

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051624\
 Data File : VY018287.D
 Acq On : 16 May 2024 15:36
 Operator : SY/MD
 Sample : P2403-03 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 17 02:05:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 02:04:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	169080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	297608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	112359	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	71379	57.385	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.760%	
35) Dibromofluoromethane	7.710	113	79647	50.923	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.840%	
50) Toluene-d8	10.179	98	310715	50.413	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	12.477	95	95745	48.103	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.200%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	5548	4.138	ug/l	99
3) Chloromethane	2.107	50	8508	4.740	ug/l	92
4) Vinyl Chloride	2.247	62	10045	4.617	ug/l	96
5) Bromomethane	2.643	94	7722	5.110	ug/l	98
6) Chloroethane	2.790	64	6725	4.870	ug/l	94
7) Trichlorofluoromethane	3.113	101	11204	4.396	ug/l #	81
8) Diethyl Ether	3.521	74	3625	4.321	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.887	101	6890	4.242	ug/l	93
10) Methyl Iodide	4.082	142	6934	3.656	ug/l	96
11) Tert butyl alcohol	4.924	59	8183	65.816	ug/l #	95
12) 1,1-Dichloroethene	3.869	96	6424	3.929	ug/l	89
13) Acrolein	3.716	56	4651	34.688	ug/l	96
14) Allyl chloride	4.466	41	7882	3.789	ug/l	93
15) Acrylonitrile	5.155	53	7582	23.499	ug/l	94
16) Acetone	3.936	43	7351	29.614	ug/l #	80
17) Carbon Disulfide	4.186	76	18176	4.083	ug/l	98
18) Methyl Acetate	4.466	43	4547	6.431	ug/l #	85
19) Methyl tert-butyl Ether	5.216	73	15924	4.372	ug/l	100
20) Methylene Chloride	4.710	84	16952	9.662	ug/l	97
21) trans-1,2-Dichloroethene	5.216	96	7556	4.359	ug/l	88
22) Diisopropyl ether	6.106	45	18872	4.277	ug/l #	83
23) Vinyl Acetate	6.051	43	55105	20.546	ug/l	99
24) 1,1-Dichloroethane	6.009	63	11295	4.156	ug/l	99
25) 2-Butanone	6.978	43	10494	26.447	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	11874	4.827	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	8611	4.204	ug/l	96
28) Bromochloromethane	7.332	49	6253	5.756	ug/l	91
29) Tetrahydrofuran	7.344	42	6509	24.851	ug/l	91
30) Chloroform	7.496	83	11998	4.229	ug/l	87
31) Cyclohexane	7.783	56	13096	5.076	ug/l #	76
32) 1,1,1-Trichloroethane	7.697	97	10314	4.056	ug/l	96
36) 1,1-Dichloropropene	7.917	75	8278	3.692	ug/l	94
37) Ethyl Acetate	7.069	43	4840	5.129	ug/l #	75
38) Carbon Tetrachloride	7.893	117	8671	3.539	ug/l #	89
39) Methylcyclohexane	9.179	83	11980	3.704	ug/l	93
40) Benzene	8.155	78	28343	3.930	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	2425	4.450	ug/l #	23
42) 1,2-Dichloroethane	8.234	62	7035	4.483	ug/l	88
43) Isopropyl Acetate	8.271	43	8220	4.249	ug/l	97
44) Trichloroethene	8.929	130	7153	3.643	ug/l	97
45) 1,2-Dichloropropane	9.209	63	6439	4.084	ug/l	98
46) Dibromomethane	9.301	93	3607	3.979	ug/l	95
47) Bromodichloromethane	9.490	83	8039	3.587	ug/l #	90
48) Methyl methacrylate	9.295	41	3363	3.793	ug/l #	93
49) 1,4-Dioxane	9.301	88	980	81.448	ug/l #	80
51) 4-Methyl-2-Pentanone	10.063	43	20825	21.420	ug/l	93
52) Toluene	10.246	92	17711	3.814	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	7609	3.635	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	10214	3.992	ug/l #	91
55) 1,1,2-Trichloroethane	10.642	97	4913	3.945	ug/l	93
56) Ethyl methacrylate	10.508	69	6233	3.686	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	8436	4.163	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.782	63	20582	25.487	ug/l	99
59) 2-Hexanone	10.831	43	14150	20.815	ug/l	93
60) Dibromochloromethane	10.983	129	5914	3.661	ug/l	97
61) 1,2-Dibromoethane	11.087	107	4775	4.071	ug/l	96
64) Tetrachloroethene	10.715	164	6435	3.794	ug/l	94
65) Chlorobenzene	11.514	112	18555	3.577	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	5522	3.291	ug/l	92
67) Ethyl Benzene	11.593	91	32540	3.715	ug/l	96
68) m/p-Xylenes	11.703	106	25118	7.251	ug/l	97
69) o-Xylene	12.026	106	12249	3.685	ug/l	94
70) Styrene	12.044	104	19082	3.437	ug/l	99
71) Bromoform	12.209	173	2950	3.177	ug/l #	97
73) Isopropylbenzene	12.325	105	29854	3.544	ug/l	99
74) N-amyl acetate	12.142	43	6568	3.756	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.581	83	5010	3.728	ug/l	92
76) 1,2,3-Trichloropropane	12.636	75	7277	8.091	ug/l #	100
77) Bromobenzene	12.605	156	6880	3.555	ug/l	99
78) n-propylbenzene	12.672	91	36108	3.685	ug/l	99
79) 2-Chlorotoluene	12.758	91	20586	3.781	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	24410	3.675	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	2045	4.381	ug/l	96
82) 4-Chlorotoluene	12.849	91	20556	3.758	ug/l	100
83) tert-Butylbenzene	13.075	119	21833	3.563	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	23822	3.661	ug/l	99
85) sec-Butylbenzene	13.251	105	32560	3.623	ug/l	98
86) p-Isopropyltoluene	13.367	119	25467	3.444	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	13361	3.575	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	13821	3.793	ug/l	94
89) n-Butylbenzene	13.696	91	23912	3.574	ug/l	97
90) Hexachloroethane	13.959	117	4401	3.034	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	11555	3.597	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.361	75	831	4.541	ug/l	83
93) 1,2,4-Trichlorobenzene	15.007	180	6213	3.440	ug/l	94
94) Hexachlorobutadiene	15.111	225	3564	3.577	ug/l	95
95) Naphthalene	15.233	128	11719	3.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	5091	3.435	ug/l	93

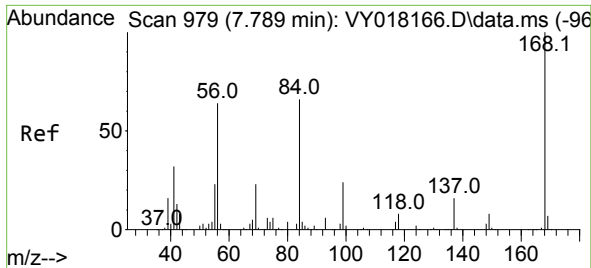
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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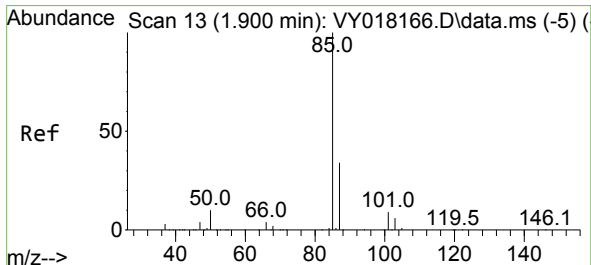
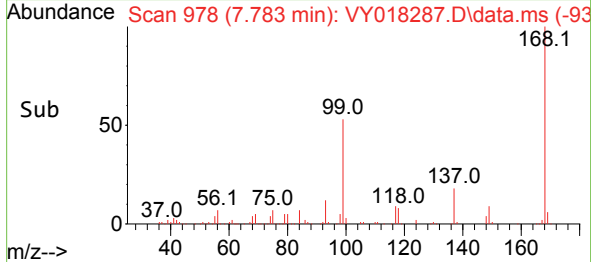
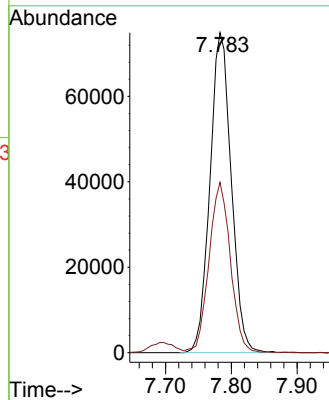
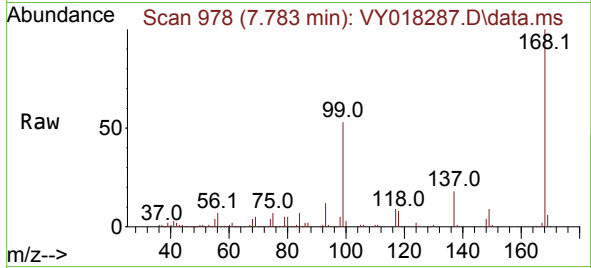
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

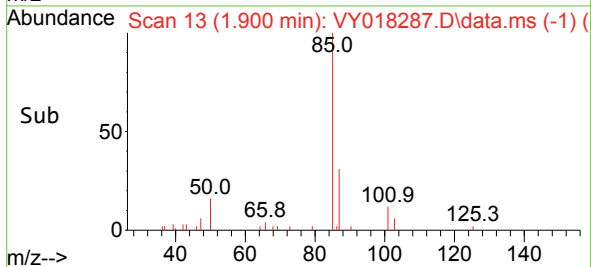
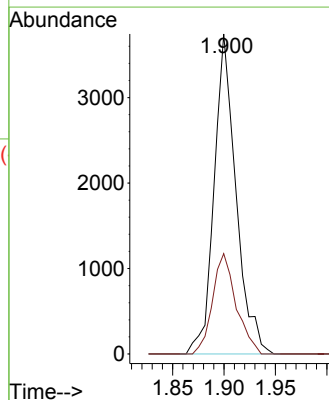
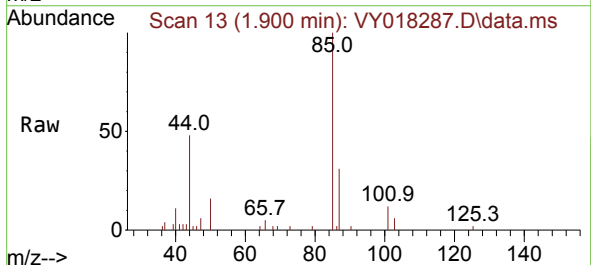
Instrument :
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MDL-SOIL-03-QT2-2024

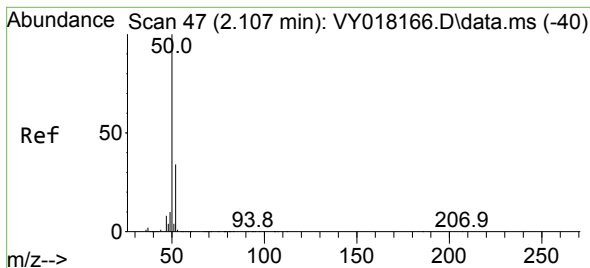
Tgt Ion:168 Resp: 169080
Ion Ratio Lower Upper
168 100
99 53.1 39.1 58.7



#2
Dichlorodifluoromethane
Concen: 4.138 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 85 Resp: 5548
Ion Ratio Lower Upper
85 100
87 31.4 16.0 48.0





#3

Chloromethane

Concen: 4.740 ug/l

RT: 2.107 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

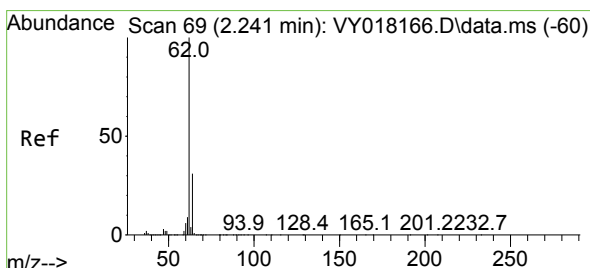
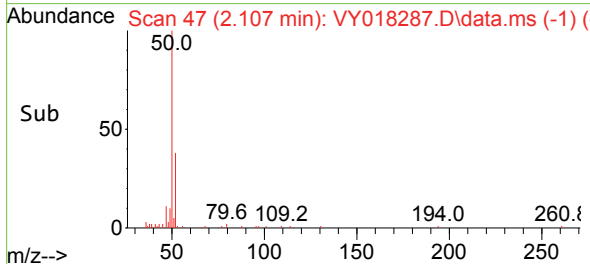
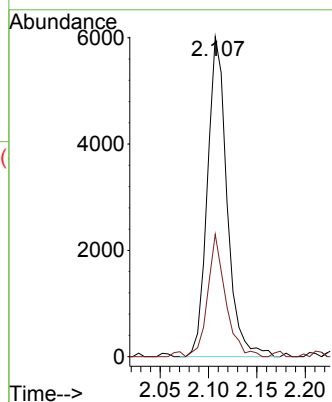
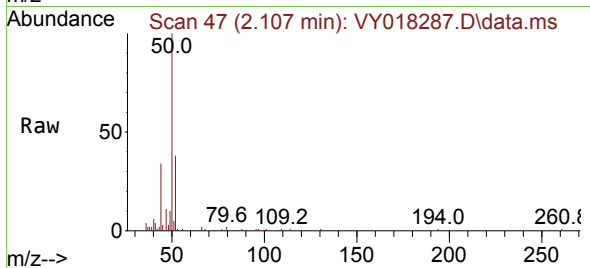
MDL-SOIL-03-QT2-2024

Tgt Ion: 50 Resp: 8508

Ion Ratio Lower Upper

50 100

52 36.7 25.6 38.4



#4

Vinyl Chloride

Concen: 4.617 ug/l

RT: 2.247 min Scan# 70

Delta R.T. 0.006 min

Lab File: VY018287.D

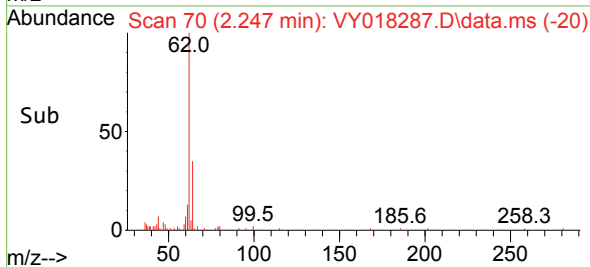
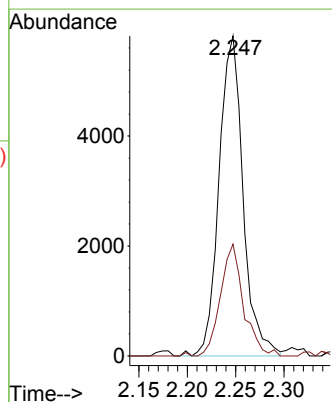
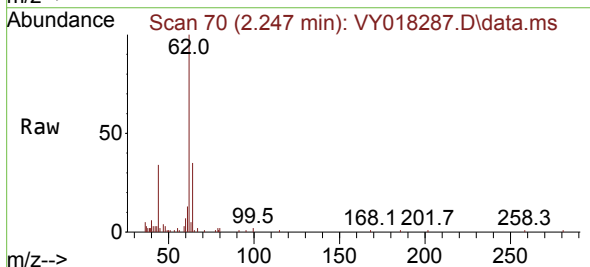
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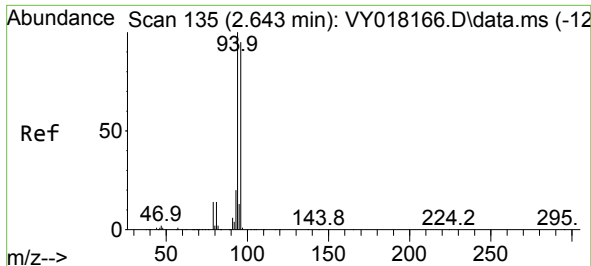
Tgt Ion: 62 Resp: 10045

Ion Ratio Lower Upper

62 100

64 35.0 26.1 39.1

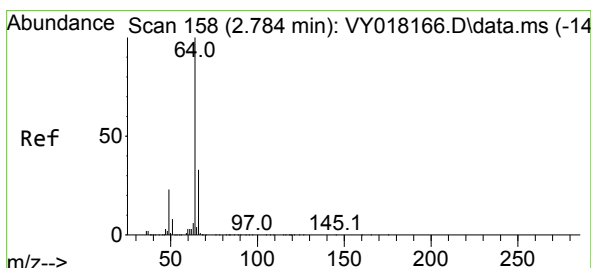
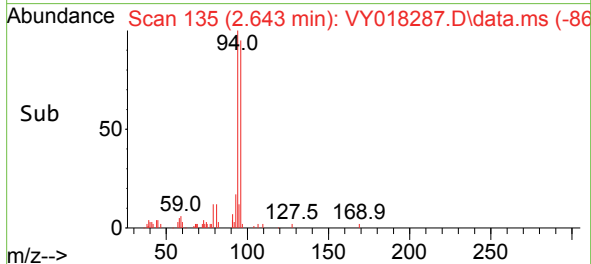
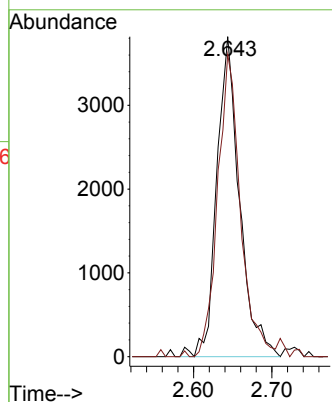
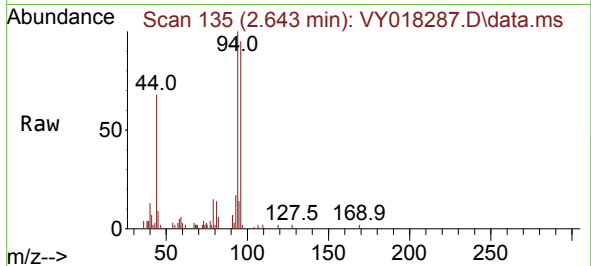




#5
Bromomethane
Concen: 5.110 ug/l
RT: 2.643 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

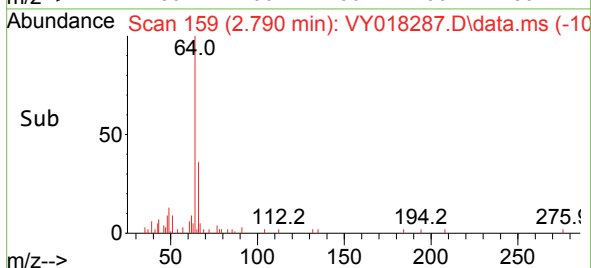
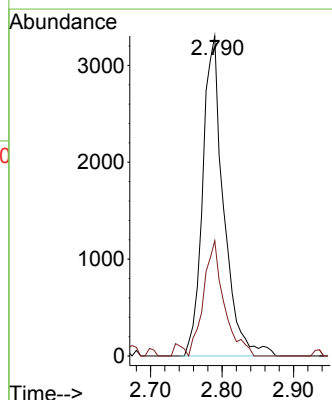
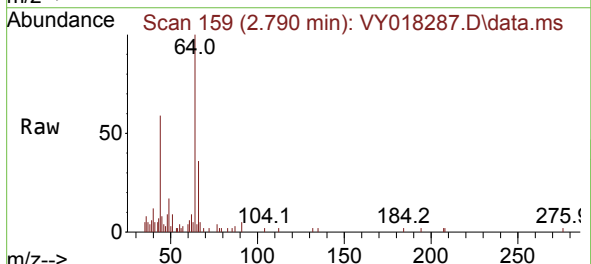
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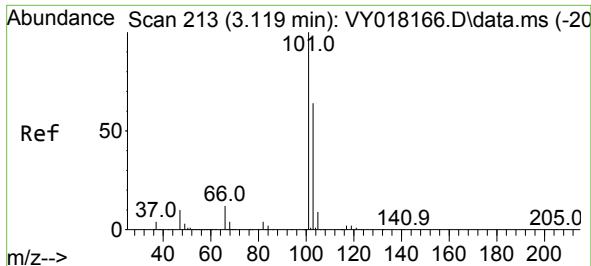
Tgt Ion: 94 Resp: 7722
Ion Ratio Lower Upper
94 100
96 94.5 74.1 111.1



#6
Chloroethane
Concen: 4.870 ug/l
RT: 2.790 min Scan# 159
Delta R.T. 0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 64 Resp: 6725
Ion Ratio Lower Upper
64 100
66 36.0 26.1 39.1

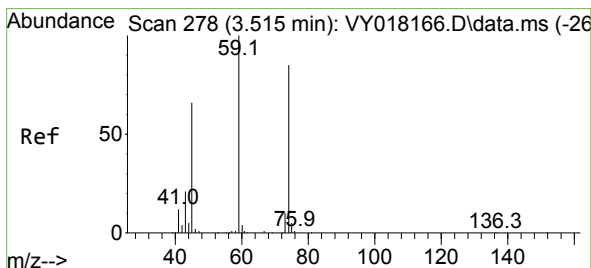
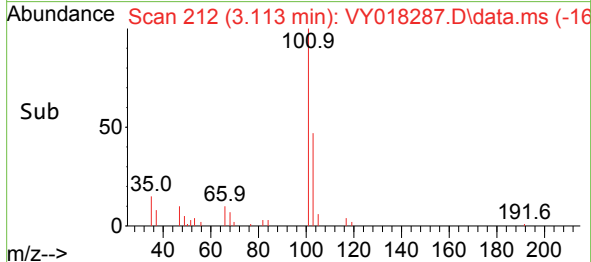
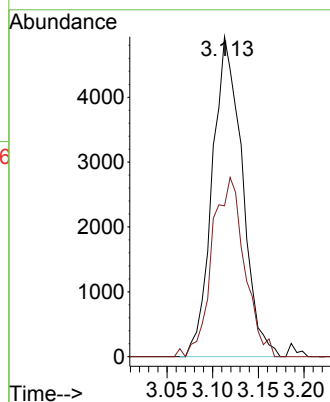
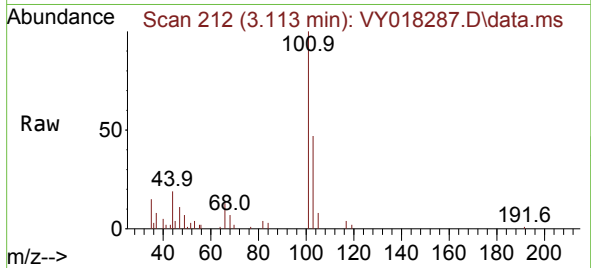




#7
 Trichlorofluoromethane
 Concen: 4.396 ug/l
 RT: 3.113 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VY018287.D
 Acq: 16 May 2024 15:36

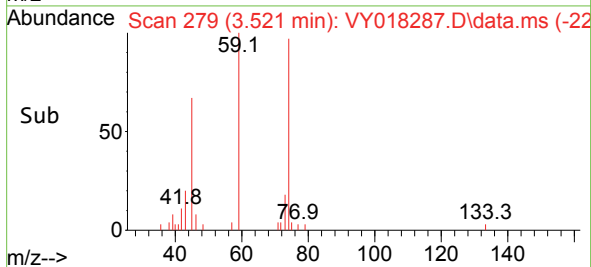
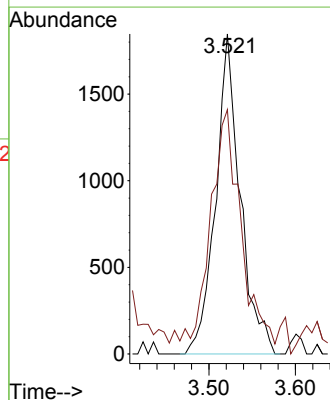
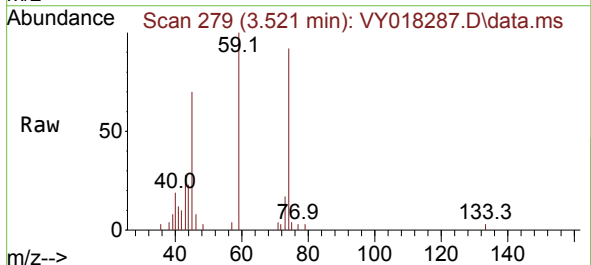
Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT2-2024

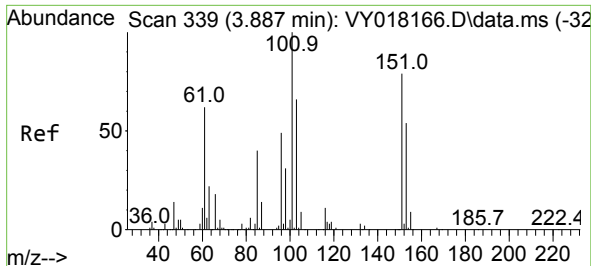
Tgt Ion: 101 Resp: 11204
 Ion Ratio Lower Upper
 101 100
 103 47.2 49.3 73.9#



#8
 Diethyl Ether
 Concen: 4.321 ug/l
 RT: 3.521 min Scan# 279
 Delta R.T. 0.006 min
 Lab File: VY018287.D
 Acq: 16 May 2024 15:36

Tgt Ion: 74 Resp: 3625
 Ion Ratio Lower Upper
 74 100
 45 100.1 41.3 124.1

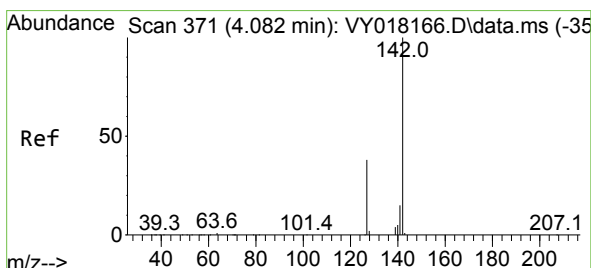
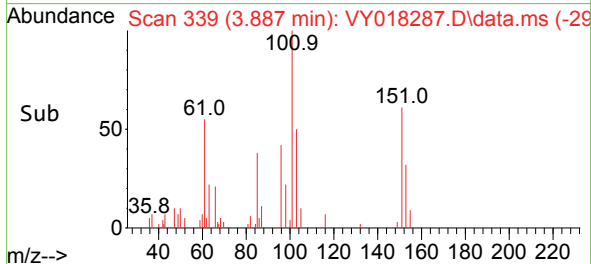
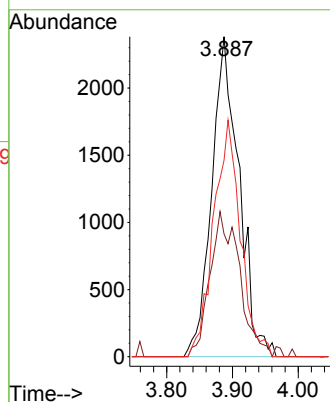
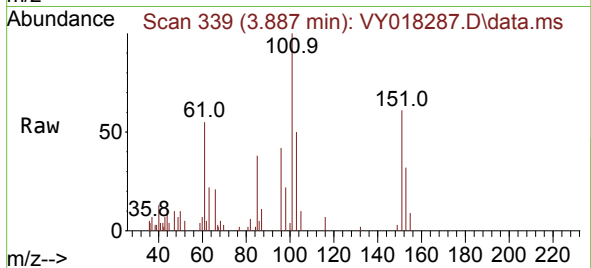




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.242 ug/l
RT: 3.887 min Scan# 339
Delta R.T. -0.000 min
Lab File: VY018287.D
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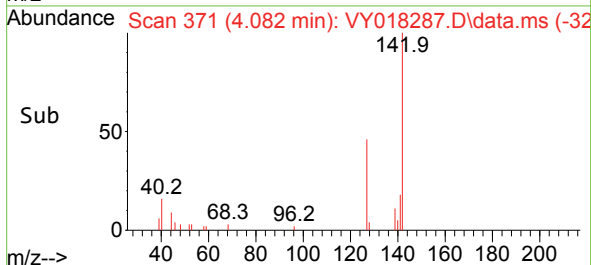
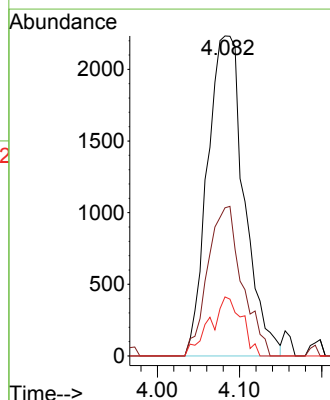
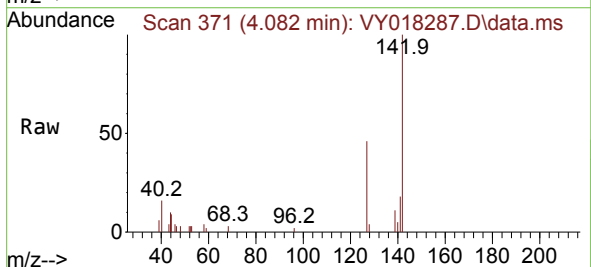
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

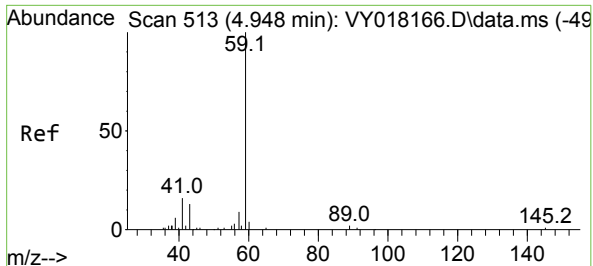
Tgt Ion:101 Resp: 6890
Ion Ratio Lower Upper
101 100
85 49.2 34.5 51.7
151 72.5 61.7 92.5



#10
Methyl Iodide
Concen: 3.656 ug/l
RT: 4.082 min Scan# 371
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion:142 Resp: 6934
Ion Ratio Lower Upper
142 100
127 43.8 32.8 49.2
141 16.2 11.4 17.2

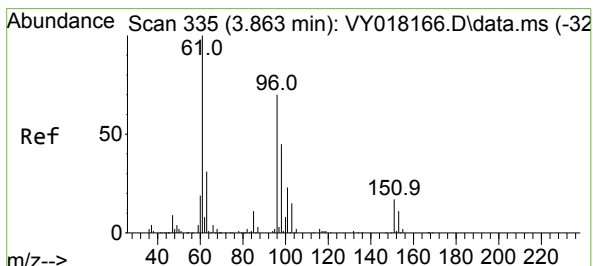
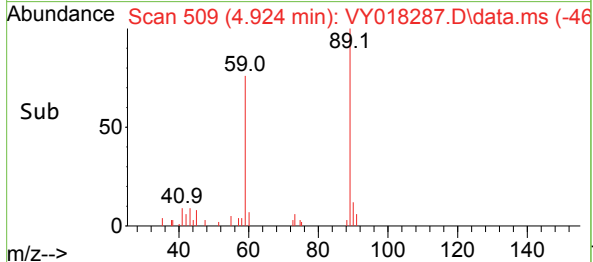
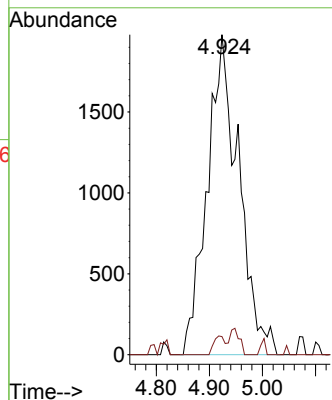
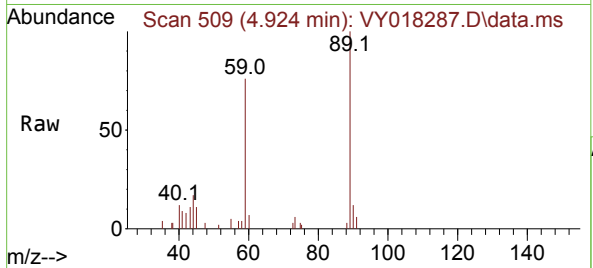




#11
Tert butyl alcohol
Concen: 65.816 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

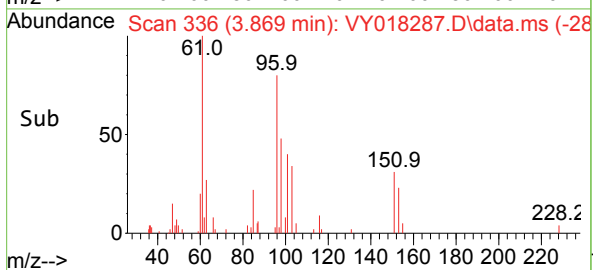
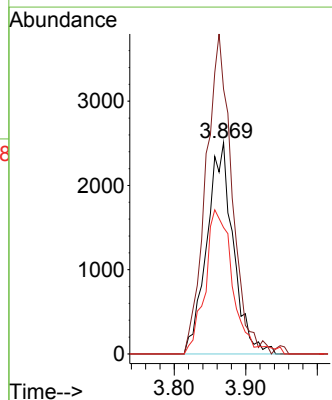
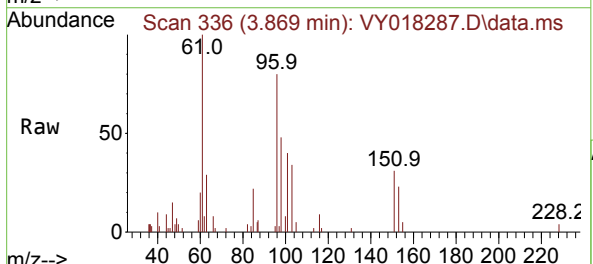
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

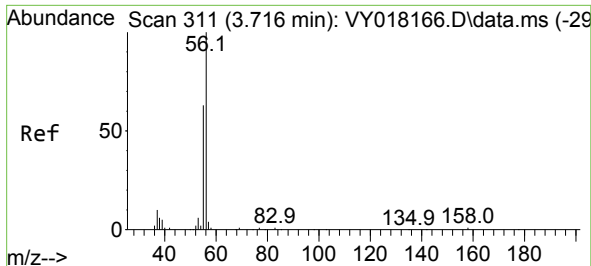
Tgt Ion: 59 Resp: 8183
Ion Ratio Lower Upper
59 100
57 2.0 3.0 4.6#



#12
1,1-Dichloroethene
Concen: 3.929 ug/l
RT: 3.869 min Scan# 336
Delta R.T. 0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 96 Resp: 6424
Ion Ratio Lower Upper
96 100
61 125.3 114.6 171.8
98 59.8 50.8 76.2





#13

Acrolein

Concen: 34.688 ug/l

RT: 3.716 min Scan# 311

Delta R.T. 0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

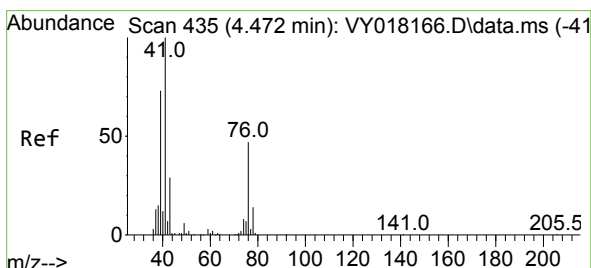
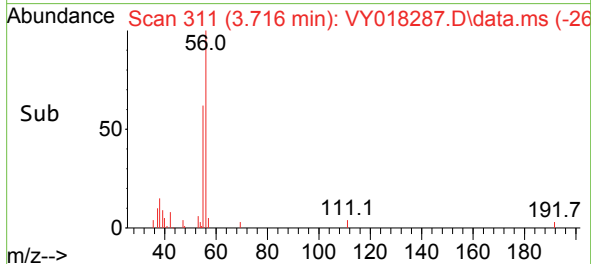
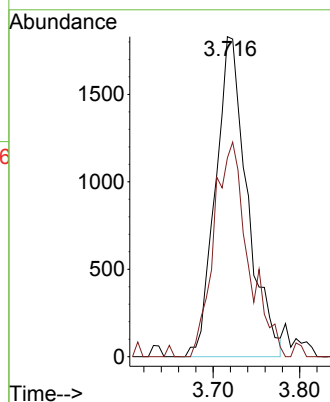
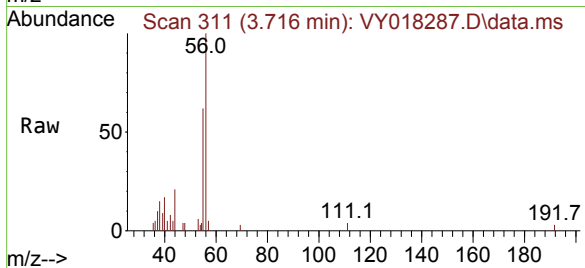
MDL-SOIL-03-QT2-2024

Tgt Ion: 56 Resp: 4651

Ion Ratio Lower Upper

56 100

55 72.7 55.7 83.5



#14

Allyl chloride

Concen: 3.789 ug/l

RT: 4.466 min Scan# 434

Delta R.T. -0.006 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

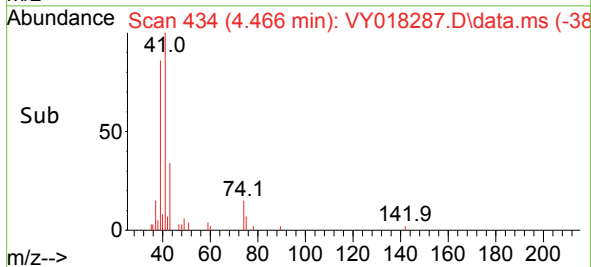
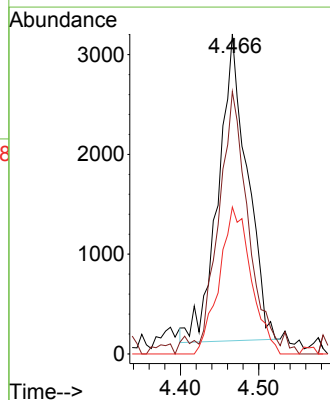
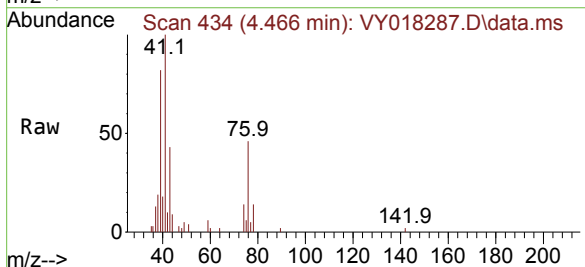
Tgt Ion: 41 Resp: 7882

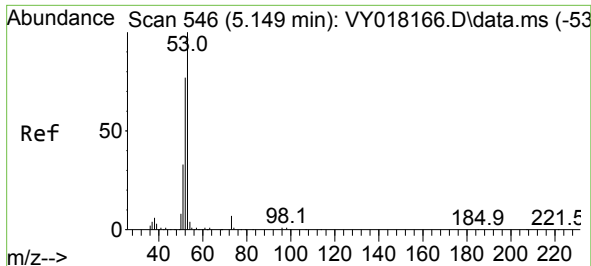
Ion Ratio Lower Upper

41 100

39 79.2 58.3 87.5

76 52.6 39.0 58.6

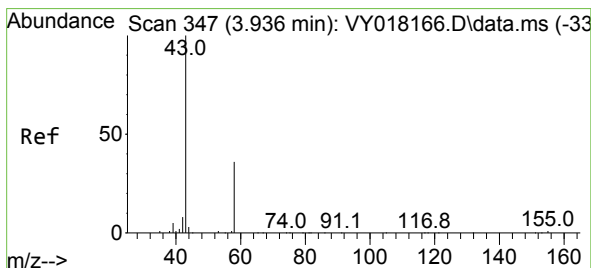
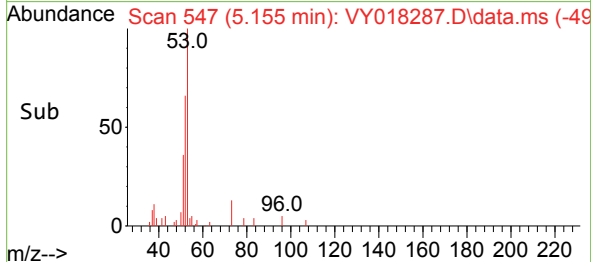
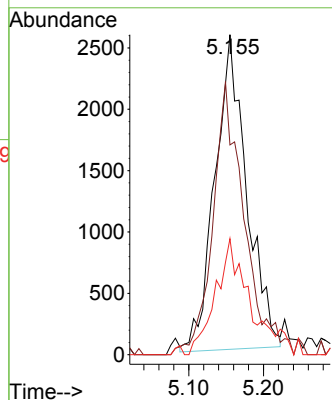
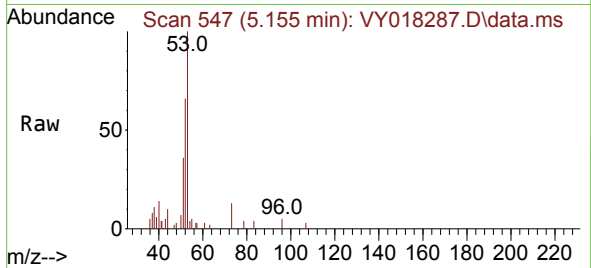




#15
Acrylonitrile
Concen: 23.499 ug/l
RT: 5.155 min Scan# 546
Delta R.T. 0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

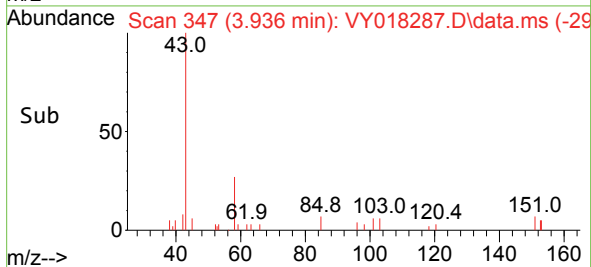
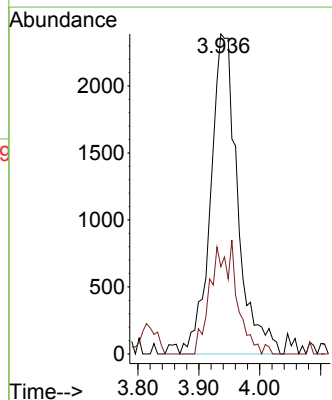
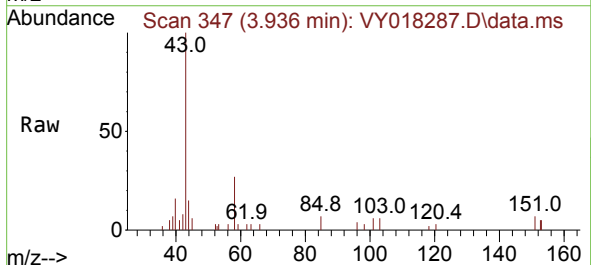
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

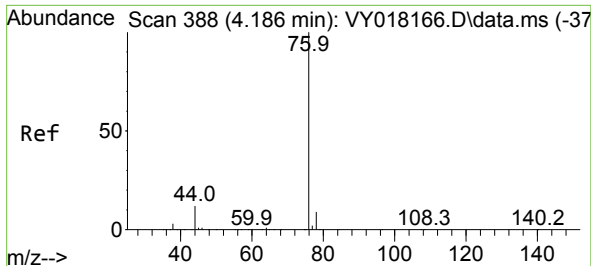
Tgt Ion: 53 Resp: 7582
Ion Ratio Lower Upper
53 100
52 85.5 64.7 97.1
51 39.9 28.4 42.6



#16
Acetone
Concen: 29.614 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 43 Resp: 7351
Ion Ratio Lower Upper
43 100
58 27.3 31.7 47.5#





#17

Carbon Disulfide

Concen: 4.083 ug/l

RT: 4.186 min Scan# 388

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

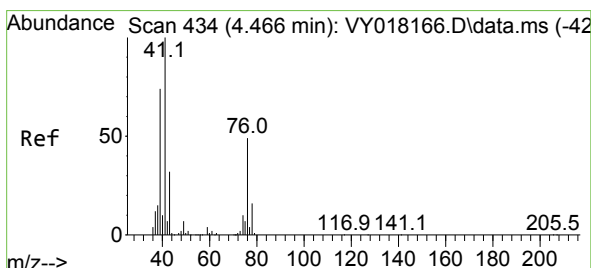
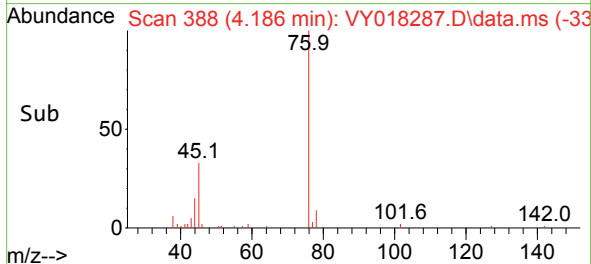
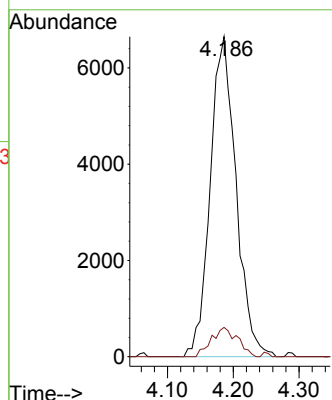
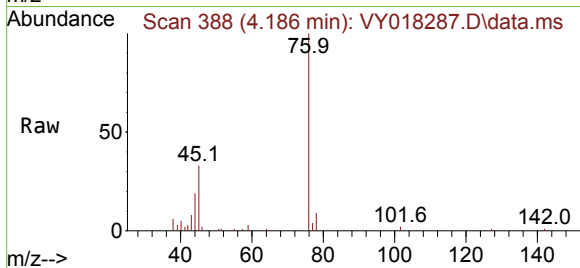
MDL-SOIL-03-QT2-2024

Tgt Ion: 76 Resp: 18176

Ion Ratio Lower Upper

76 100

78 9.2 6.8 10.2



#18

Methyl Acetate

Concen: 6.431 ug/l

RT: 4.466 min Scan# 434

Delta R.T. -0.000 min

Lab File: VY018287.D

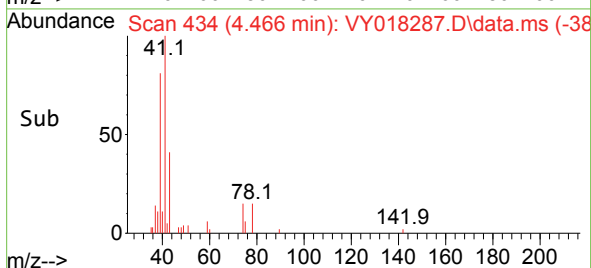
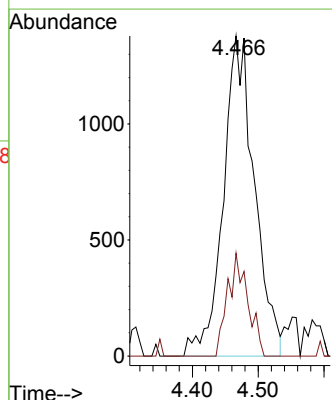
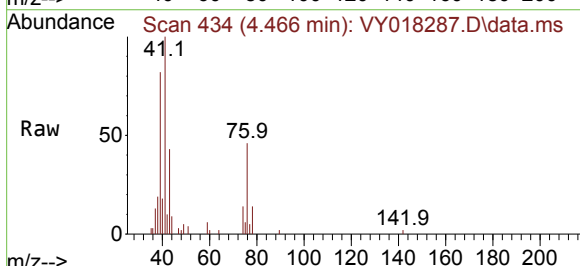
Acq: 16 May 2024 15:36

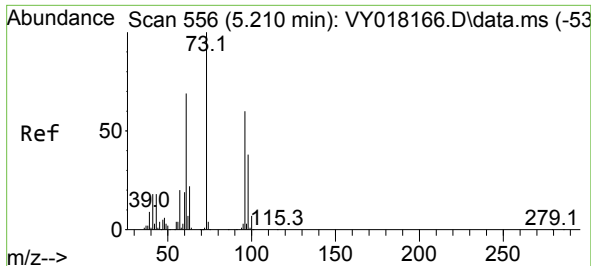
Tgt Ion: 43 Resp: 4547

Ion Ratio Lower Upper

43 100

74 20.9 23.3 34.9#





#19

Methyl tert-butyl Ether

Concen: 4.372 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

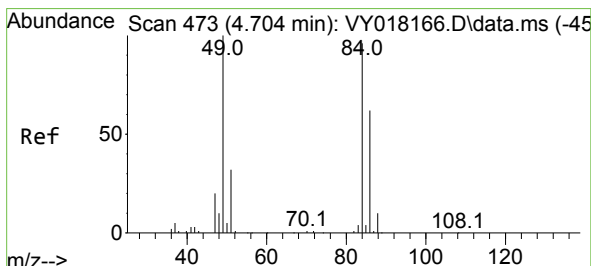
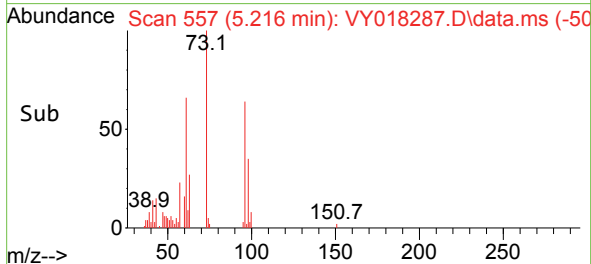
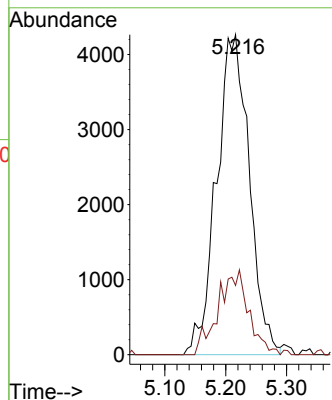
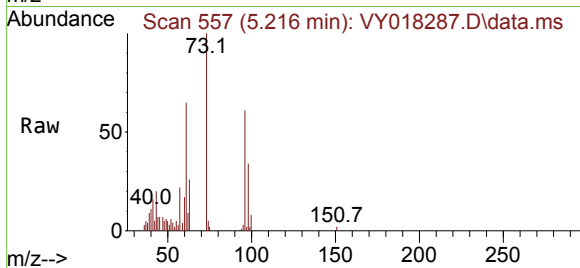
MDL-SOIL-03-QT2-2024

Tgt Ion: 73 Resp: 15924

Ion Ratio Lower Upper

73 100

57 21.6 17.3 25.9



#20

Methylene Chloride

Concen: 9.662 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Tgt Ion: 84 Resp: 16952

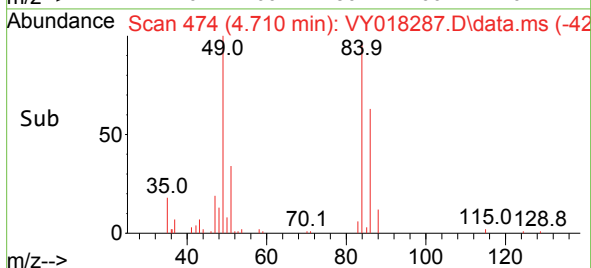
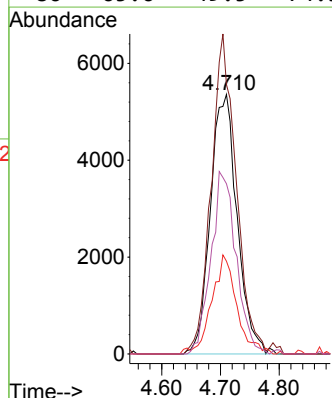
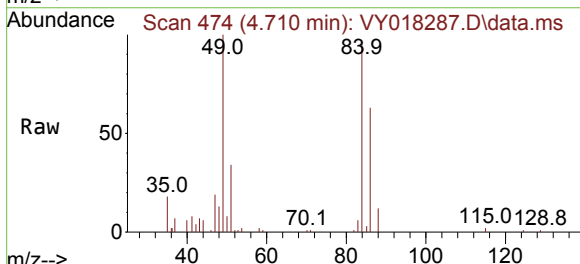
Ion Ratio Lower Upper

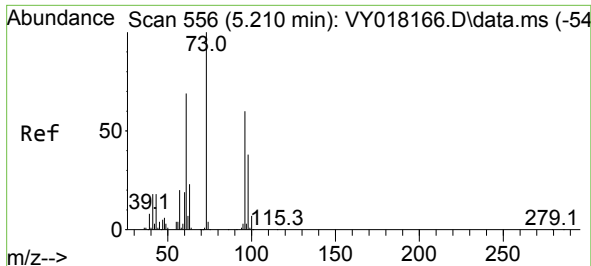
84 100

49 103.8 84.4 126.6

51 35.8 26.0 39.0

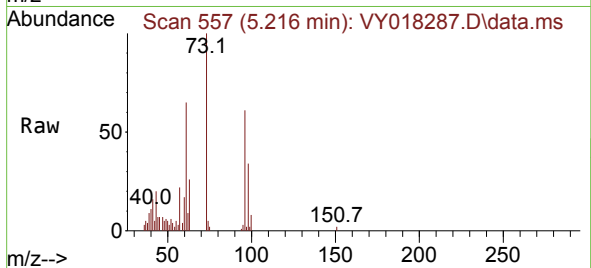
86 65.6 49.5 74.3



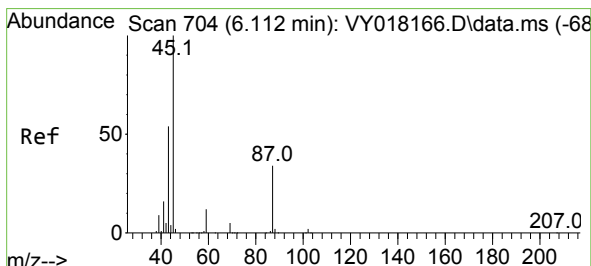
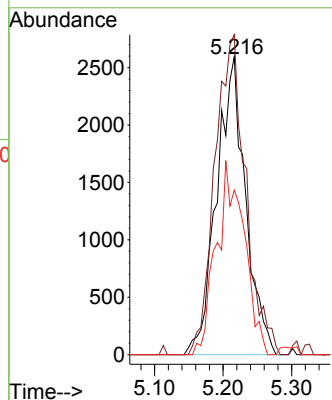
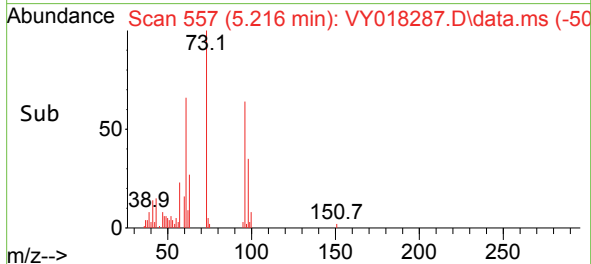


#21
trans-1,2-Dichloroethene
Concen: 4.359 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

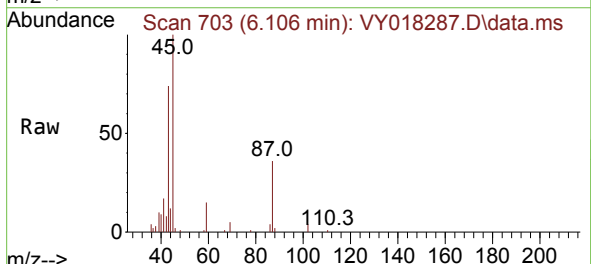
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024



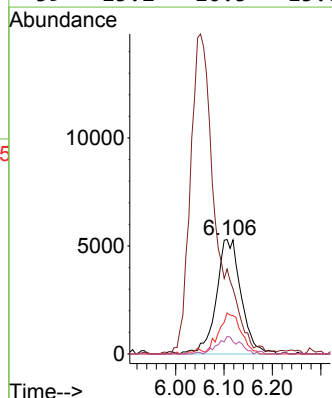
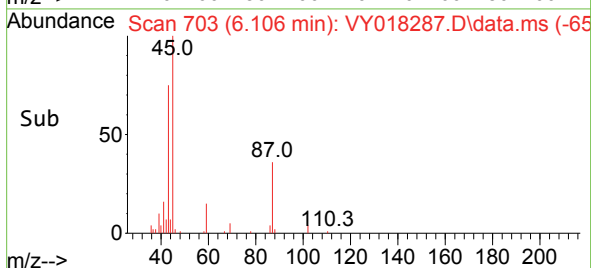
Tgt Ion: 96 Resp: 7556
Ion Ratio Lower Upper
96 100
61 107.4 97.5 146.3
98 55.2 50.5 75.7

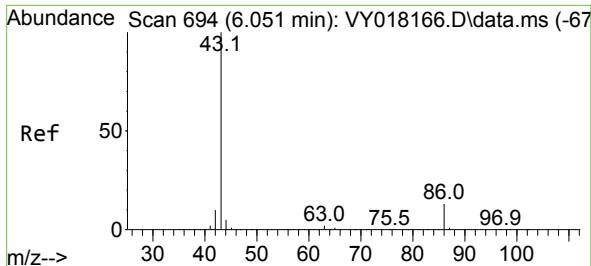


#22
Diisopropyl ether
Concen: 4.277 ug/l
RT: 6.106 min Scan# 703
Delta R.T. -0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36



Tgt Ion: 45 Resp: 18872
Ion Ratio Lower Upper
45 100
43 71.0 42.2 63.2#
87 35.8 25.0 37.6
59 15.2 10.5 15.7

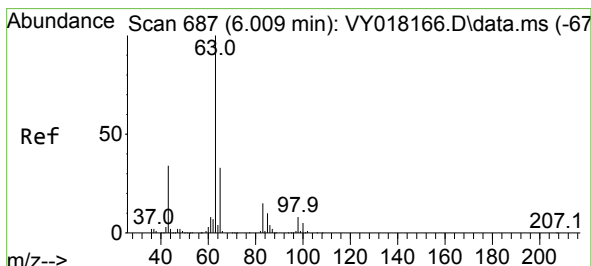
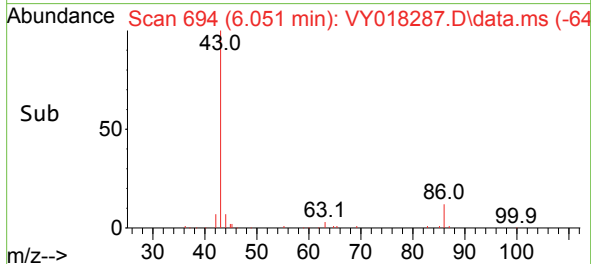
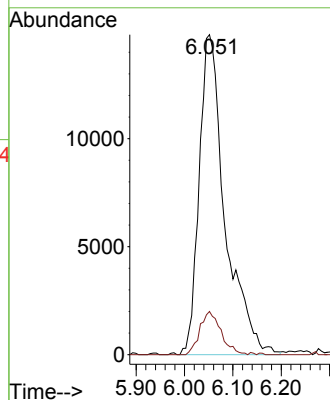
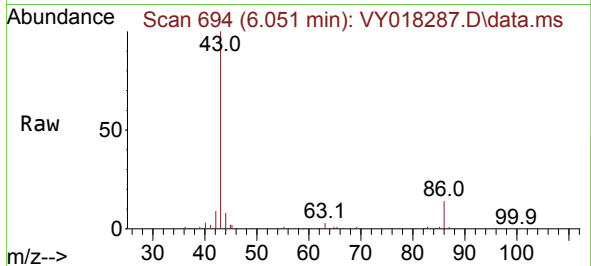




#23
 Vinyl Acetate
 Concen: 20.546 ug/l
 RT: 6.051 min Scan# 694
 Delta R.T. -0.000 min
 Lab File: VY018287.D
 Acq: 16 May 2024 15:36

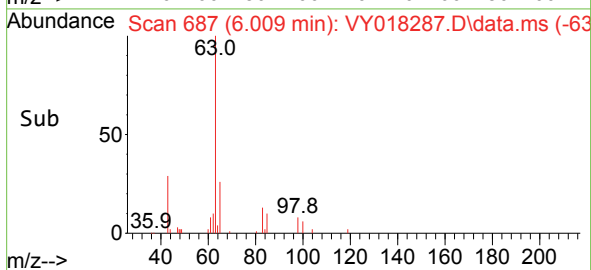
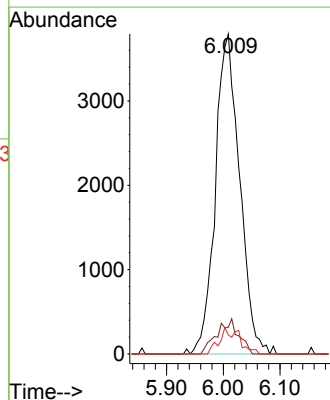
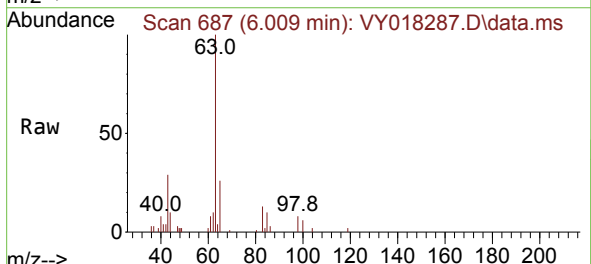
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

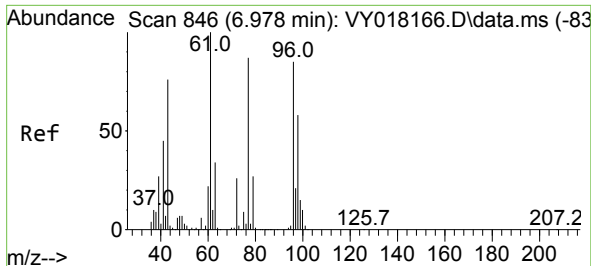
Tgt Ion: 43 Resp: 55105
 Ion Ratio Lower Upper
 43 100
 86 13.5 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 4.156 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.000 min
 Lab File: VY018287.D
 Acq: 16 May 2024 15:36

Tgt Ion: 63 Resp: 11295
 Ion Ratio Lower Upper
 63 100
 98 8.3 4.0 12.2
 100 5.9 2.6 8.0

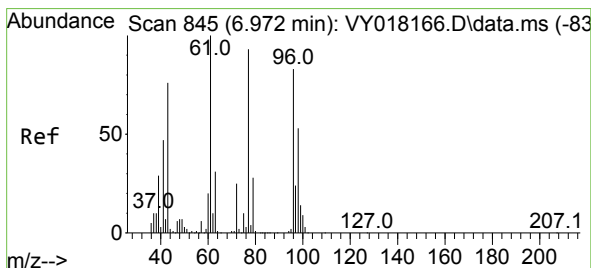
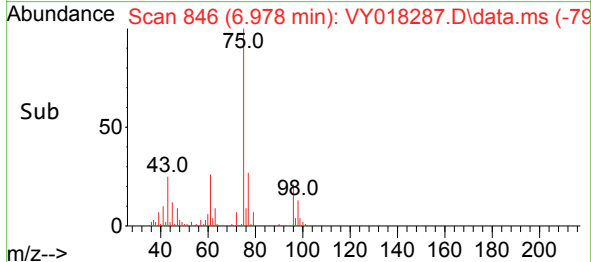
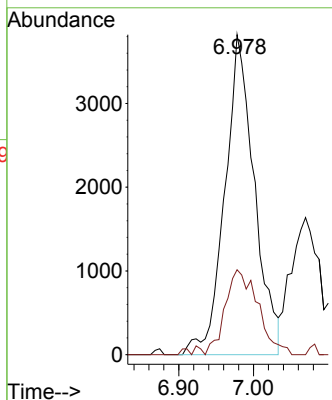
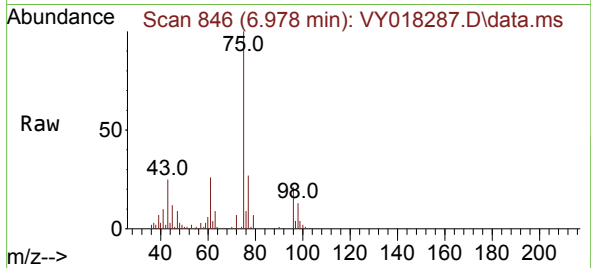




#25
2-Butanone
Concen: 26.447 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

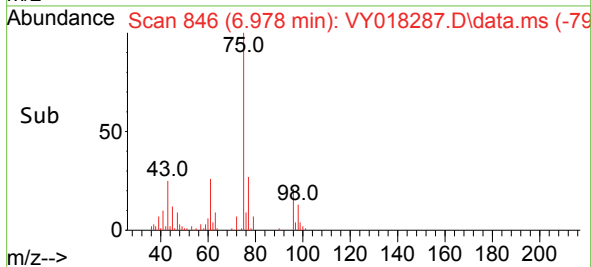
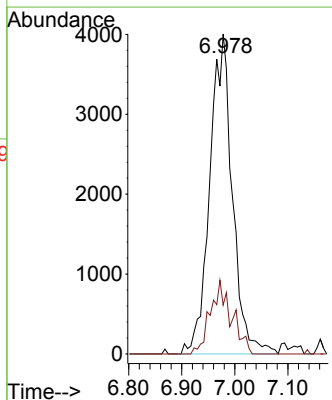
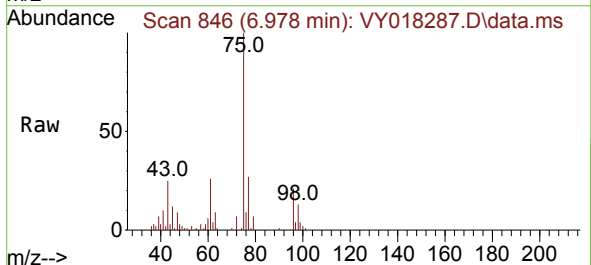
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

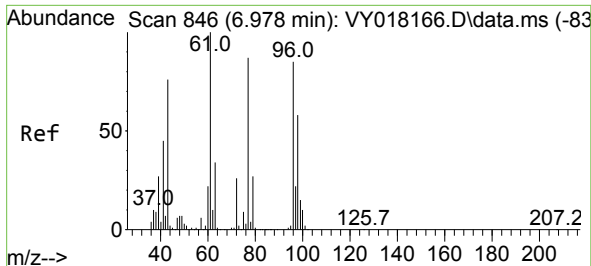
Tgt Ion: 43 Resp: 10494
Ion Ratio Lower Upper
43 100
72 26.5 27.3 40.9#



#26
2,2-Dichloropropane
Concen: 4.827 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 77 Resp: 11874
Ion Ratio Lower Upper
77 100
97 21.6 12.0 36.1

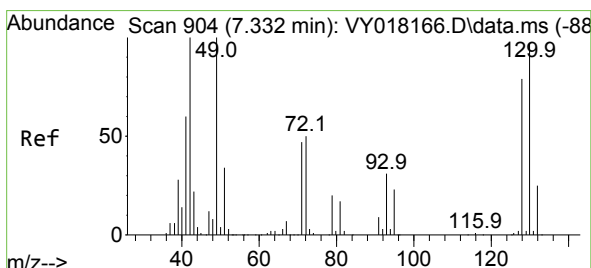
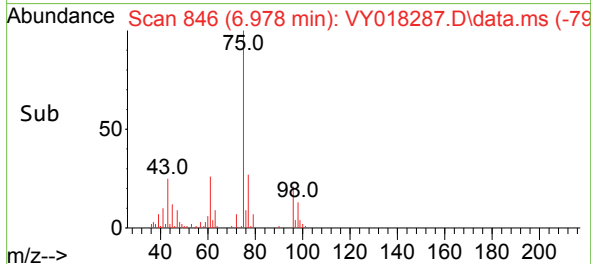
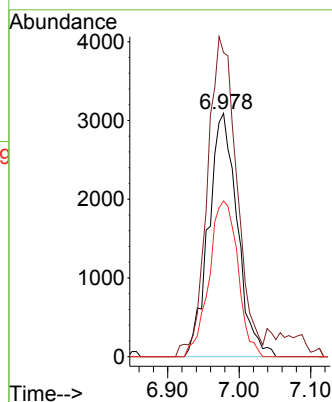
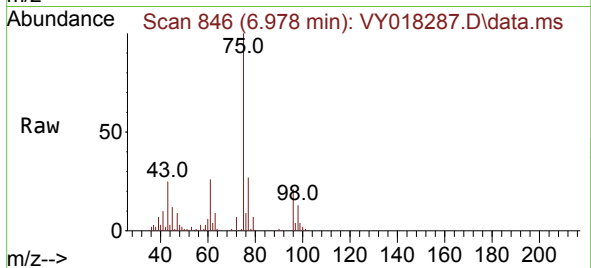




#27
 cis-1,2-Dichloroethene
 Concen: 4.204 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. -0.000 min
 Lab File: VY018287.D
 Acq: 16 May 2024 15:36

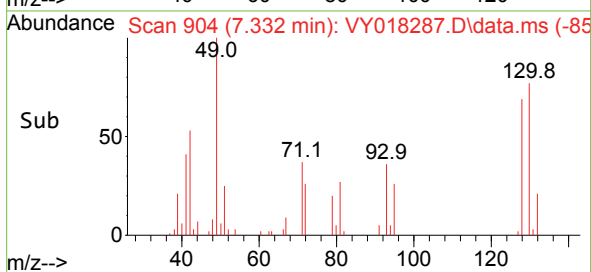
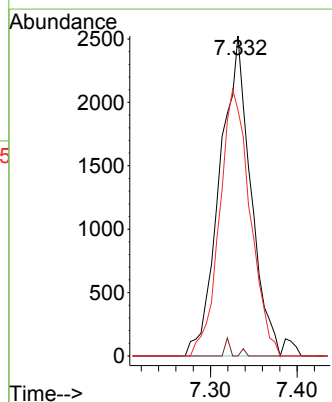
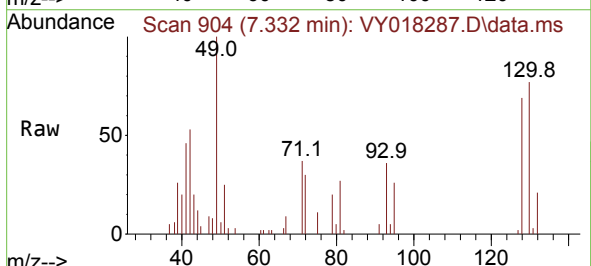
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

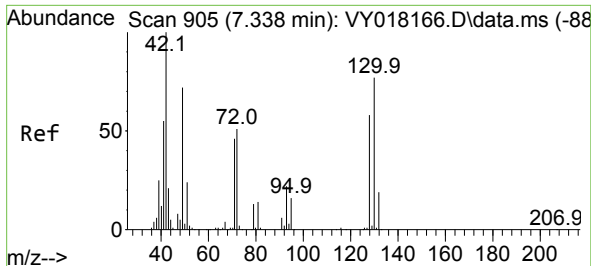
Tgt Ion:	96	Resp:	8611
Ion	Ratio	Lower	Upper
96	100		
61	134.8	0.0	256.2
98	64.1	0.0	130.0



#28
 Bromochloromethane
 Concen: 5.756 ug/l
 RT: 7.332 min Scan# 904
 Delta R.T. -0.000 min
 Lab File: VY018287.D
 Acq: 16 May 2024 15:36

Tgt Ion:	49	Resp:	6253
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	4.6
130	82.6	72.7	109.1





#29

Tetrahydrofuran

Concen: 24.851 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

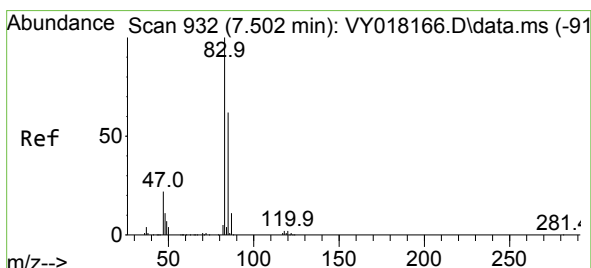
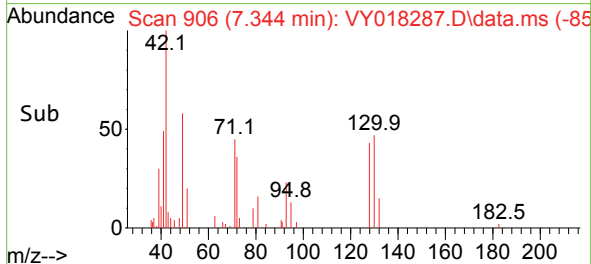
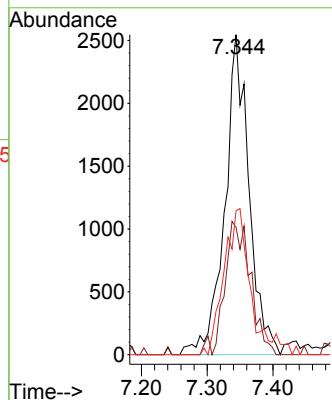
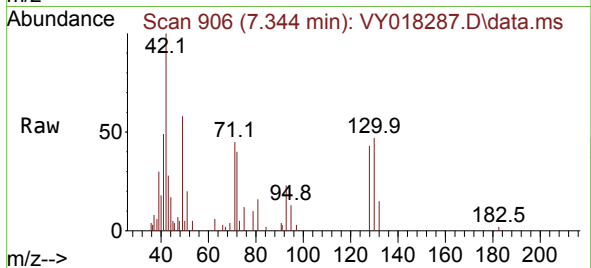
Tgt Ion: 42 Resp: 6509

Ion Ratio Lower Upper

42 100

72 44.6 43.0 64.4

71 47.7 40.8 61.2



#30

Chloroform

Concen: 4.229 ug/l

RT: 7.496 min Scan# 931

Delta R.T. -0.006 min

Lab File: VY018287.D

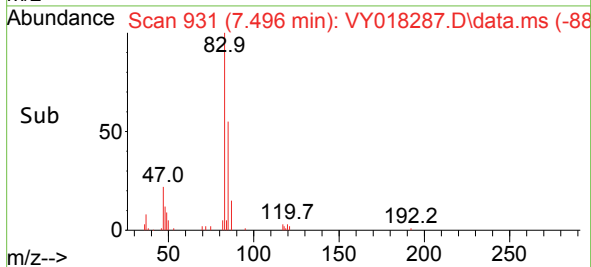
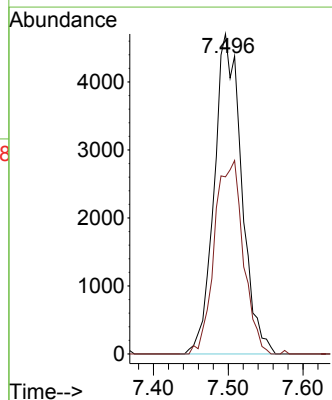
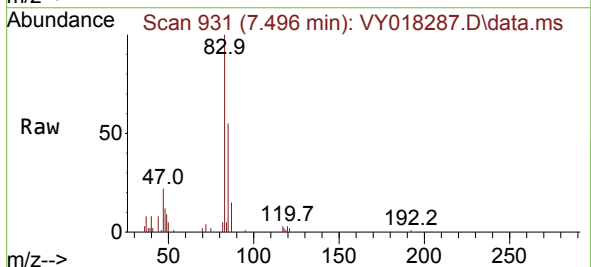
Acq: 16 May 2024 15:36

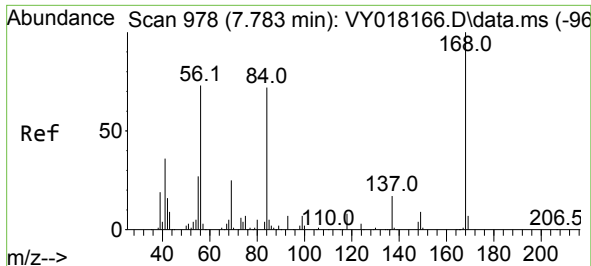
Tgt Ion: 83 Resp: 11998

Ion Ratio Lower Upper

83 100

85 55.3 52.2 78.4

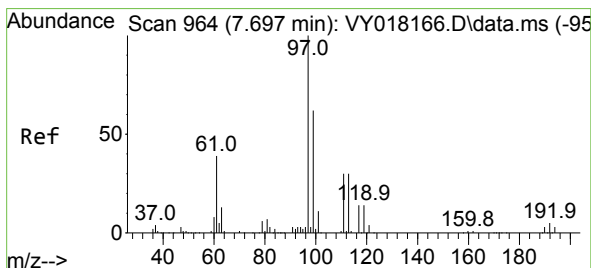
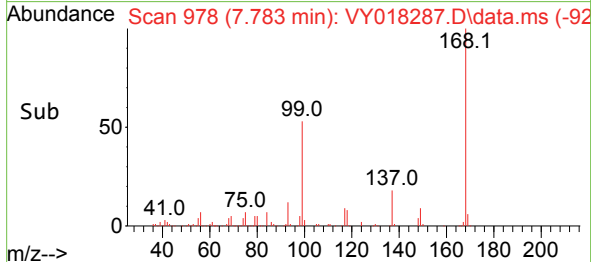
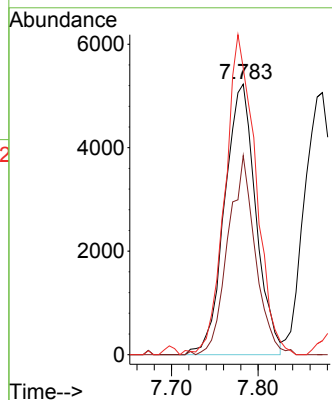
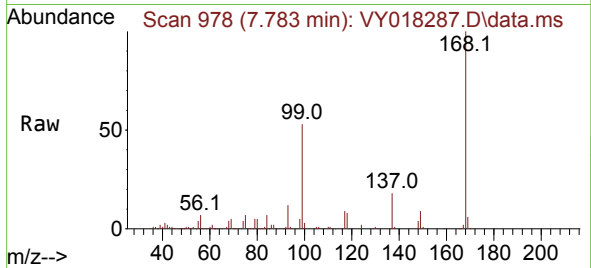




#31
Cyclohexane
Concen: 5.076 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

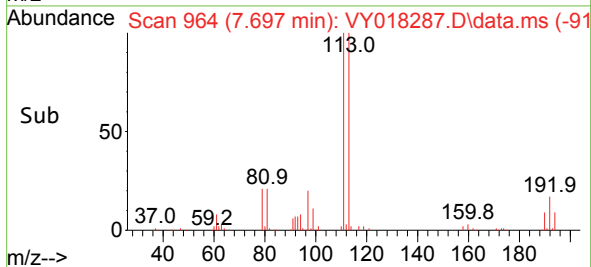
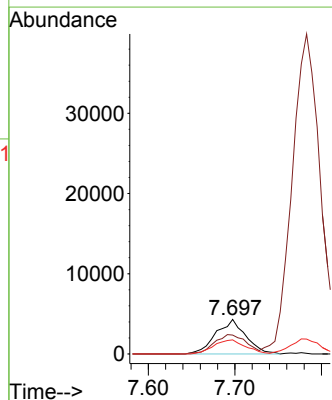
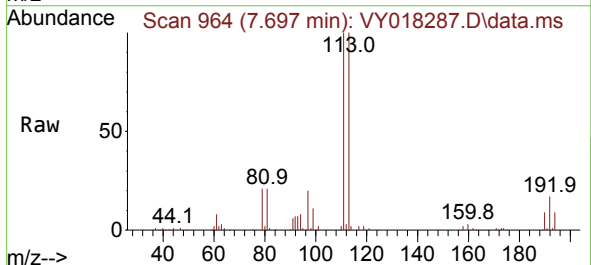
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

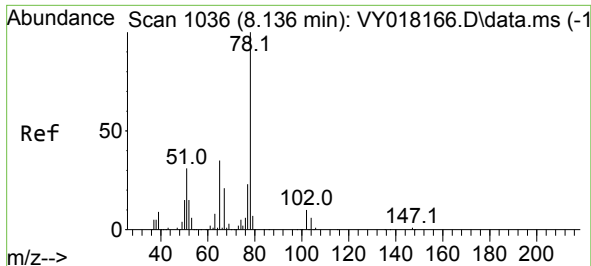
Tgt Ion: 56 Resp: 13096
Ion Ratio Lower Upper
56 100
69 73.6 28.7 43.1#
84 105.9 77.7 116.5



#32
1,1,1-Trichloroethane
Concen: 4.056 ug/l
RT: 7.697 min Scan# 964
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 97 Resp: 10314
Ion Ratio Lower Upper
97 100
99 60.1 50.3 75.5
61 43.4 32.6 48.8

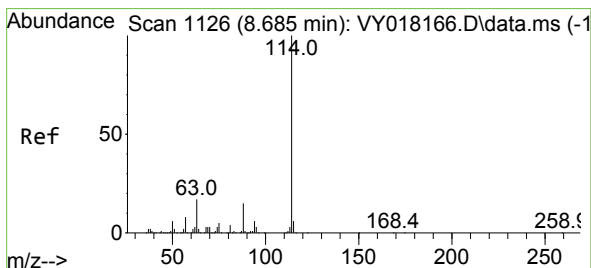
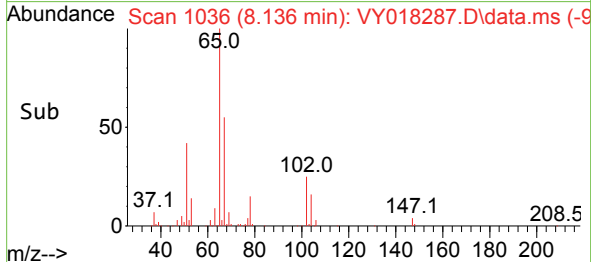
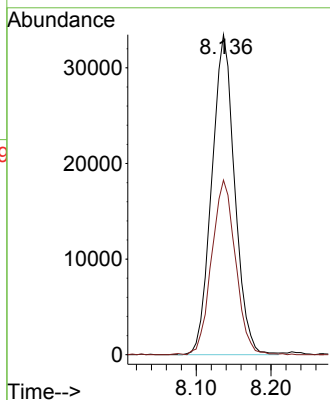
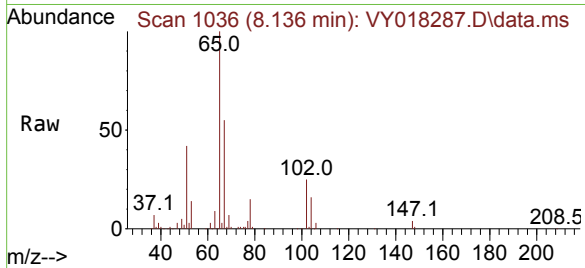




#33
 1,2-Dichloroethane-d4
 Concen: 57.385 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY018287.D
 Acq: 16 May 2024 15:36

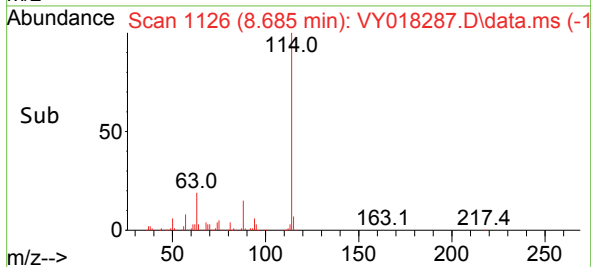
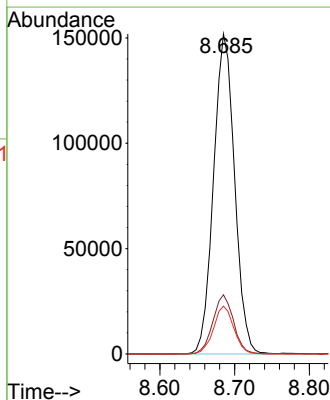
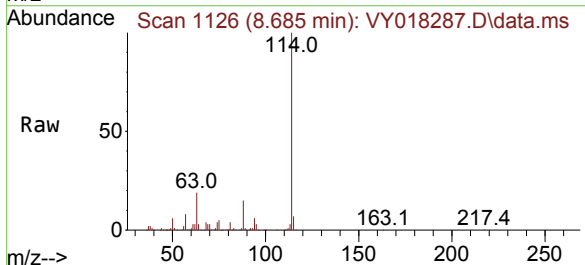
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

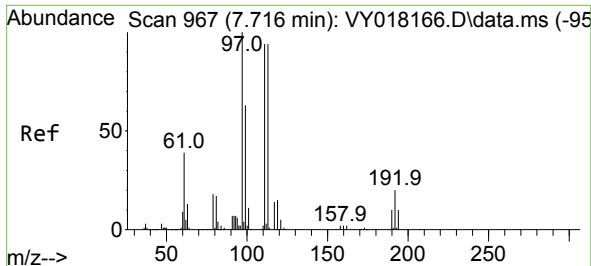
Tgt Ion: 65 Resp: 71379
 Ion Ratio Lower Upper
 65 100
 67 56.9 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY018287.D
 Acq: 16 May 2024 15:36

Tgt Ion: 114 Resp: 297608
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 35.0
 88 15.0 0.0 27.2

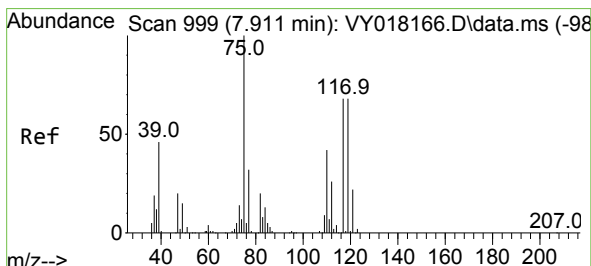
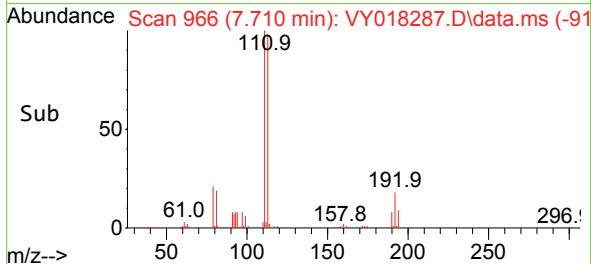
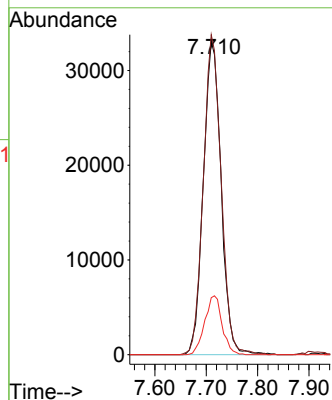
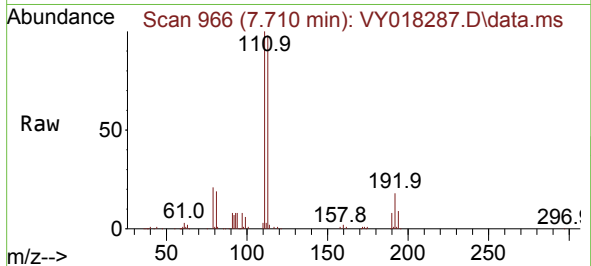




#35
Dibromofluoromethane
Concen: 50.923 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

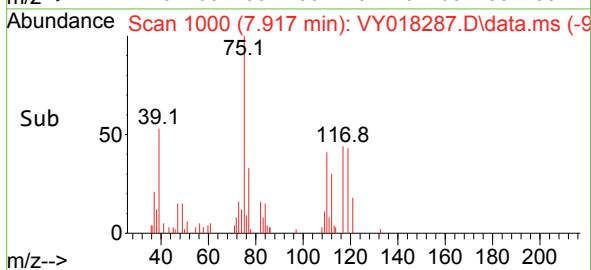
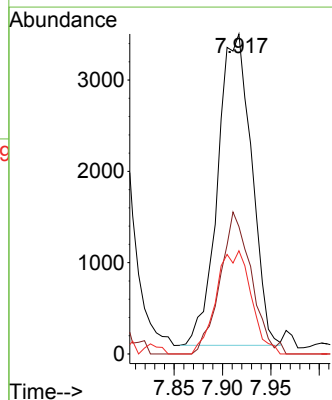
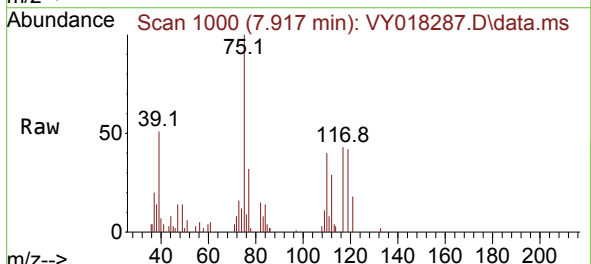
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

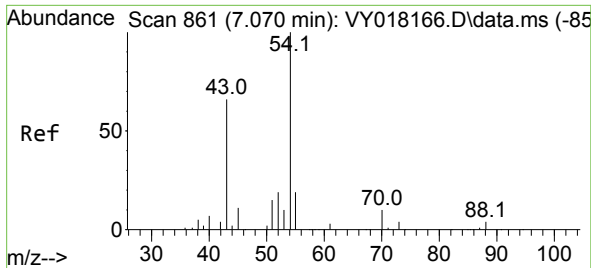
Tgt Ion:113 Resp: 79647
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 18.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 3.692 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 75 Resp: 8278
Ion Ratio Lower Upper
75 100
110 42.1 19.0 57.0
77 34.3 25.3 37.9

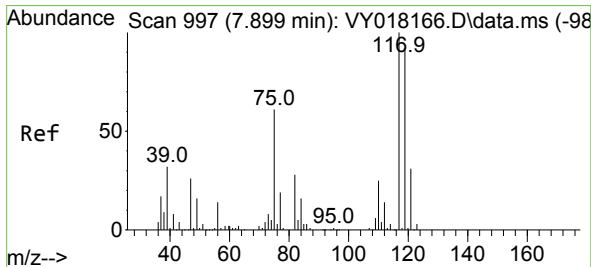
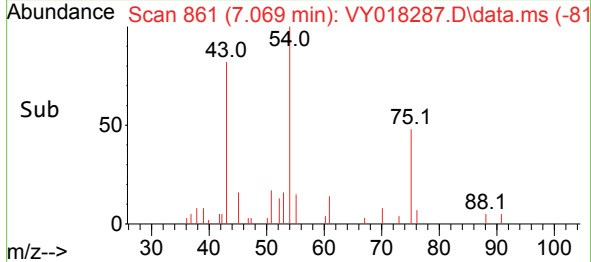
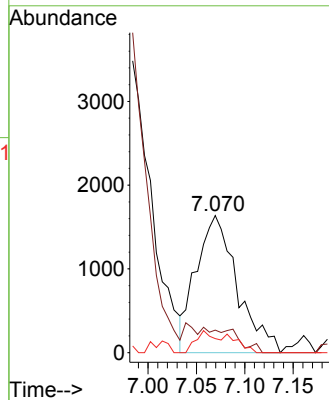
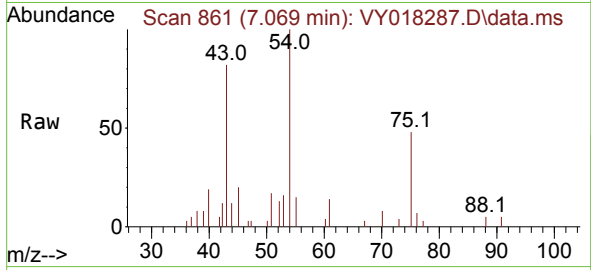




#37
Ethyl Acetate
Concen: 5.129 ug/l
RT: 7.069 min Scan# 861
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

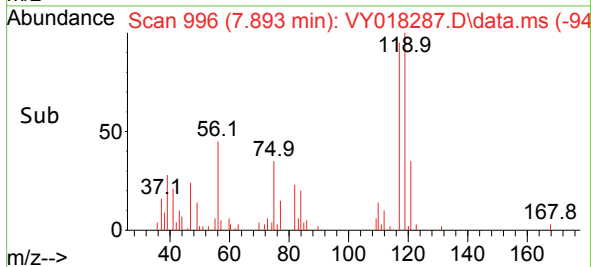
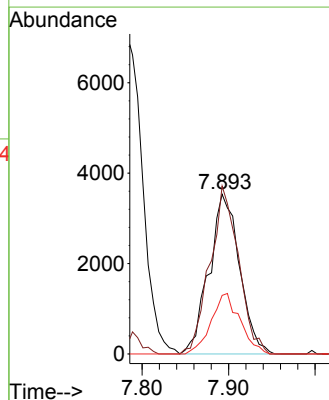
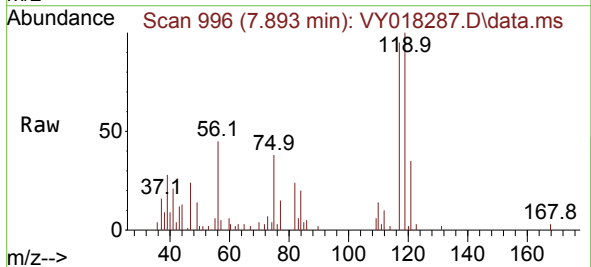
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

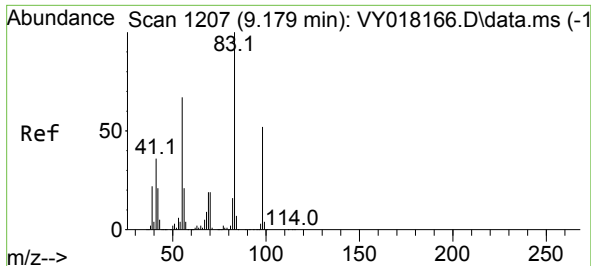
Tgt Ion: 43 Resp: 4840
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 8.0 7.8 11.8



#38
Carbon Tetrachloride
Concen: 3.539 ug/l
RT: 7.893 min Scan# 996
Delta R.T. -0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 117 Resp: 8671
Ion Ratio Lower Upper
117 100
119 105.2 75.8 113.6
121 36.7 24.0 36.0#





#39

Methylcyclohexane

Concen: 3.704 ug/l

RT: 9.179 min Scan# 11980

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

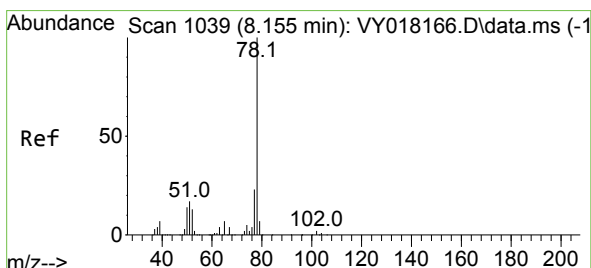
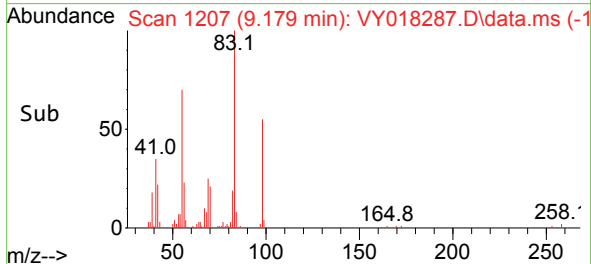
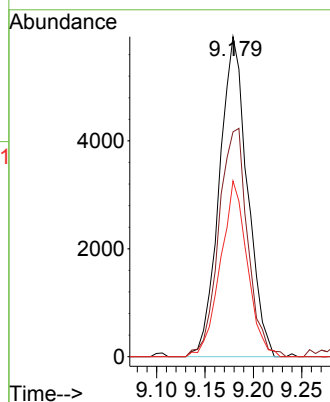
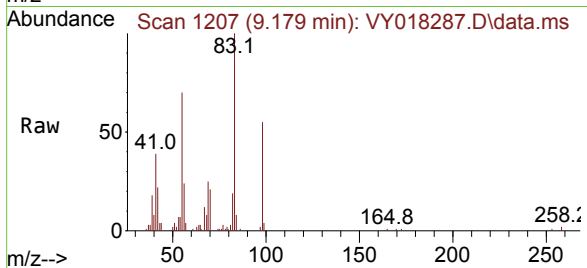
Tgt Ion: 83 Resp: 11980

Ion Ratio Lower Upper

83 100

55 70.3 51.5 77.3

98 54.9 40.5 60.7



#40

Benzene

Concen: 3.930 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY018287.D

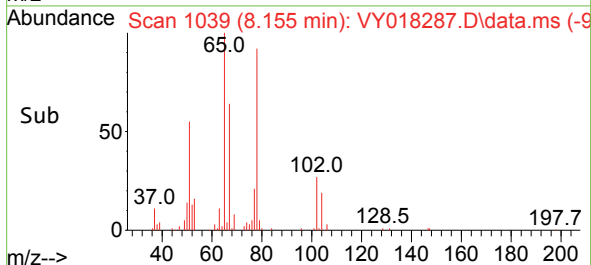
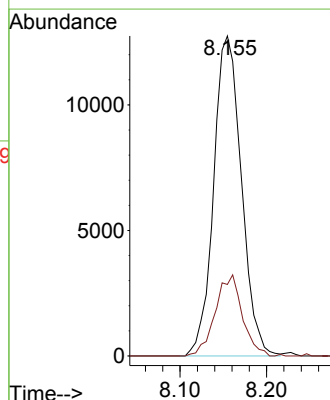
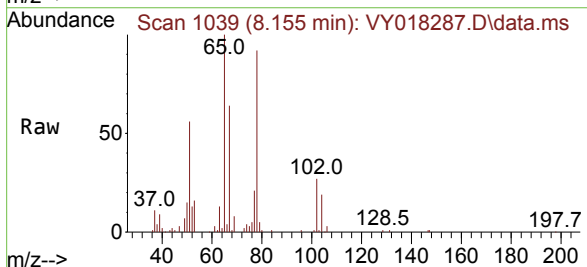
Acq: 16 May 2024 15:36

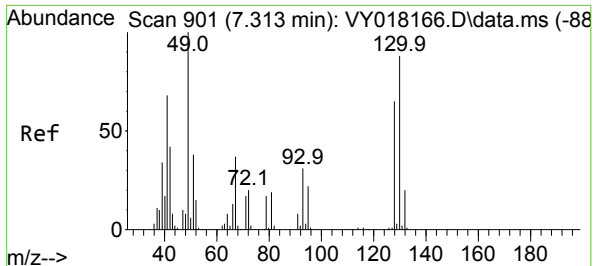
Tgt Ion: 78 Resp: 28343

Ion Ratio Lower Upper

78 100

77 22.4 19.5 29.3

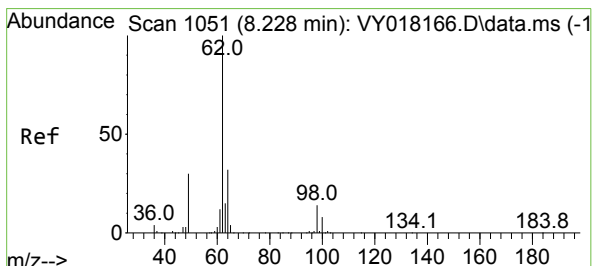
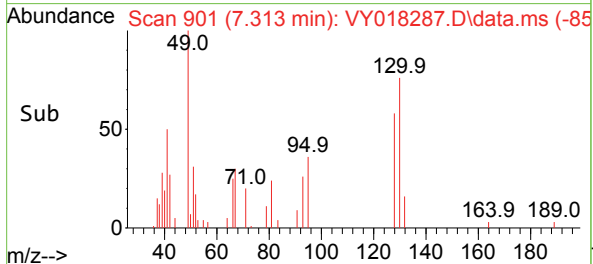
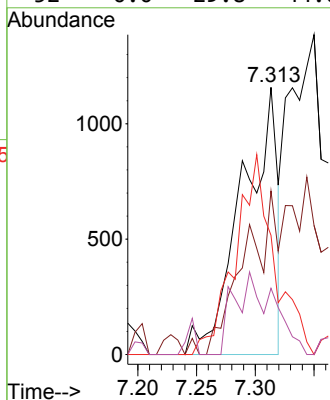
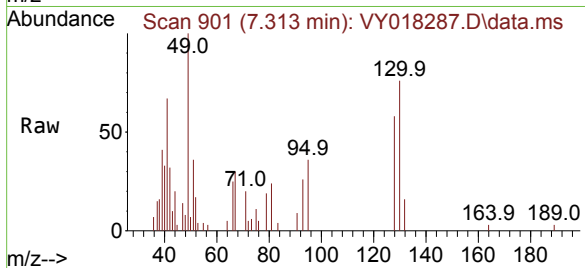




#41
Methacrylonitrile
Concen: 4.450 ug/l
RT: 7.313 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

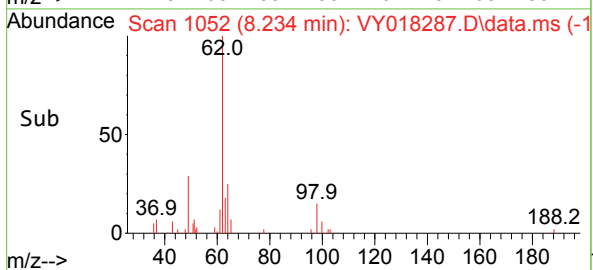
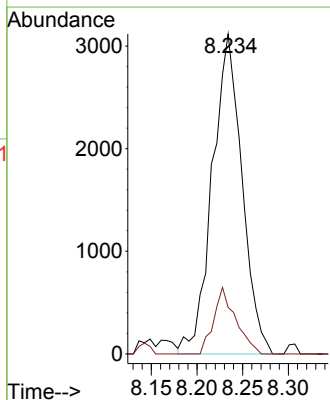
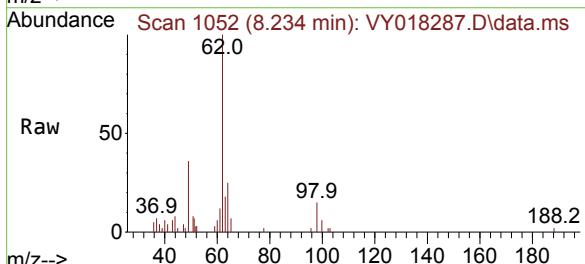
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

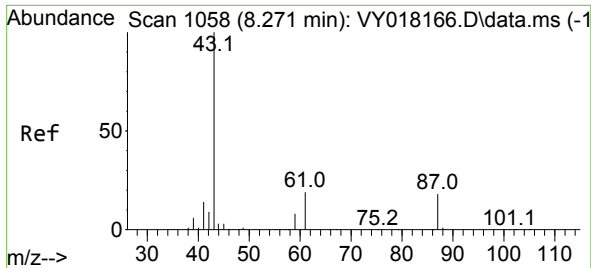
Tgt Ion:	41	Resp:	2425
Ion	Ratio	Lower	Upper
41	100		
39	18.2	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#



#42
1,2-Dichloroethane
Concen: 4.483 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. 0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion:	62	Resp:	7035
Ion	Ratio	Lower	Upper
62	100		
98	15.4	0.0	22.0

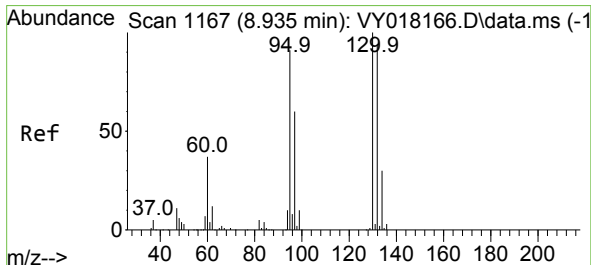
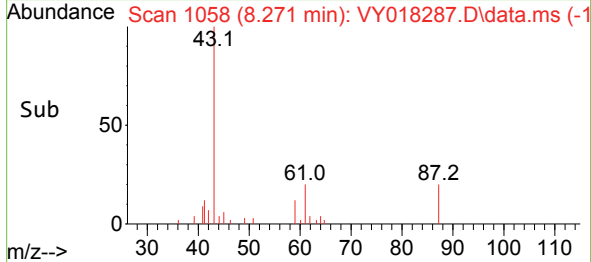
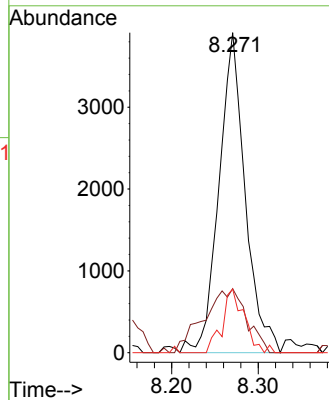
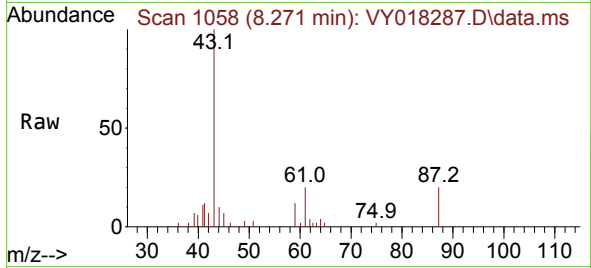




#43
Isopropyl Acetate
Concen: 4.249 ug/l
RT: 8.271 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

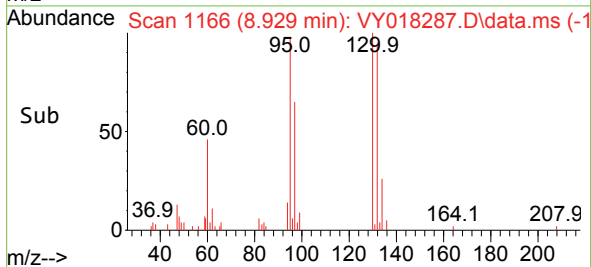
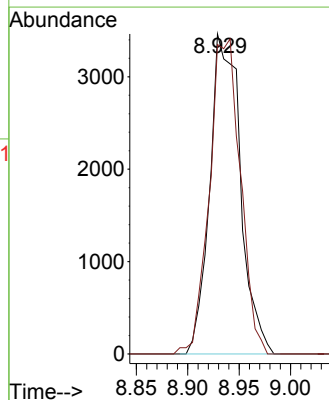
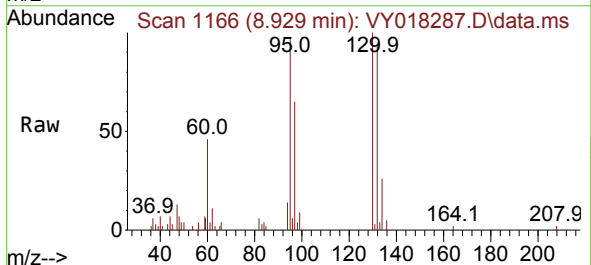
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

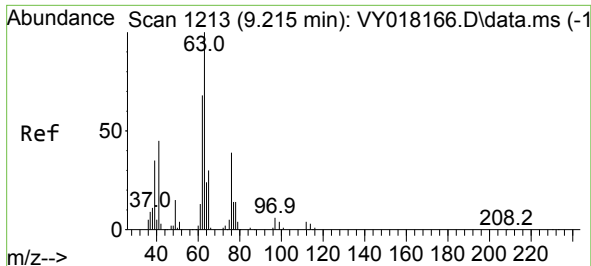
Tgt Ion:	43	Resp:	8220
Ion	Ratio	Lower	Upper
43	100		
61	33.0	27.9	41.9
87	16.9	13.1	19.7



#44
Trichloroethene
Concen: 3.643 ug/l
RT: 8.929 min Scan# 1166
Delta R.T. -0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion:	130	Resp:	7153
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	188.0

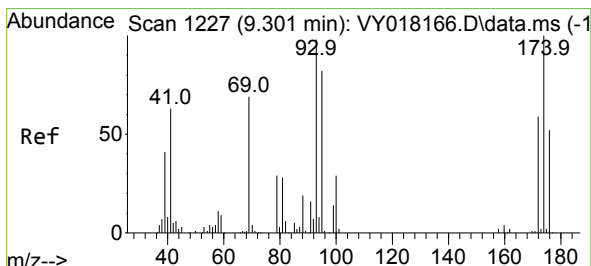
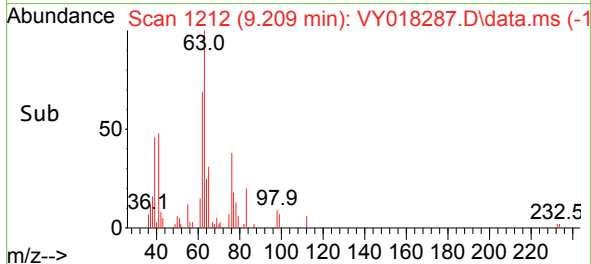
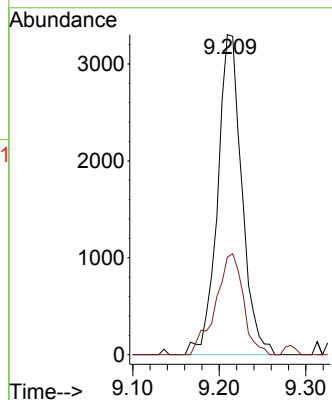
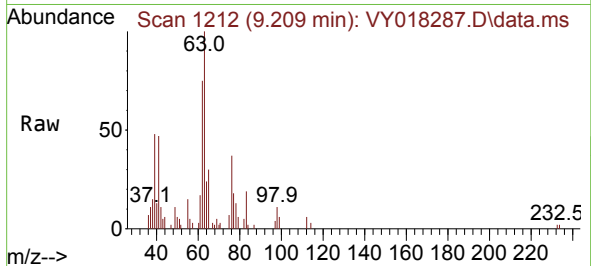




#45
1,2-Dichloropropane
Concen: 4.084 ug/l
RT: 9.209 min Scan# 1212
Delta R.T. -0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

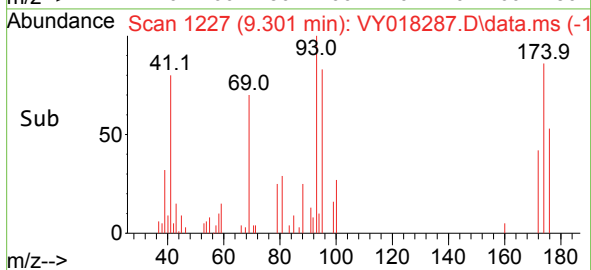
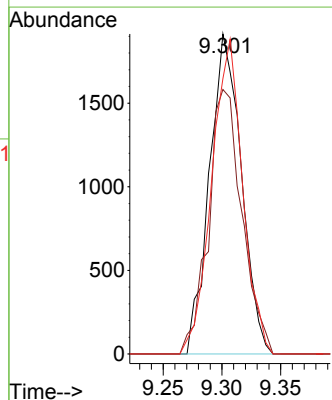
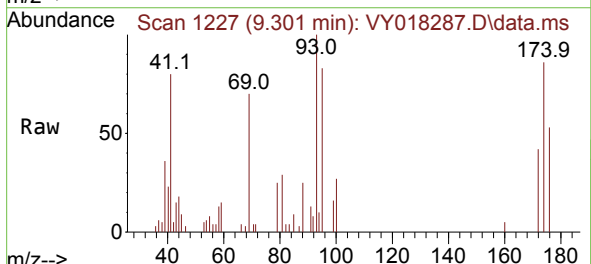
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

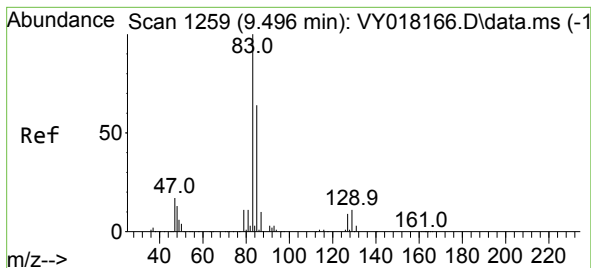
Tgt Ion: 63 Resp: 6439
Ion Ratio Lower Upper
63 100
65 30.5 25.4 38.2



#46
Dibromomethane
Concen: 3.979 ug/l
RT: 9.301 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 93 Resp: 3607
Ion Ratio Lower Upper
93 100
95 86.9 66.2 99.4
174 95.8 80.9 121.3





#47

Bromodichloromethane

Concen: 3.587 ug/l

RT: 9.490 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

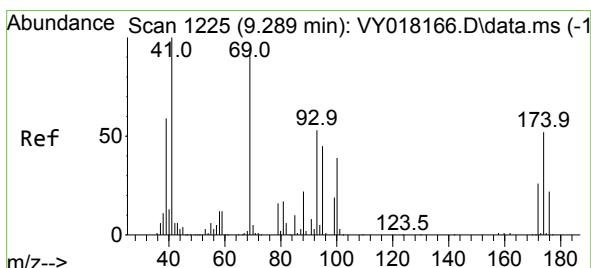
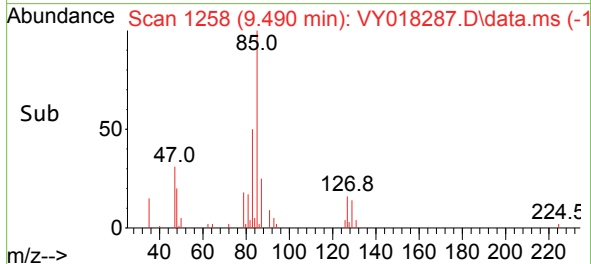
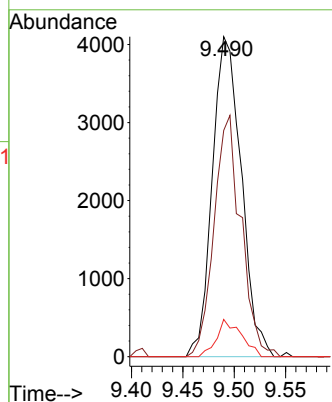
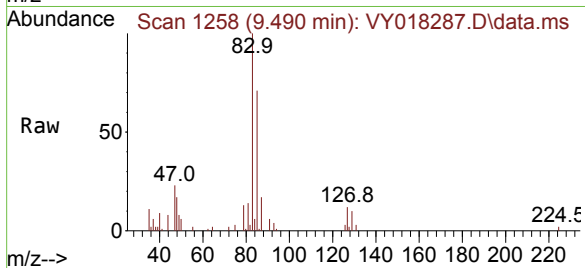
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 83	Resp: 8039
Ion Ratio	Lower Upper
83 100	
85 70.7	50.1 75.1
127 11.6	7.4 11.0



#48

Methyl methacrylate

Concen: 3.793 ug/l

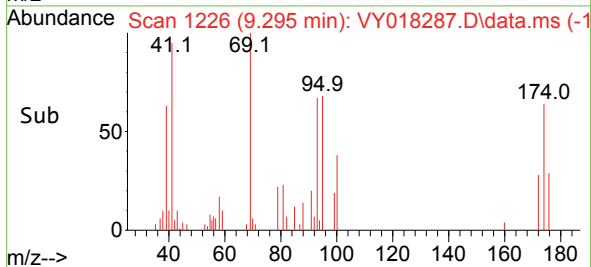
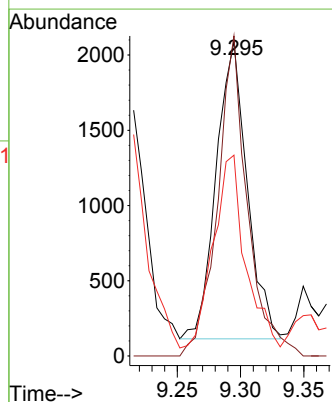
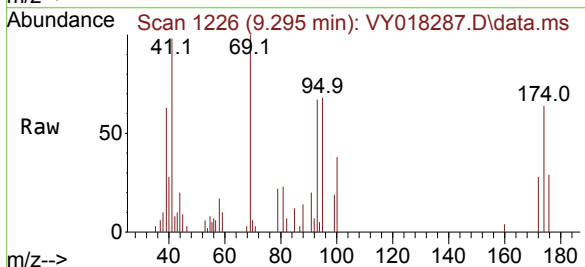
RT: 9.295 min Scan# 1226

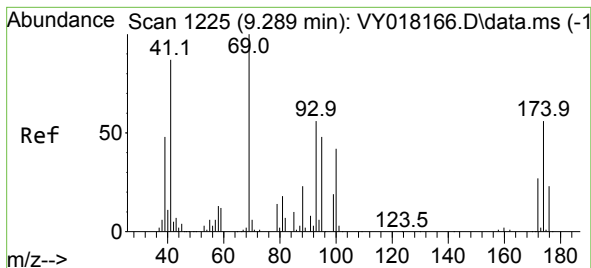
Delta R.T. 0.006 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Tgt Ion: 41	Resp: 3363
Ion Ratio	Lower Upper
41 100	
69 103.9	84.1 126.1
39 67.2	43.6 65.4





#49

1,4-Dioxane

Concen: 81.448 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.012 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

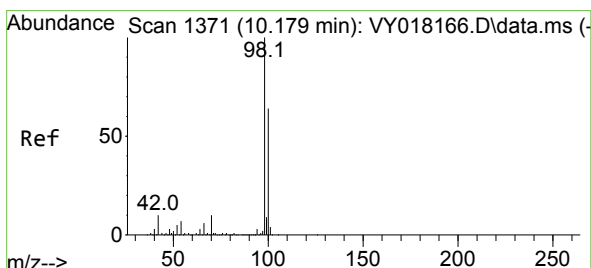
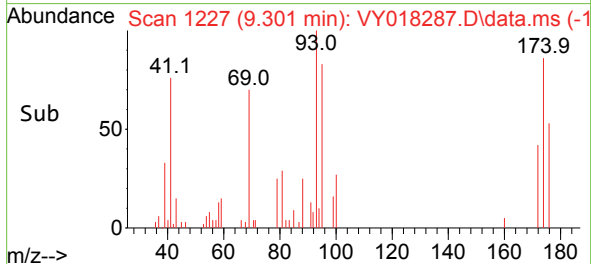
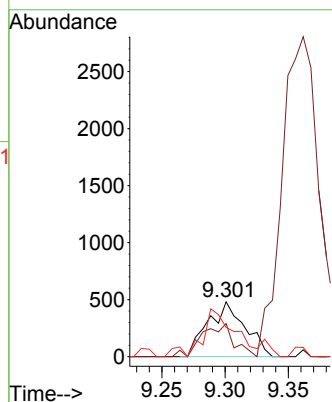
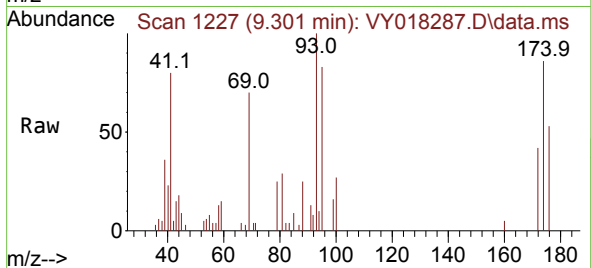
Tgt Ion: 88 Resp: 980

Ion Ratio Lower Upper

88 100

43 51.5 0.0 0.0#

58 76.8 49.3 73.9#



#50

Toluene-d8

Concen: 50.413 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018287.D

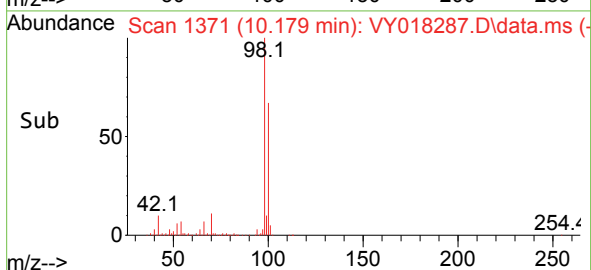
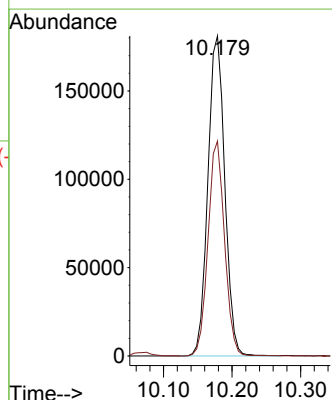
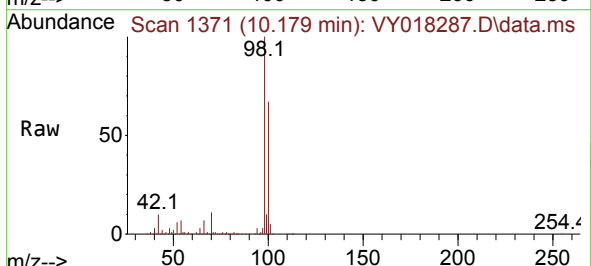
Acq: 16 May 2024 15:36

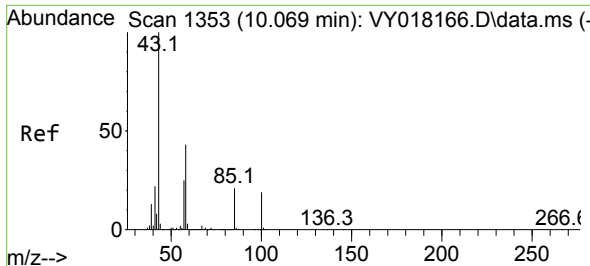
Tgt Ion: 98 Resp: 310715

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0

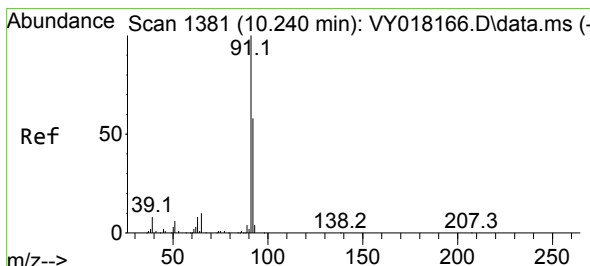
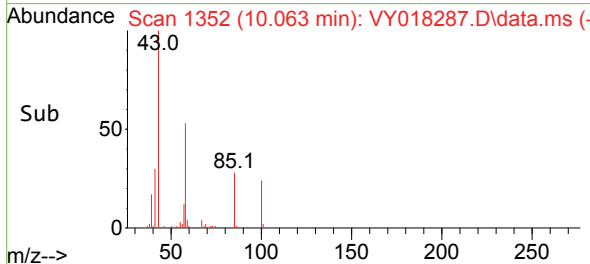
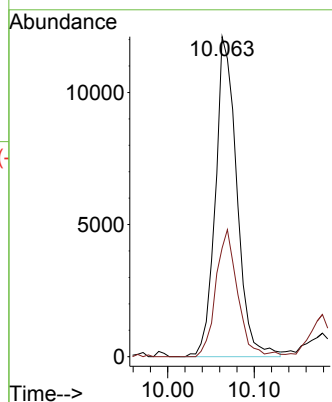
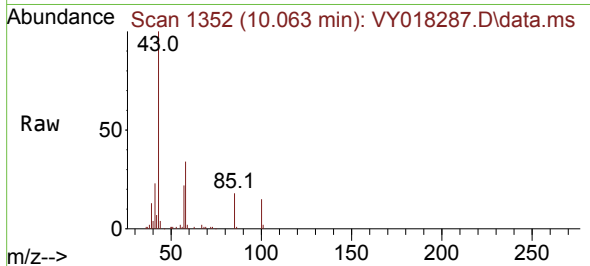




#51
4-Methyl-2-Pentanone
Concen: 21.420 ug/l
RT: 10.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

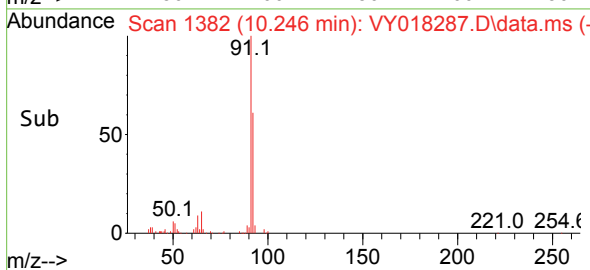
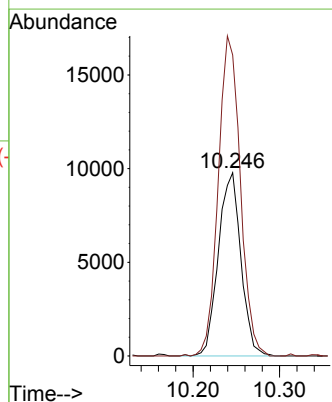
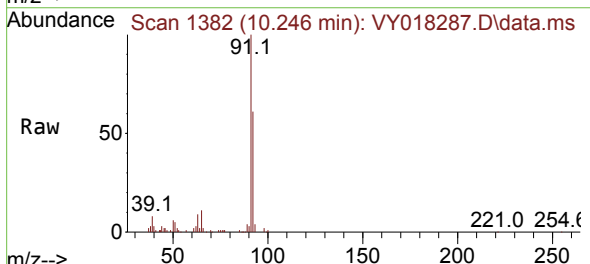
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

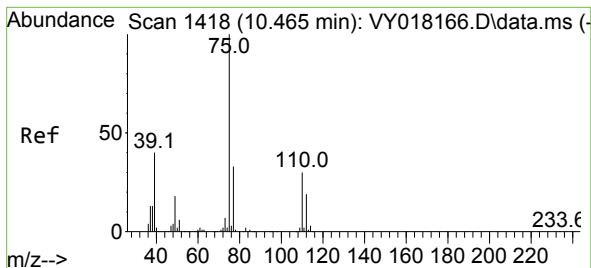
Tgt Ion: 43 Resp: 20825
Ion Ratio Lower Upper
43 100
58 40.0 35.7 53.5



#52
Toluene
Concen: 3.814 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 92 Resp: 17711
Ion Ratio Lower Upper
92 100
91 170.8 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 3.635 ug/l

RT: 10.465 min Scan# 1418

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

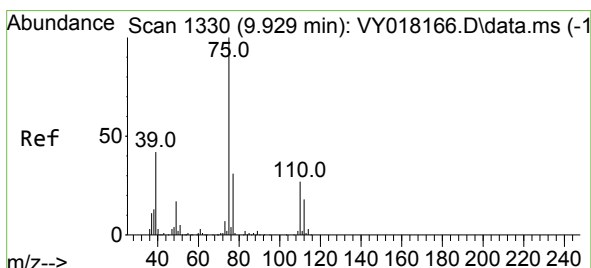
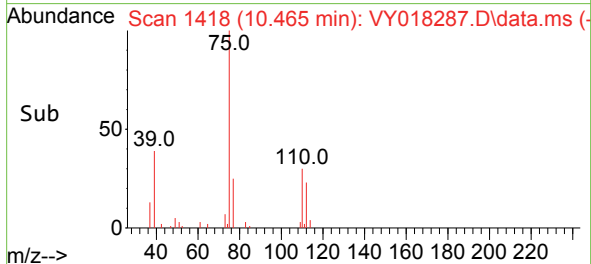
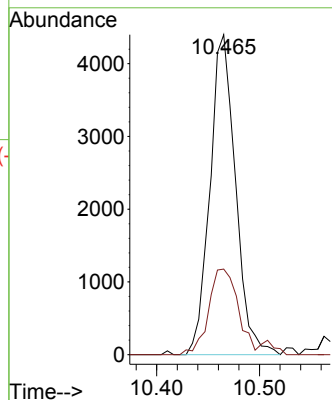
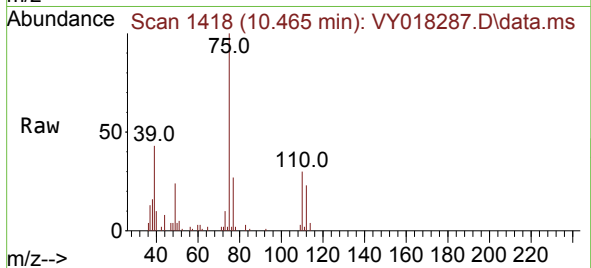
MDL-SOIL-03-QT2-2024

Tgt Ion: 75 Resp: 7609

Ion Ratio Lower Upper

75 100

77 26.7 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 3.992 ug/l

RT: 9.923 min Scan# 1329

Delta R.T. -0.006 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

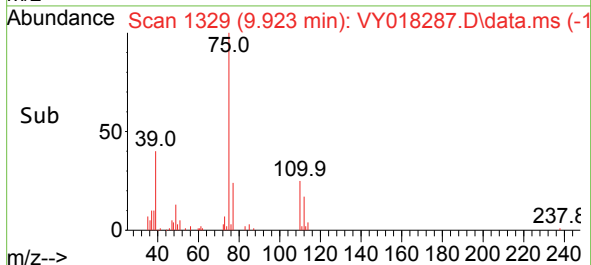
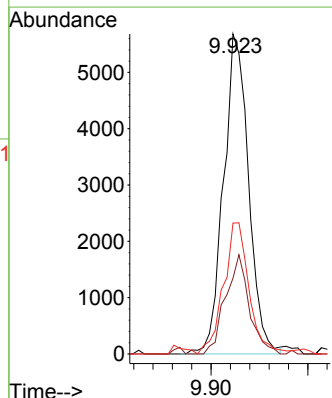
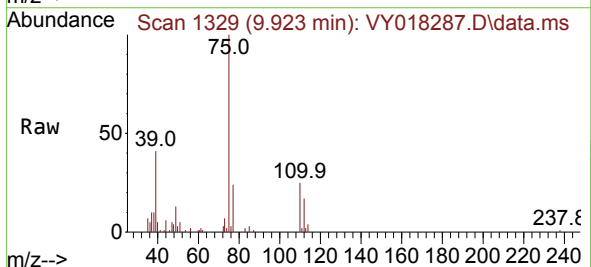
Tgt Ion: 75 Resp: 10214

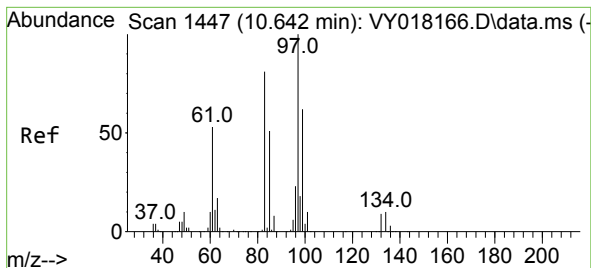
Ion Ratio Lower Upper

75 100

77 23.7 25.4 38.0#

39 39.6 29.8 44.6





#55

1,1,2-Trichloroethane

Concen: 3.945 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 97 Resp: 4913

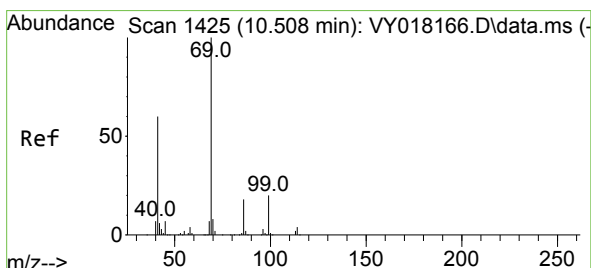
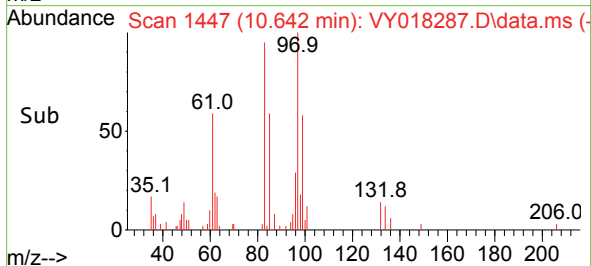
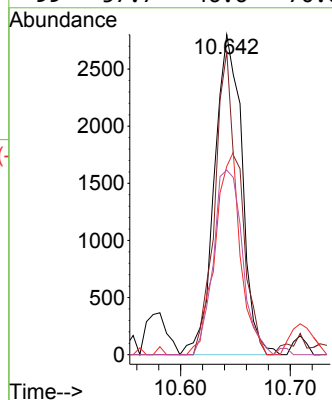
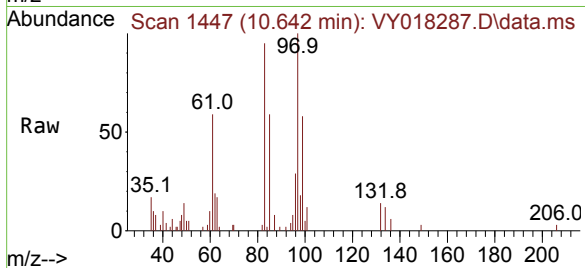
Ion Ratio Lower Upper

97 100

83 94.8 67.5 101.3

85 58.9 42.9 64.3

99 57.7 46.6 70.0



#56

Ethyl methacrylate

Concen: 3.686 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

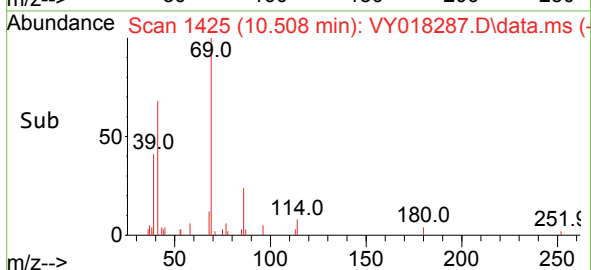
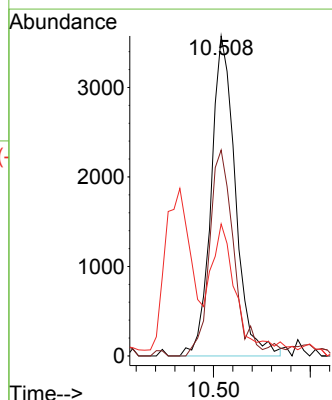
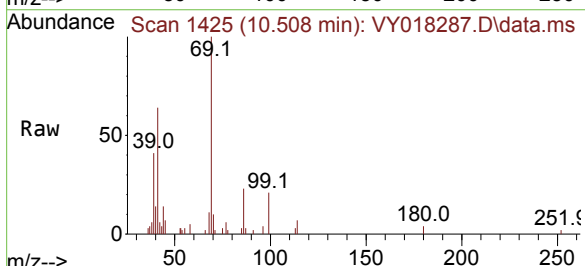
Tgt Ion: 69 Resp: 6233

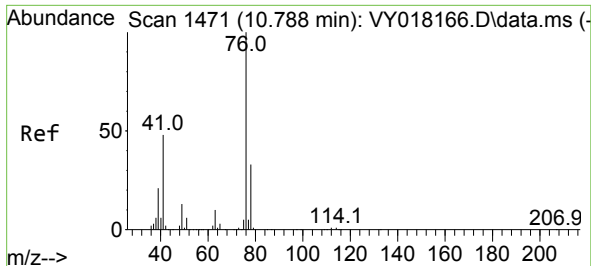
Ion Ratio Lower Upper

69 100

41 63.7 42.3 63.5#

39 44.9 22.9 34.3#

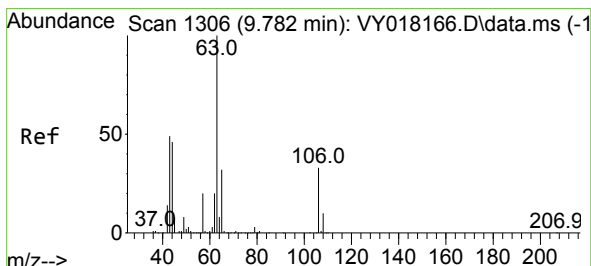
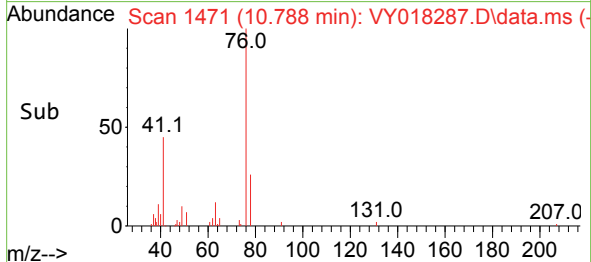
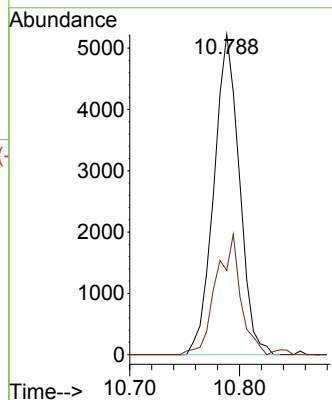
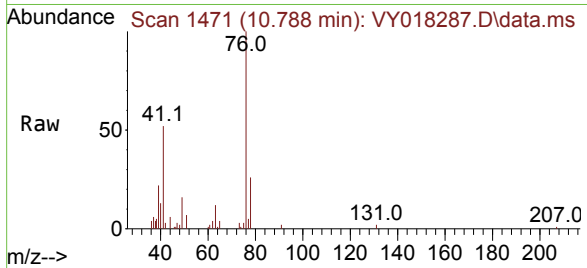




#57
1,3-Dichloropropane
Concen: 4.163 ug/l
RT: 10.788 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

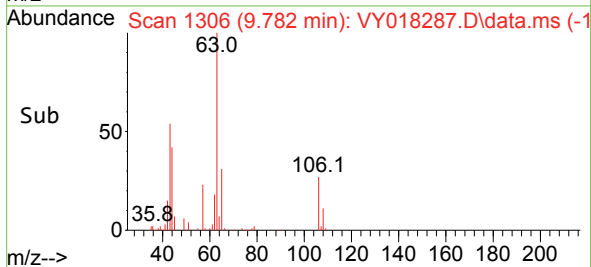
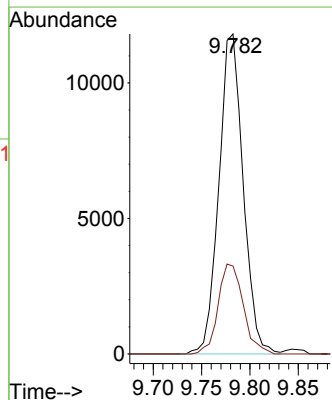
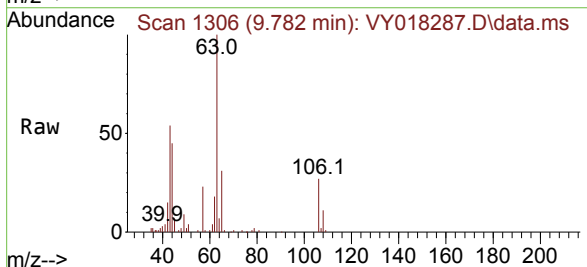
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

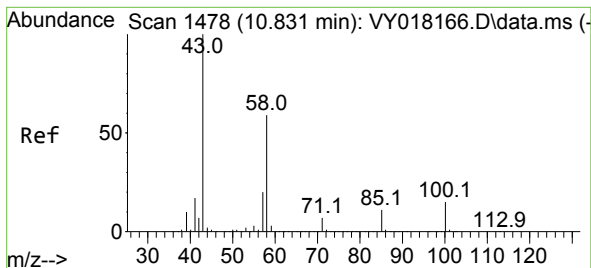
Tgt Ion: 76 Resp: 8436
Ion Ratio Lower Upper
76 100
78 36.2 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 25.487 ug/l
RT: 9.782 min Scan# 1306
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 63 Resp: 20582
Ion Ratio Lower Upper
63 100
106 29.0 23.7 35.5





#59

2-Hexanone

Concen: 20.815 ug/l

RT: 10.831 min Scan# 1478

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

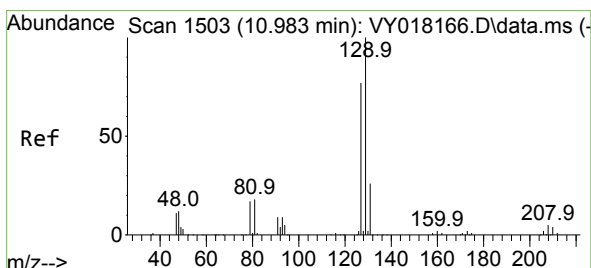
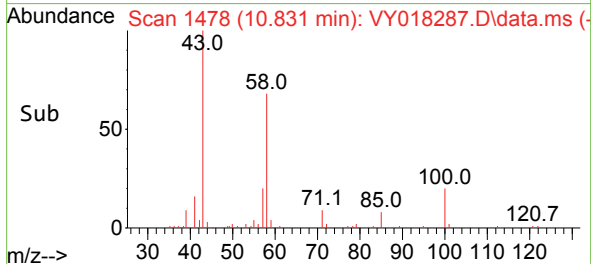
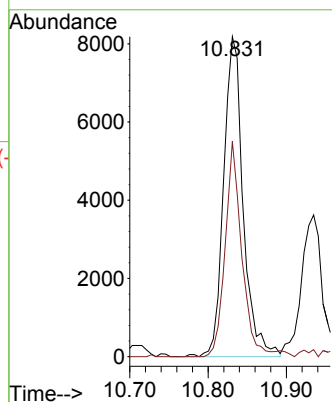
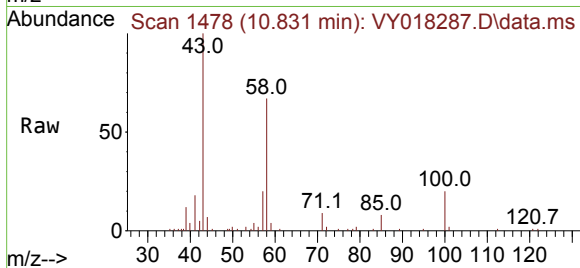
MDL-SOIL-03-QT2-2024

Tgt Ion: 43 Resp: 14150

Ion Ratio Lower Upper

43 100

58 56.9 31.4 94.0



#60

Dibromochloromethane

Concen: 3.661 ug/l

RT: 10.983 min Scan# 1503

Delta R.T. -0.000 min

Lab File: VY018287.D

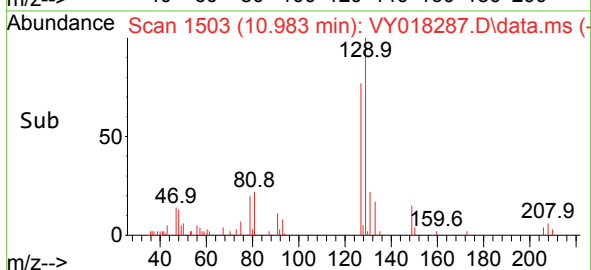
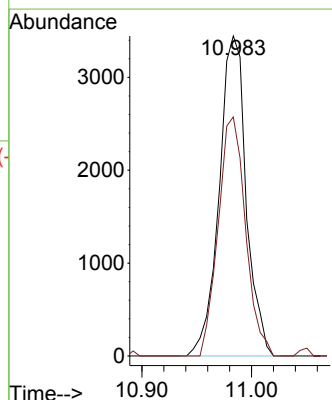
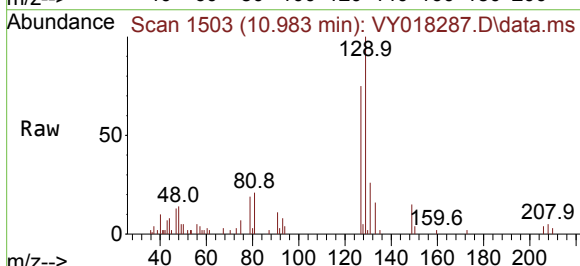
Acq: 16 May 2024 15:36

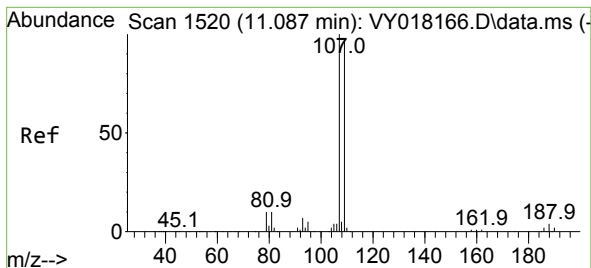
Tgt Ion: 129 Resp: 5914

Ion Ratio Lower Upper

129 100

127 75.3 39.0 117.0





#61

1,2-Dibromoethane

Concen: 4.071 ug/l

RT: 11.087 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

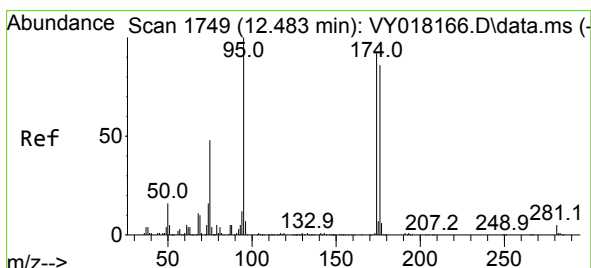
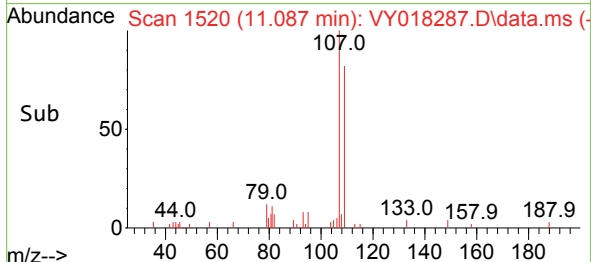
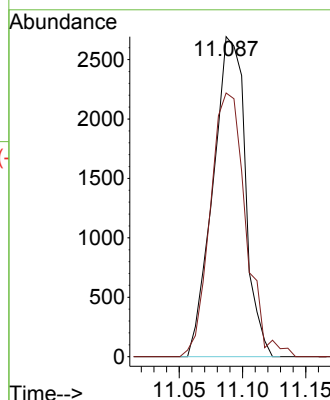
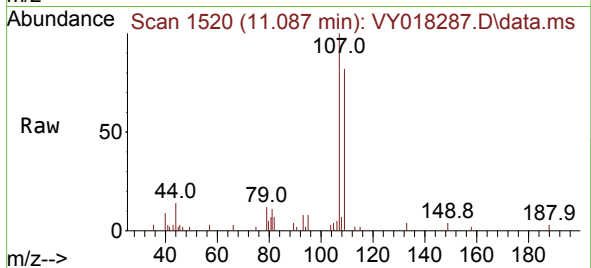
MDL-SOIL-03-QT2-2024

Tgt Ion:107 Resp: 4775

Ion Ratio Lower Upper

107 100

109 90.5 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 48.103 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

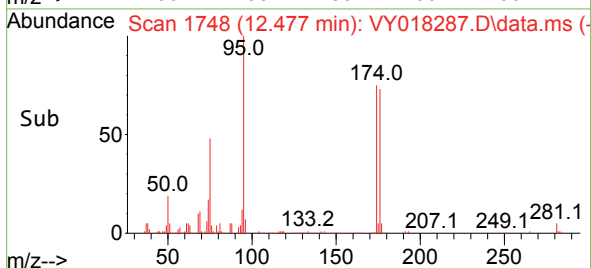
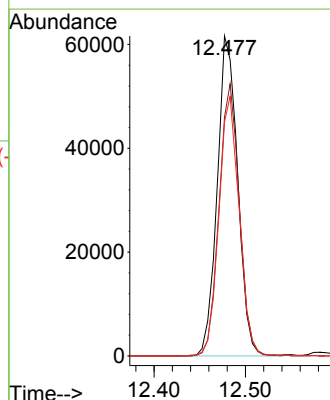
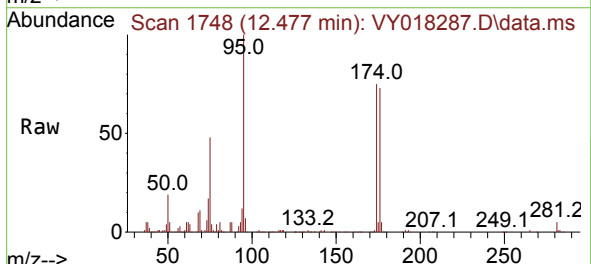
Tgt Ion: 95 Resp: 95745

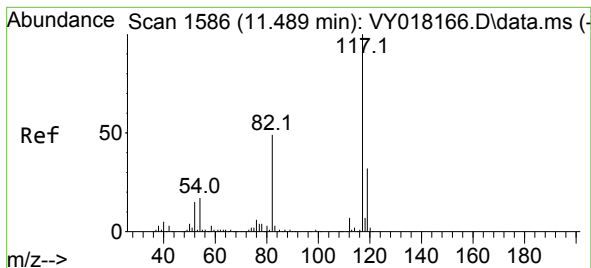
Ion Ratio Lower Upper

95 100

174 84.5 0.0 175.6

176 80.8 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: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

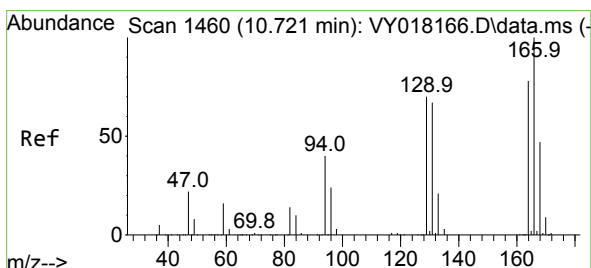
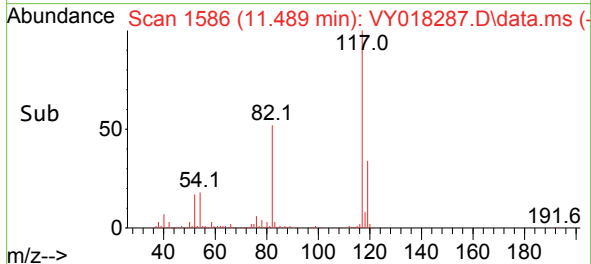
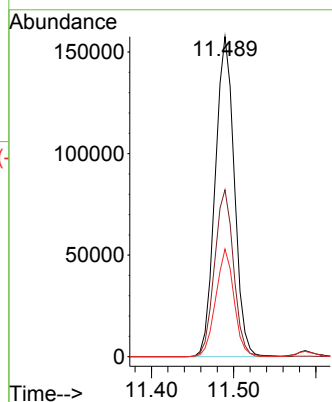
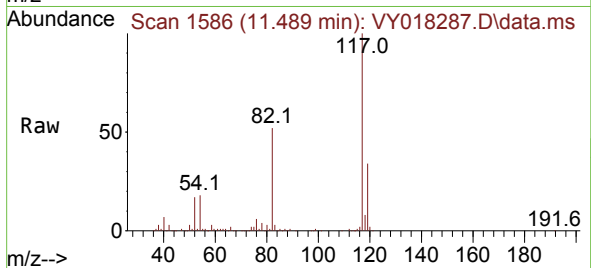
Tgt Ion:117 Resp: 254723

Ion Ratio Lower Upper

117 100

82 52.2 42.4 63.6

119 33.6 25.9 38.9



#64

Tetrachloroethene

Concen: 3.794 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. -0.006 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Tgt Ion:164 Resp: 6435

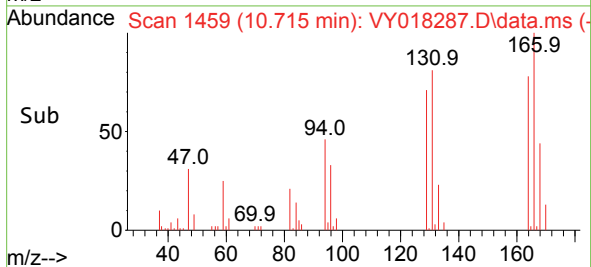
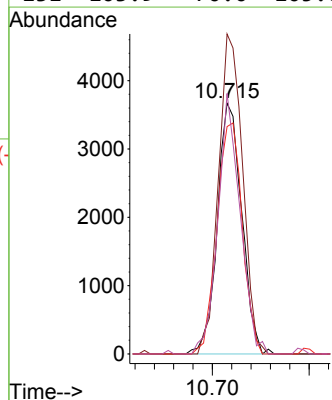
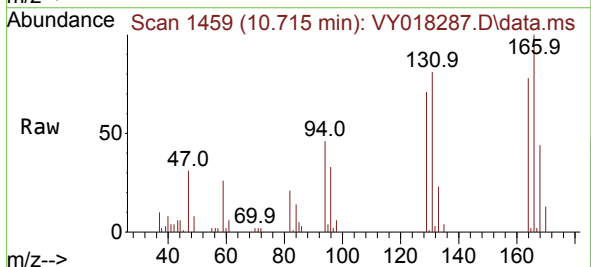
Ion Ratio Lower Upper

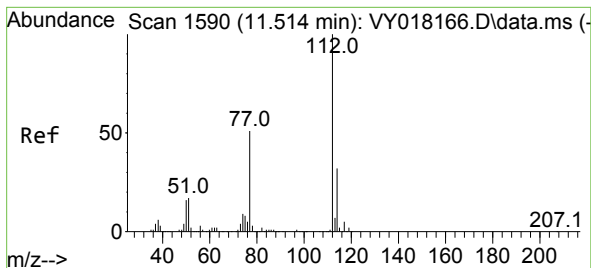
164 100

166 127.6 102.6 154.0

129 90.7 72.0 108.0

131 103.9 70.0 105.0





#65

Chlorobenzene

Concen: 3.577 ug/l

RT: 11.514 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

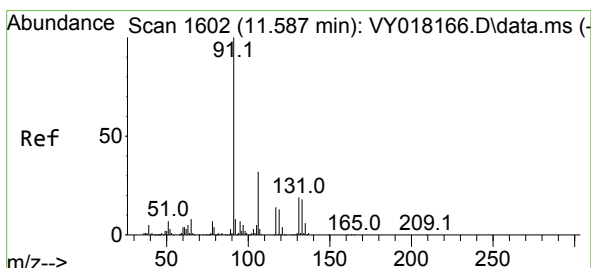
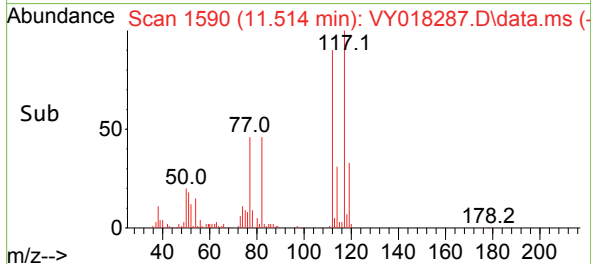
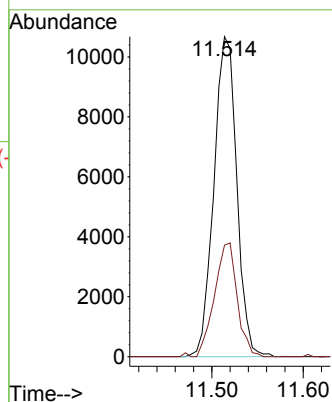
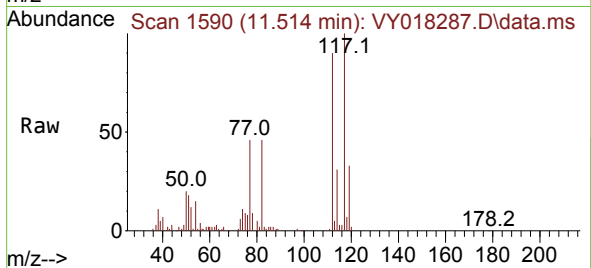
MDL-SOIL-03-QT2-2024

Tgt Ion:112 Resp: 18555

Ion Ratio Lower Upper

112 100

114 34.8 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 3.291 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

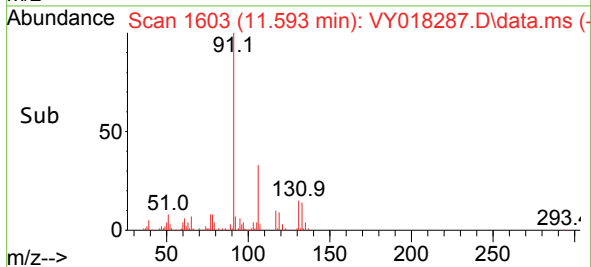
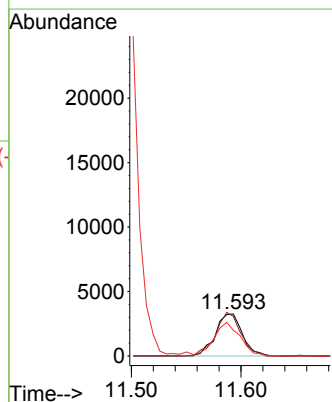
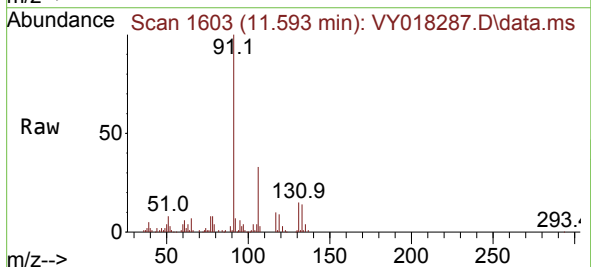
Tgt Ion:131 Resp: 5522

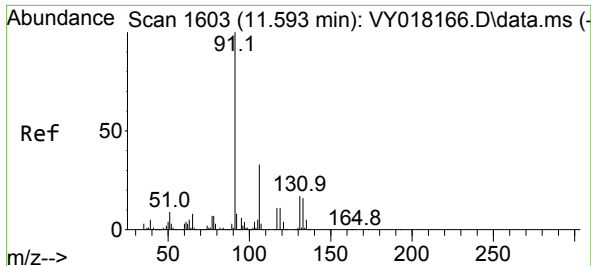
Ion Ratio Lower Upper

131 100

133 98.1 47.8 143.3

119 80.0 34.1 102.2

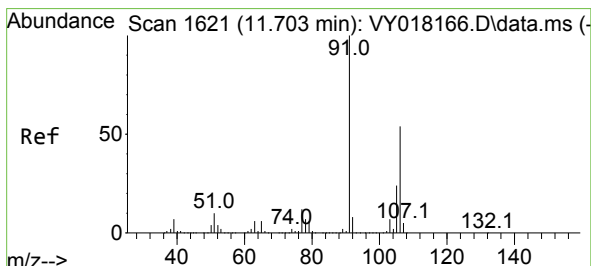
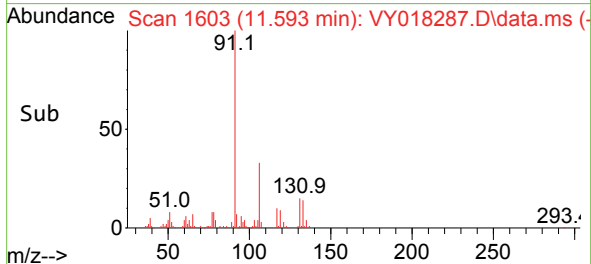
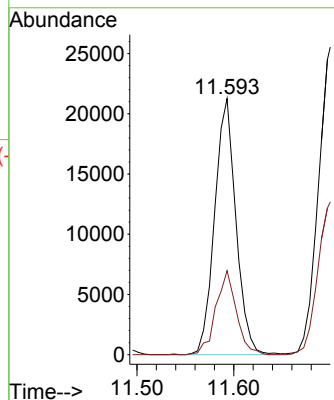
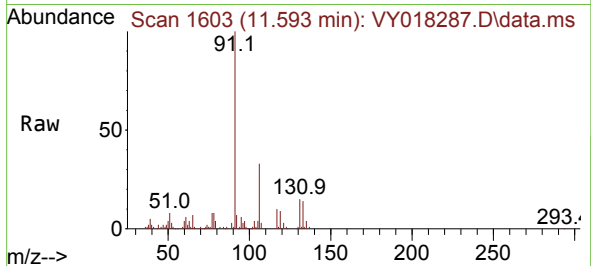




#67
Ethyl Benzene
Concen: 3.715 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

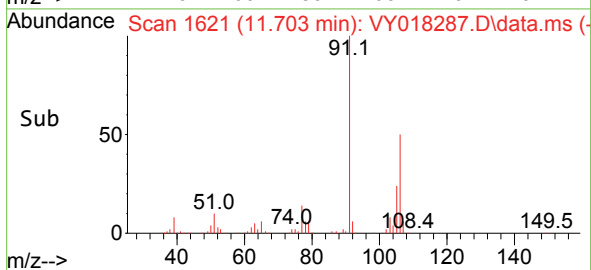
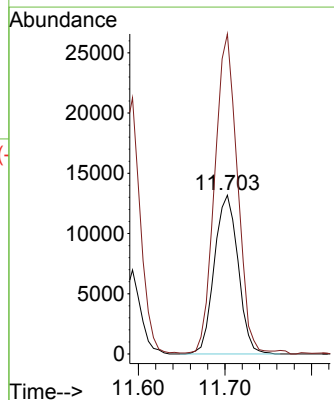
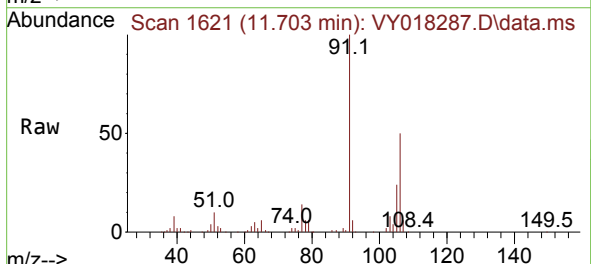
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

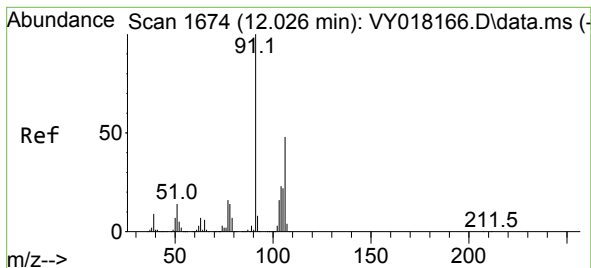
Tgt Ion: 91 Resp: 32540
Ion Ratio Lower Upper
91 100
106 32.8 24.5 36.7



#68
m/p-Xylenes
Concen: 7.251 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 106 Resp: 25118
Ion Ratio Lower Upper
106 100
91 191.0 156.0 234.0





#69

o-Xylene

Concen: 3.685 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

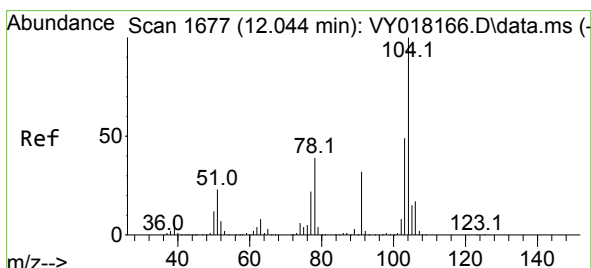
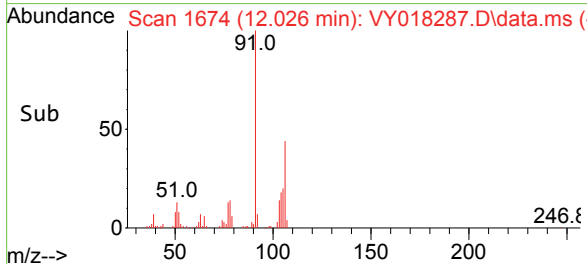
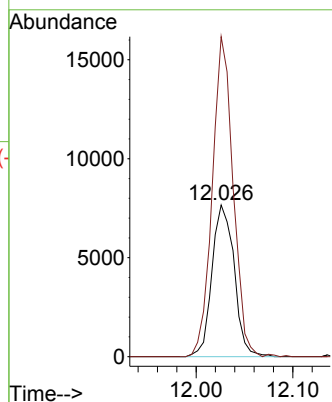
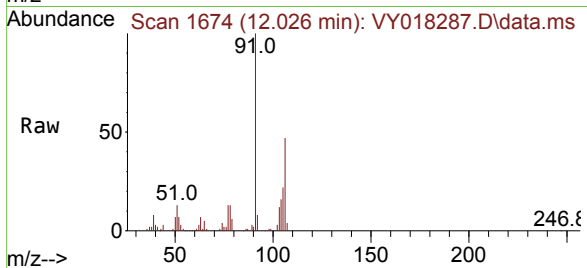
MDL-SOIL-03-QT2-2024

Tgt Ion:106 Resp: 12249

Ion Ratio Lower Upper

106 100

91 197.4 103.6 310.8



#70

Styrene

Concen: 3.437 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

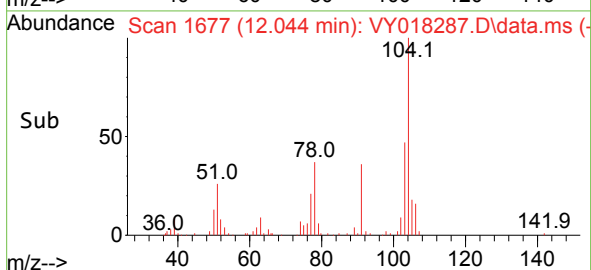
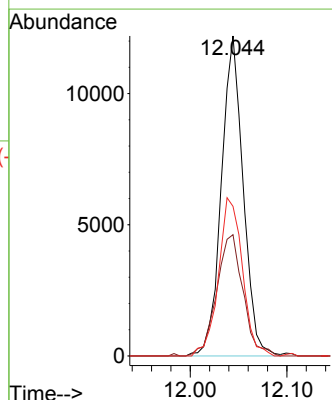
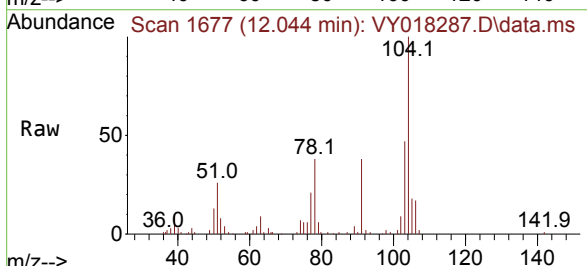
Tgt Ion:104 Resp: 19082

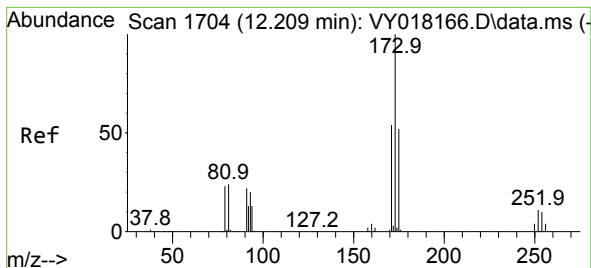
Ion Ratio Lower Upper

104 100

78 45.9 37.0 55.4

103 54.3 44.2 66.2





#71

Bromoform

Concen: 3.177 ug/l

RT: 12.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

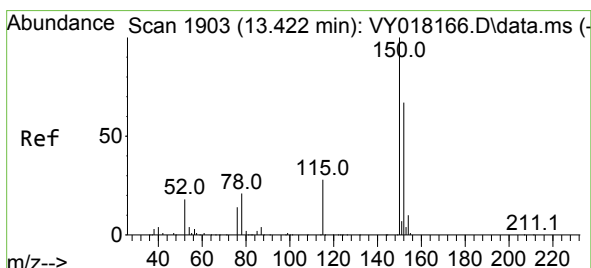
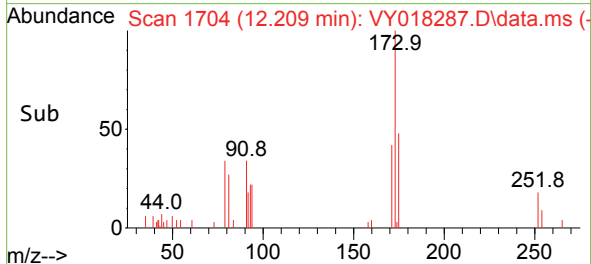
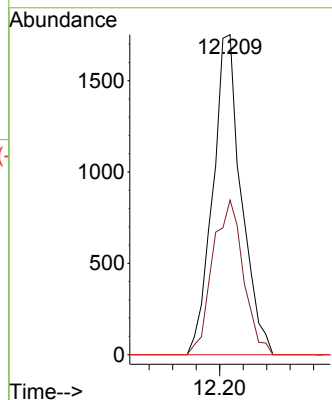
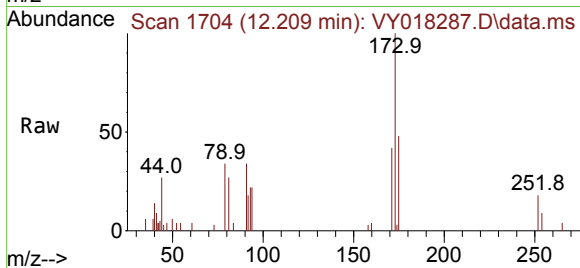
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:173	Resp:	2950
Ion Ratio	Lower	Upper
173	100	
175	52.1	25.1 75.3
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

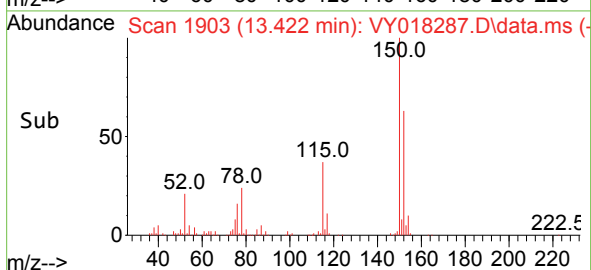
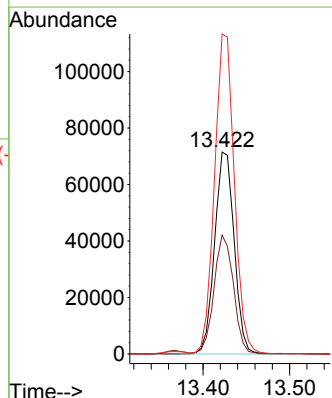
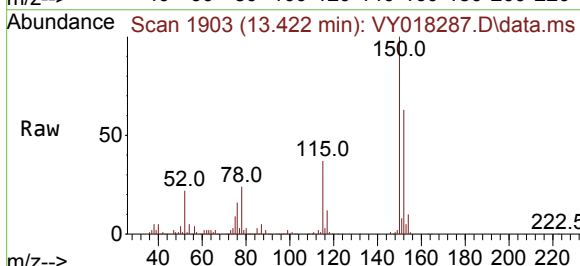
RT: 13.422 min Scan# 1903

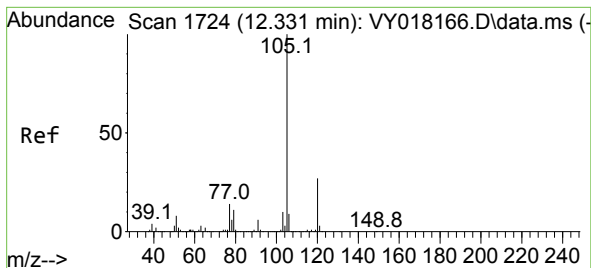
Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Tgt Ion:152	Resp:	112359
Ion Ratio	Lower	Upper
152	100	
115	58.3	28.2 84.7
150	160.1	0.0 345.6





#73

Isopropylbenzene

Concen: 3.544 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.006 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

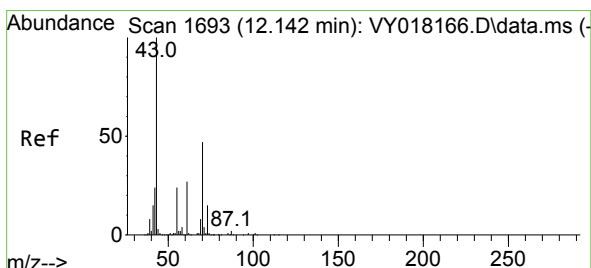
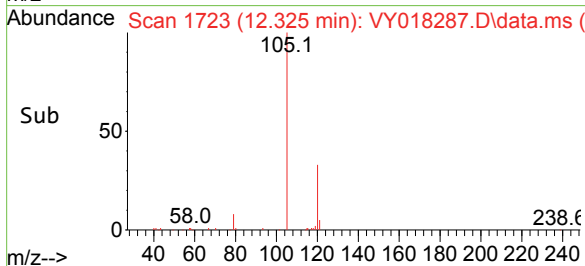
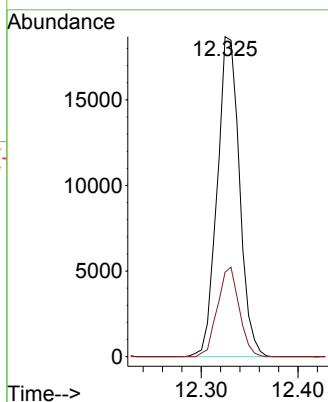
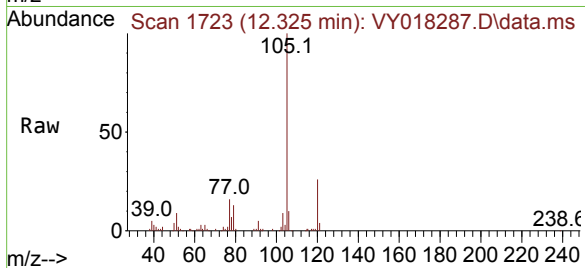
MDL-SOIL-03-QT2-2024

Tgt Ion:105 Resp: 29854

Ion Ratio Lower Upper

105 100

120 27.3 13.4 40.1



#74

N-ethyl acetate

Concen: 3.756 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Tgt Ion: 43 Resp: 6568

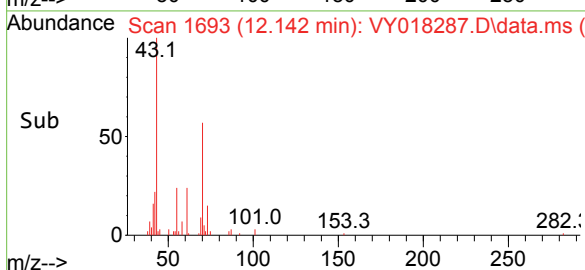
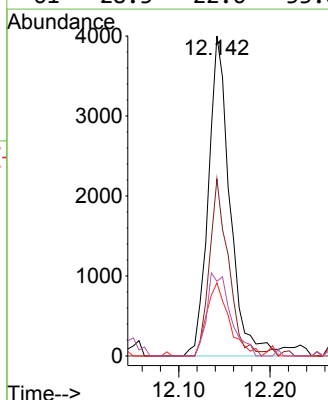
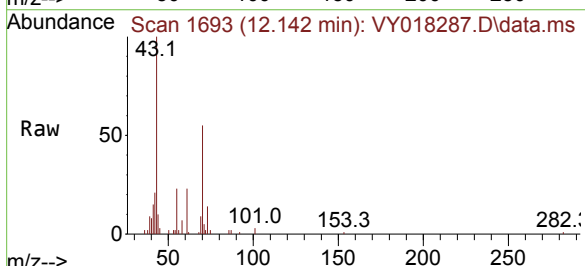
Ion Ratio Lower Upper

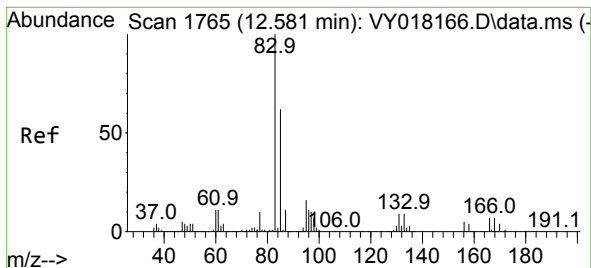
43 100

70 49.3 41.4 62.2

55 23.8 23.3 34.9

61 28.3 22.6 33.8

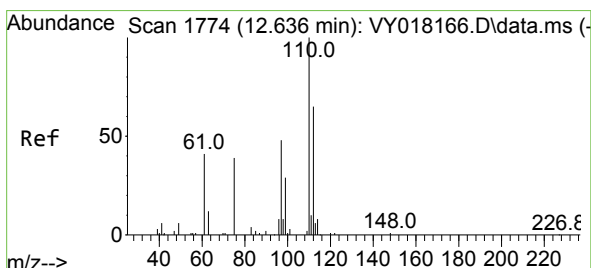
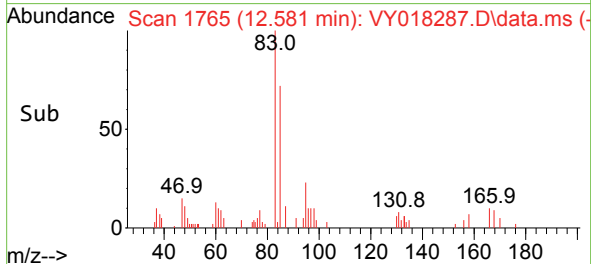
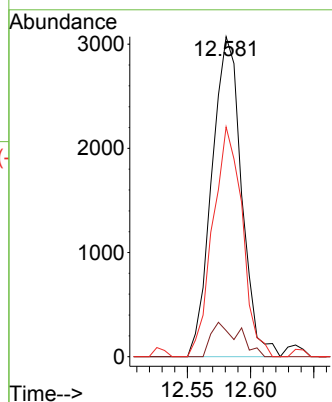
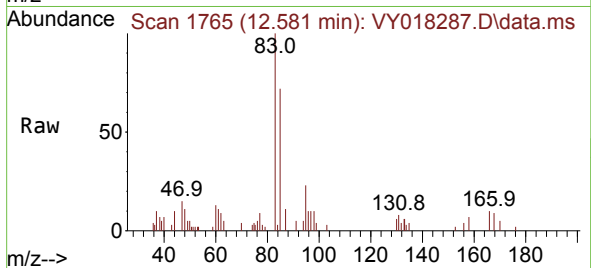




#75
1,1,2,2-Tetrachloroethane
Concen: 3.728 ug/l
RT: 12.581 min Scan# 1765
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

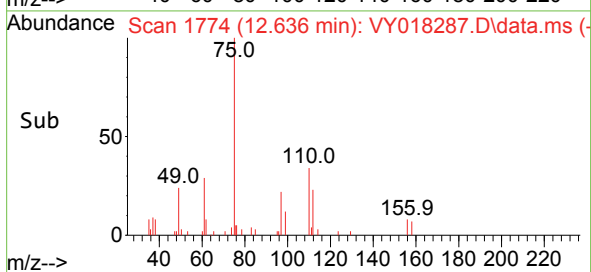
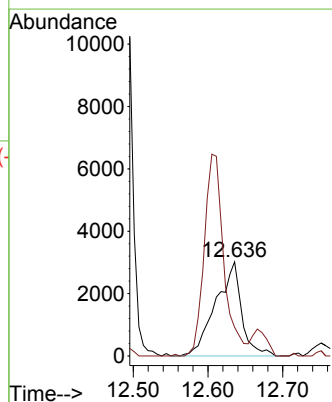
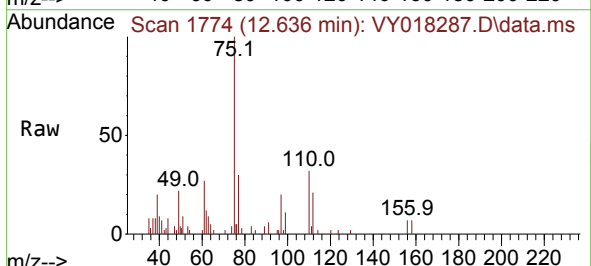
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

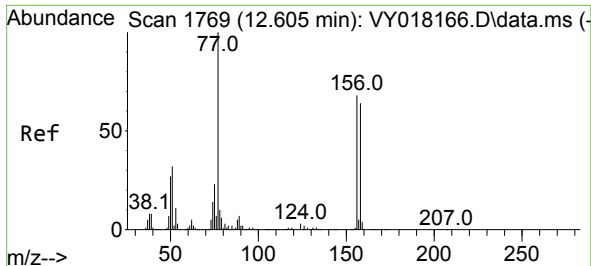
Tgt Ion:	83	Resp:	5010
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	71.2	32.0	96.0



#76
1,2,3-Trichloropropane
Concen: 8.091 ug/l
RT: 12.636 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion:	75	Resp:	7277
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

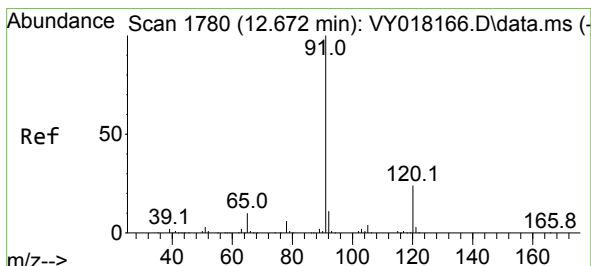
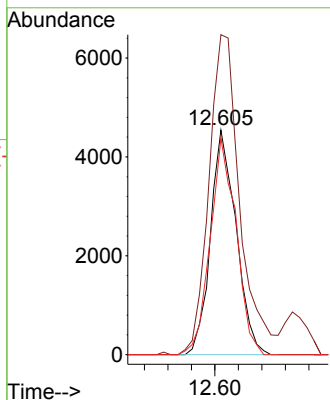
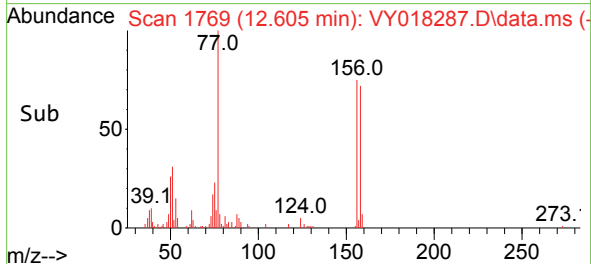
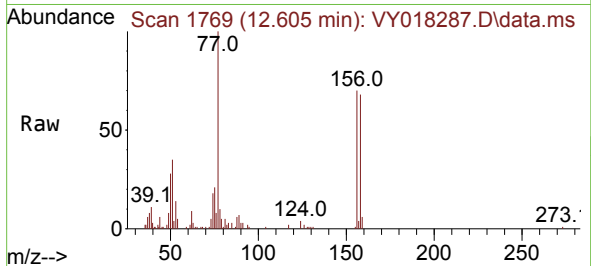




#77
Bromobenzene
Concen: 3.555 ug/l
RT: 12.605 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

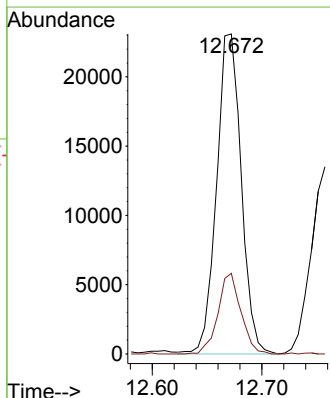
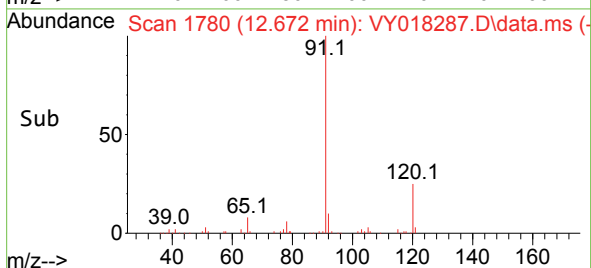
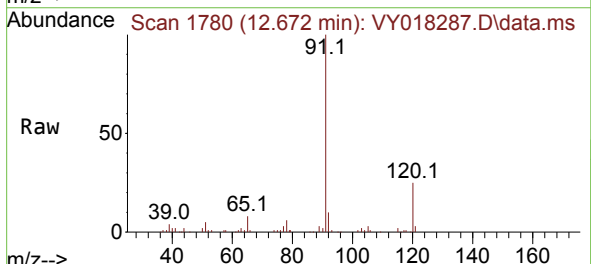
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

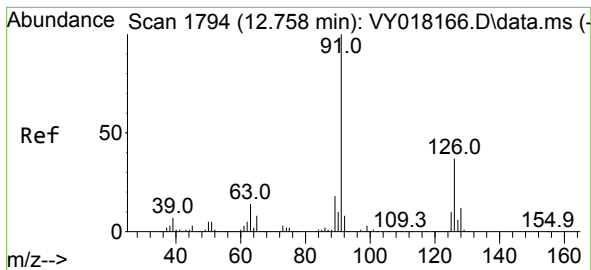
Tgt Ion:156 Resp: 6880
Ion Ratio Lower Upper
156 100
77 172.7 87.1 261.3
158 97.7 48.6 145.9



#78
n-propylbenzene
Concen: 3.685 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 91 Resp: 36108
Ion Ratio Lower Upper
91 100
120 23.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 3.781 ug/l

RT: 12.758 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

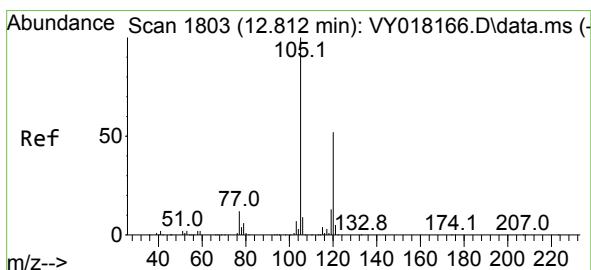
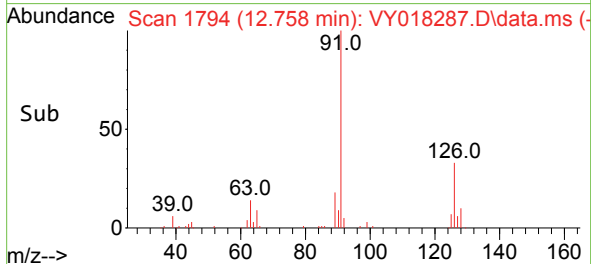
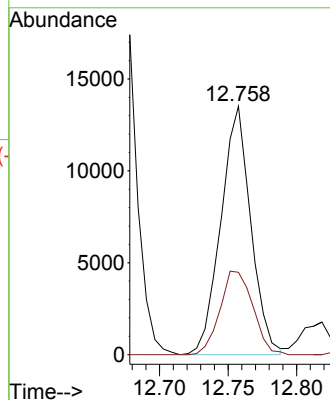
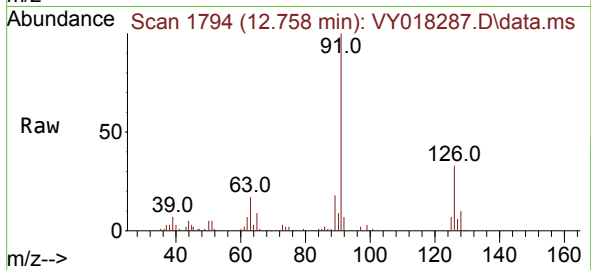
MDL-SOIL-03-QT2-2024

Tgt Ion: 91 Resp: 20586

Ion Ratio Lower Upper

91 100

126 36.9 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 3.675 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY018287.D

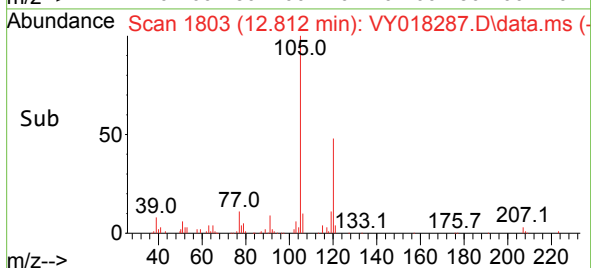
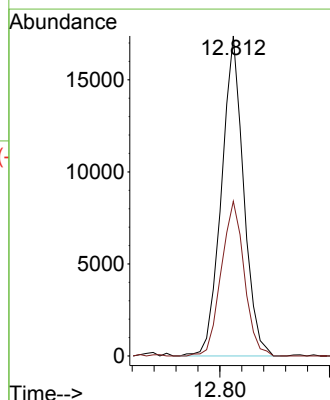
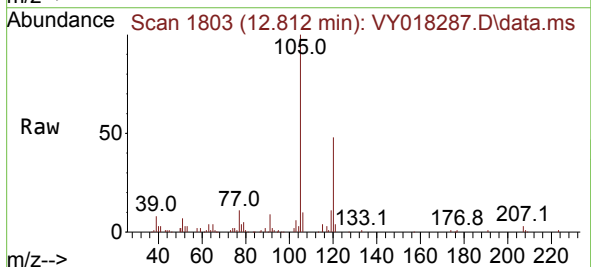
Acq: 16 May 2024 15:36

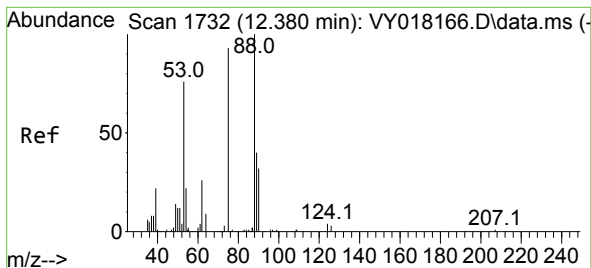
Tgt Ion: 105 Resp: 24410

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.2

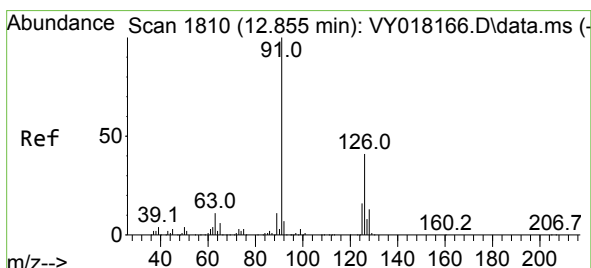
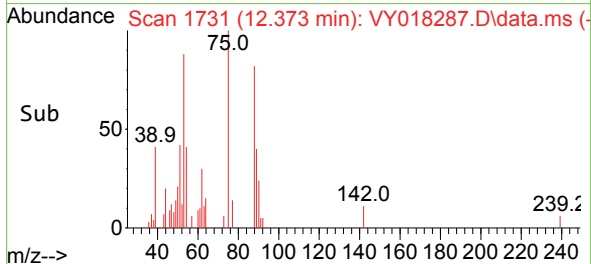
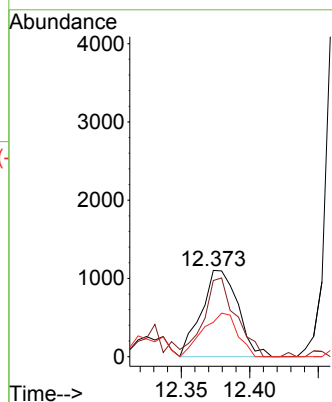
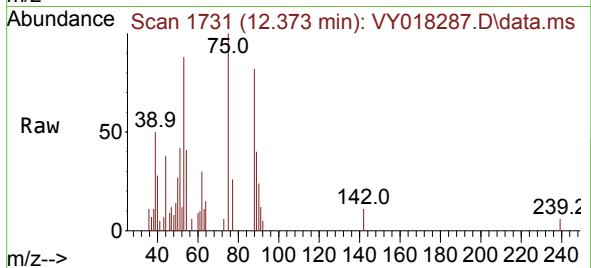




#81
trans-1,4-Dichloro-2-butene
Concen: 4.381 ug/l
RT: 12.373 min Scan# 1731
Delta R.T. -0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

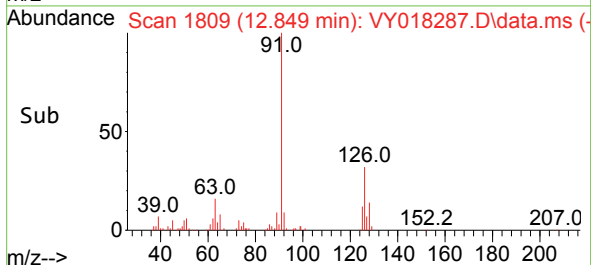
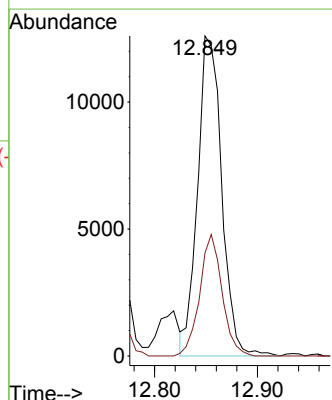
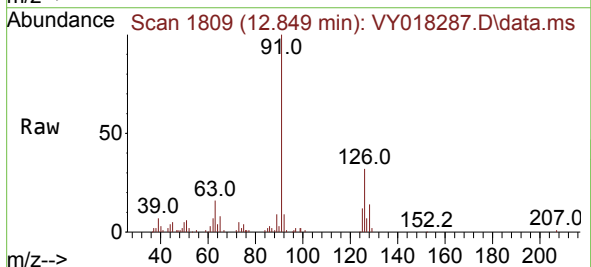
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

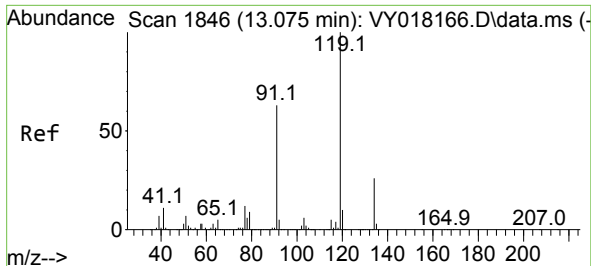
Tgt Ion: 75 Resp: 2045
Ion Ratio Lower Upper
75 100
53 79.9 66.8 100.2
89 47.9 35.8 53.6



#82
4-Chlorotoluene
Concen: 3.758 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion: 91 Resp: 20556
Ion Ratio Lower Upper
91 100
126 35.3 17.6 52.9

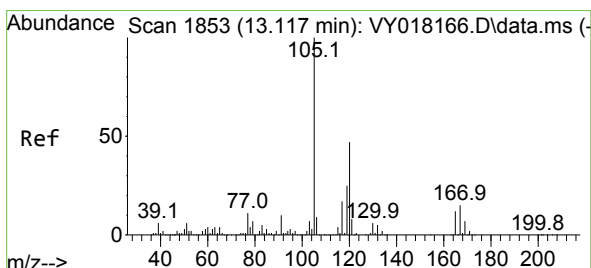
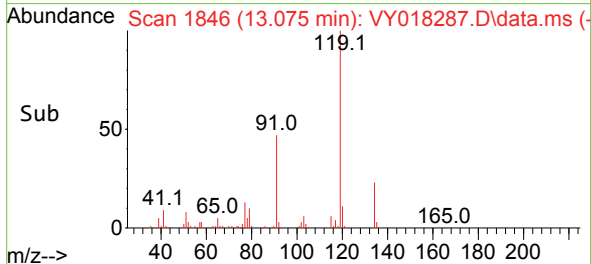
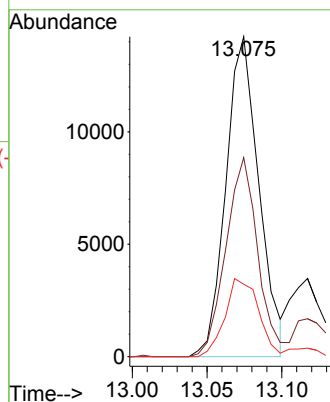
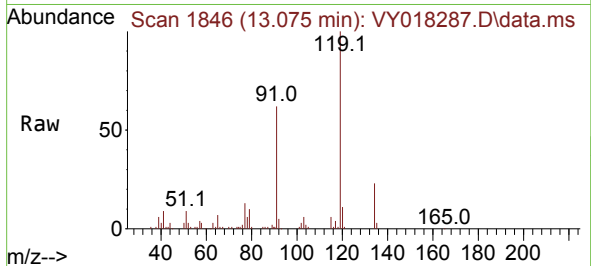




#83
tert-Butylbenzene
Concen: 3.563 ug/l
RT: 13.075 min Scan# 119
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

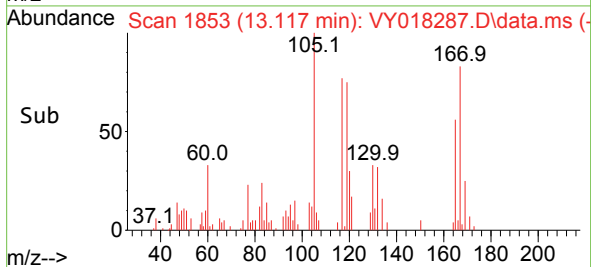
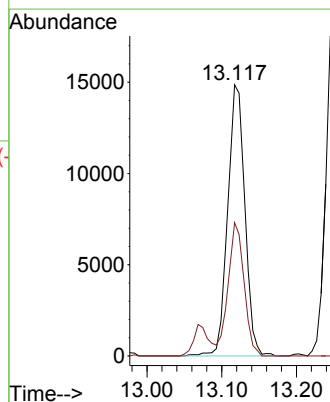
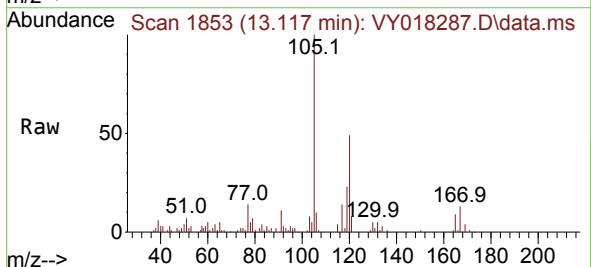
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

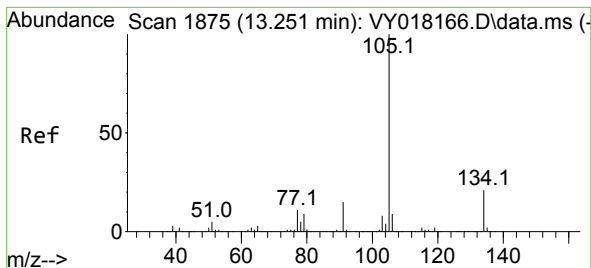
Tgt Ion:119 Resp: 21833
Ion Ratio Lower Upper
119 100
91 61.0 31.3 93.8
134 24.8 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 3.661 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion:105 Resp: 23822
Ion Ratio Lower Upper
105 100
120 45.5 23.2 69.6





#85

sec-Butylbenzene

Concen: 3.623 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

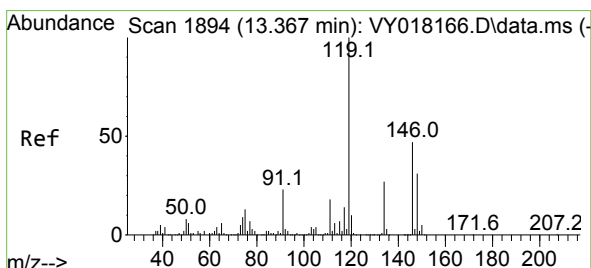
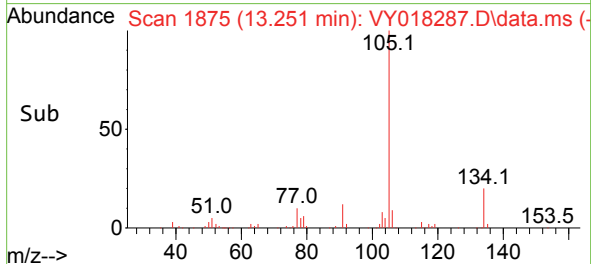
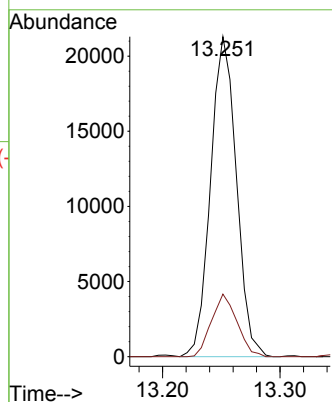
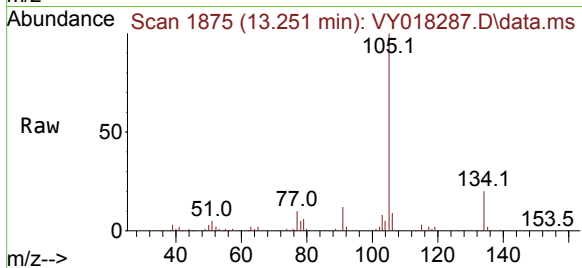
MDL-SOIL-03-QT2-2024

Tgt Ion:105 Resp: 32560

Ion Ratio Lower Upper

105 100

134 19.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 3.444 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

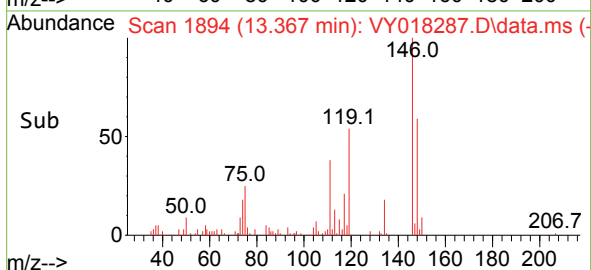
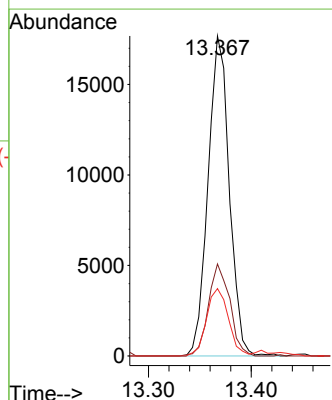
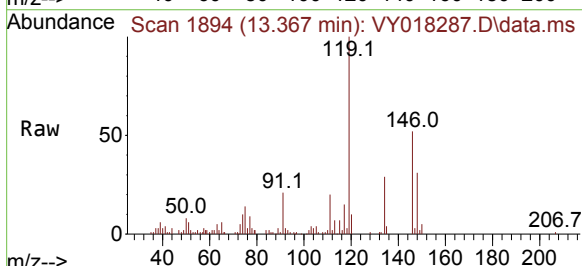
Tgt Ion:119 Resp: 25467

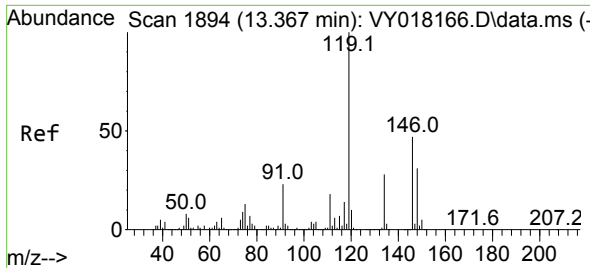
Ion Ratio Lower Upper

119 100

134 28.9 13.1 39.3

91 21.7 10.7 32.1

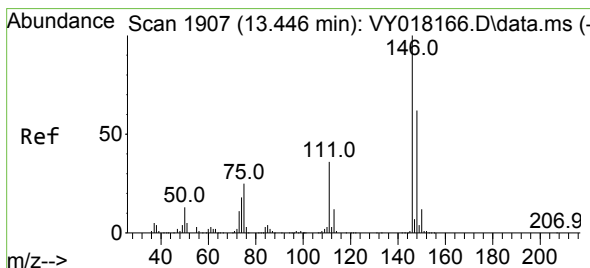
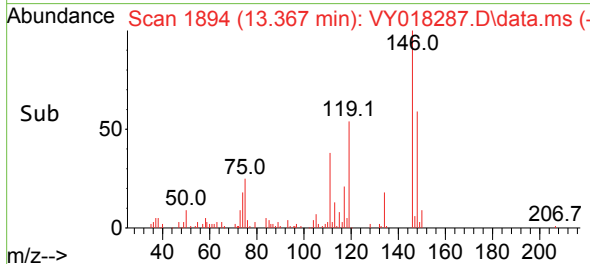
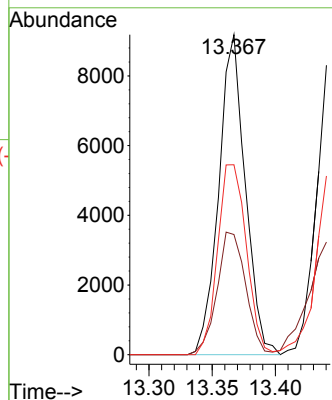
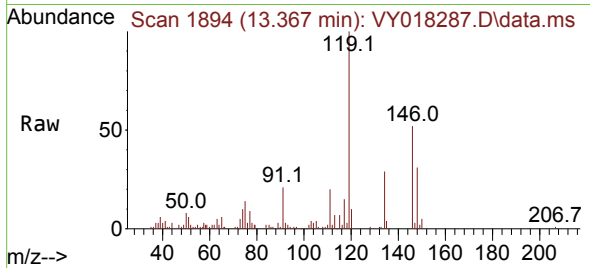




#87
1,3-Dichlorobenzene
Concen: 3.575 ug/l
RT: 13.367 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

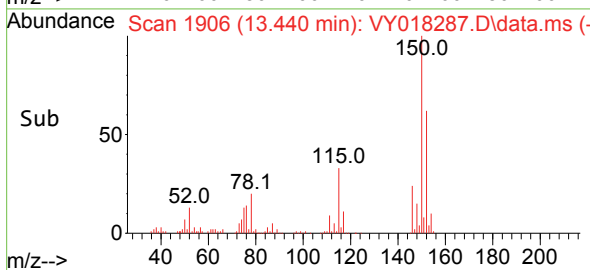
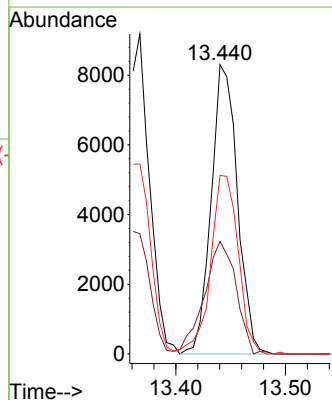
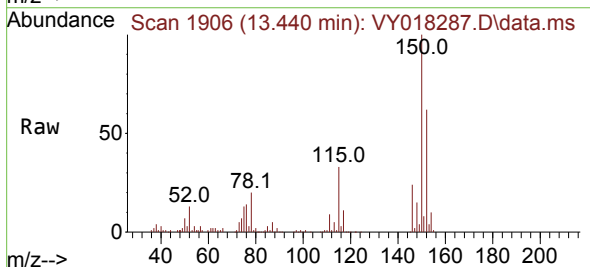
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

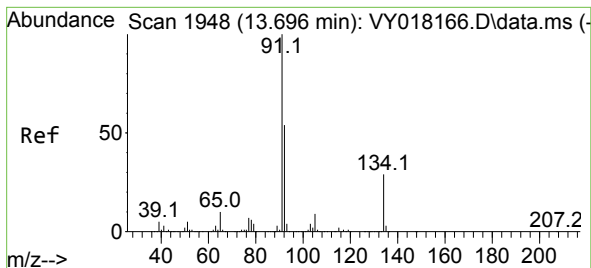
Tgt Ion:146 Resp: 13361
Ion Ratio Lower Upper
146 100
111 41.6 19.0 57.0
148 64.4 31.7 95.1



#88
1,4-Dichlorobenzene
Concen: 3.793 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY018287.D
Acq: 16 May 2024 15:36

Tgt Ion:146 Resp: 13821
Ion Ratio Lower Upper
146 100
111 47.3 18.4 55.4
148 64.7 32.4 97.2





#89

n-Butylbenzene

Concen: 3.574 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

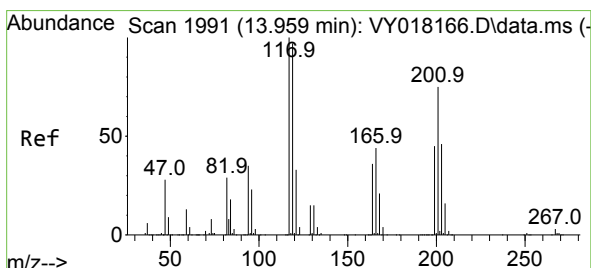
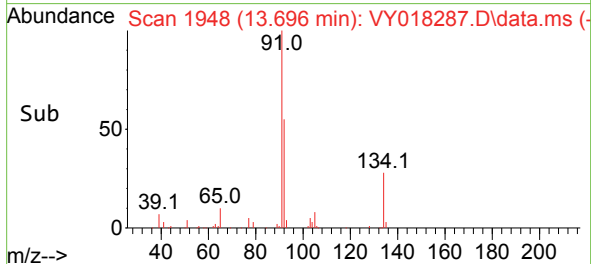
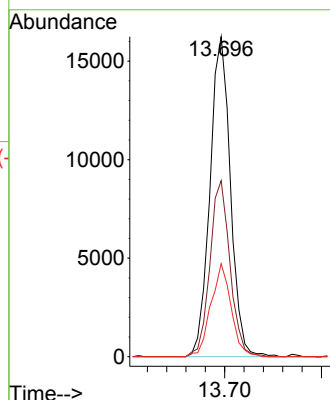
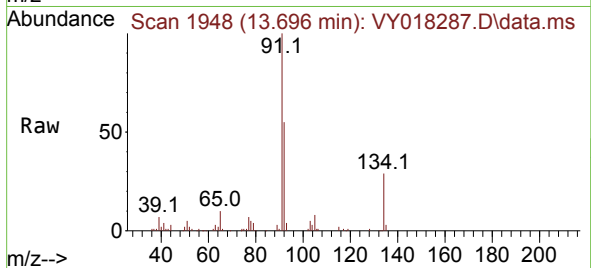
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:	91	Resp:	23912
Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.6	79.7
134	28.8	12.9	38.7



#90

Hexachloroethane

Concen: 3.034 ug/l

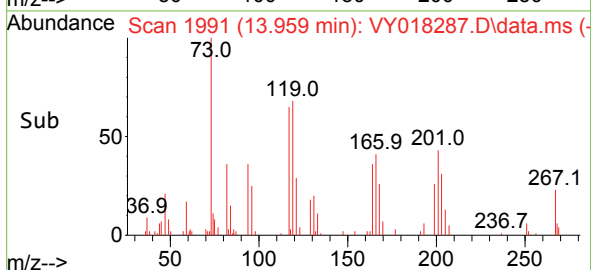
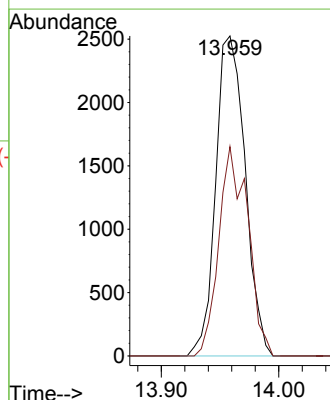
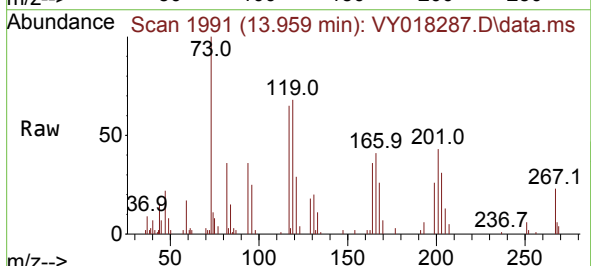
RT: 13.959 min Scan# 1991

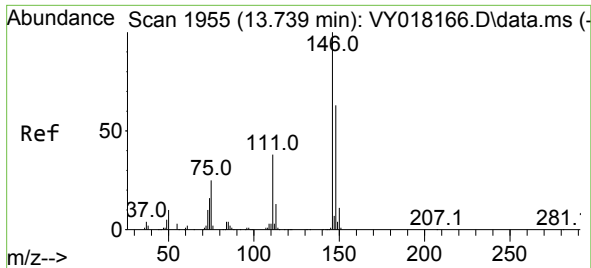
Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Tgt Ion:	117	Resp:	4401
Ion	Ratio	Lower	Upper
117	100		
201	64.6	37.4	112.2

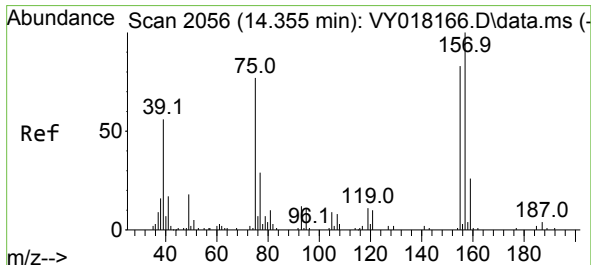
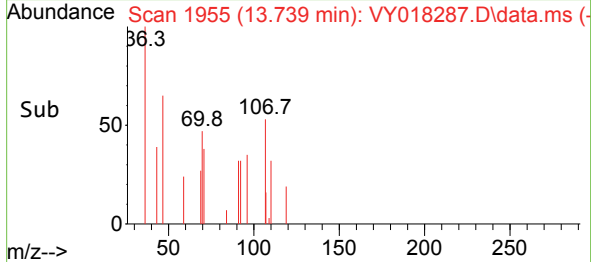
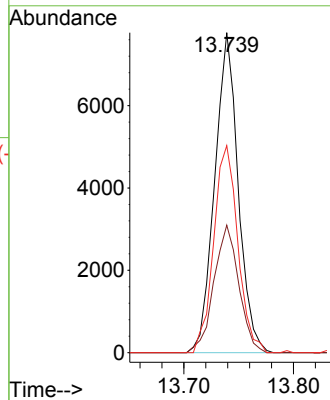
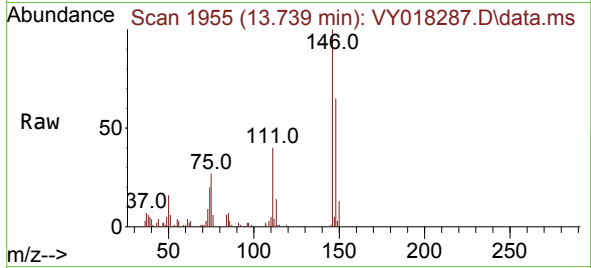




#91
 1,2-Dichlorobenzene
 Concen: 3.597 ug/l
 RT: 13.739 min Scan# 1955
 Delta R.T. -0.000 min
 Lab File: VY018287.D
 Acq: 16 May 2024 15:36

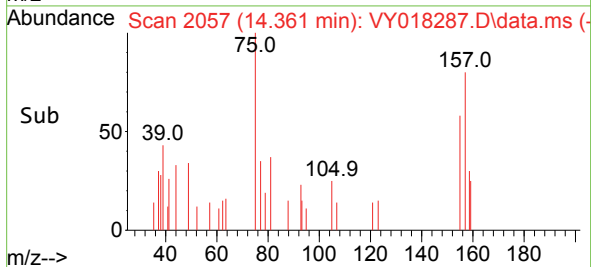
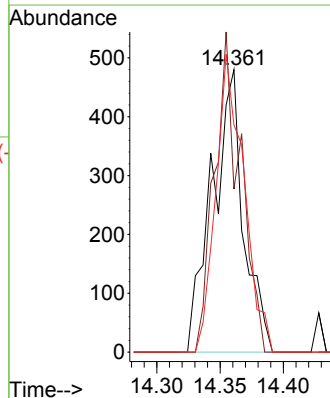
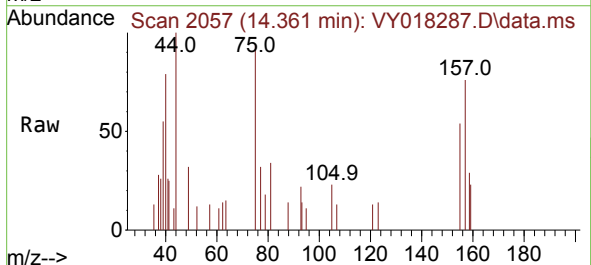
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

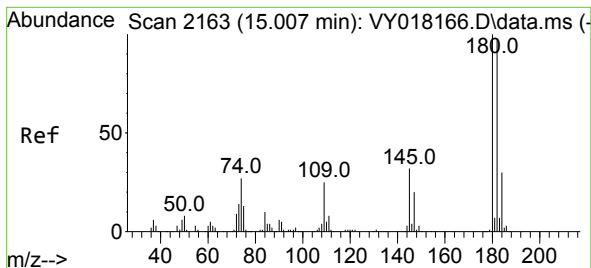
Tgt Ion:	146	Resp:	11555
Ion	Ratio	Lower	Upper
146	100		
111	42.4	19.9	59.7
148	66.7	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.541 ug/l
 RT: 14.361 min Scan# 2057
 Delta R.T. 0.006 min
 Lab File: VY018287.D
 Acq: 16 May 2024 15:36

Tgt Ion:	75	Resp:	831
Ion	Ratio	Lower	Upper
75	100		
155	94.1	48.6	145.8
157	93.9	62.7	188.2





#93

1,2,4-Trichlorobenzene

Concen: 3.440 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

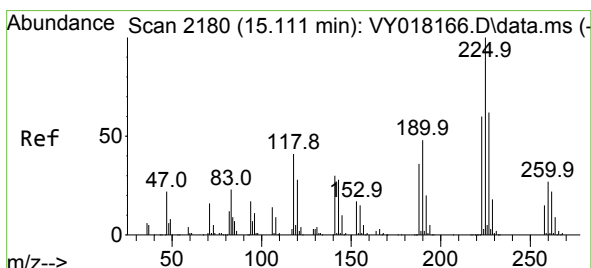
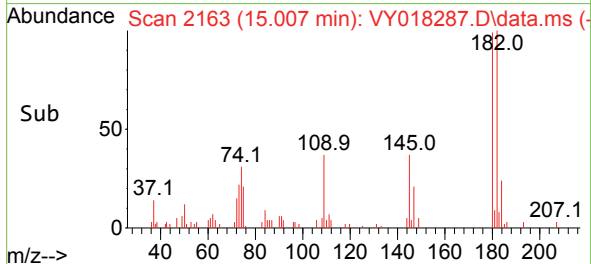
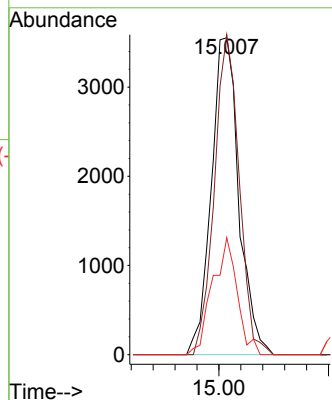
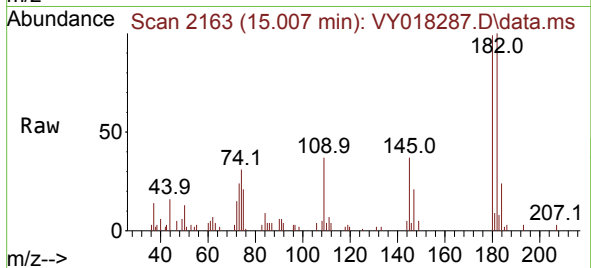
Tgt Ion:180 Resp: 6213

Ion Ratio Lower Upper

180 100

182 90.6 47.9 143.8

145 33.1 14.2 42.6



#94

Hexachlorobutadiene

Concen: 3.577 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

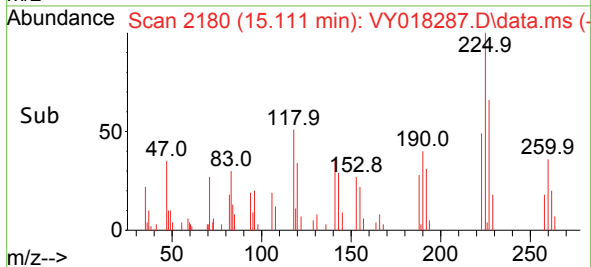
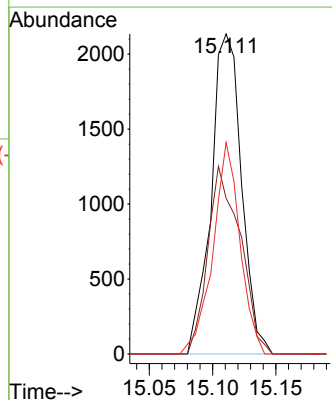
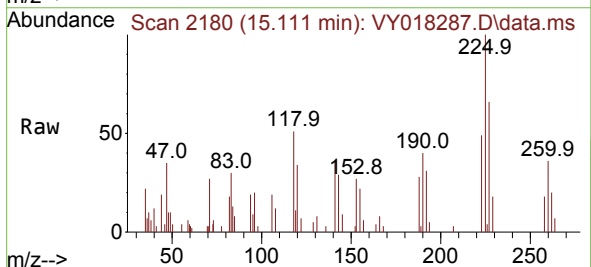
Tgt Ion:225 Resp: 3564

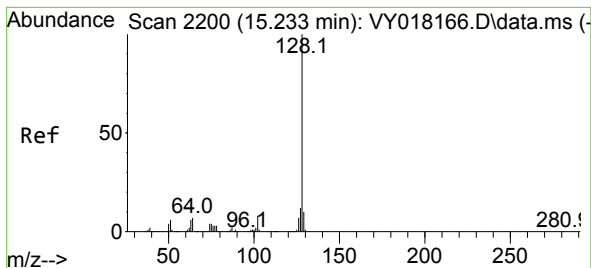
Ion Ratio Lower Upper

225 100

223 62.5 30.4 91.2

227 58.7 31.9 95.9





#95

Naphthalene

Concen: 3.541 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

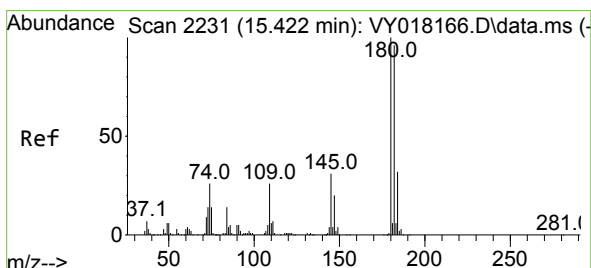
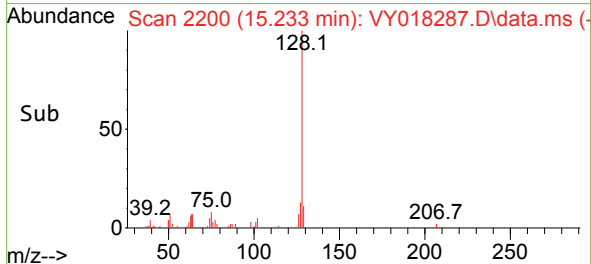
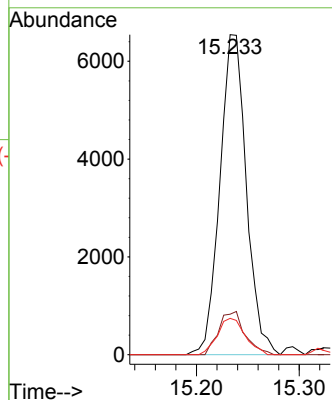
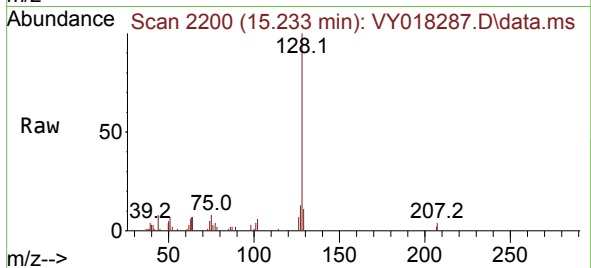
Tgt Ion:128 Resp: 11719

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 11.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 3.435 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY018287.D

Acq: 16 May 2024 15:36

Tgt Ion:180 Resp: 5091

Ion Ratio Lower Upper

180 100

182 100.1 47.6 142.9

145 37.6 15.4 46.1

