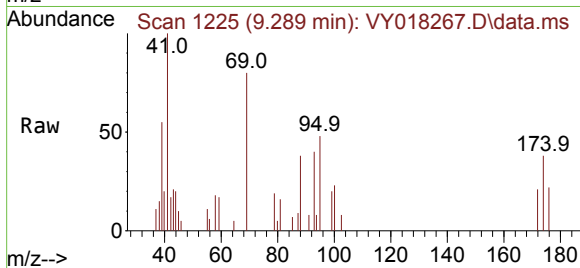
Tgt Ion: 88 Resp: 960

Ion Ratio Lower Upper

88 100

43 30.5 0.0 0.0#

58 58.6 49.3 73.9



#50

Toluene-d8

Concen: 27.385 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018267.D

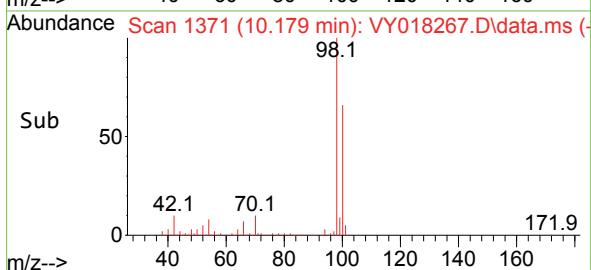
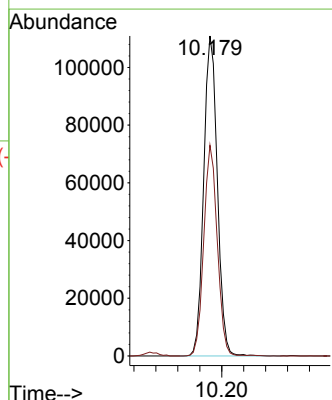
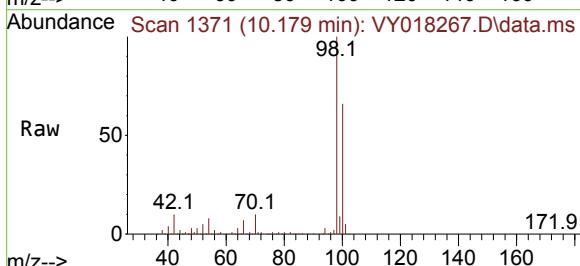
Acq: 15 May 2024 11:20

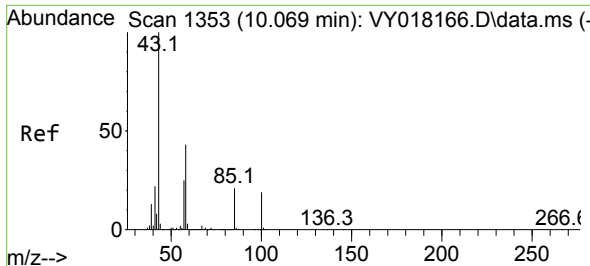
Tgt Ion: 98 Resp: 191225

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0

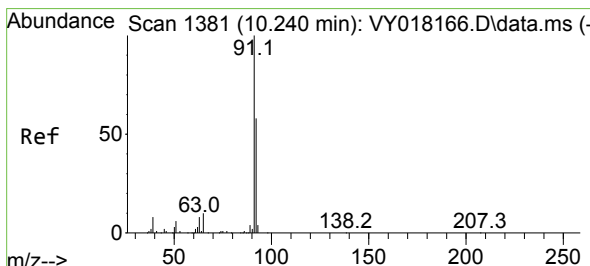
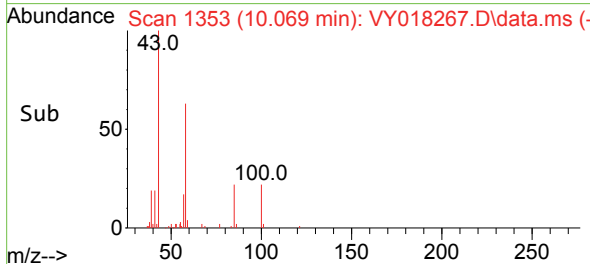
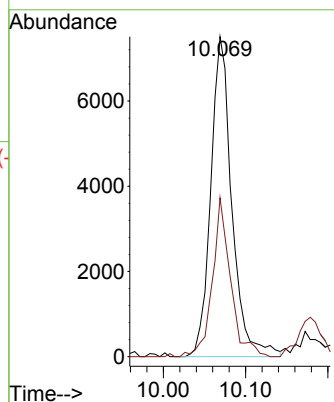
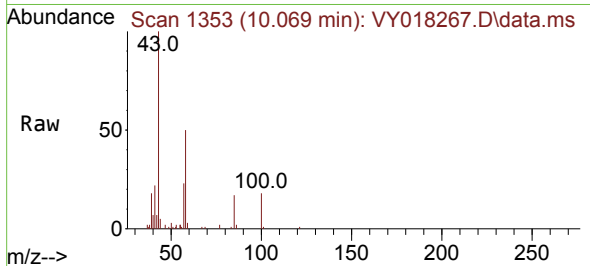




#51
4-Methyl-2-Pentanone
Concen: 12.176 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

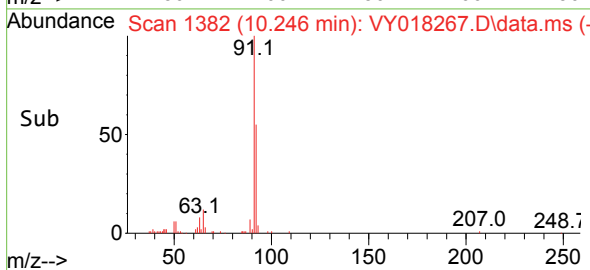
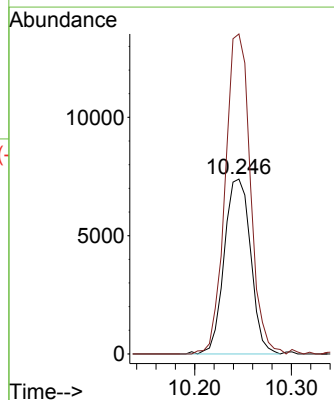
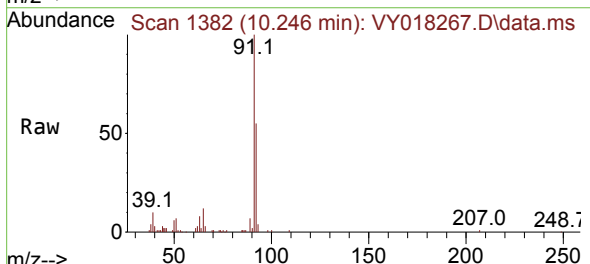
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

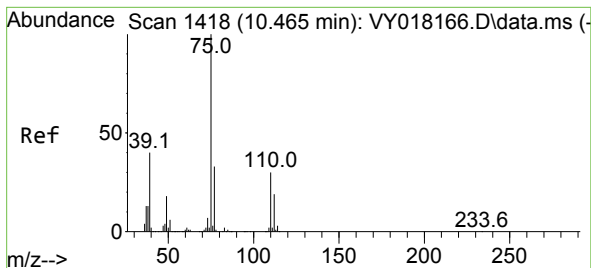
Tgt Ion: 43 Resp: 13412
Ion Ratio Lower Upper
43 100
58 42.7 35.7 53.5



#52
Toluene
Concen: 2.664 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 92 Resp: 14015
Ion Ratio Lower Upper
92 100
91 174.3 139.0 208.6

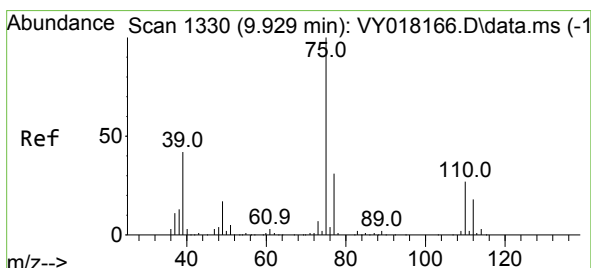
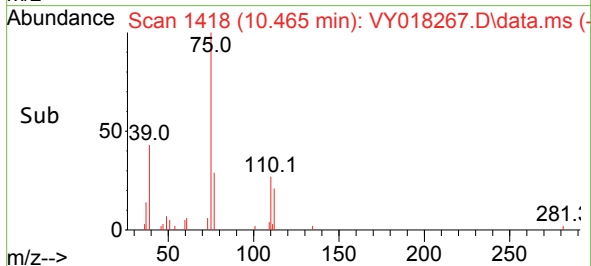
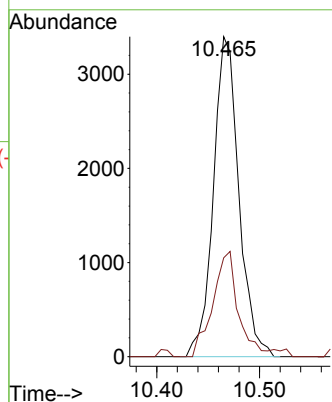
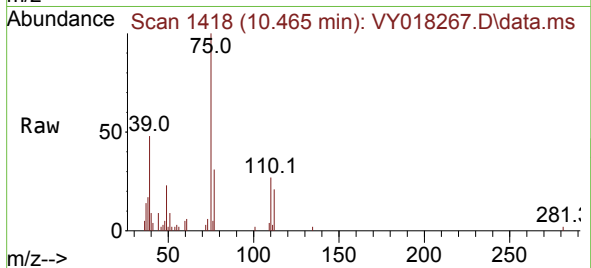




#53
t-1,3-Dichloropropene
Concen: 2.463 ug/l
RT: 10.465 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

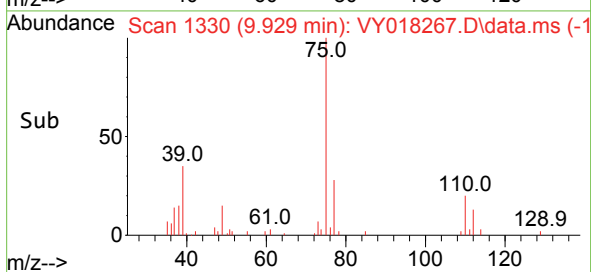
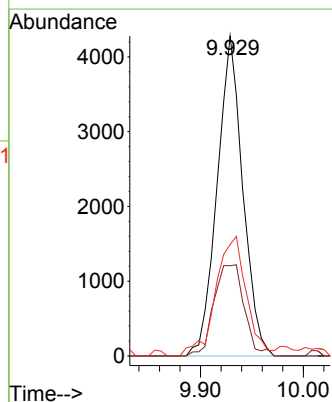
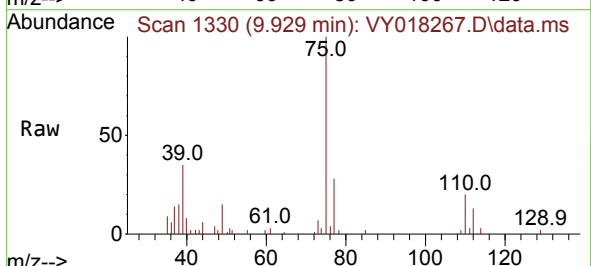
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

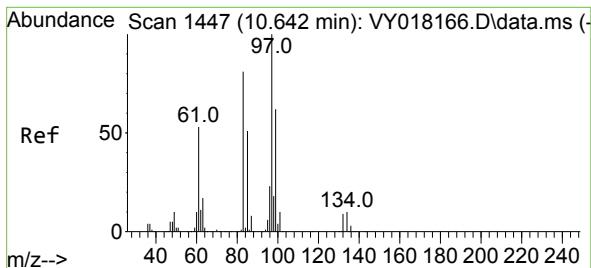
Tgt Ion: 75 Resp: 5840
Ion Ratio Lower Upper
75 100
77 30.9 24.1 36.1



#54
cis-1,3-Dichloropropene
Concen: 2.557 ug/l
RT: 9.929 min Scan# 1330
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 75 Resp: 7413
Ion Ratio Lower Upper
75 100
77 28.2 25.4 38.0
39 34.8 29.8 44.6





#55

1,1,2-Trichloroethane

Concen: 2.448 ug/l

RT: 10.654 min Scan# 1449

Delta R.T. 0.012 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 97 Resp: 3453

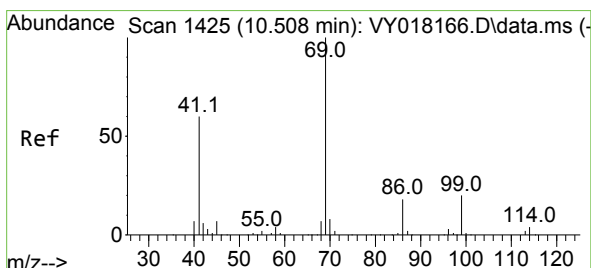
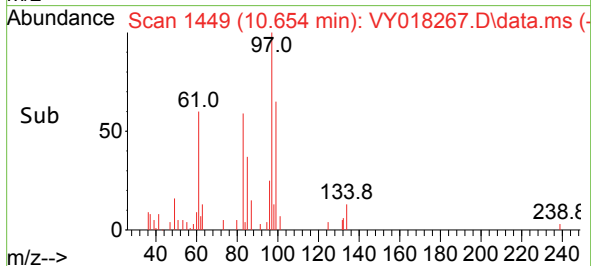
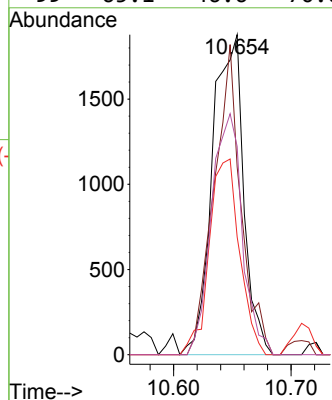
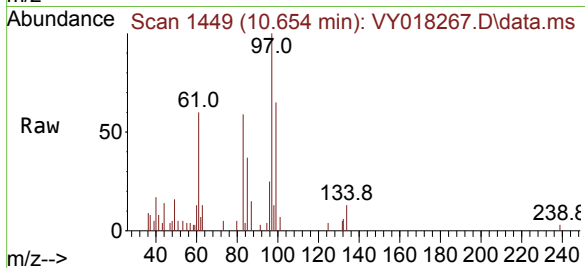
Ion Ratio Lower Upper

97 100

83 58.7 67.5 101.3#

85 36.8 42.9 64.3#

99 65.1 46.6 70.0



#56

Ethyl methacrylate

Concen: 2.196 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

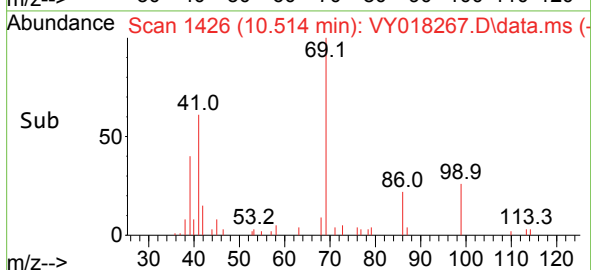
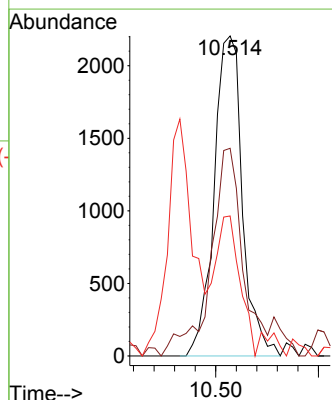
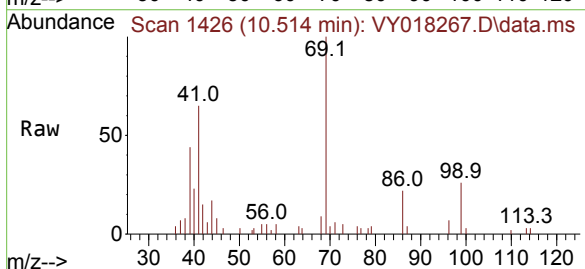
Tgt Ion: 69 Resp: 4207

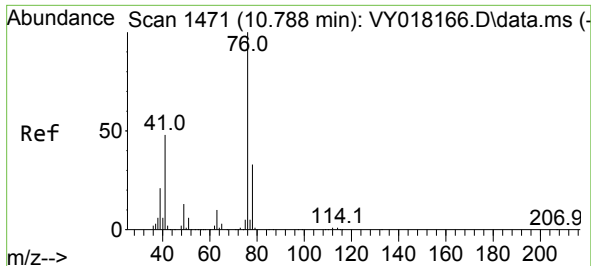
Ion Ratio Lower Upper

69 100

41 74.2 42.3 63.5#

39 39.1 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 2.614 ug/l

RT: 10.794 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

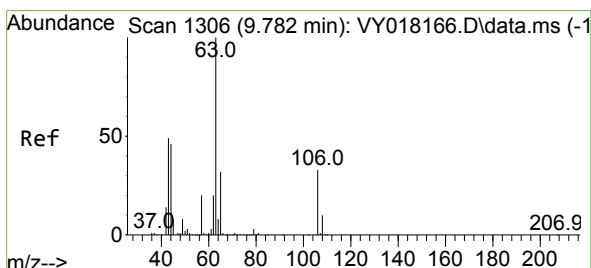
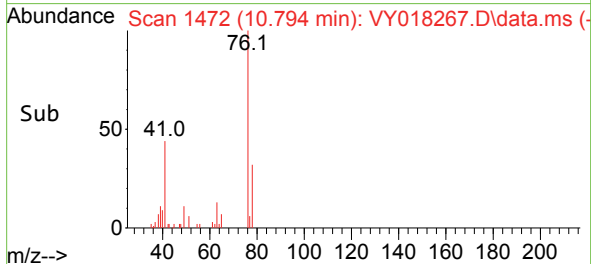
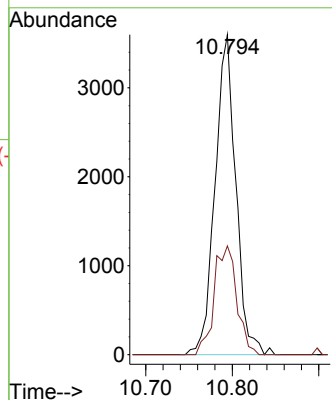
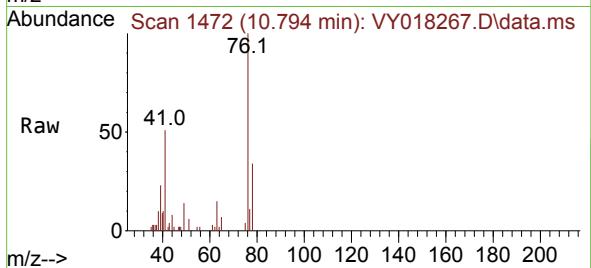
MDL-SOIL-03-QT2-2024

Tgt Ion: 76 Resp: 6001

Ion Ratio Lower Upper

76 100

78 37.0 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 11.419 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VY018267.D

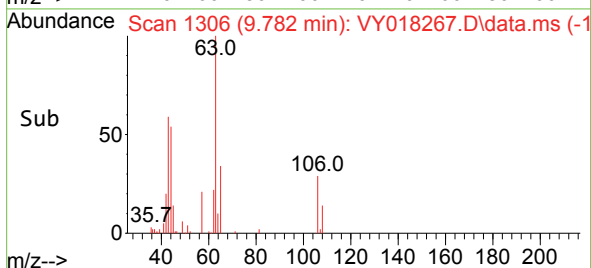
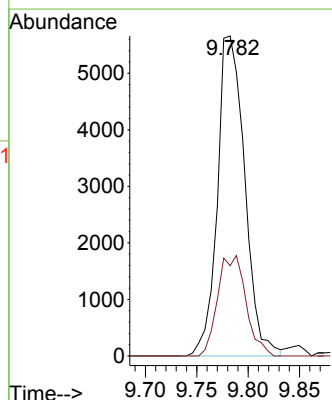
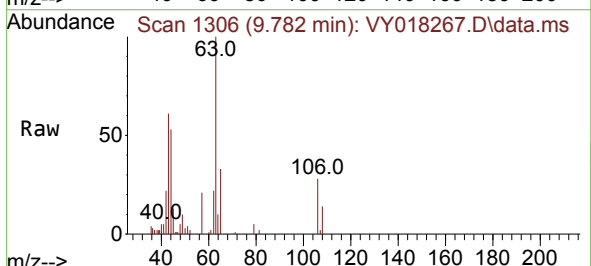
Acq: 15 May 2024 11:20

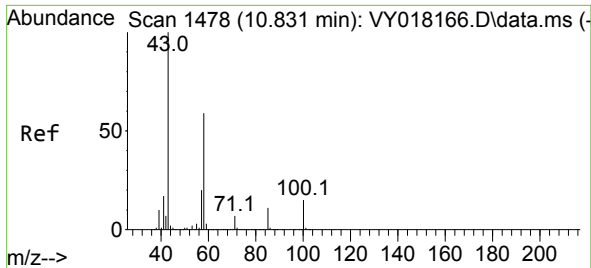
Tgt Ion: 63 Resp: 10447

Ion Ratio Lower Upper

63 100

106 32.5 23.7 35.5

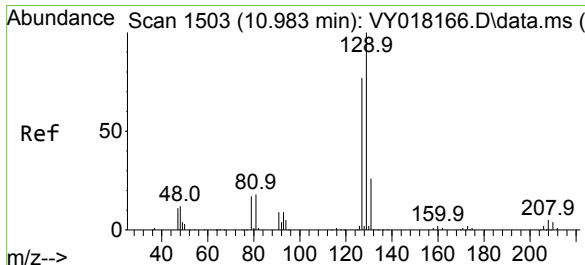
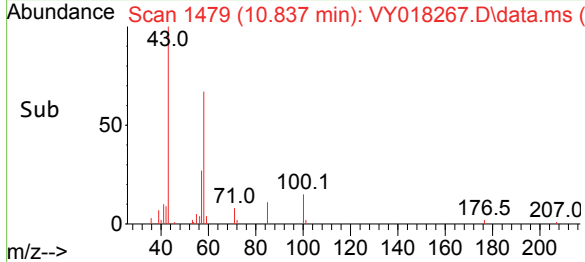
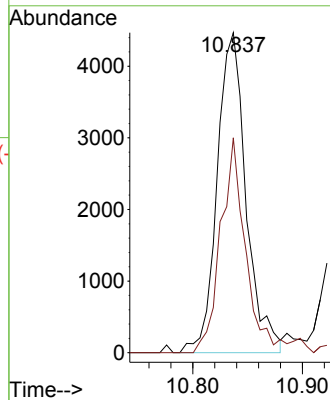
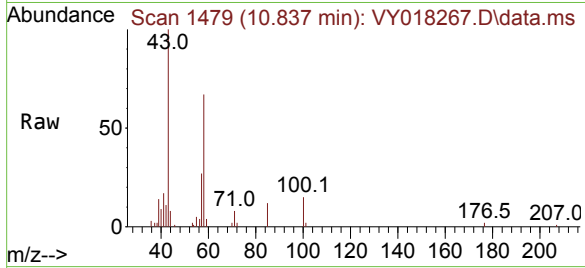




#59
2-Hexanone
Concen: 10.648 ug/l
RT: 10.837 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

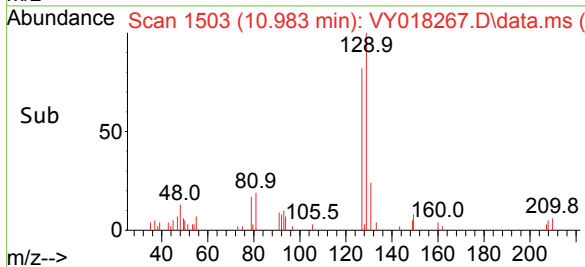
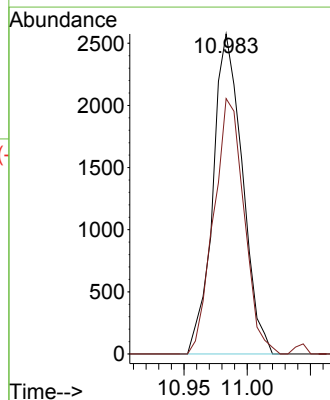
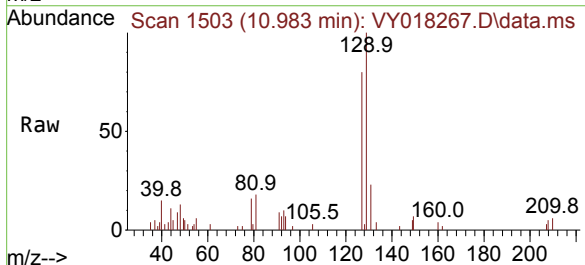
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

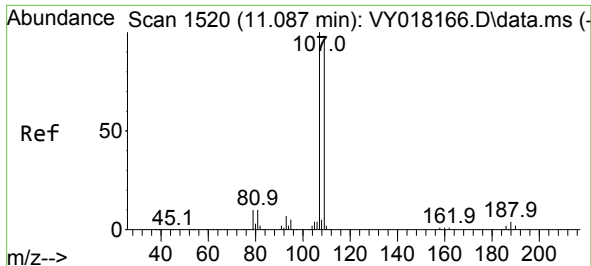
Tgt Ion: 43 Resp: 8201
Ion Ratio Lower Upper
43 100
58 57.8 31.4 94.0



#60
Dibromochloromethane
Concen: 2.281 ug/l
RT: 10.983 min Scan# 1503
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 129 Resp: 4175
Ion Ratio Lower Upper
129 100
127 82.0 39.0 117.0

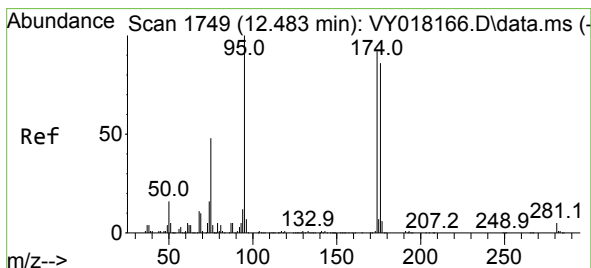
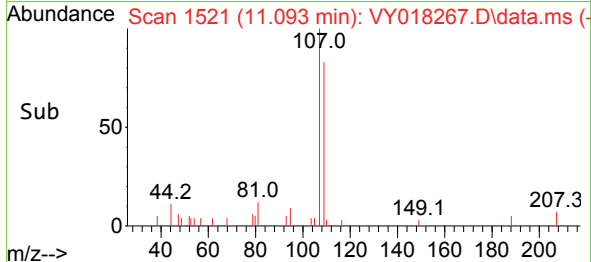
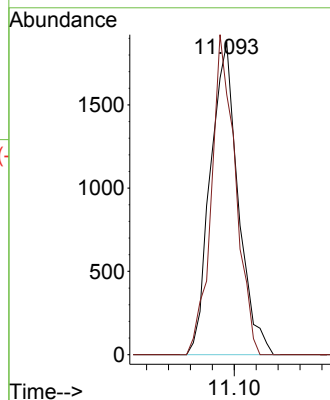
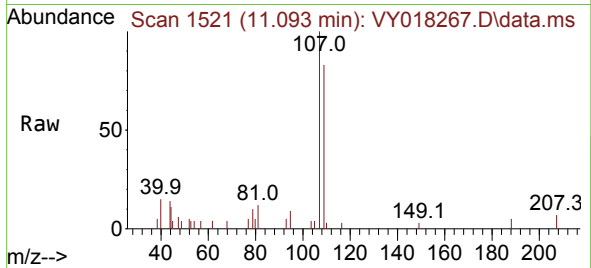




#61
1,2-Dibromoethane
Concen: 2.485 ug/l
RT: 11.093 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

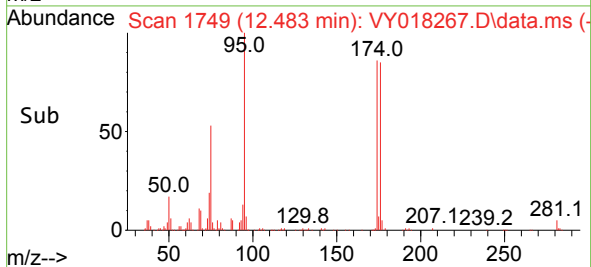
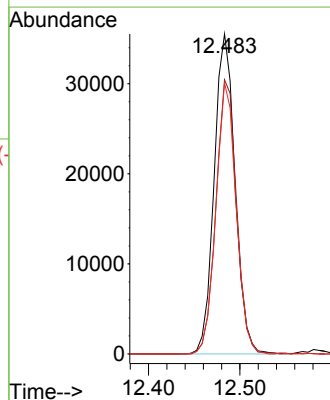
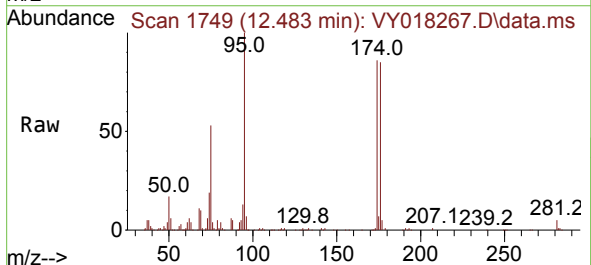
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

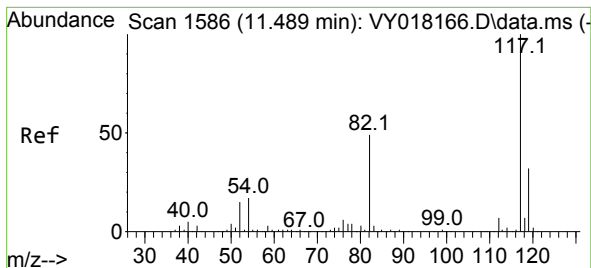
Tgt Ion:107 Resp: 3302
Ion Ratio Lower Upper
107 100
109 88.7 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 24.954 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 95 Resp: 56271
Ion Ratio Lower Upper
95 100
174 85.0 0.0 175.6
176 82.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

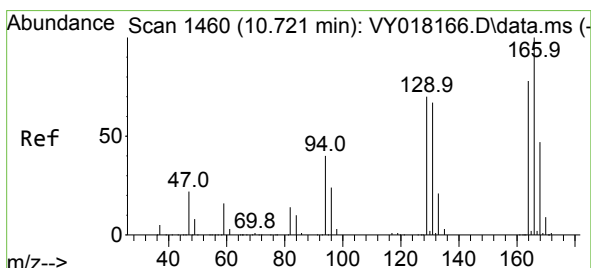
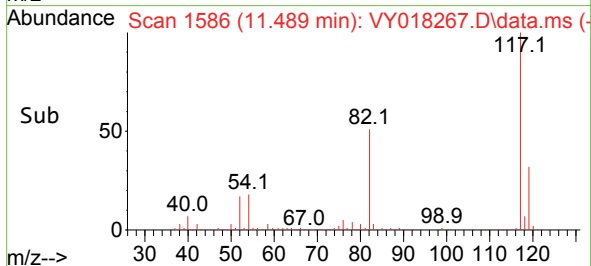
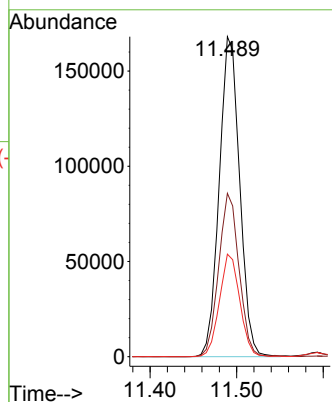
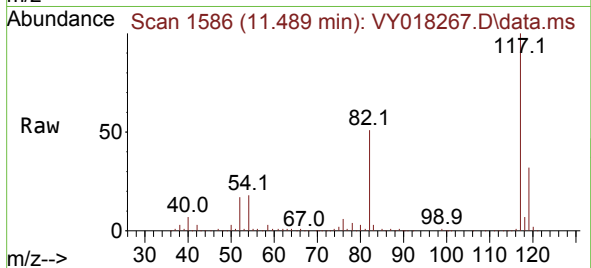
Tgt Ion:117 Resp: 274967

Ion Ratio Lower Upper

117 100

82 51.0 42.4 63.6

119 32.0 25.9 38.9



#64

Tetrachloroethene

Concen: 2.592 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Tgt Ion:164 Resp: 4745

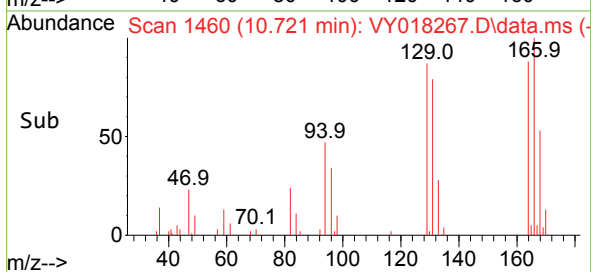
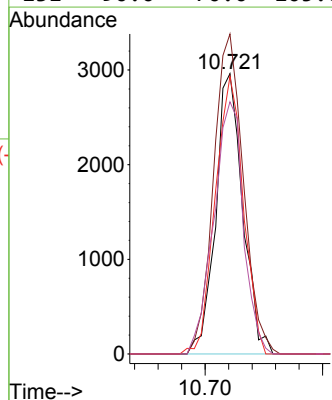
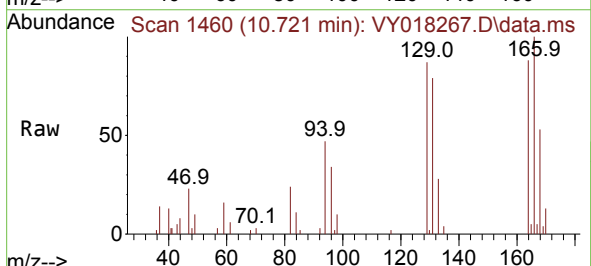
Ion Ratio Lower Upper

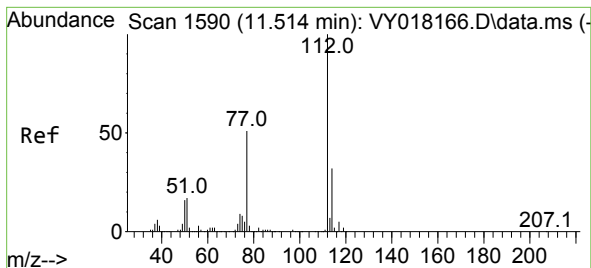
164 100

166 114.1 102.6 154.0

129 99.0 72.0 108.0

131 90.0 70.0 105.0





#65

Chlorobenzene

Concen: 2.567 ug/l

RT: 11.514 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

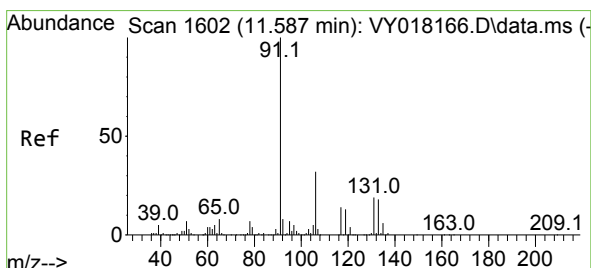
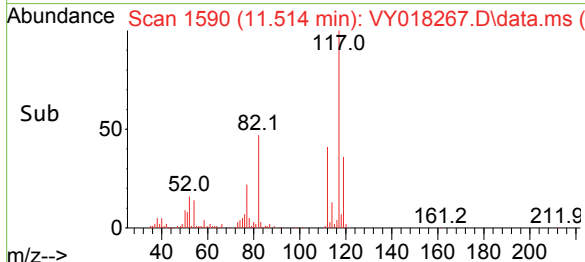
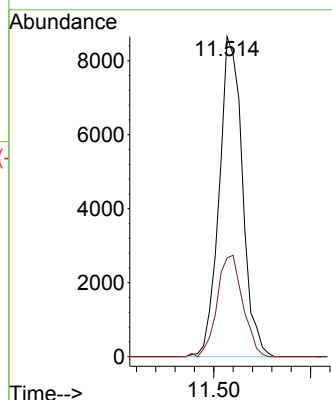
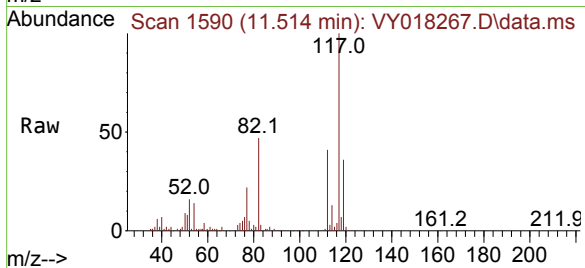
MDL-SOIL-03-QT2-2024

Tgt Ion:112 Resp: 14373

Ion Ratio Lower Upper

112 100

114 30.9 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 2.552 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

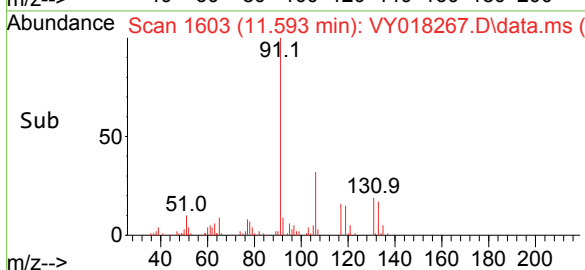
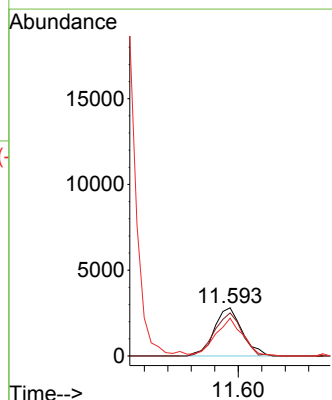
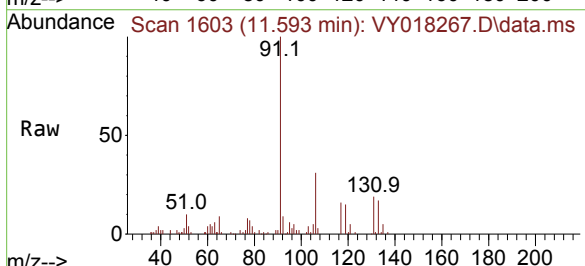
Tgt Ion:131 Resp: 4622

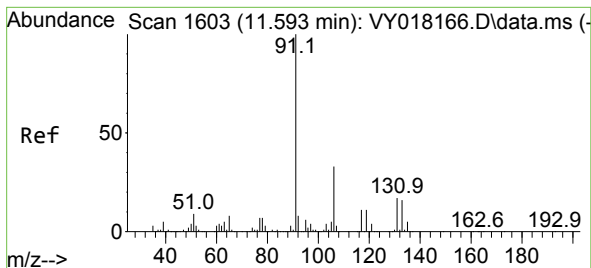
Ion Ratio Lower Upper

131 100

133 88.7 47.8 143.3

119 77.2 34.1 102.2





#67

Ethyl Benzene

Concen: 2.690 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

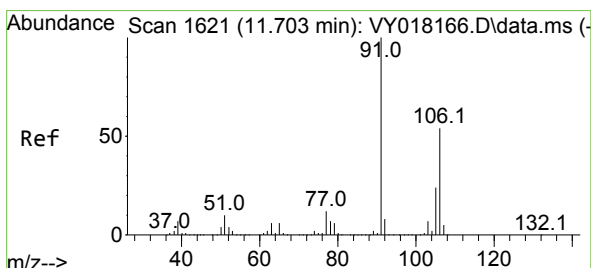
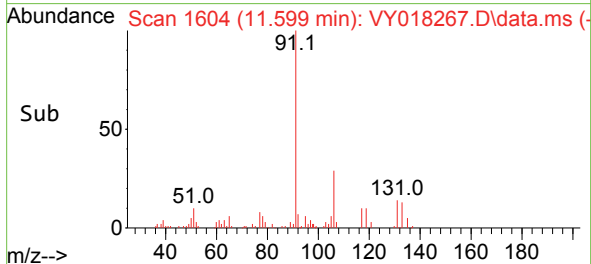
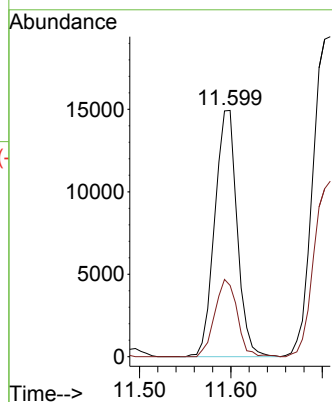
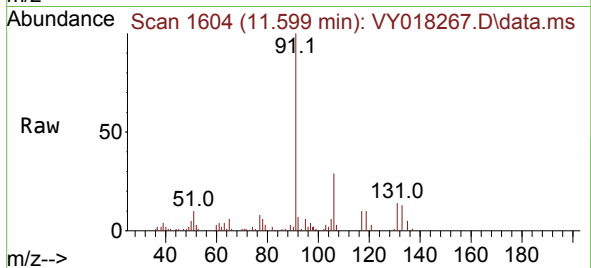
MDL-SOIL-03-QT2-2024

Tgt Ion: 91 Resp: 25434

Ion Ratio Lower Upper

91 100

106 28.9 24.5 36.7



#68

m/p-Xylenes

Concen: 5.320 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.006 min

Lab File: VY018267.D

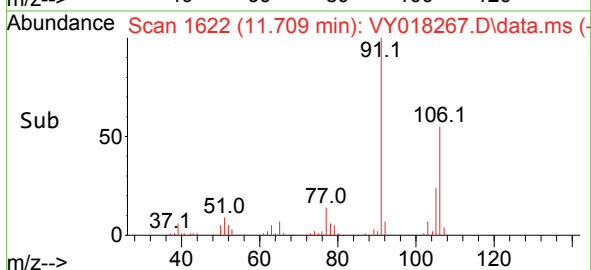
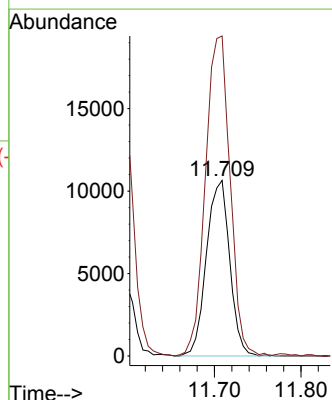
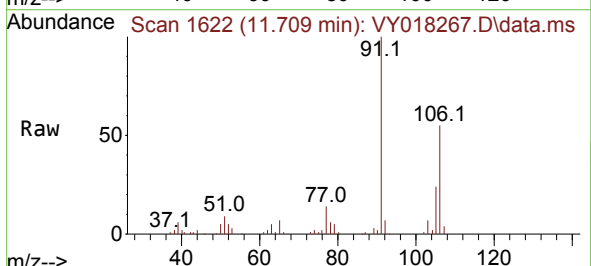
Acq: 15 May 2024 11:20

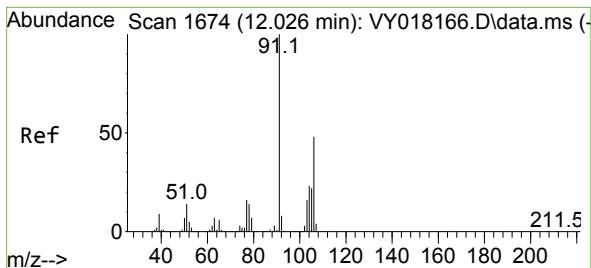
Tgt Ion:106 Resp: 19892

Ion Ratio Lower Upper

106 100

91 192.6 156.0 234.0





#69

o-Xylene

Concen: 2.386 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

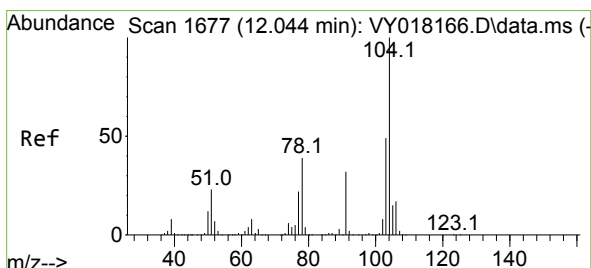
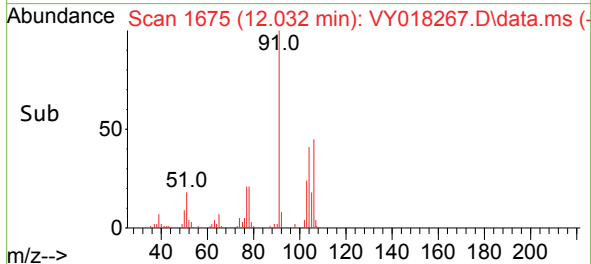
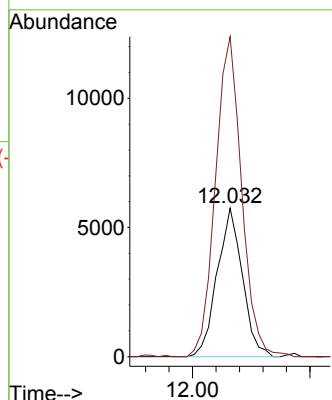
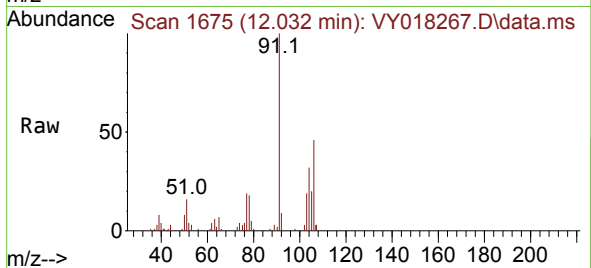
MDL-SOIL-03-QT2-2024

Tgt Ion:106 Resp: 8563

Ion Ratio Lower Upper

106 100

91 223.9 103.6 310.8



#70

Styrene

Concen: 2.498 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

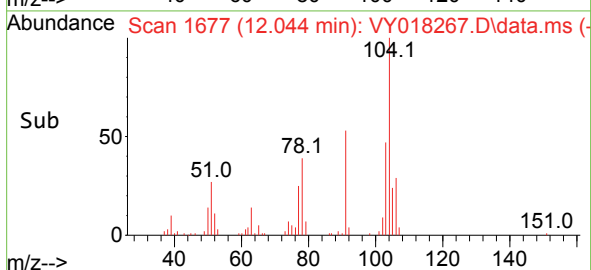
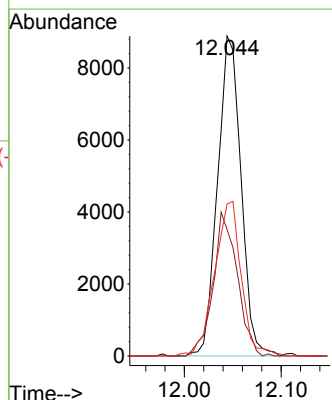
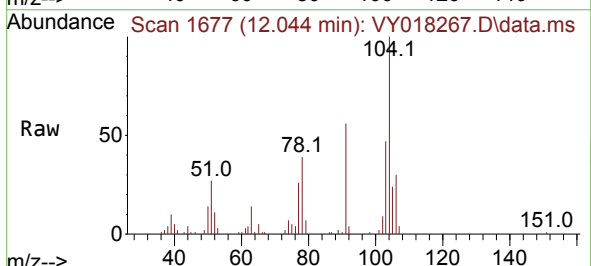
Tgt Ion:104 Resp: 14971

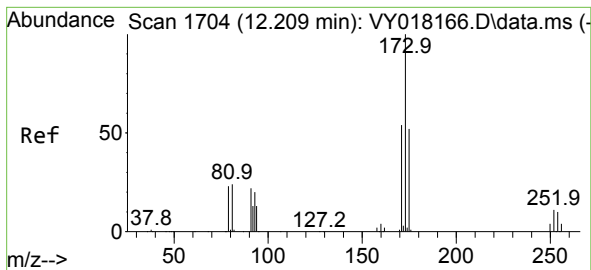
Ion Ratio Lower Upper

104 100

78 46.2 37.0 55.4

103 54.9 44.2 66.2





#71

Bromoform

Concen: 2.504 ug/l

RT: 12.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

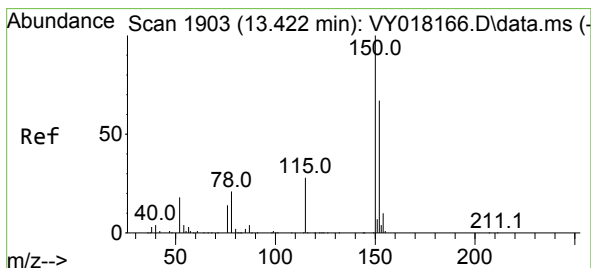
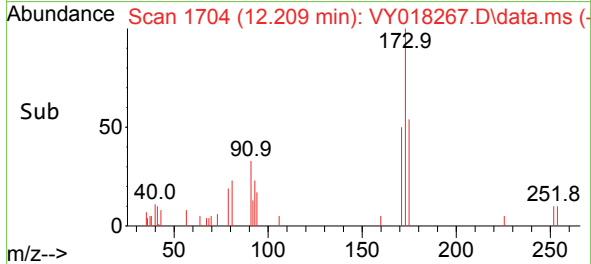
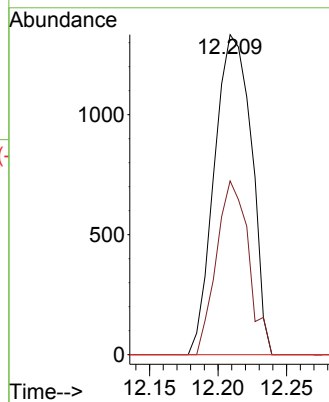
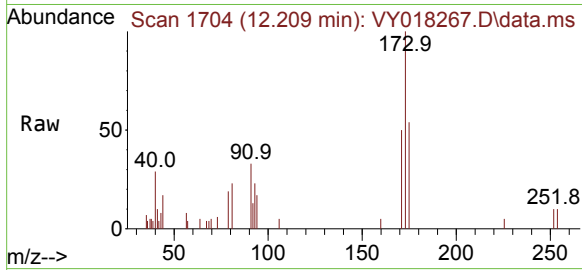
Tgt Ion:173 Resp: 2510

Ion Ratio Lower Upper

173 100

175 47.0 25.1 75.3

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: VY018267.D

Acq: 15 May 2024 11:20

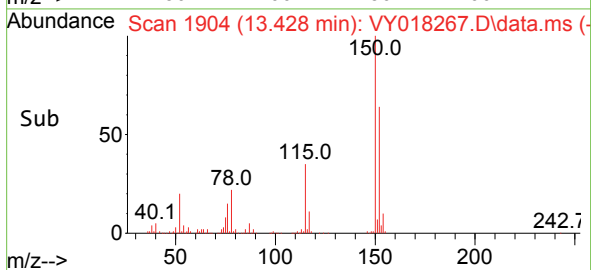
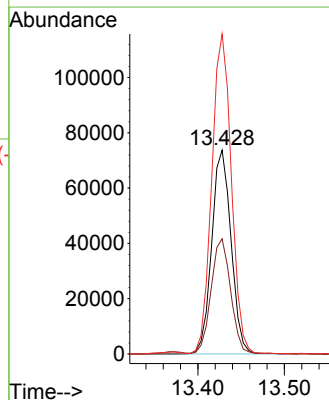
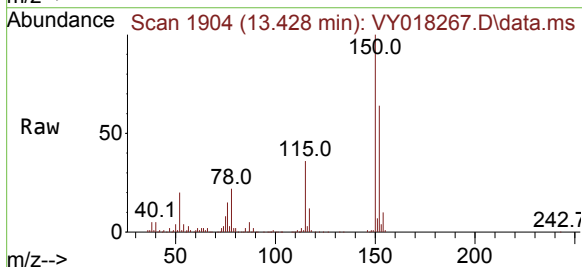
Tgt Ion:152 Resp: 114541

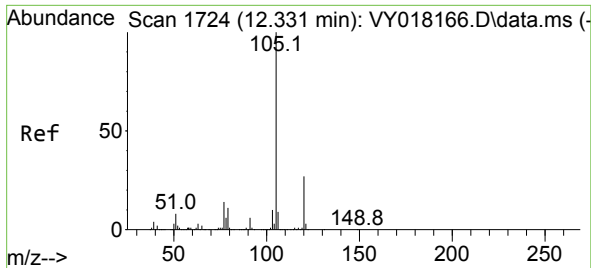
Ion Ratio Lower Upper

152 100

115 57.2 28.2 84.7

150 158.0 0.0 345.6

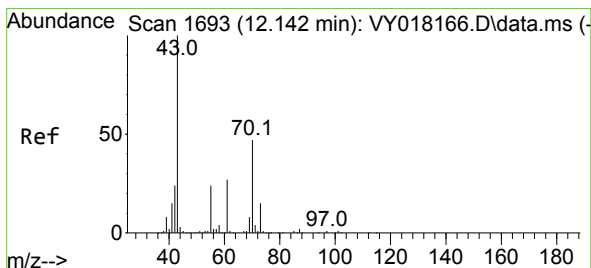
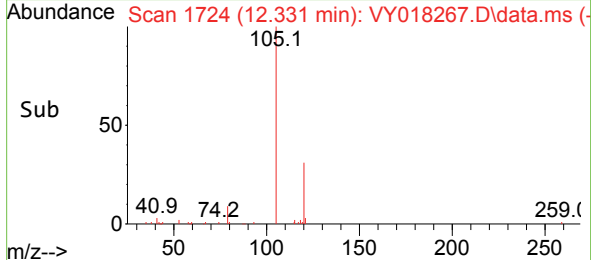
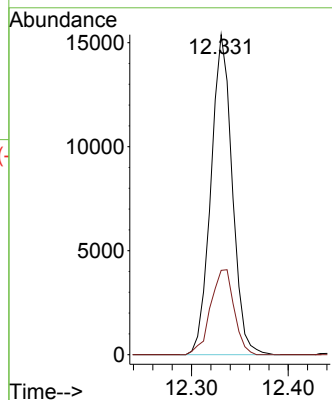
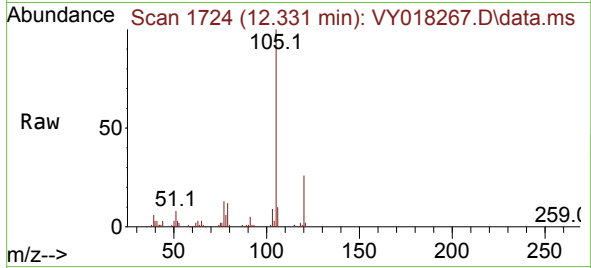




#73
Isopropylbenzene
Concen: 2.744 ug/l
RT: 12.331 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

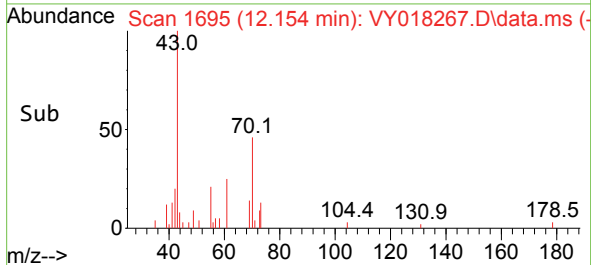
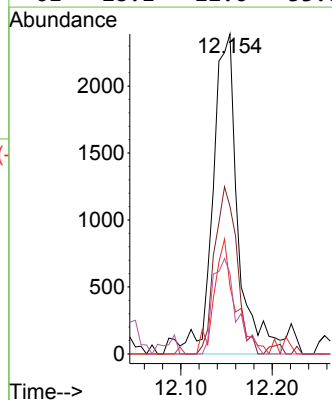
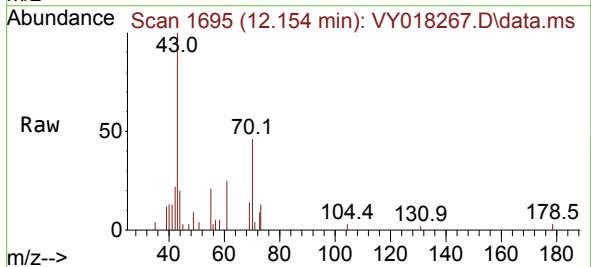
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

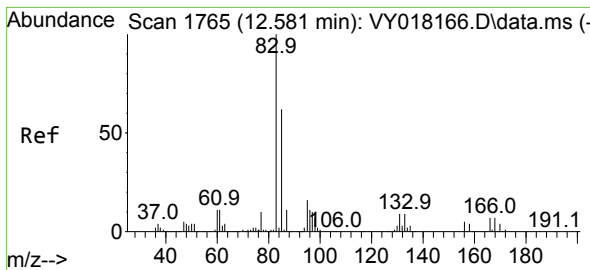
Tgt Ion:105 Resp: 23569
Ion Ratio Lower Upper
105 100
120 29.3 13.4 40.1



#74
N-ethyl acetate
Concen: 2.516 ug/l
RT: 12.154 min Scan# 1695
Delta R.T. 0.012 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion: 43 Resp: 4485
Ion Ratio Lower Upper
43 100
70 47.2 41.4 62.2
55 30.5 23.3 34.9
61 28.1 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 2.569 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

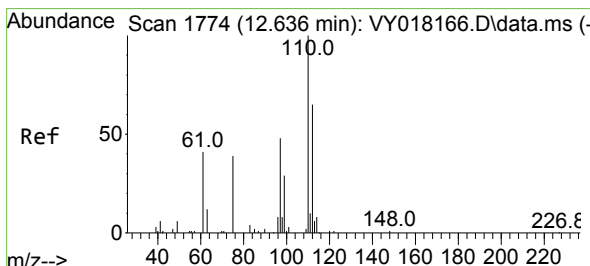
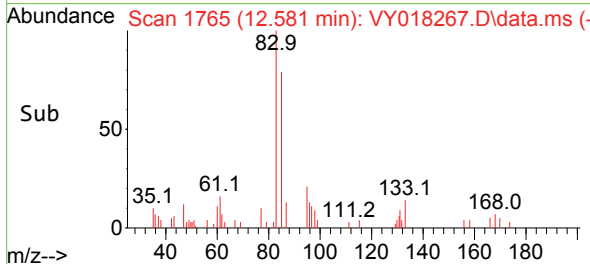
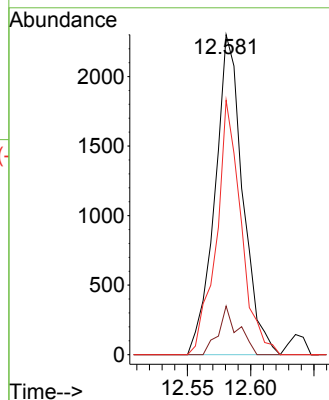
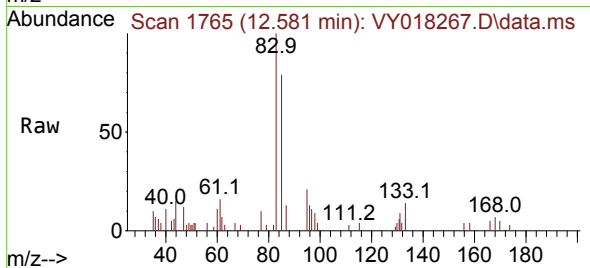
Tgt Ion: 83 Resp: 3520

Ion Ratio Lower Upper

83 100

131 10.8 5.0 14.9

85 70.7 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 5.187 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VY018267.D

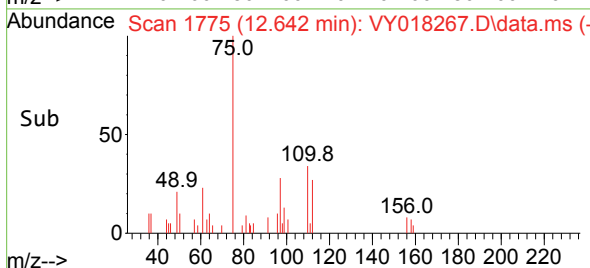
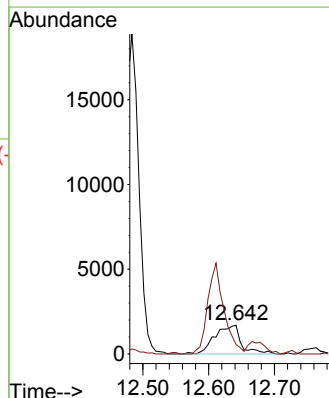
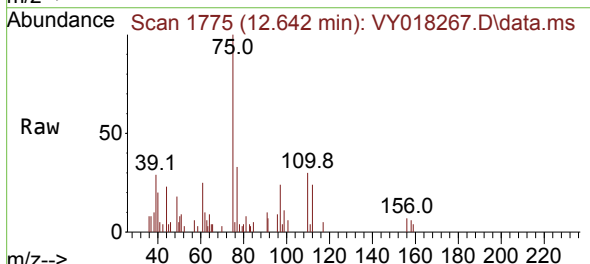
Acq: 15 May 2024 11:20

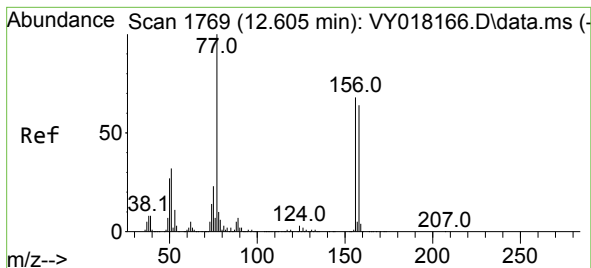
Tgt Ion: 75 Resp: 4756

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.660 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

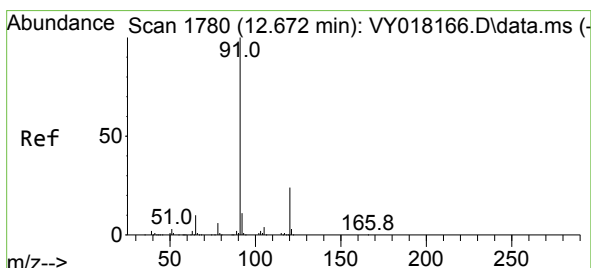
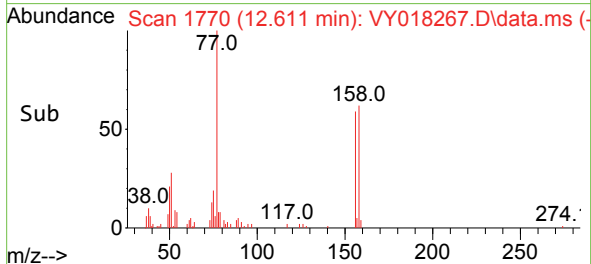
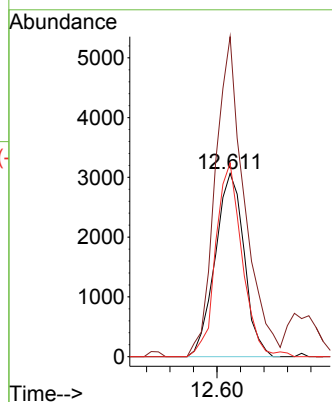
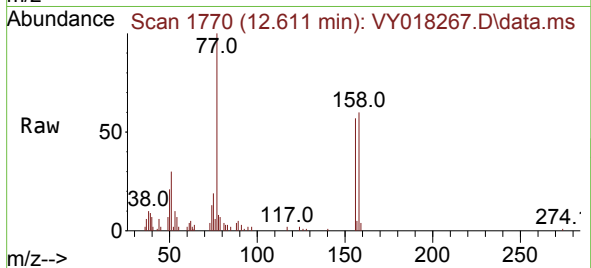
Tgt Ion:156 Resp: 5248

Ion Ratio Lower Upper

156 100

77 175.5 87.1 261.3

158 96.6 48.6 145.9



#78

n-propylbenzene

Concen: 2.868 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY018267.D

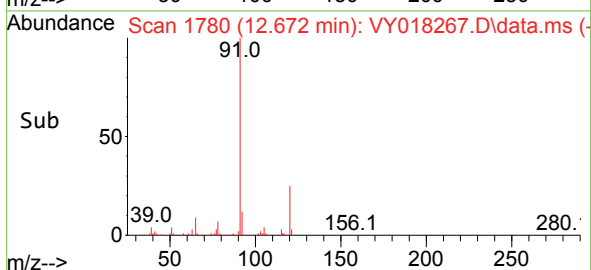
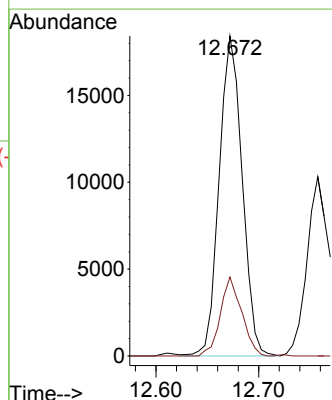
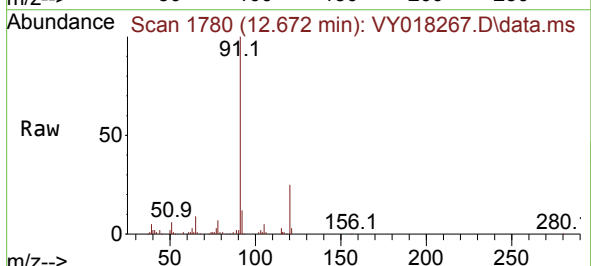
Acq: 15 May 2024 11:20

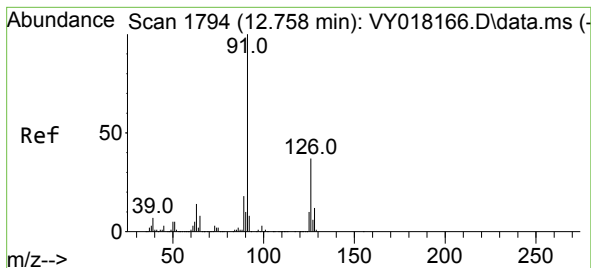
Tgt Ion: 91 Resp: 28649

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4





#79

2-Chlorotoluene

Concen: 2.819 ug/l

RT: 12.757 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

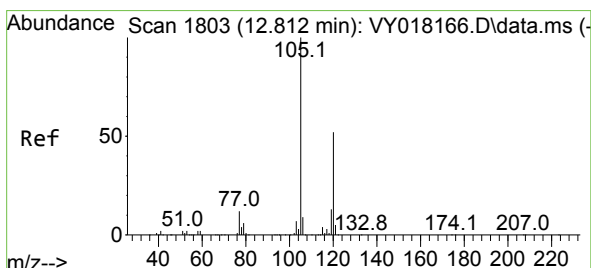
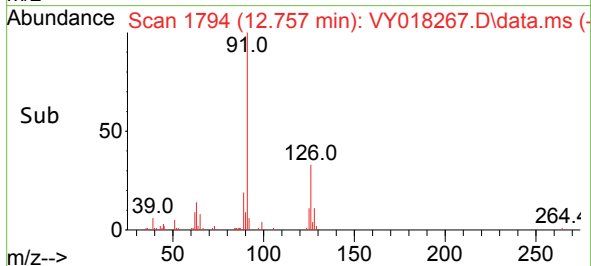
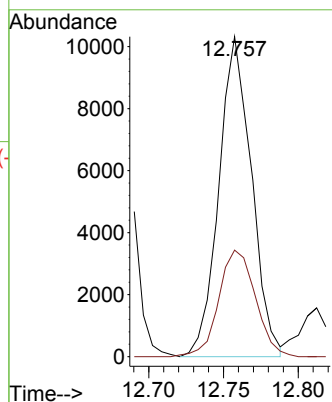
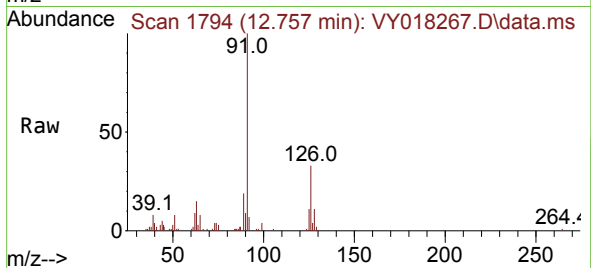
MDL-SOIL-03-QT2-2024

Tgt Ion: 91 Resp: 15646

Ion Ratio Lower Upper

91 100

126 37.5 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 2.690 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY018267.D

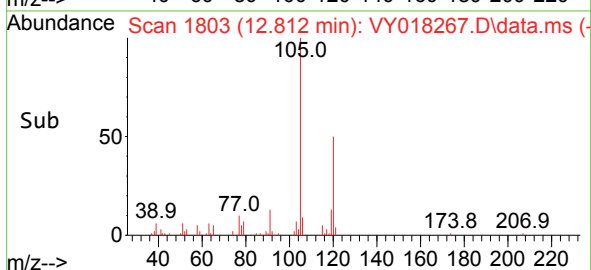
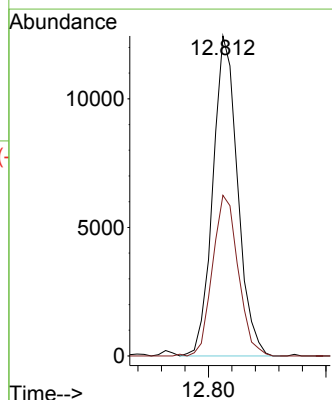
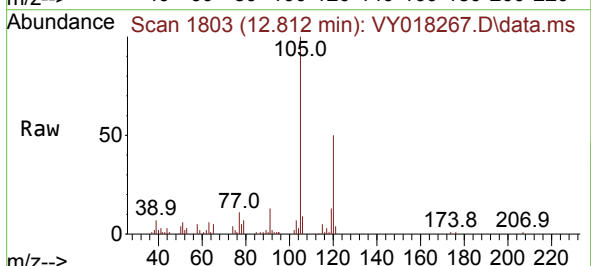
Acq: 15 May 2024 11:20

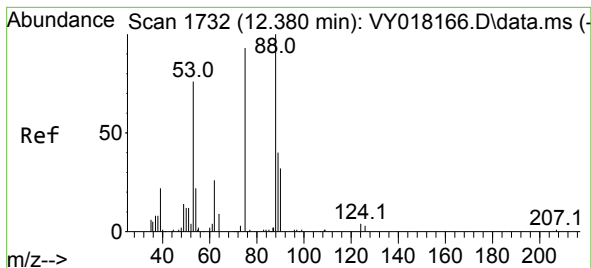
Tgt Ion: 105 Resp: 18217

Ion Ratio Lower Upper

105 100

120 52.0 25.1 75.2

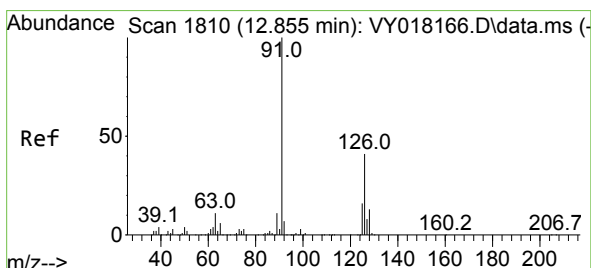
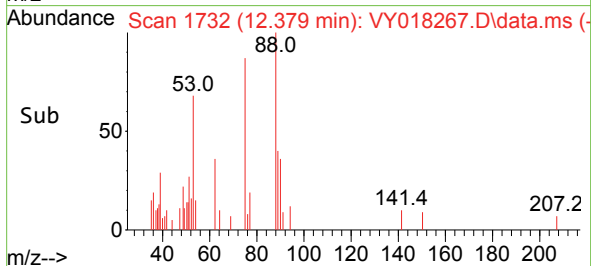
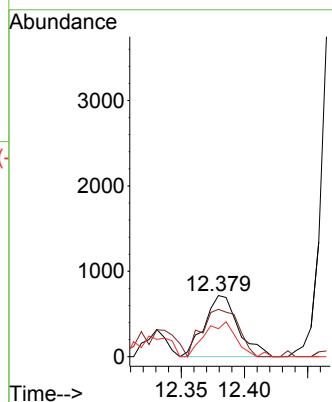
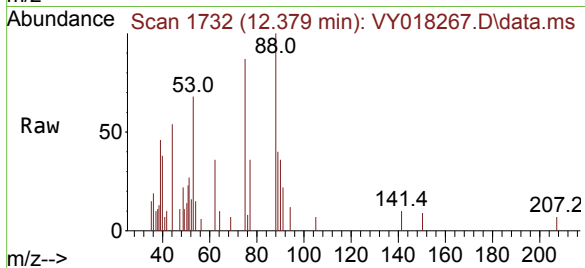




#81
trans-1,4-Dichloro-2-butene
Concen: 2.803 ug/l
RT: 12.379 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

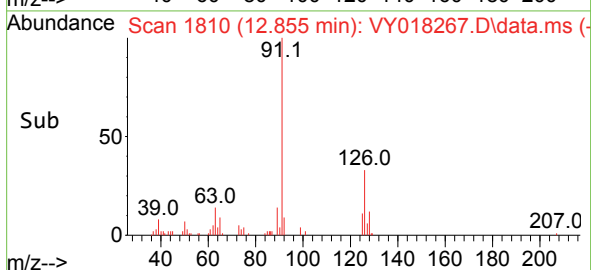
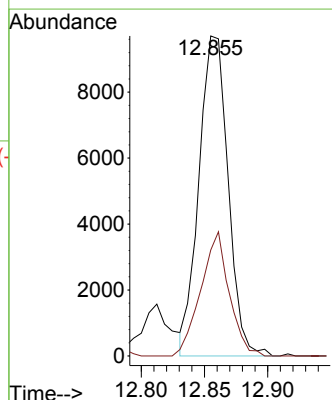
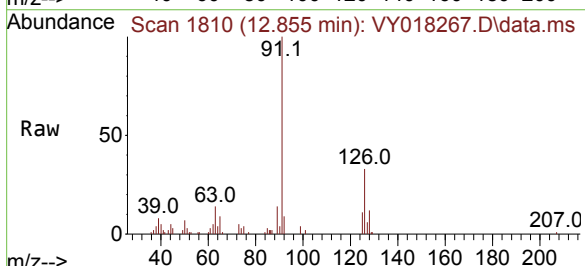
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

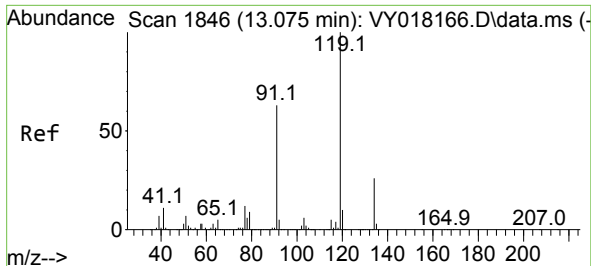
Tgt Ion:	75	Resp:	1334
Ion	Ratio	Lower	Upper
75	100		
53	83.8	66.8	100.2
89	53.4	35.8	53.6



#82
4-Chlorotoluene
Concen: 2.796 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion:	91	Resp:	15591
Ion	Ratio	Lower	Upper
91	100		
126	37.8	17.6	52.9

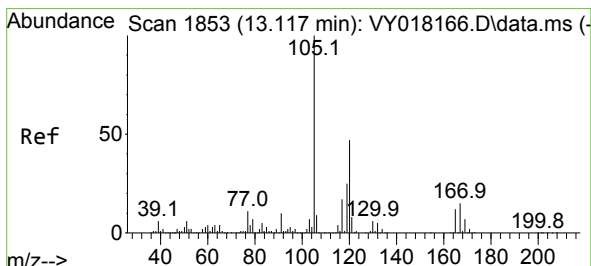
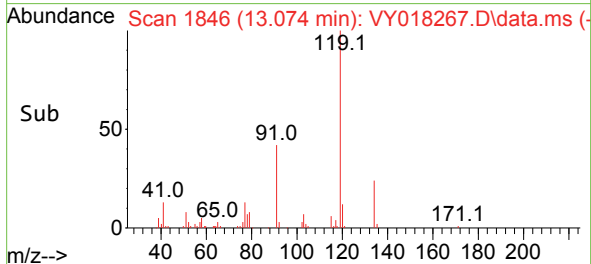
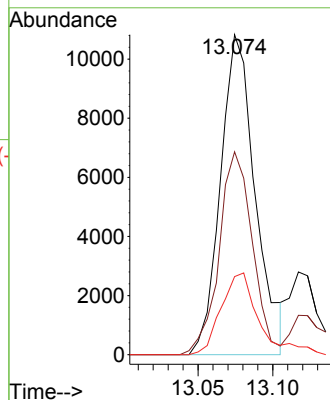
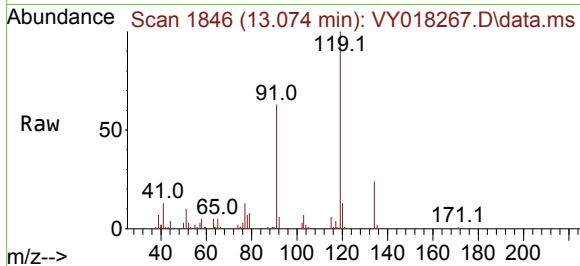




#83
tert-Butylbenzene
Concen: 2.807 ug/l
RT: 13.074 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

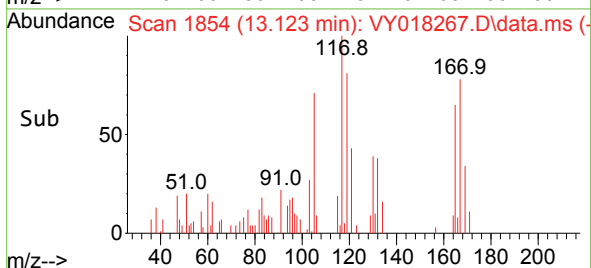
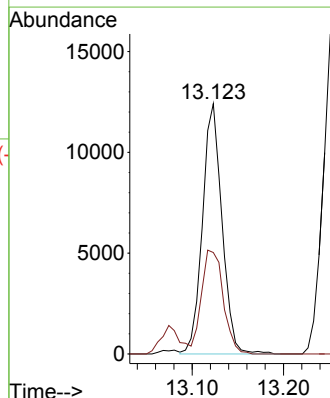
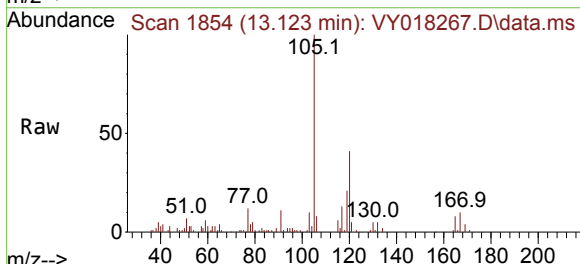
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

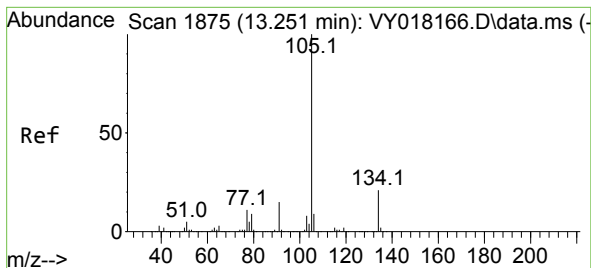
Tgt Ion:119	Resp:	17530
Ion Ratio	Lower	Upper
119	100	
91	60.5	31.3 93.8
134	27.7	13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 2.773 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion:105	Resp:	18396
Ion Ratio	Lower	Upper
105	100	
120	46.0	23.2 69.6





#85

sec-Butylbenzene

Concen: 2.677 ug/l

RT: 13.257 min Scan# 1875

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

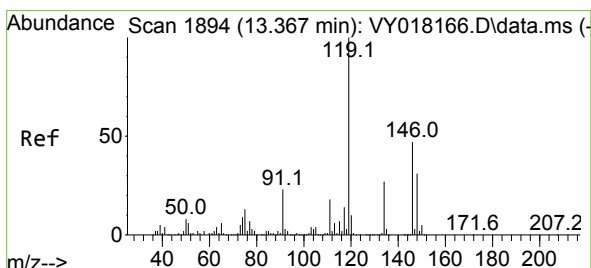
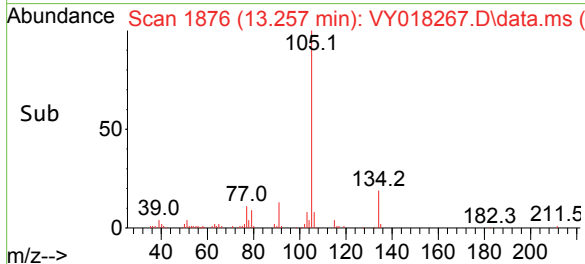
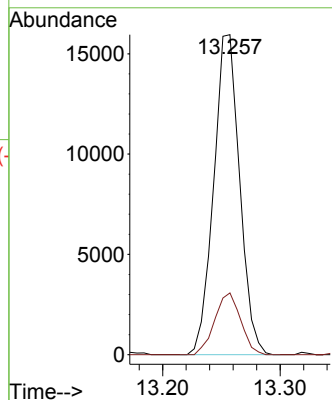
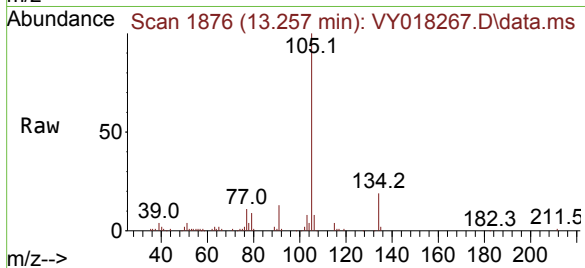
MDL-SOIL-03-QT2-2024

Tgt Ion:105 Resp: 24523

Ion Ratio Lower Upper

105 100

134 19.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 2.662 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

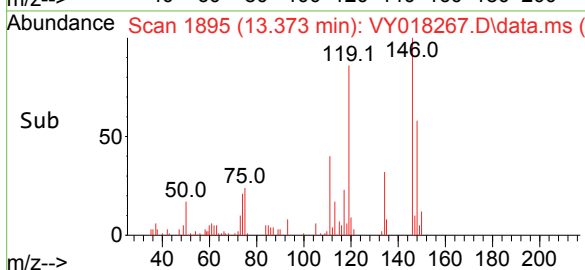
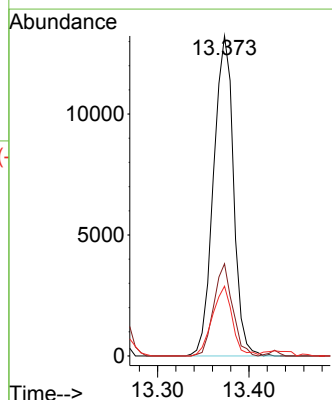
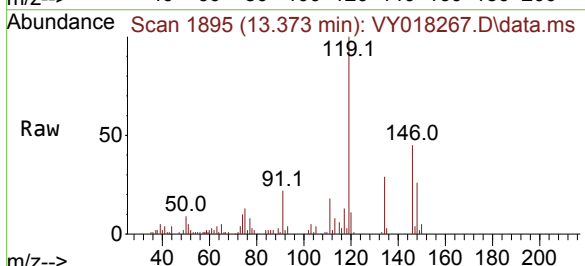
Tgt Ion:119 Resp: 20061

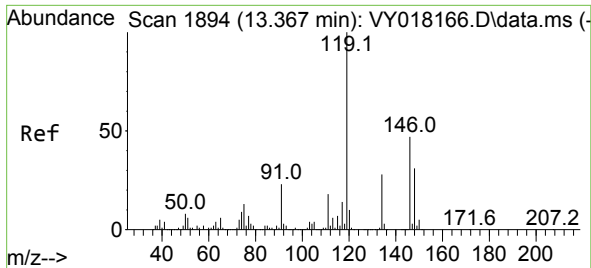
Ion Ratio Lower Upper

119 100

134 27.1 13.1 39.3

91 21.9 10.7 32.1

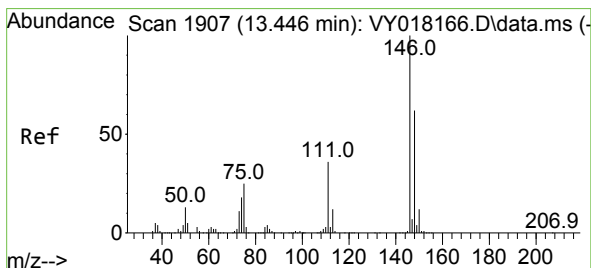
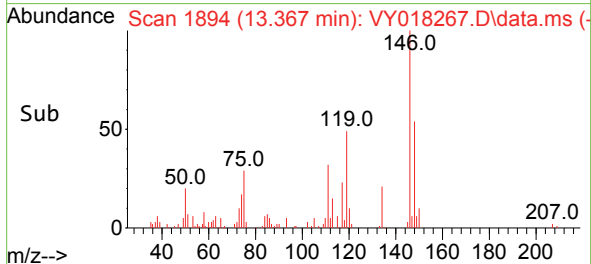
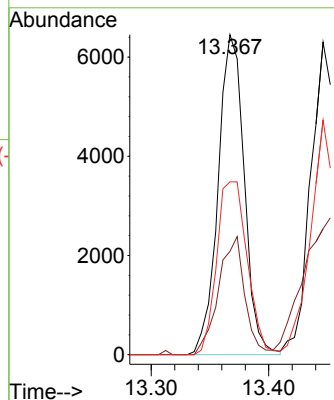
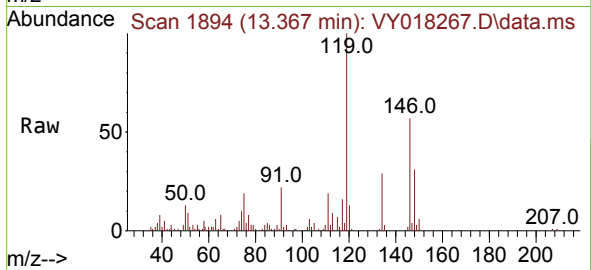




#87
1,3-Dichlorobenzene
Concen: 2.624 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

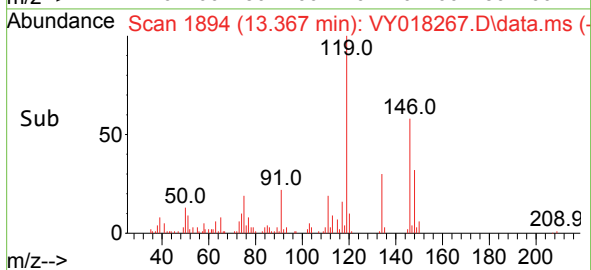
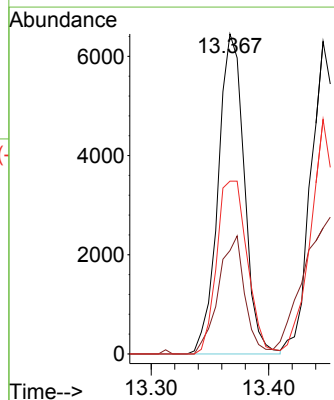
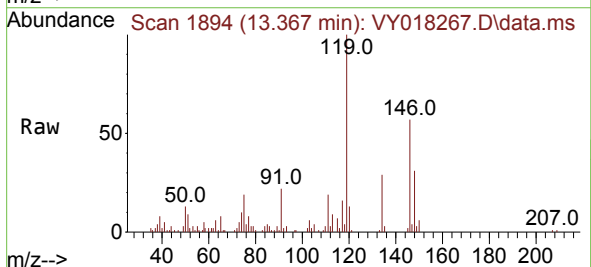
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

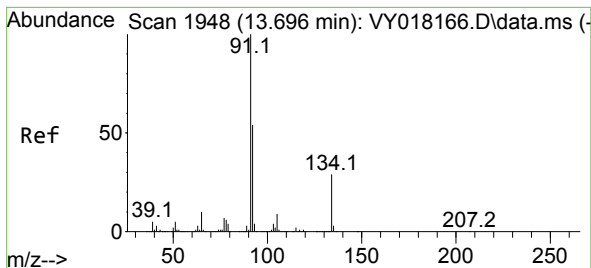
Tgt Ion:146 Resp: 9999
Ion Ratio Lower Upper
146 100
111 37.2 19.0 57.0
148 63.2 31.7 95.1



#88
1,4-Dichlorobenzene
Concen: 2.692 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.079 min
Lab File: VY018267.D
Acq: 15 May 2024 11:20

Tgt Ion:146 Resp: 9999
Ion Ratio Lower Upper
146 100
111 37.2 18.4 55.4
148 63.2 32.4 97.2





#89

n-Butylbenzene

Concen: 2.611 ug/l

RT: 13.702 min Scan# 1948

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

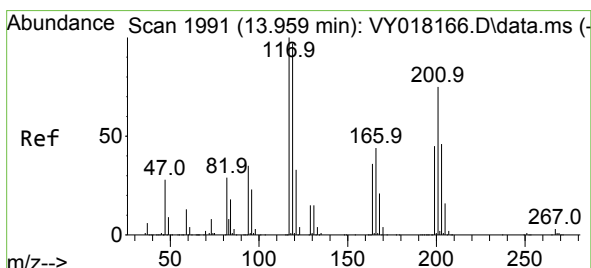
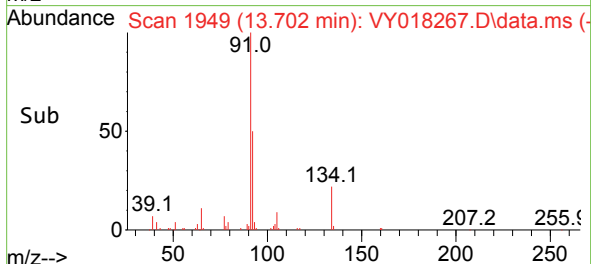
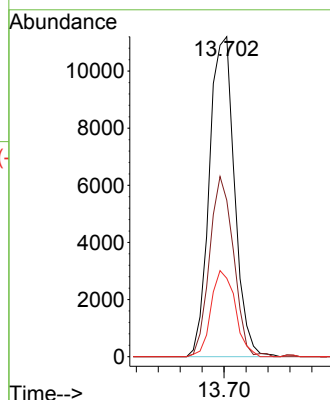
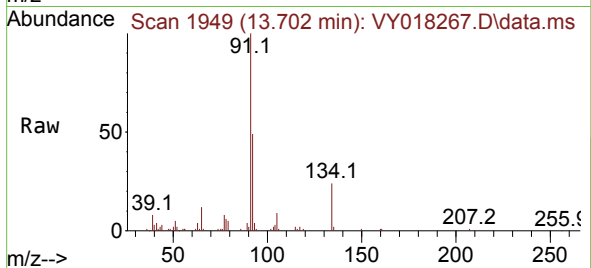
Tgt Ion: 91 Resp: 17809

Ion Ratio Lower Upper

91 100

92 53.8 26.6 79.7

134 26.0 12.9 38.7



#90

Hexachloroethane

Concen: 2.485 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. -0.000 min

Lab File: VY018267.D

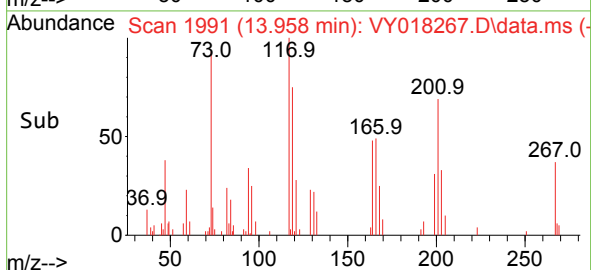
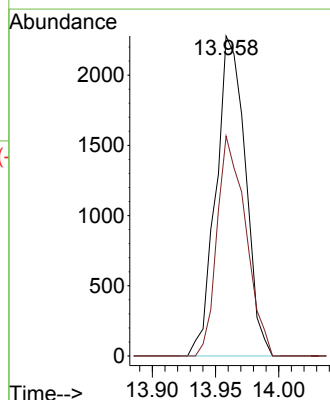
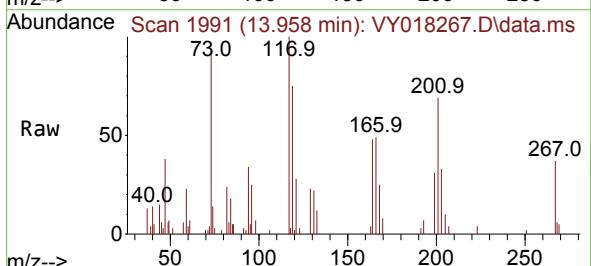
Acq: 15 May 2024 11:20

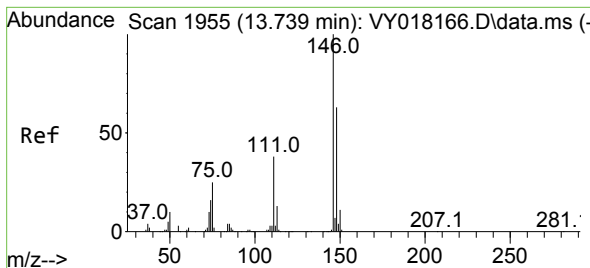
Tgt Ion: 117 Resp: 3674

Ion Ratio Lower Upper

117 100

201 67.3 37.4 112.2





#91

1,2-Dichlorobenzene

Concen: 2.583 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

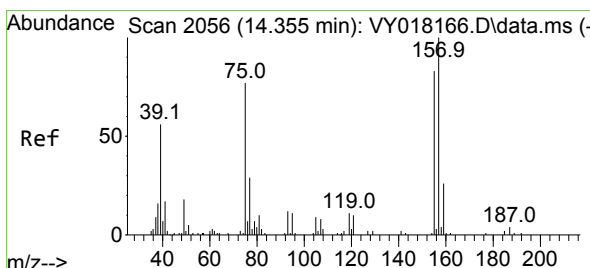
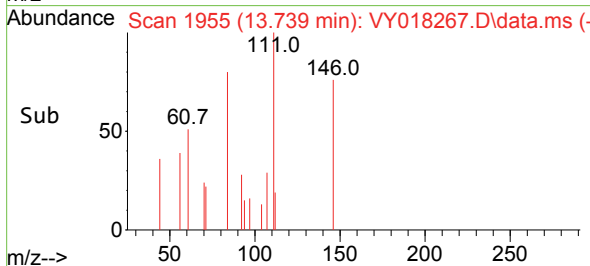
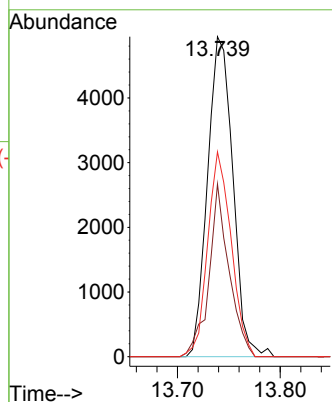
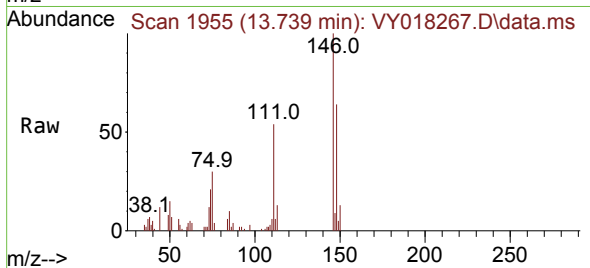
Tgt Ion:146 Resp: 8460

Ion Ratio Lower Upper

146 100

111 42.8 19.9 59.7

148 59.6 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.230 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

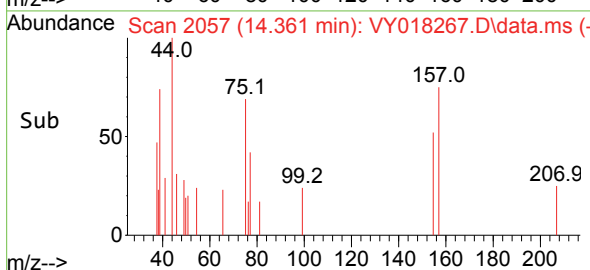
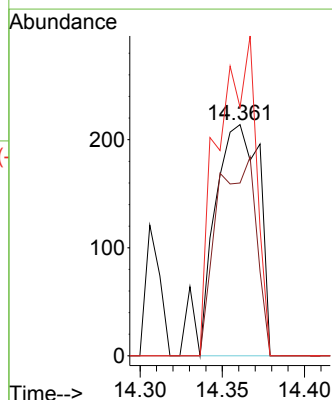
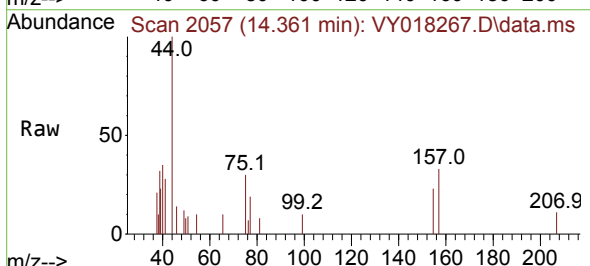
Tgt Ion: 75 Resp: 416

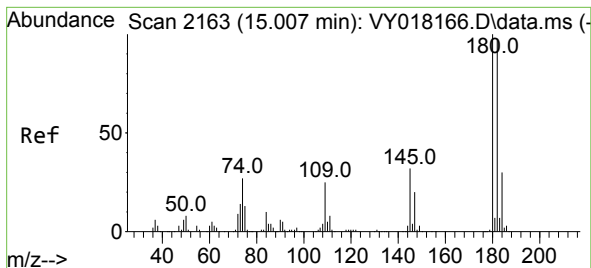
Ion Ratio Lower Upper

75 100

155 73.1 48.6 145.8

157 114.7 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 2.344 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

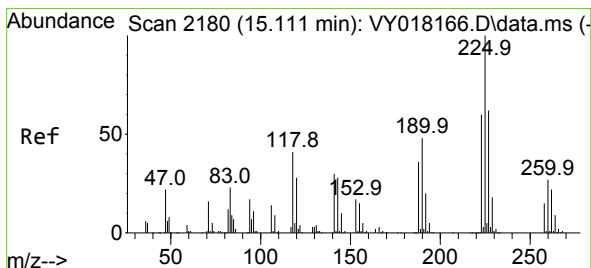
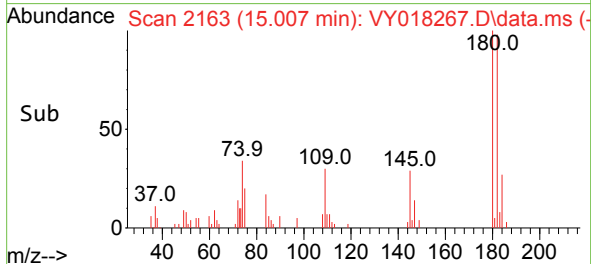
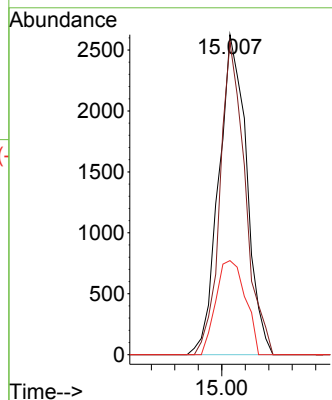
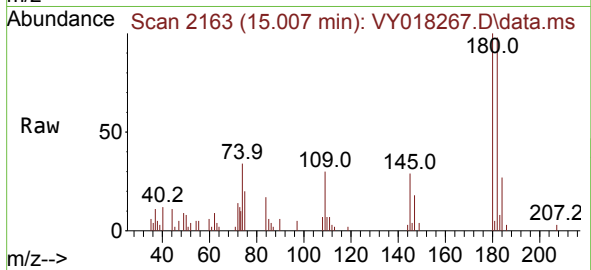
Tgt Ion:180 Resp: 4315

Ion Ratio Lower Upper

180 100

182 88.3 47.9 143.8

145 31.2 14.2 42.6



#94

Hexachlorobutadiene

Concen: 2.314 ug/l

RT: 15.123 min Scan# 2182

Delta R.T. 0.012 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

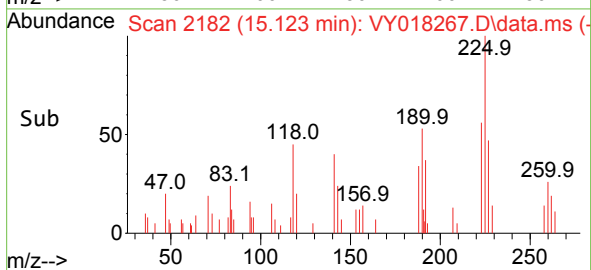
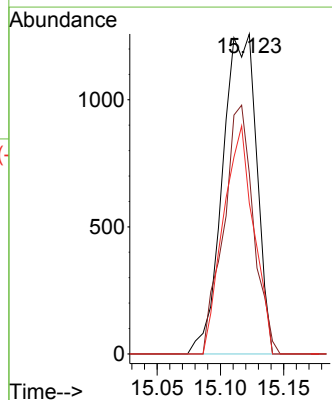
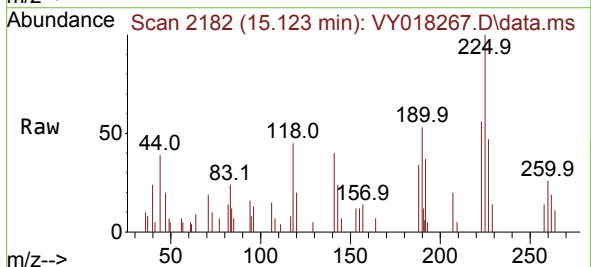
Tgt Ion:225 Resp: 2351

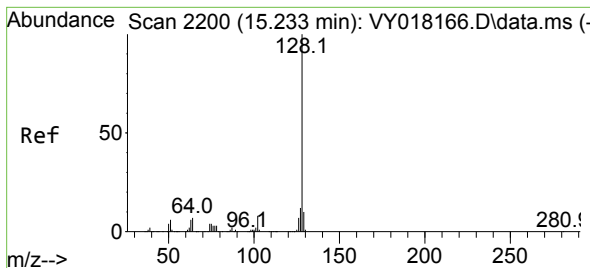
Ion Ratio Lower Upper

225 100

223 68.3 30.4 91.2

227 63.7 31.9 95.9





#95

Naphthalene

Concen: 2.111 ug/l

RT: 15.239 min Scan# 2200

Delta R.T. 0.006 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

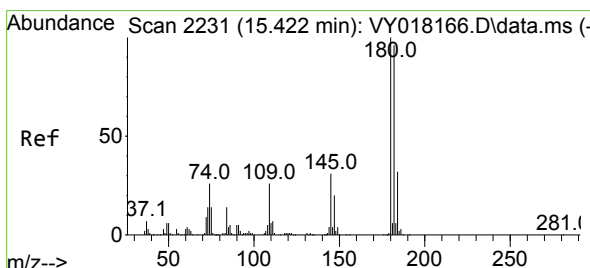
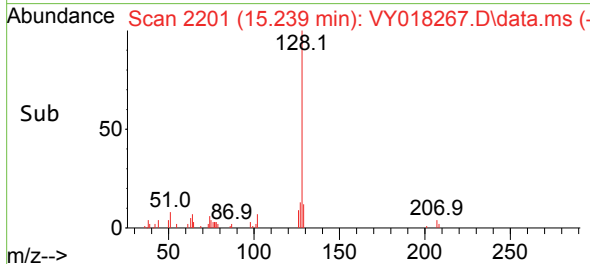
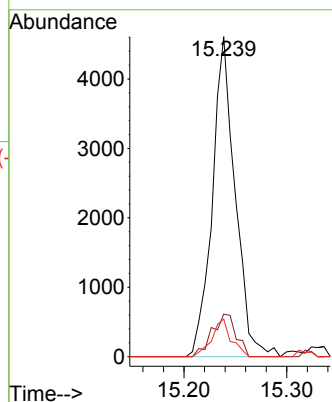
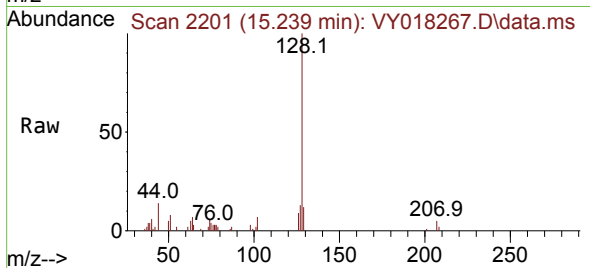
Tgt Ion:128 Resp: 7120

Ion Ratio Lower Upper

128 100

127 13.9 10.6 16.0

129 10.0 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.256 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.012 min

Lab File: VY018267.D

Acq: 15 May 2024 11:20

Tgt Ion:180 Resp: 3409

Ion Ratio Lower Upper

180 100

182 92.9 47.6 142.9

145 33.7 15.4 46.1

