

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051524\
 Data File : VY018268.D
 Acq On : 15 May 2024 11:43
 Operator : SY/MD
 Sample : P2403-03 4 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: May 16 03:55:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 03:54:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	168524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	306102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	263510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	111988	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	78275	63.136	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.280%	
35) Dibromofluoromethane	7.709	113	89098	55.385	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.760%	
50) Toluene-d8	10.179	98	349823	55.183	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.360%	
62) 4-Bromofluorobenzene	12.483	95	109075	53.279	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.560%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6383	4.776	ug/l	93
3) Chloromethane	2.107	50	10426	5.828	ug/l	98
4) Vinyl Chloride	2.247	62	10743	4.954	ug/l	97
5) Bromomethane	2.649	94	9308	6.180	ug/l	96
6) Chloroethane	2.783	64	7815	5.678	ug/l	92
7) Trichlorofluoromethane	3.119	101	11533	4.540	ug/l	89
8) Diethyl Ether	3.515	74	4468	5.343	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.893	101	7569	4.675	ug/l	94
10) Methyl Iodide	4.094	142	8997	4.759	ug/l	96
11) Tert butyl alcohol	4.929	59	5759	46.473	ug/l	98
12) 1,1-Dichloroethene	3.863	96	8400	5.154	ug/l	90
13) Acrolein	3.716	56	4563	34.144	ug/l	95
14) Allyl chloride	4.472	41	11063	5.336	ug/l	98
15) Acrylonitrile	5.149	53	8956	27.849	ug/l	95
16) Acetone	3.936	43	6877	27.796	ug/l	94
17) Carbon Disulfide	4.192	76	23980	5.405	ug/l	96
18) Methyl Acetate	4.466	43	4196	5.954	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	18635	5.133	ug/l #	90
20) Methylene Chloride	4.704	84	17680	10.110	ug/l	93
21) trans-1,2-Dichloroethene	5.216	96	9421	5.453	ug/l #	86
22) Diisopropyl ether	6.118	45	23514	5.346	ug/l	95
23) Vinyl Acetate	6.057	43	68206	25.515	ug/l	100
24) 1,1-Dichloroethane	6.009	63	15011	5.541	ug/l	95
25) 2-Butanone	6.978	43	10801	27.311	ug/l	89
26) 2,2-Dichloropropane	6.972	77	12036	4.909	ug/l #	73
27) cis-1,2-Dichloroethene	6.978	96	10348	5.068	ug/l	97
28) Bromochloromethane	7.325	49	6773	6.255	ug/l	100
29) Tetrahydrofuran	7.344	42	7818	29.948	ug/l	92
30) Chloroform	7.502	83	14612	5.167	ug/l	90
31) Cyclohexane	7.783	56	14586	5.672	ug/l #	67
32) 1,1,1-Trichloroethane	7.697	97	12808	5.053	ug/l	99
36) 1,1-Dichloropropene	7.911	75	11435	4.958	ug/l	98
37) Ethyl Acetate	7.069	43	5429	5.593	ug/l #	76
38) Carbon Tetrachloride	7.892	117	10773	4.275	ug/l	94
39) Methylcyclohexane	9.179	83	14271	4.289	ug/l	92
40) Benzene	8.161	78	36286	4.892	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	2739	4.887	ug/l #	79
42) 1,2-Dichloroethane	8.228	62	8135	5.040	ug/l	94
43) Isopropyl Acetate	8.270	43	9682	4.866	ug/l	99
44) Trichloroethene	8.941	130	9273	4.592	ug/l	95
45) 1,2-Dichloropropane	9.215	63	7775	4.794	ug/l	99
46) Dibromomethane	9.307	93	4433	4.755	ug/l	96
47) Bromodichloromethane	9.502	83	10736	4.658	ug/l #	92
48) Methyl methacrylate	9.295	41	3883	4.258	ug/l #	92
49) 1,4-Dioxane	9.307	88	1183	95.591	ug/l #	20
51) 4-Methyl-2-Pentanone	10.069	43	23592	23.592	ug/l	95
52) Toluene	10.239	92	22072	4.622	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	9449	4.389	ug/l	89
54) cis-1,3-Dichloropropene	9.929	75	11728	4.456	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	6245	4.876	ug/l	92
56) Ethyl methacrylate	10.514	69	7433	4.273	ug/l #	86
57) 1,3-Dichloropropane	10.788	76	10267	4.925	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	17851	21.492	ug/l	96
59) 2-Hexanone	10.831	43	15599	22.310	ug/l	90
60) Dibromochloromethane	10.983	129	6883	4.142	ug/l	99
61) 1,2-Dibromoethane	11.087	107	5753	4.769	ug/l	97
64) Tetrachloroethene	10.721	164	8135	4.637	ug/l	92
65) Chlorobenzene	11.514	112	23581	4.394	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.587	131	7301	4.206	ug/l	99
67) Ethyl Benzene	11.593	91	40835	4.506	ug/l	97
68) m/p-Xylenes	11.703	106	31841	8.886	ug/l	98
69) o-Xylene	12.032	106	14974	4.354	ug/l	97
70) Styrene	12.044	104	24220	4.217	ug/l	99
71) Bromoform	12.209	173	3815	3.972	ug/l #	97
73) Isopropylbenzene	12.331	105	38580	4.595	ug/l	100
74) N-amyl acetate	12.148	43	7614	4.368	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.581	83	6548	4.889	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	8232	9.183	ug/l #	100
77) Bromobenzene	12.605	156	8477	4.395	ug/l	97
78) n-propylbenzene	12.672	91	46654	4.777	ug/l	99
79) 2-Chlorotoluene	12.757	91	25779	4.750	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	30349	4.584	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	2254	4.845	ug/l	92
82) 4-Chlorotoluene	12.855	91	26035	4.776	ug/l	95
83) tert-Butylbenzene	13.074	119	28496	4.666	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	30500	4.703	ug/l	98
85) sec-Butylbenzene	13.251	105	40429	4.513	ug/l	100
86) p-Isopropyltoluene	13.373	119	33583	4.557	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	16427	4.410	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	17604	4.848	ug/l	94
89) n-Butylbenzene	13.696	91	29815	4.471	ug/l	97
90) Hexachloroethane	13.958	117	6312	4.366	ug/l	94
91) 1,2-Dichlorobenzene	13.739	146	15260	4.766	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	854	4.683	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	7061	3.923	ug/l	95
94) Hexachlorobutadiene	15.117	225	3982	4.009	ug/l	97
95) Naphthalene	15.239	128	12758	3.868	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	5871	3.974	ug/l	94

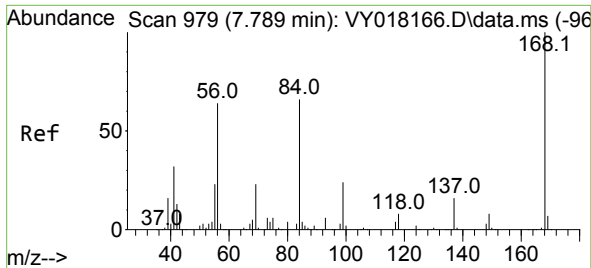
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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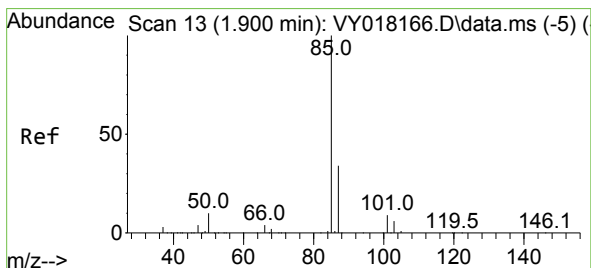
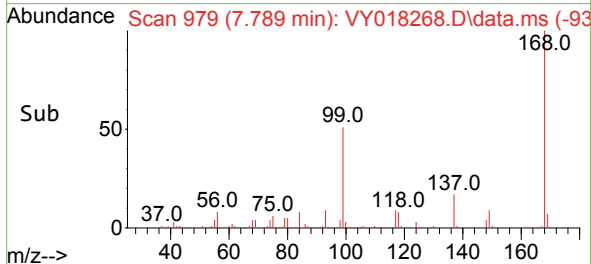
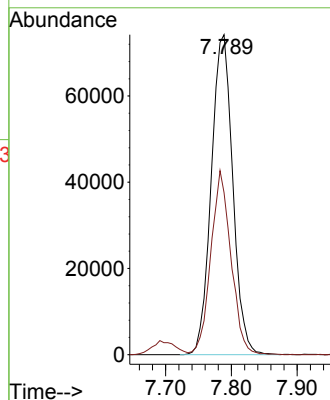
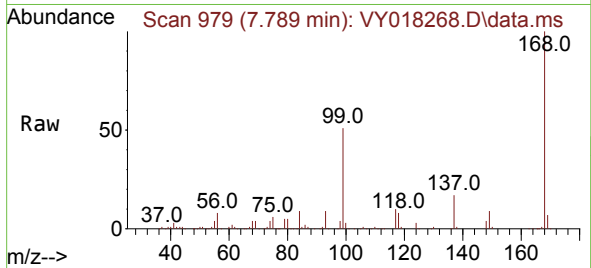
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

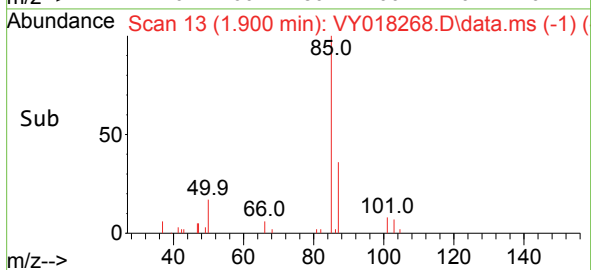
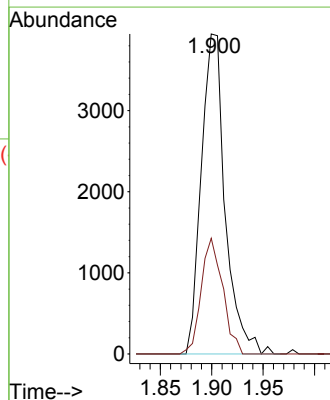
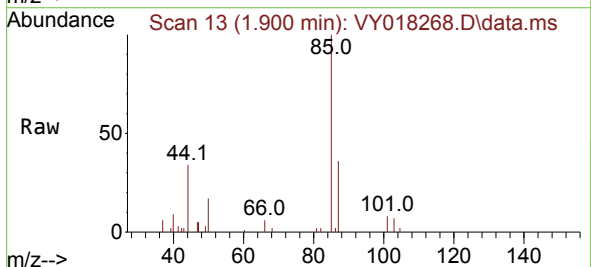
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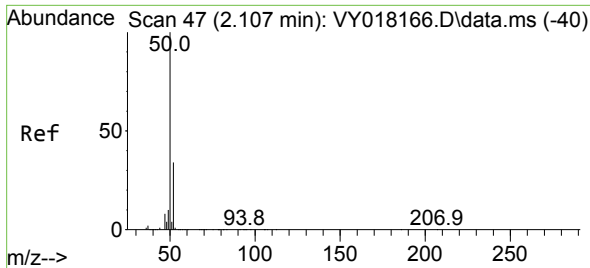
Tgt Ion:168 Resp: 168524
Ion Ratio Lower Upper
168 100
99 50.6 39.1 58.7



#2
Dichlorodifluoromethane
Concen: 4.776 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 85 Resp: 6383
Ion Ratio Lower Upper
85 100
87 36.1 16.0 48.0

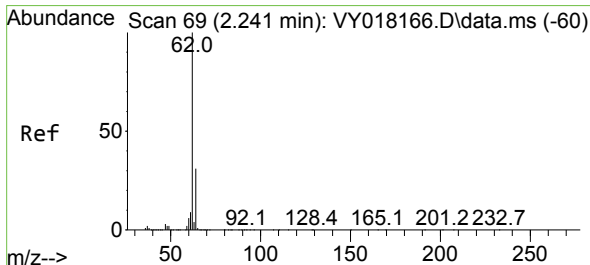
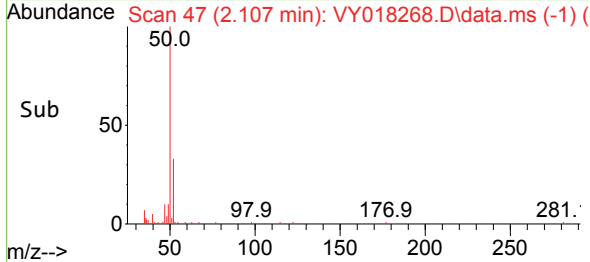
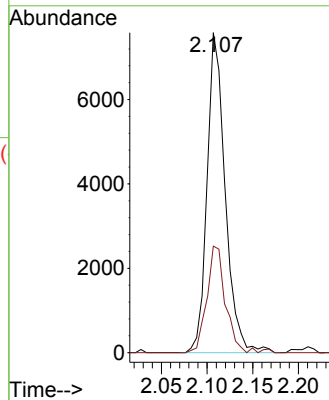
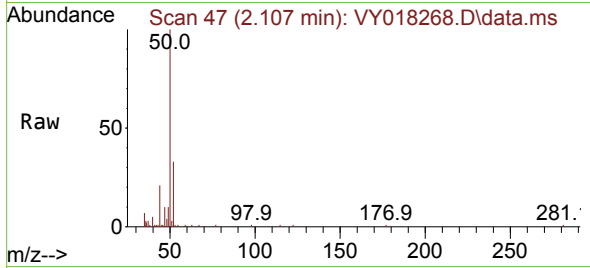




#3
Chloromethane
Concen: 5.828 ug/l
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

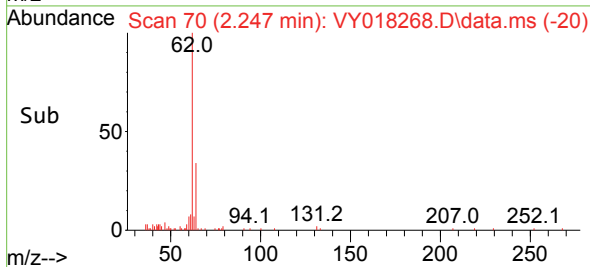
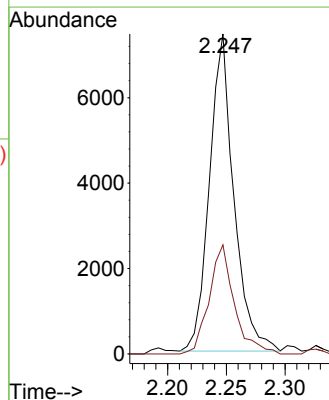
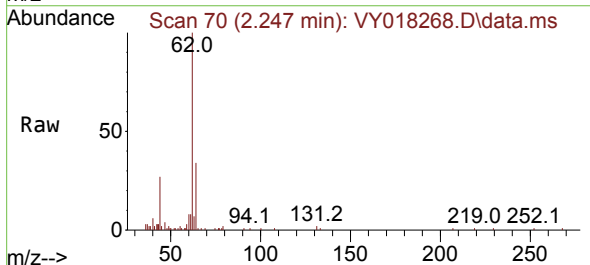
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ClientSampleId :
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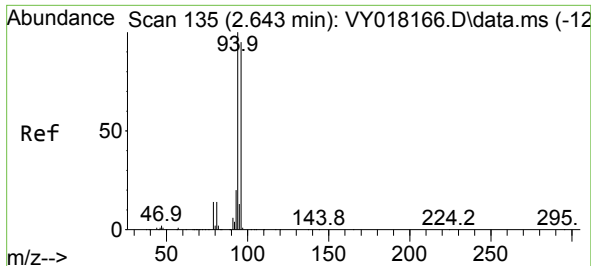
Tgt Ion: 50 Resp: 10426
Ion Ratio Lower Upper
50 100
52 33.3 25.6 38.4



#4
Vinyl Chloride
Concen: 4.954 ug/l
RT: 2.247 min Scan# 70
Delta R.T. 0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 62 Resp: 10743
Ion Ratio Lower Upper
62 100
64 34.4 26.1 39.1

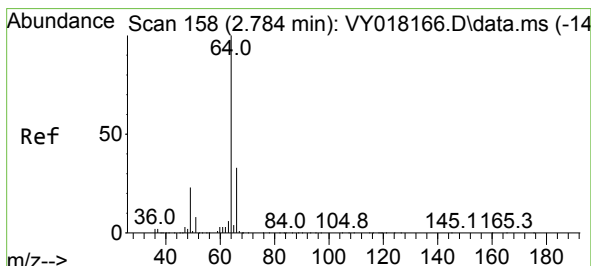
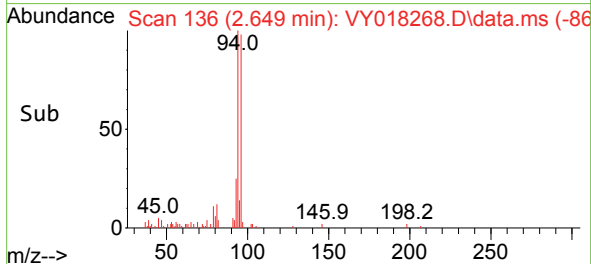
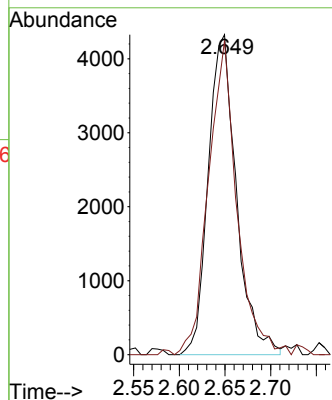
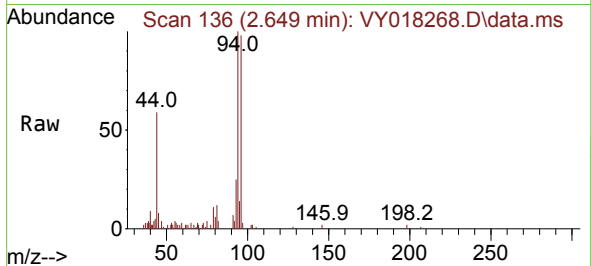




#5
Bromomethane
Concen: 6.180 ug/l
RT: 2.649 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

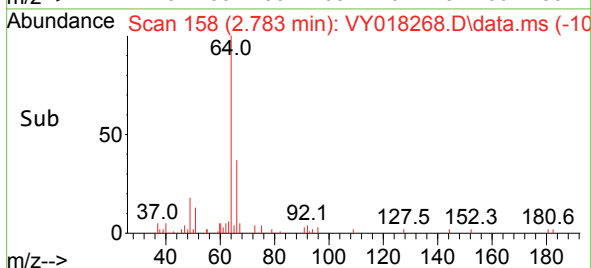
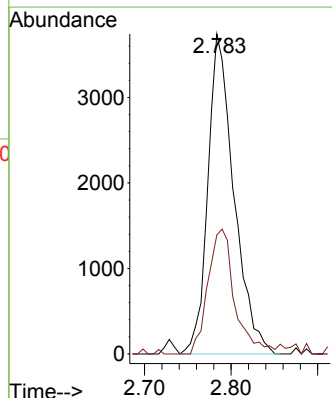
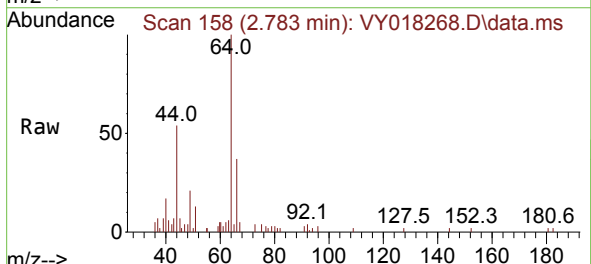
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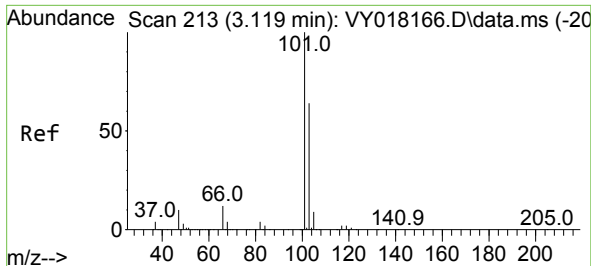
Tgt Ion: 94 Resp: 9308
Ion Ratio Lower Upper
94 100
96 96.9 74.1 111.1



#6
Chloroethane
Concen: 5.678 ug/l
RT: 2.783 min Scan# 158
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 64 Resp: 7815
Ion Ratio Lower Upper
64 100
66 37.2 26.1 39.1

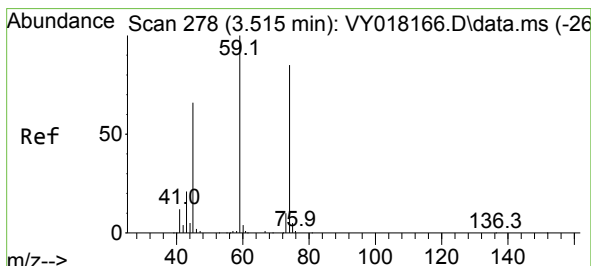
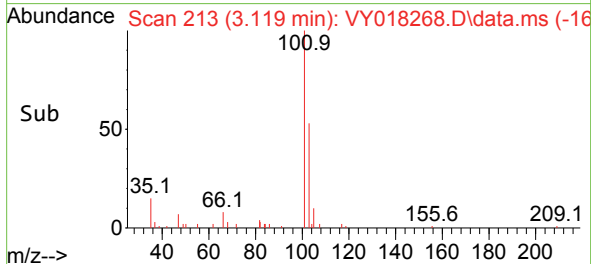
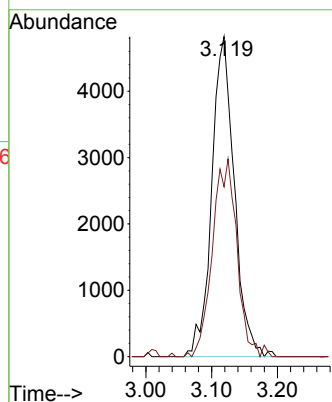
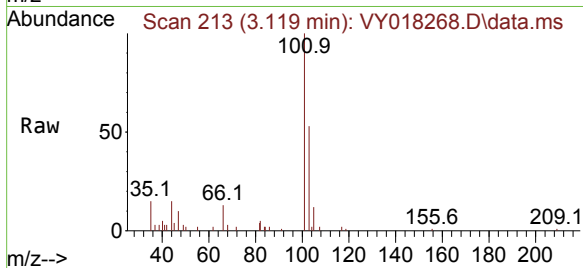




#7
 Trichlorofluoromethane
 Concen: 4.540 ug/l
 RT: 3.119 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VY018268.D
 Acq: 15 May 2024 11:43

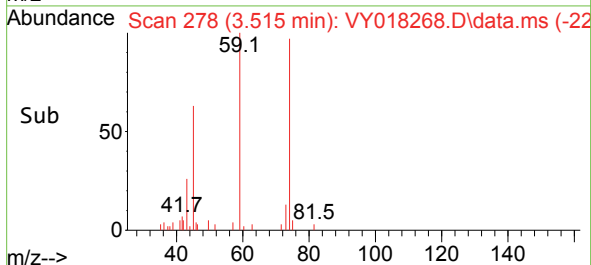
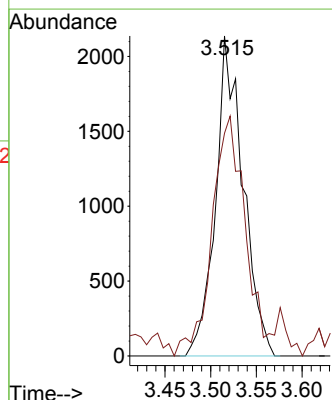
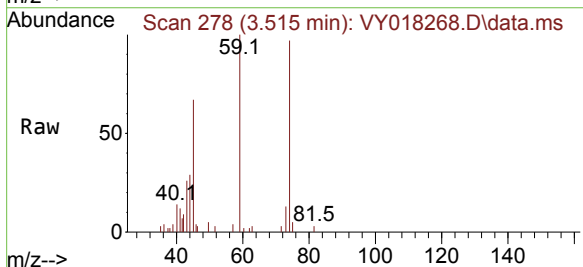
Instrument : MSVOA_Y
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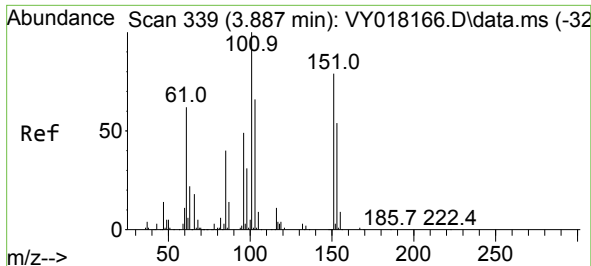
Tgt Ion: 101 Resp: 11533
 Ion Ratio Lower Upper
 101 100
 103 53.1 49.3 73.9



#8
 Diethyl Ether
 Concen: 5.343 ug/l
 RT: 3.515 min Scan# 278
 Delta R.T. -0.000 min
 Lab File: VY018268.D
 Acq: 15 May 2024 11:43

Tgt Ion: 74 Resp: 4468
 Ion Ratio Lower Upper
 74 100
 45 91.2 41.3 124.1

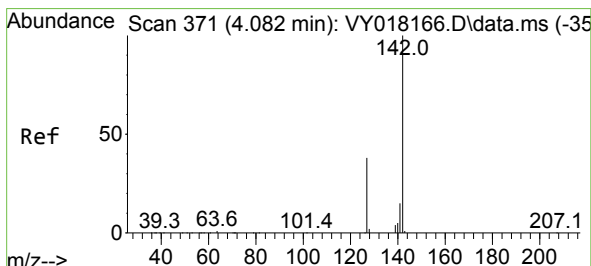
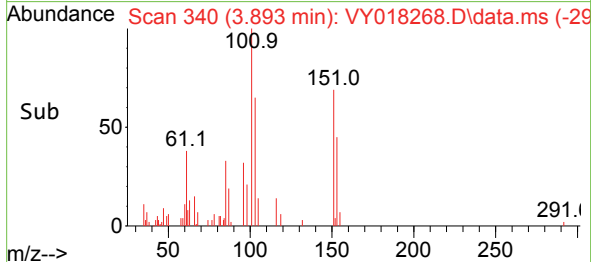
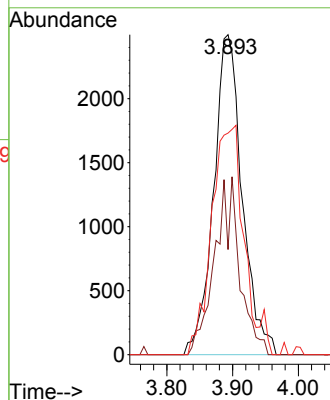
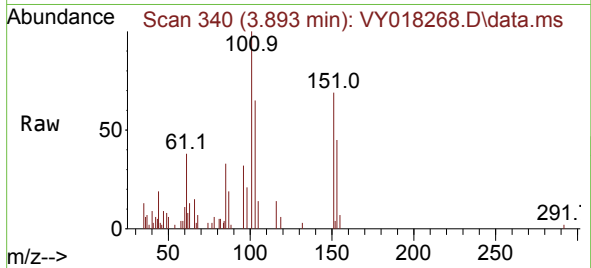




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.675 ug/l
RT: 3.893 min Scan# 341
Delta R.T. 0.006 min
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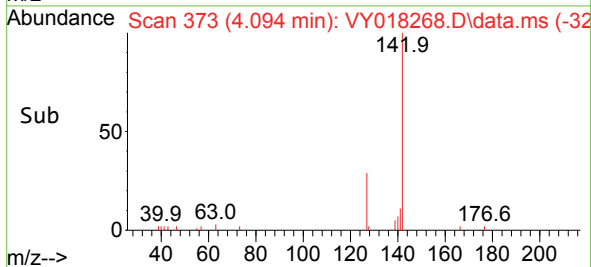
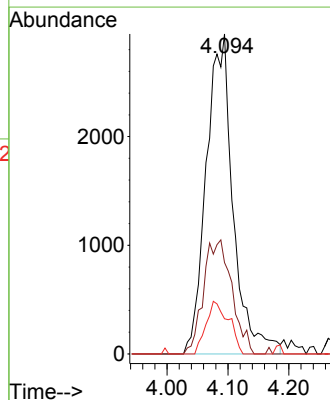
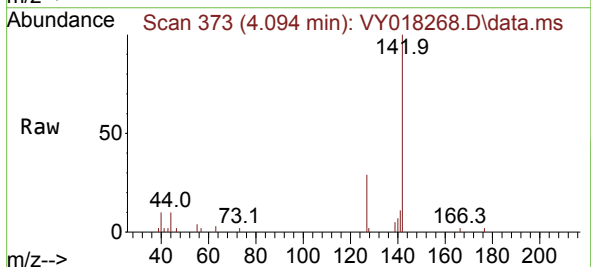
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

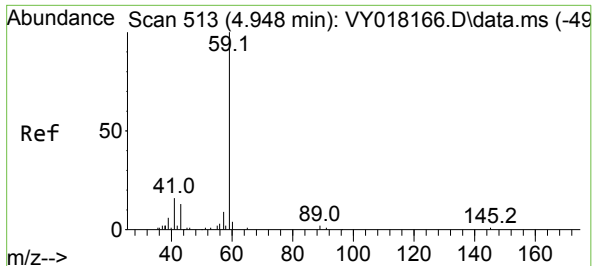
Tgt Ion:101 Resp: 7569
Ion Ratio Lower Upper
101 100
85 48.3 34.5 51.7
151 81.2 61.7 92.5



#10
Methyl Iodide
Concen: 4.759 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion:142 Resp: 8997
Ion Ratio Lower Upper
142 100
127 37.8 32.8 49.2
141 13.9 11.4 17.2





#11

Tert butyl alcohol

Concen: 46.473 ug/l

RT: 4.929 min Scan# 513

Delta R.T. -0.019 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

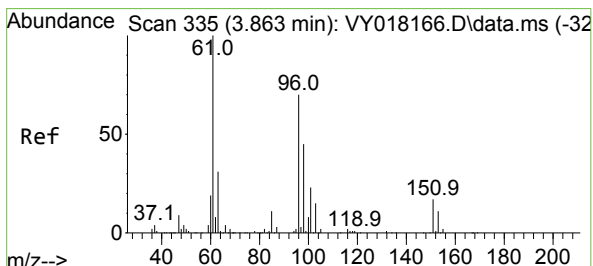
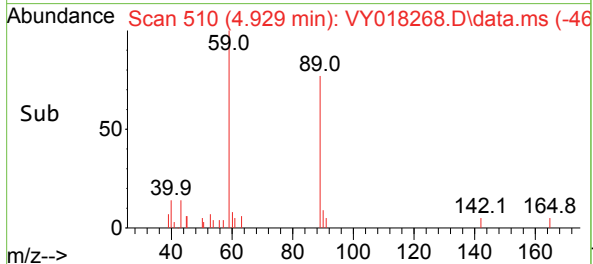
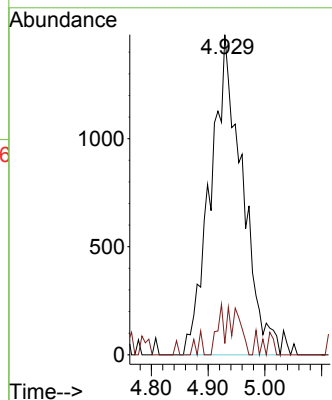
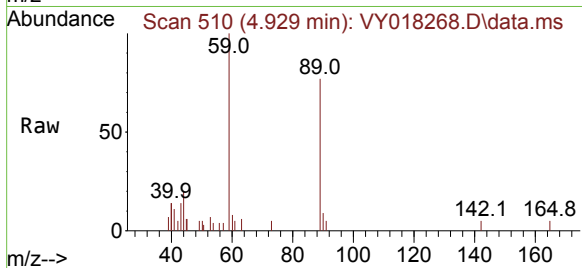
MDL-SOIL-03-QT2-2024

Tgt Ion: 59 Resp: 5759

Ion Ratio Lower Upper

59 100

57 3.2 3.0 4.6



#12

1,1-Dichloroethene

Concen: 5.154 ug/l

RT: 3.863 min Scan# 335

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

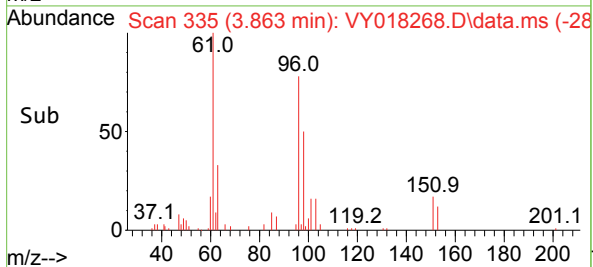
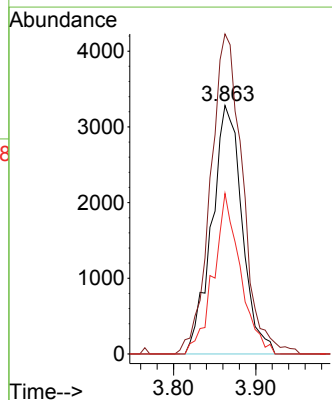
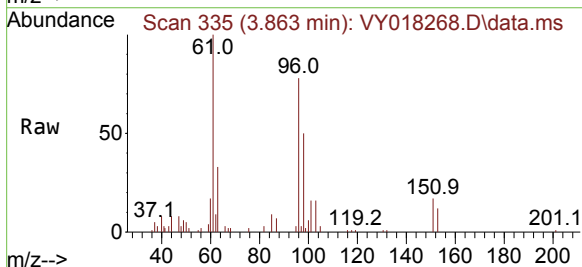
Tgt Ion: 96 Resp: 8400

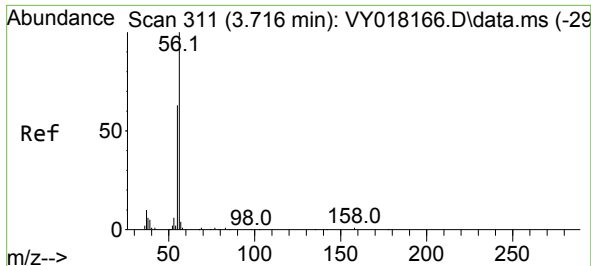
Ion Ratio Lower Upper

96 100

61 126.1 114.6 171.8

98 64.6 50.8 76.2

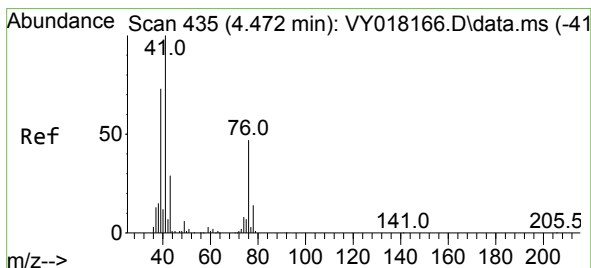
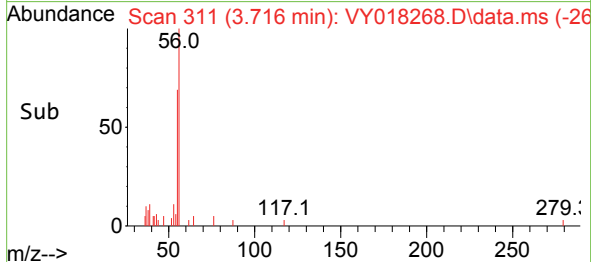
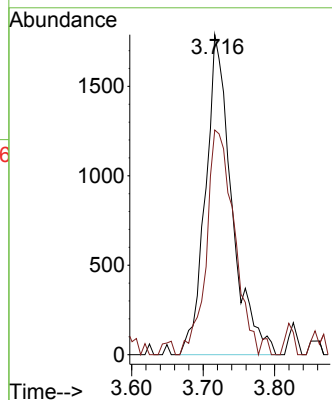
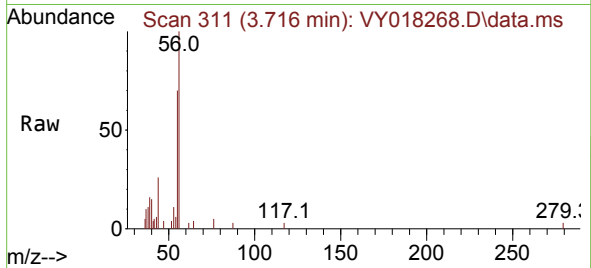




#13
Acrolein
Concen: 34.144 ug/l
RT: 3.716 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

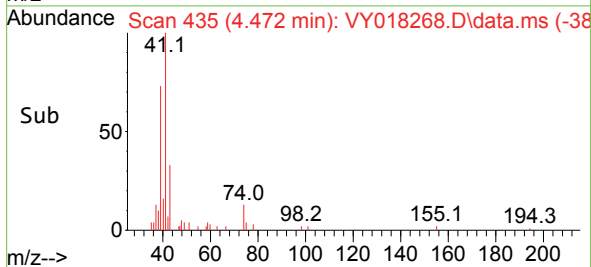
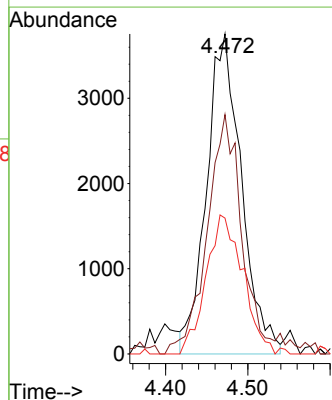
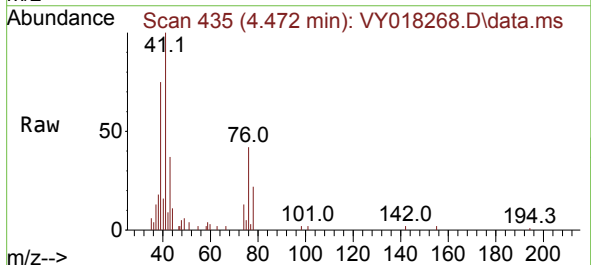
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

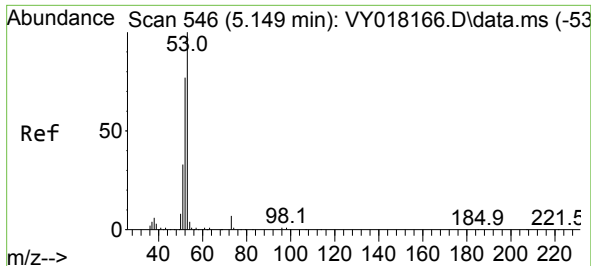
Tgt Ion: 56 Resp: 4563
Ion Ratio Lower Upper
56 100
55 73.7 55.7 83.5



#14
Allyl chloride
Concen: 5.336 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 41 Resp: 11063
Ion Ratio Lower Upper
41 100
39 74.1 58.3 87.5
76 46.1 39.0 58.6

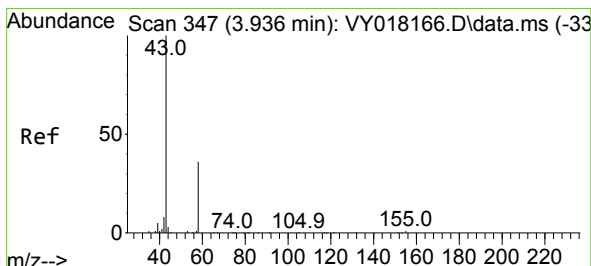
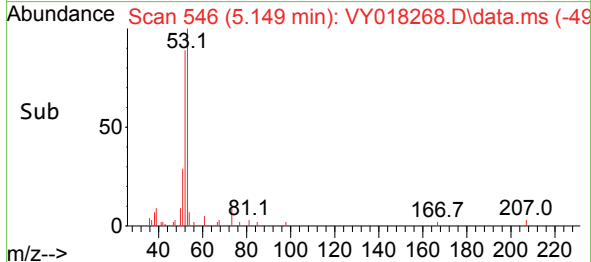
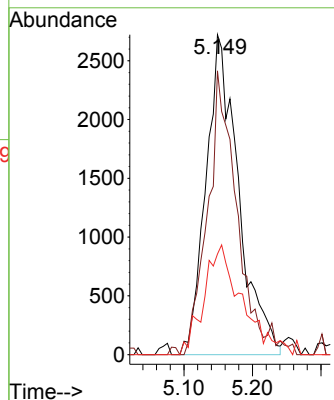
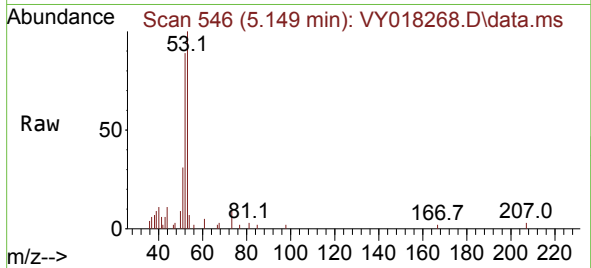




#15
Acrylonitrile
Concen: 27.849 ug/l
RT: 5.149 min Scan# 546
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

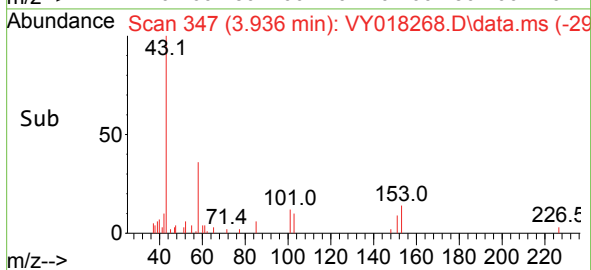
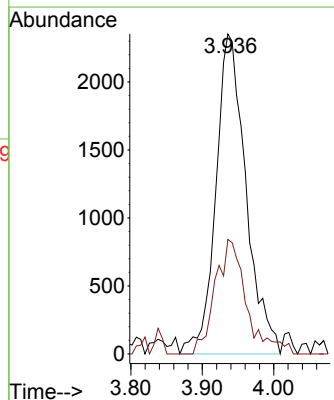
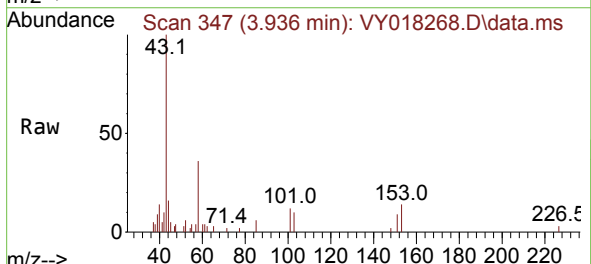
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

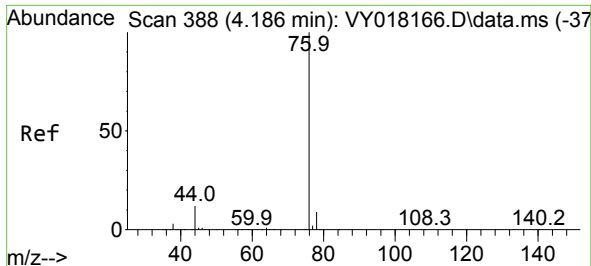
Tgt Ion:	53	Resp:	8956
Ion	Ratio	Lower	Upper
53	100		
52	77.3	64.7	97.1
51	40.3	28.4	42.6



#16
Acetone
Concen: 27.796 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion:	43	Resp:	6877
Ion	Ratio	Lower	Upper
43	100		
58	35.8	31.7	47.5

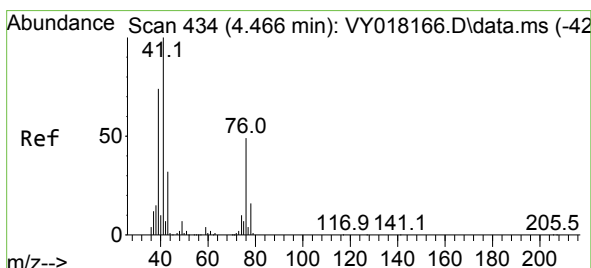
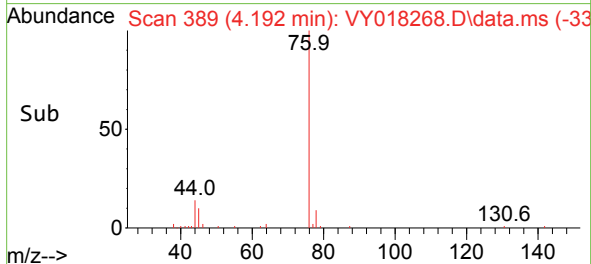
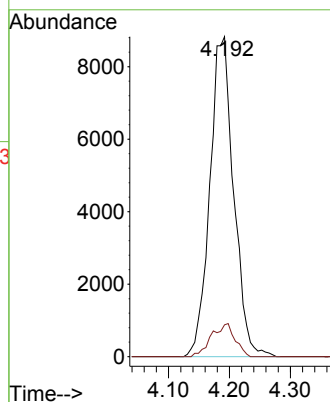
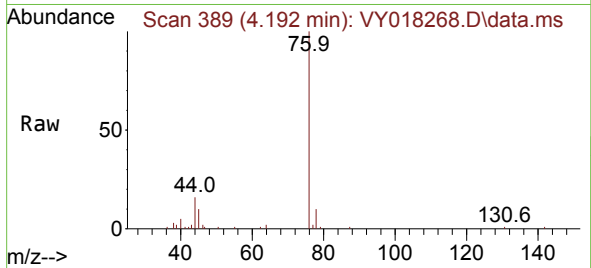




#17
Carbon Disulfide
Concen: 5.405 ug/l
RT: 4.192 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

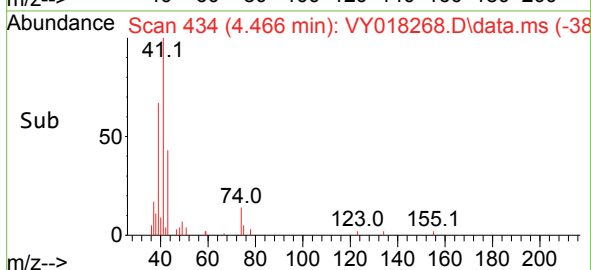
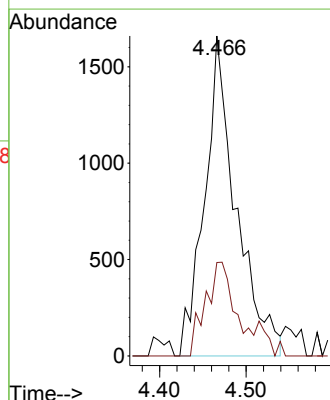
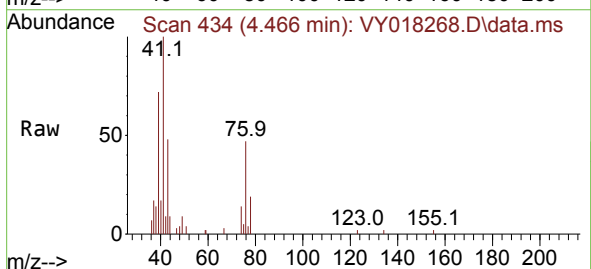
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

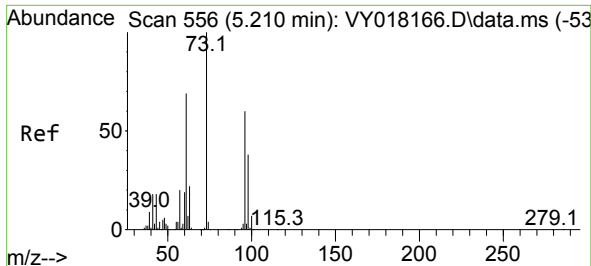
Tgt Ion: 76 Resp: 23980
Ion Ratio Lower Upper
76 100
78 9.9 6.8 10.2



#18
Methyl Acetate
Concen: 5.954 ug/l
RT: 4.466 min Scan# 434
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 43 Resp: 4196
Ion Ratio Lower Upper
43 100
74 27.7 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 5.133 ug/l

RT: 5.216 min Scan# 5

Delta R.T. 0.006 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

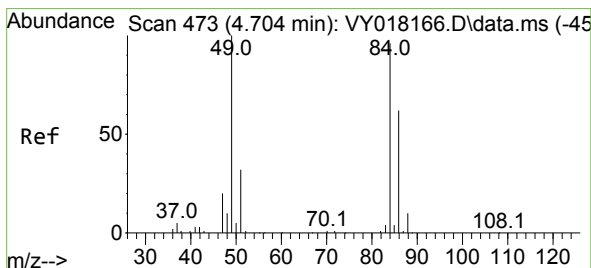
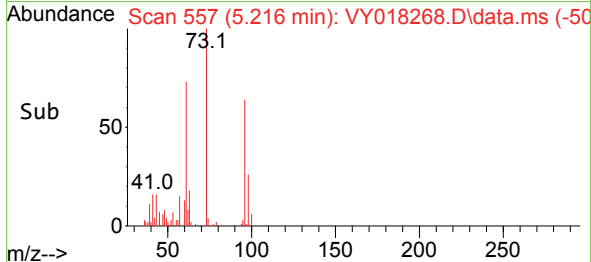
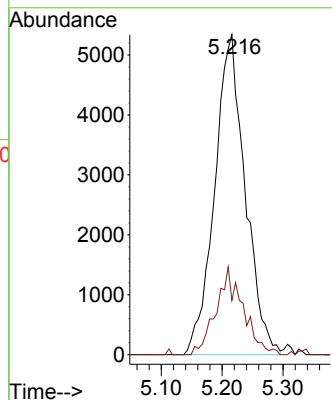
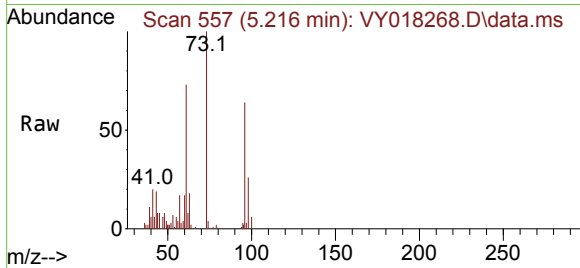
MDL-SOIL-03-QT2-2024

Tgt Ion: 73 Resp: 18635

Ion Ratio Lower Upper

73 100

57 16.9 17.3 25.9#



#20

Methylene Chloride

Concen: 10.110 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Tgt Ion: 84 Resp: 17680

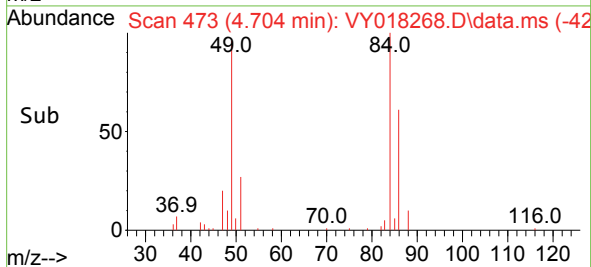
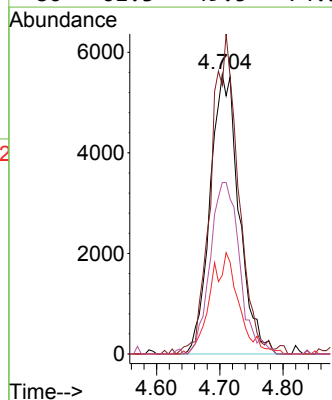
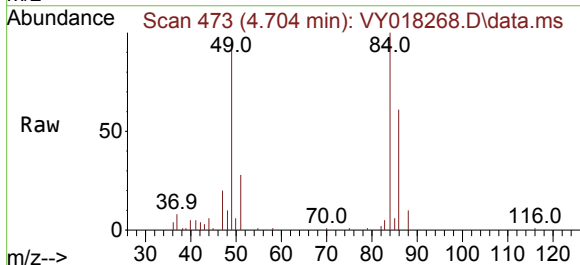
Ion Ratio Lower Upper

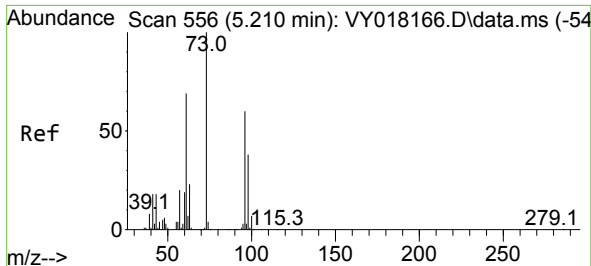
84 100

49 95.0 84.4 126.6

51 28.2 26.0 39.0

86 61.3 49.5 74.3

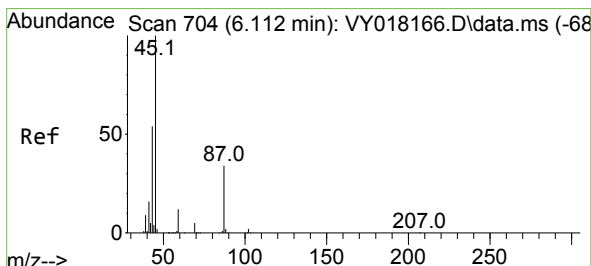
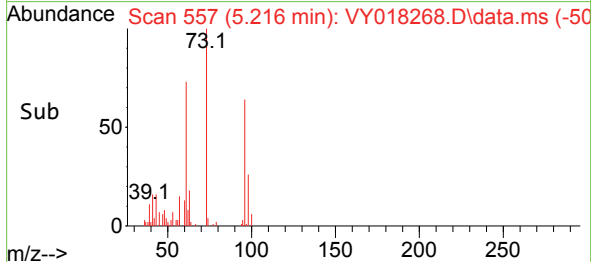
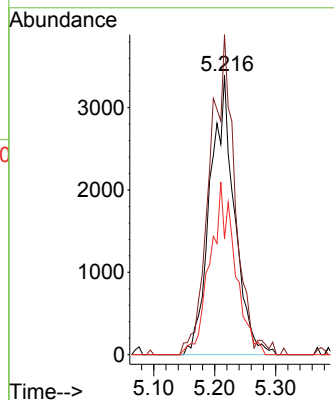
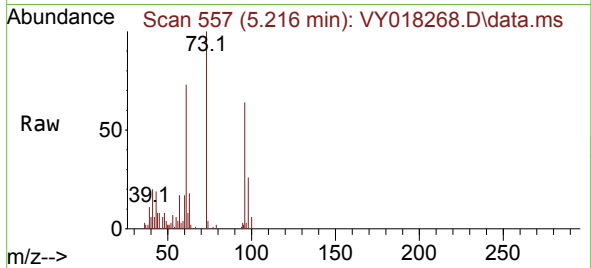




#21
trans-1,2-Dichloroethene
Concen: 5.453 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

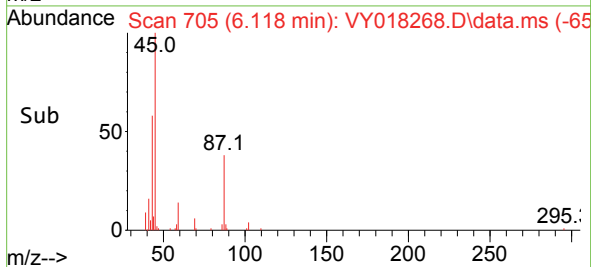
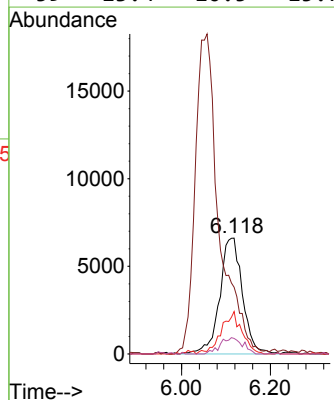
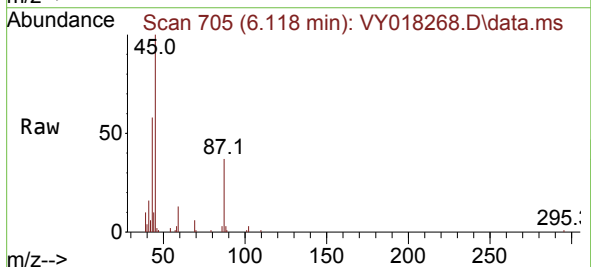
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

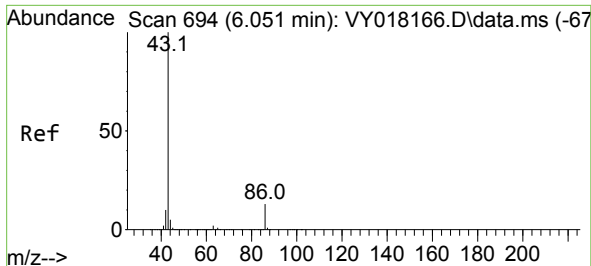
Tgt Ion: 96 Resp: 9421
Ion Ratio Lower Upper
96 100
61 114.6 97.5 146.3
98 41.5 50.5 75.7#



#22
Diisopropyl ether
Concen: 5.346 ug/l
RT: 6.118 min Scan# 705
Delta R.T. 0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 45 Resp: 23514
Ion Ratio Lower Upper
45 100
43 54.9 42.2 63.2
87 36.6 25.0 37.6
59 13.4 10.5 15.7

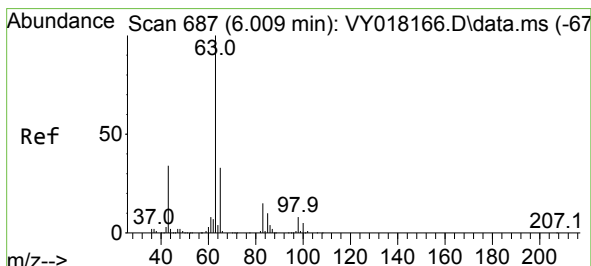
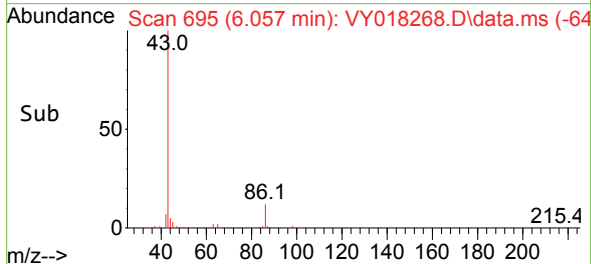
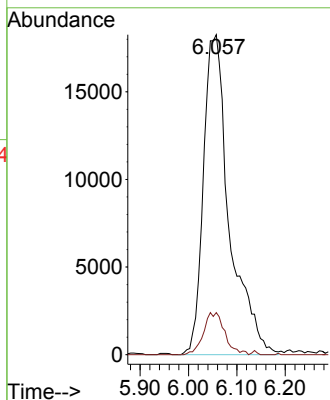
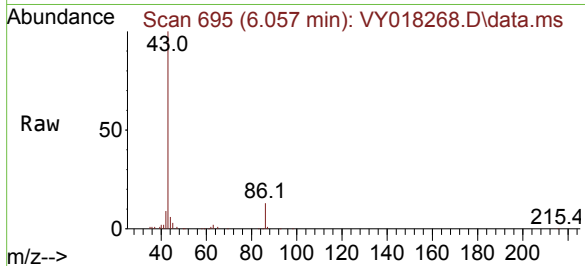




#23
 Vinyl Acetate
 Concen: 25.515 ug/l
 RT: 6.057 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VY018268.D
 Acq: 15 May 2024 11:43

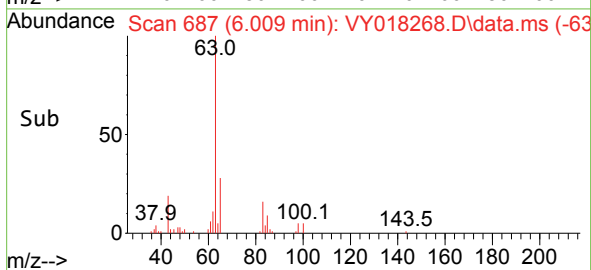
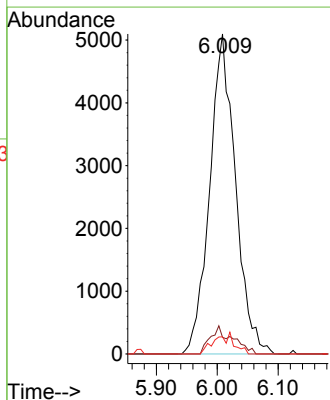
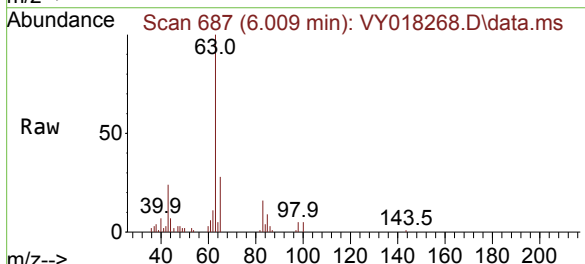
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

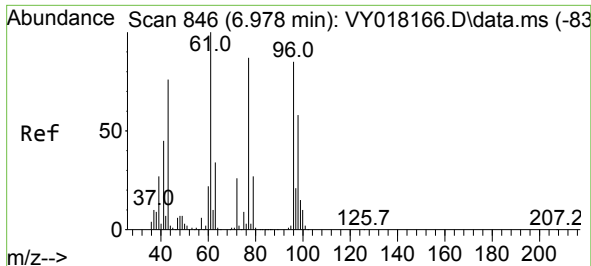
Tgt Ion: 43 Resp: 68206
 Ion Ratio Lower Upper
 43 100
 86 13.2 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 5.541 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.000 min
 Lab File: VY018268.D
 Acq: 15 May 2024 11:43

Tgt Ion: 63 Resp: 15011
 Ion Ratio Lower Upper
 63 100
 98 5.2 4.0 12.2
 100 5.4 2.6 8.0

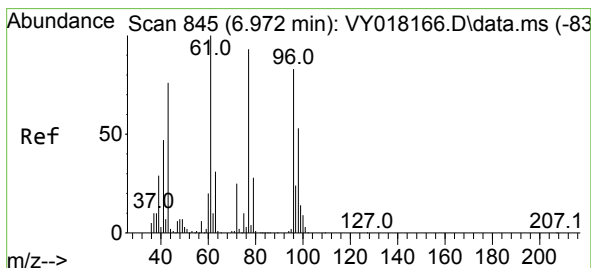
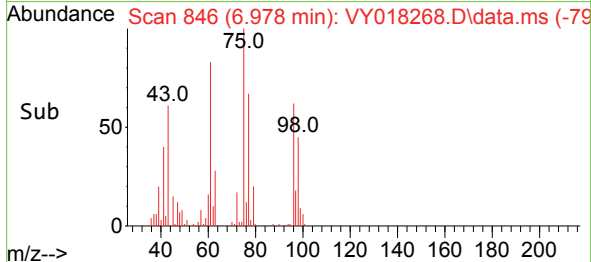
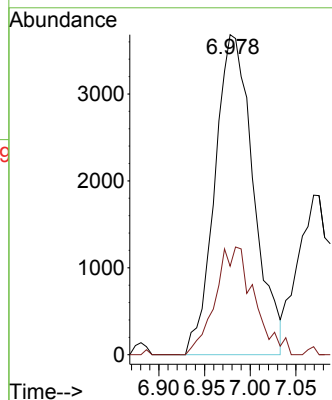
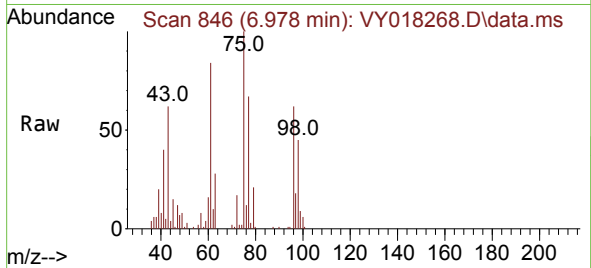




#25
2-Butanone
Concen: 27.311 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

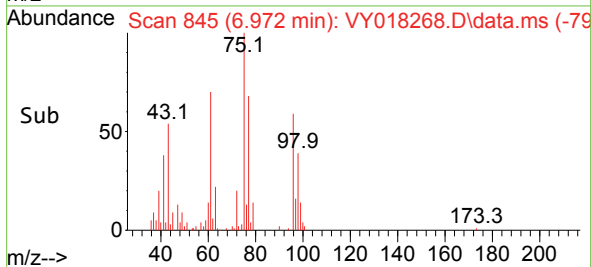
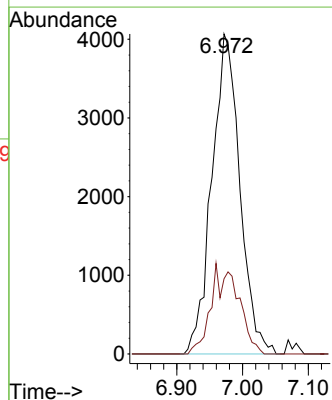
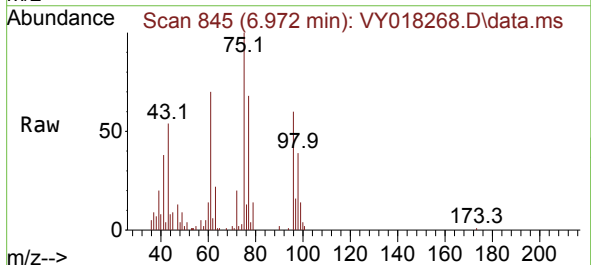
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

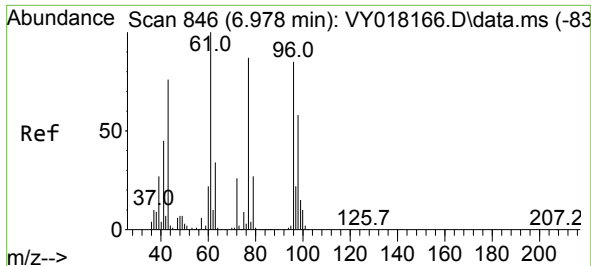
Tgt Ion: 43 Resp: 10801
Ion Ratio Lower Upper
43 100
72 27.7 27.3 40.9



#26
2,2-Dichloropropane
Concen: 4.909 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 77 Resp: 12036
Ion Ratio Lower Upper
77 100
97 10.8 12.0 36.1#

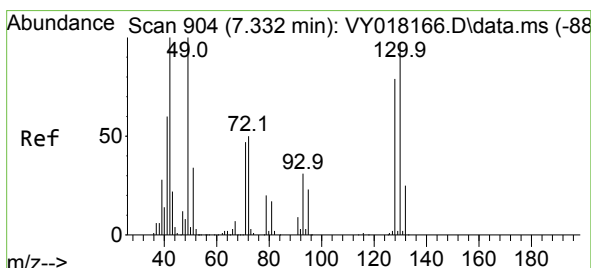
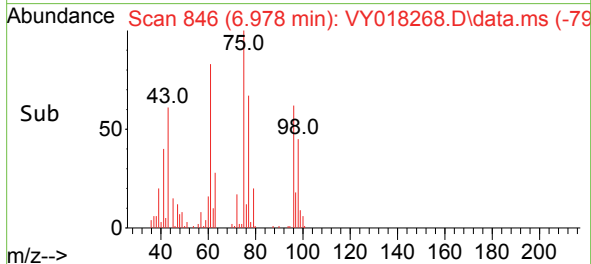
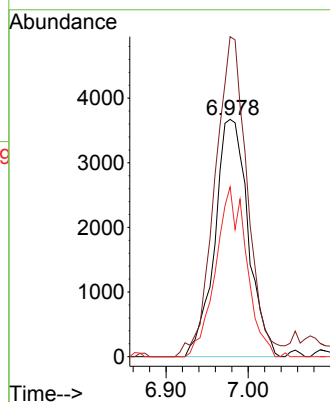
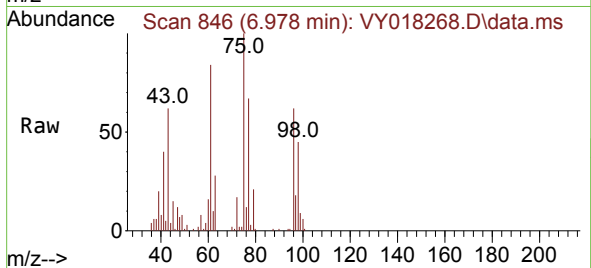




#27
 cis-1,2-Dichloroethene
 Concen: 5.068 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. -0.000 min
 Lab File: VY018268.D
 Acq: 15 May 2024 11:43

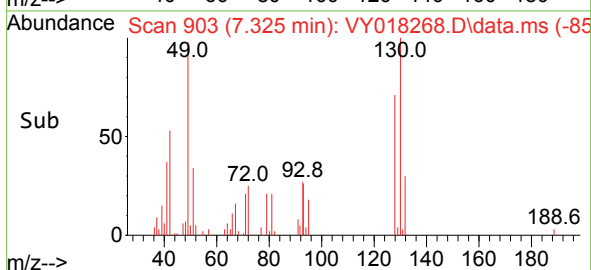
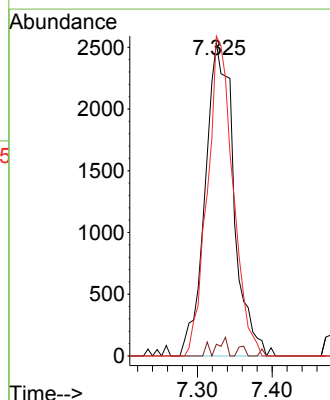
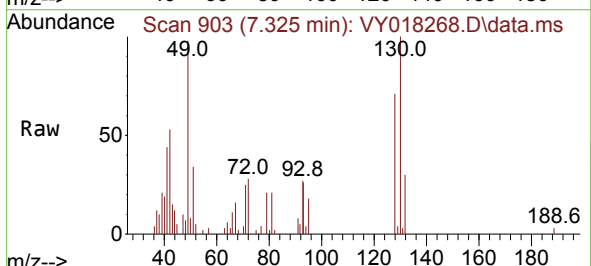
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

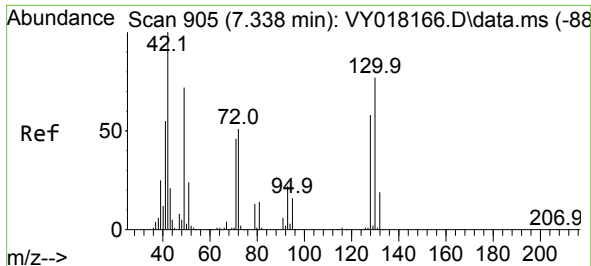
Tgt Ion:	96	Resp:	10348
Ion	Ratio	Lower	Upper
96	100		
61	131.5	0.0	256.2
98	66.4	0.0	130.0



#28
 Bromochloromethane
 Concen: 6.255 ug/l
 RT: 7.325 min Scan# 903
 Delta R.T. -0.006 min
 Lab File: VY018268.D
 Acq: 15 May 2024 11:43

Tgt Ion:	49	Resp:	6773
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.6
130	91.1	72.7	109.1





#29

Tetrahydrofuran

Concen: 29.948 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

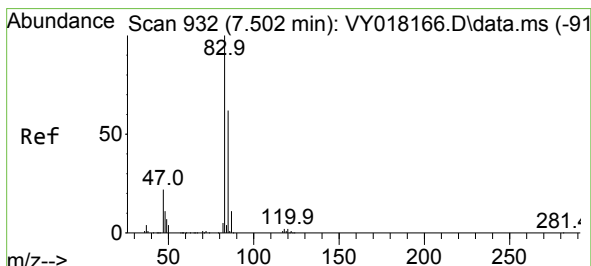
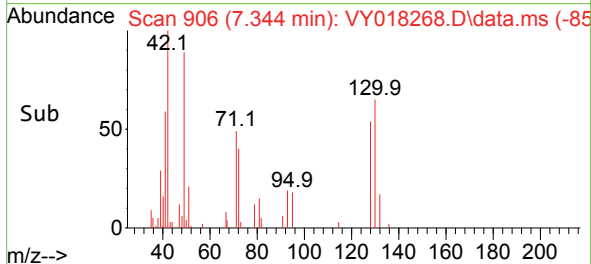
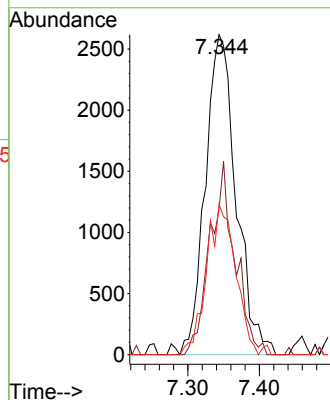
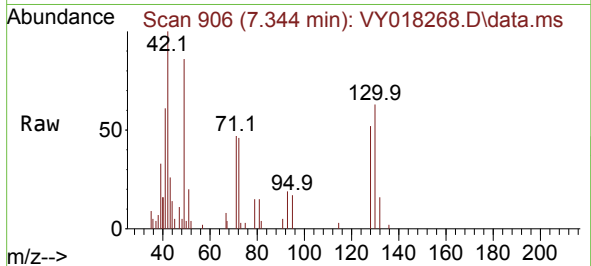
Tgt Ion: 42 Resp: 7818

Ion Ratio Lower Upper

42 100

72 49.4 43.0 64.4

71 44.5 40.8 61.2



#30

Chloroform

Concen: 5.167 ug/l

RT: 7.502 min Scan# 932

Delta R.T. -0.000 min

Lab File: VY018268.D

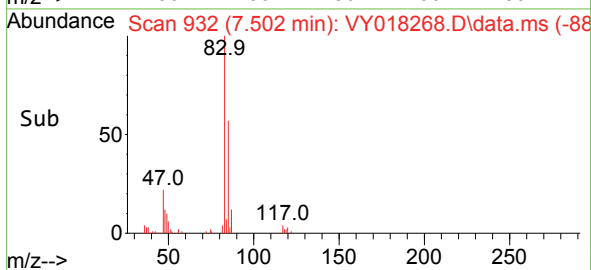
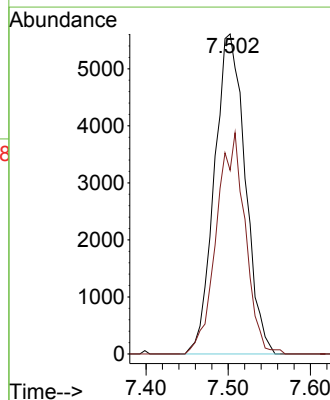
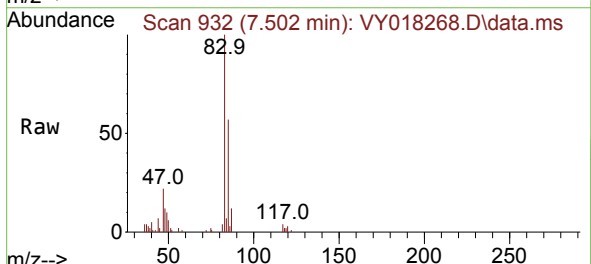
Acq: 15 May 2024 11:43

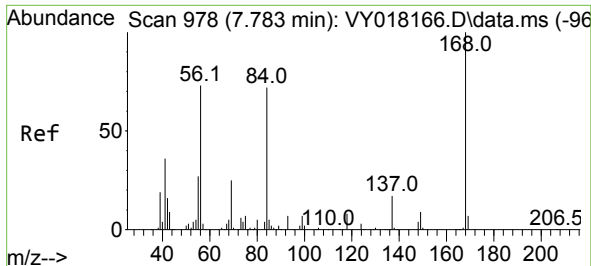
Tgt Ion: 83 Resp: 14612

Ion Ratio Lower Upper

83 100

85 57.4 52.2 78.4

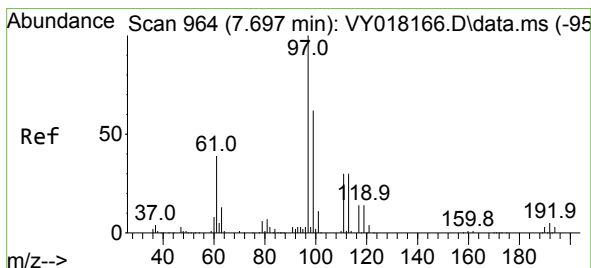
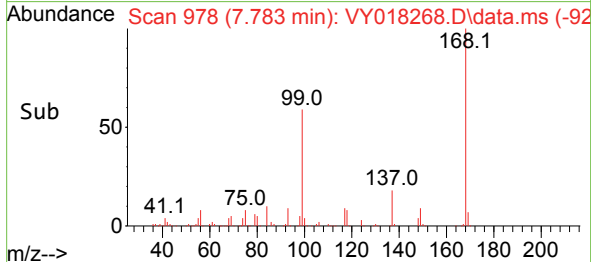
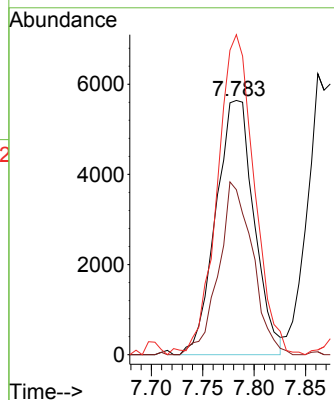
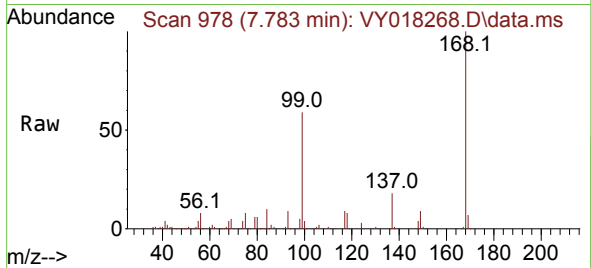




#31
Cyclohexane
Concen: 5.672 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

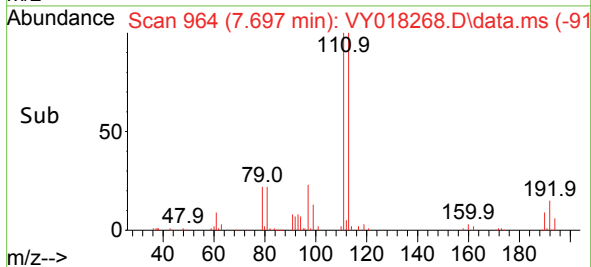
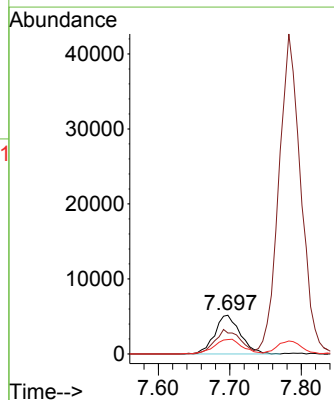
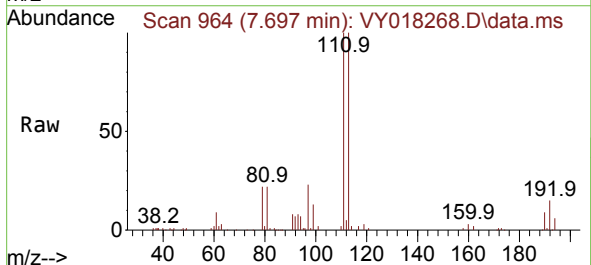
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

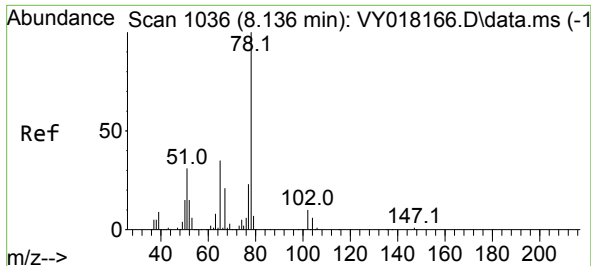
Tgt Ion: 56 Resp: 14586
Ion Ratio Lower Upper
56 100
69 64.9 28.7 43.1#
84 124.1 77.7 116.5#



#32
1,1,1-Trichloroethane
Concen: 5.053 ug/l
RT: 7.697 min Scan# 964
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 97 Resp: 12808
Ion Ratio Lower Upper
97 100
99 62.3 50.3 75.5
61 42.0 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 63.136 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

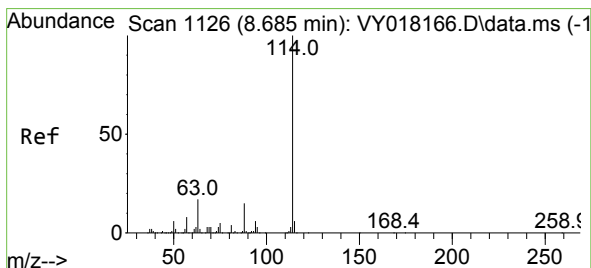
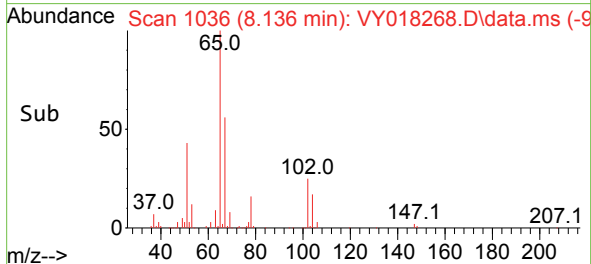
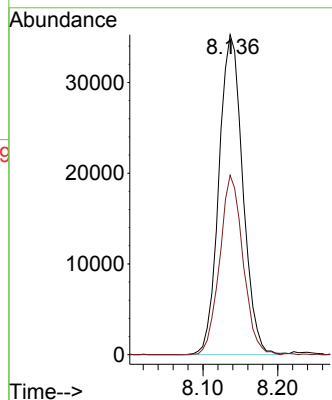
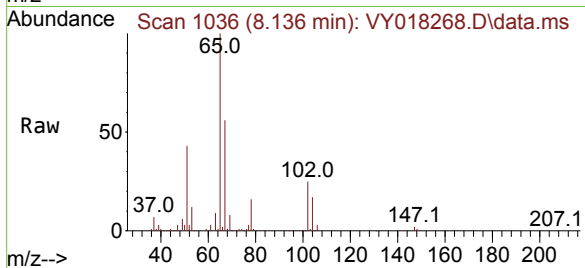
MDL-SOIL-03-QT2-2024

Tgt Ion: 65 Resp: 78275

Ion Ratio Lower Upper

65 100

67 54.9 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: VY018268.D

Acq: 15 May 2024 11:43

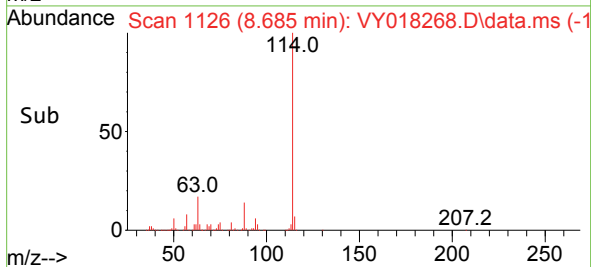
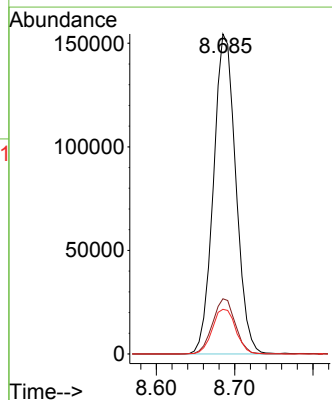
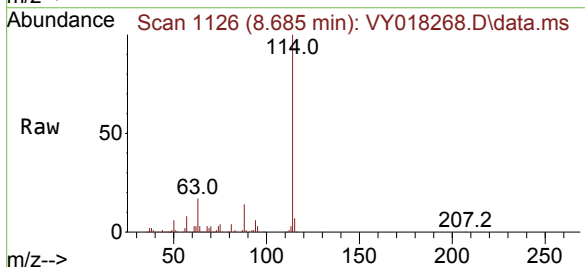
Tgt Ion: 114 Resp: 306102

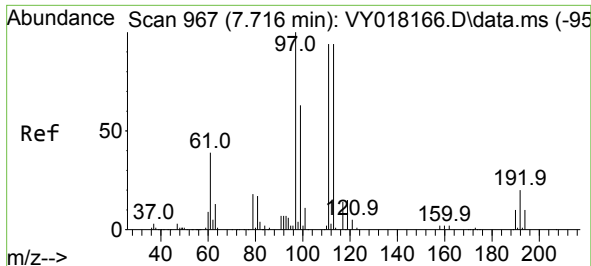
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 14.0 0.0 27.2

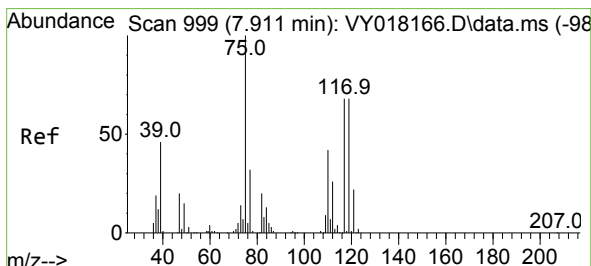
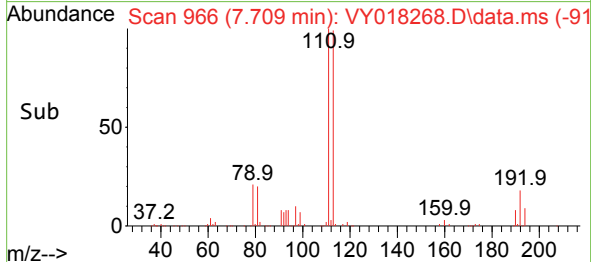
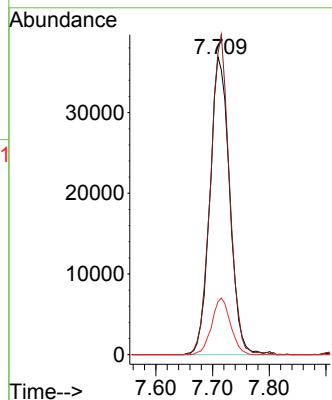
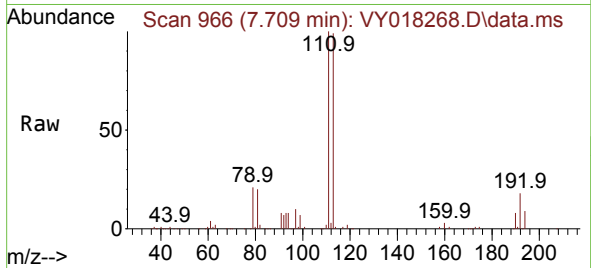




#35
Dibromofluoromethane
Concen: 55.385 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

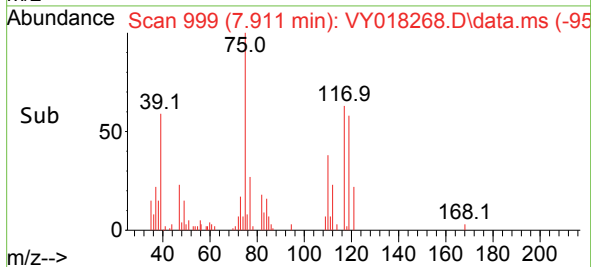
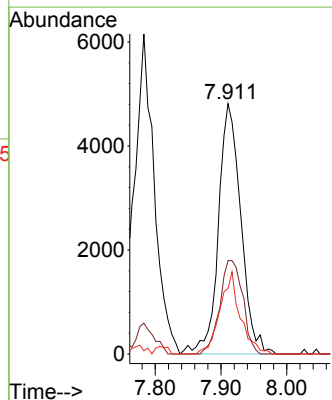
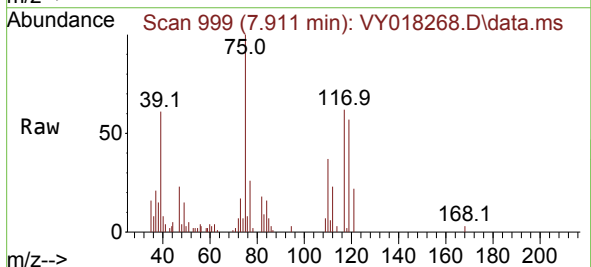
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

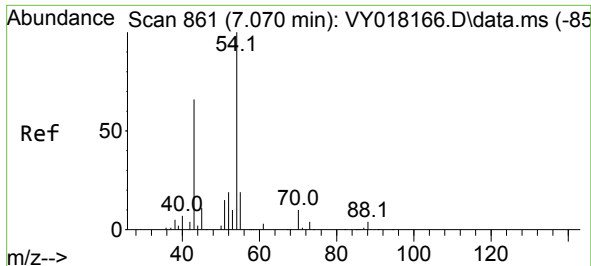
Tgt Ion:	113	Resp:	89098
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	18.2	15.9	23.9



#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 7.911 min Scan# 999
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion:	75	Resp:	11435
Ion	Ratio	Lower	Upper
75	100		
110	38.0	19.0	57.0
77	29.6	25.3	37.9

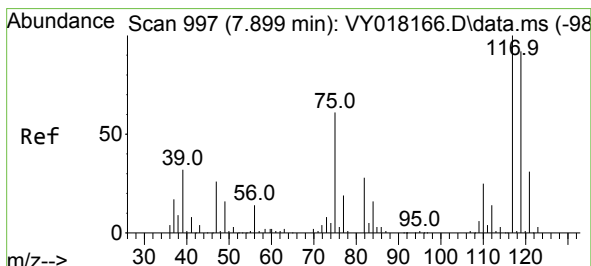
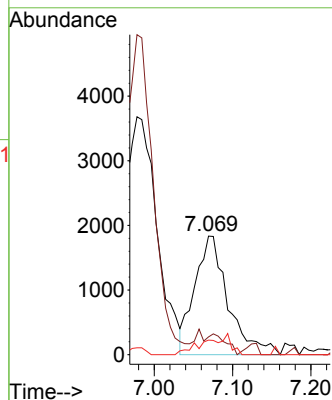
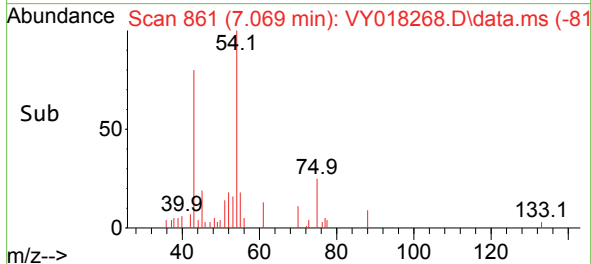
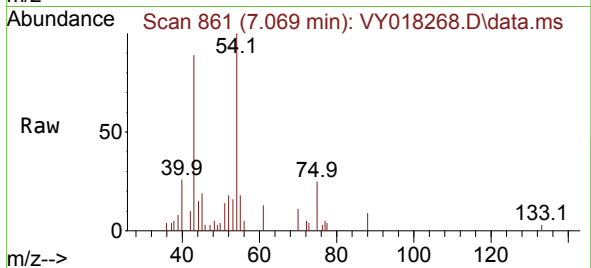




#37
Ethyl Acetate
Concen: 5.593 ug/l
RT: 7.069 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

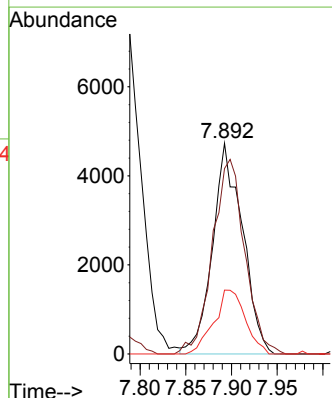
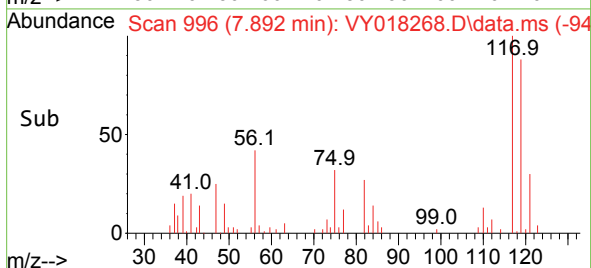
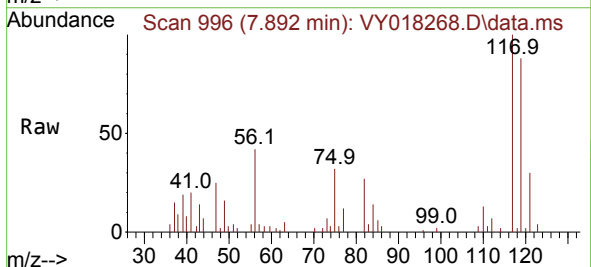
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

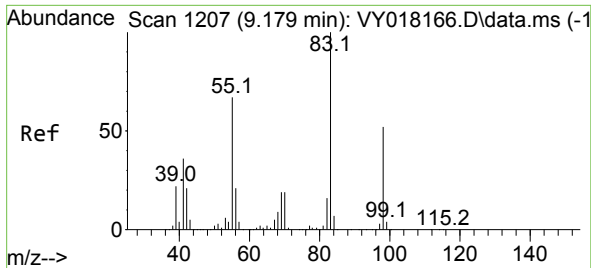
Tgt Ion: 43 Resp: 5429
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 8.8 7.8 11.8



#38
Carbon Tetrachloride
Concen: 4.275 ug/l
RT: 7.892 min Scan# 996
Delta R.T. -0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 117 Resp: 10773
Ion Ratio Lower Upper
117 100
119 86.9 75.8 113.6
121 30.3 24.0 36.0

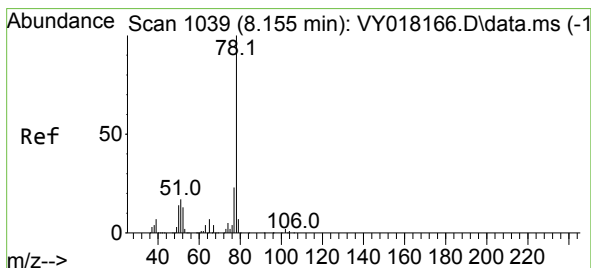
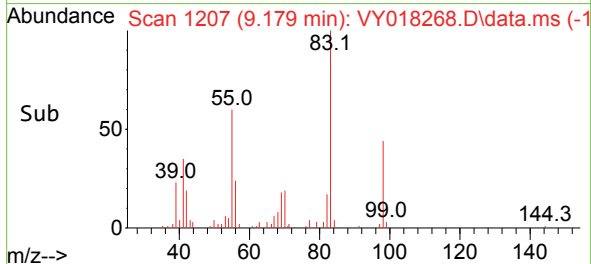
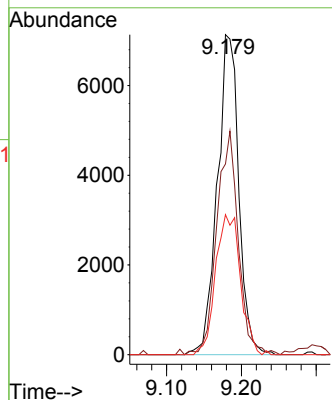
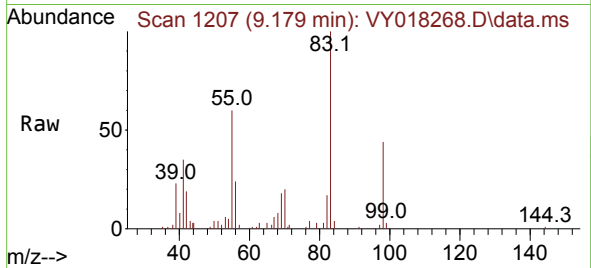




#39
Methylcyclohexane
Concen: 4.289 ug/l
RT: 9.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

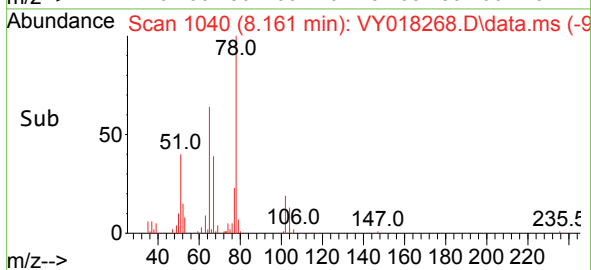
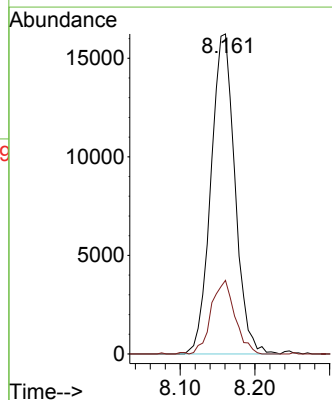
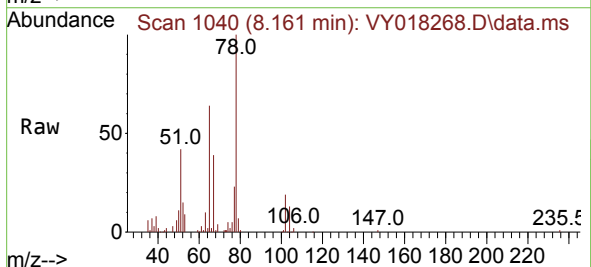
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

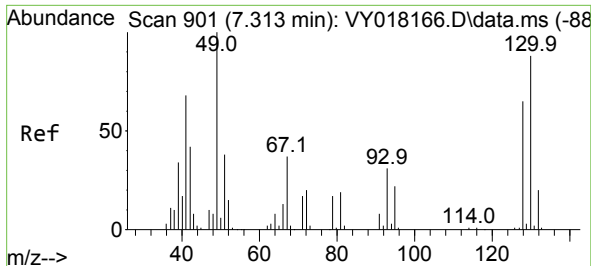
Tgt Ion:	83	Resp:	14271
Ion	Ratio	Lower	Upper
83	100		
55	59.6	51.5	77.3
98	43.8	40.5	60.7



#40
Benzene
Concen: 4.892 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

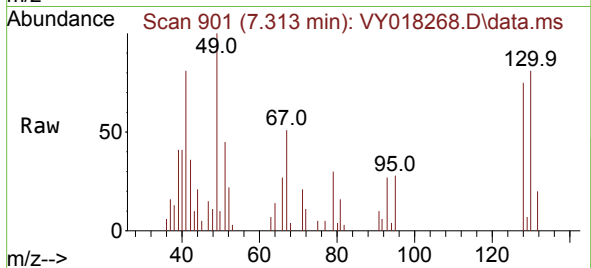
Tgt Ion:	78	Resp:	36286
Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.5	29.3





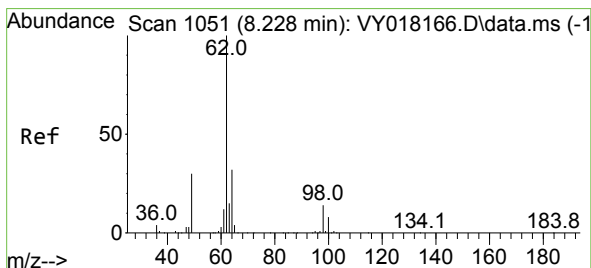
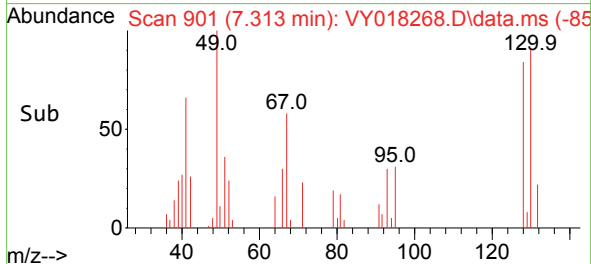
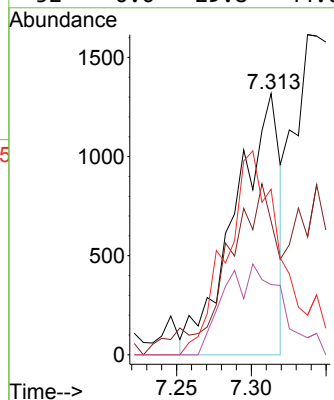
#41
Methacrylonitrile
Concen: 4.887 ug/l
RT: 7.313 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

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



Tgt Ion: 41 Resp: 2739

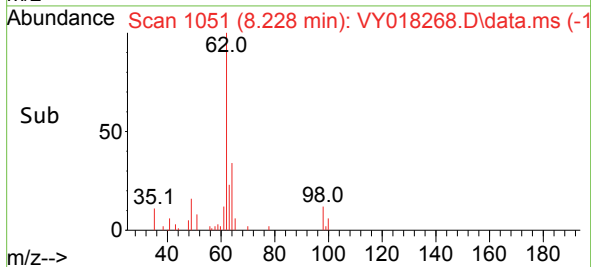
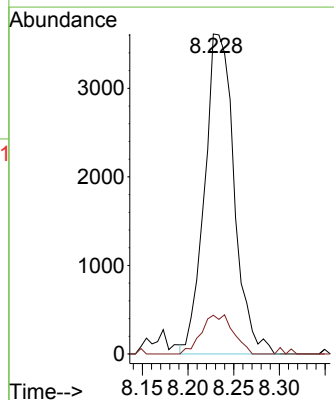
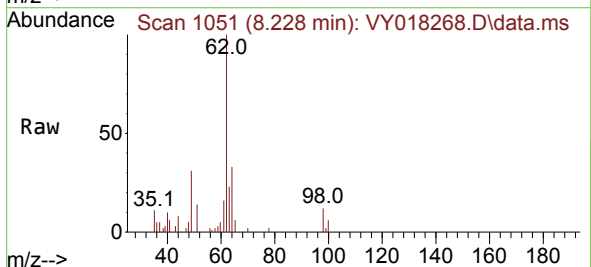
Ion	Ratio	Lower	Upper
41	100		
39	72.1	48.0	72.0#
67	100.5	75.1	112.7
52	0.0	29.8	44.6#

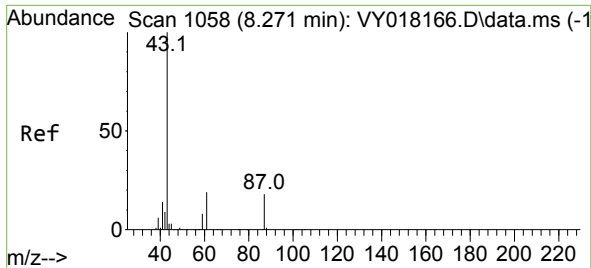


#42
1,2-Dichloroethane
Concen: 5.040 ug/l
RT: 8.228 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 62 Resp: 8135

Ion	Ratio	Lower	Upper
62	100		
98	13.2	0.0	22.0

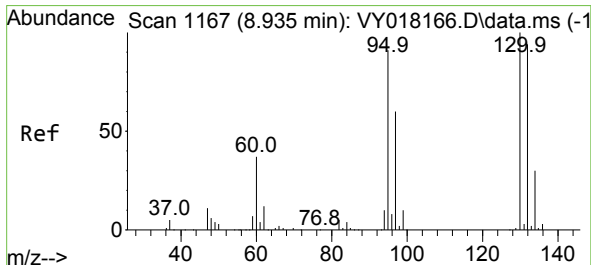
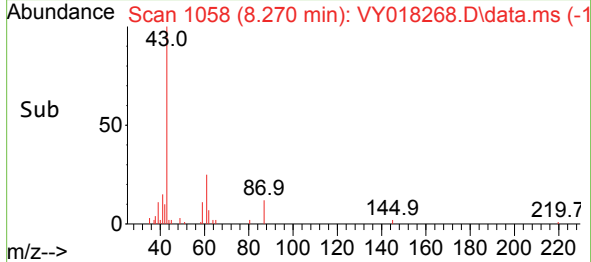
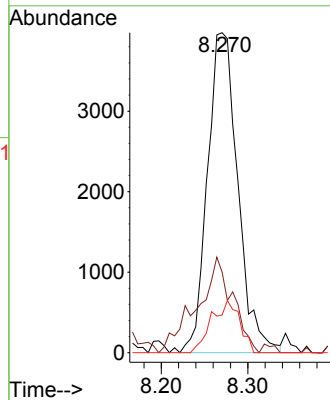
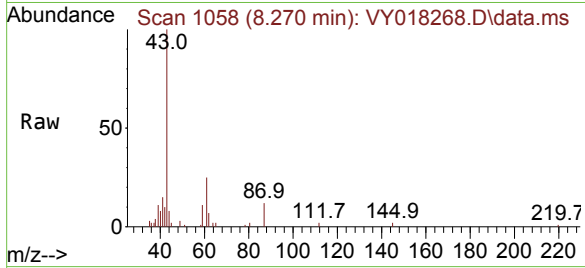




#43
Isopropyl Acetate
Concen: 4.866 ug/l
RT: 8.270 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

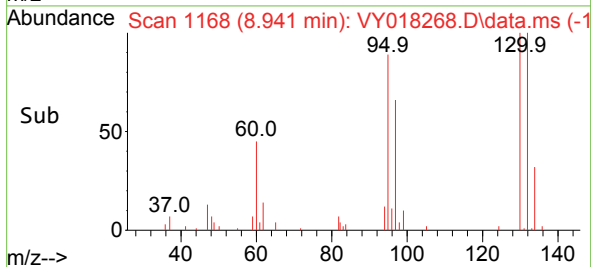
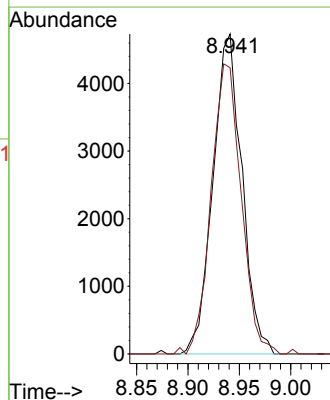
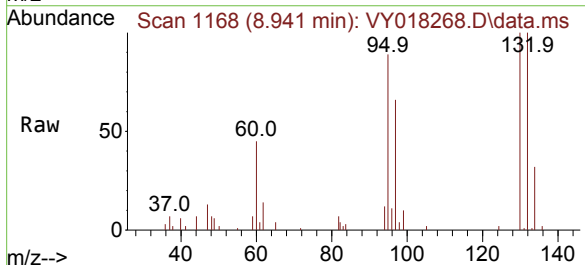
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

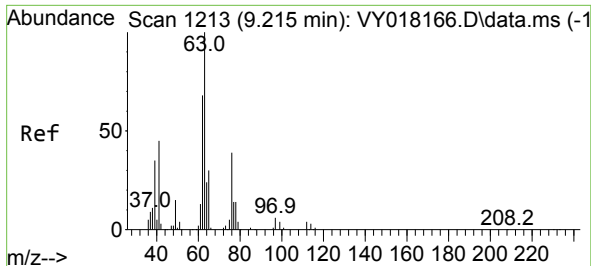
Tgt Ion:	43	Resp:	9682
Ion	Ratio	Lower	Upper
43	100		
61	35.2	27.9	41.9
87	15.1	13.1	19.7



#44
Trichloroethene
Concen: 4.592 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion:	130	Resp:	9273
Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	188.0

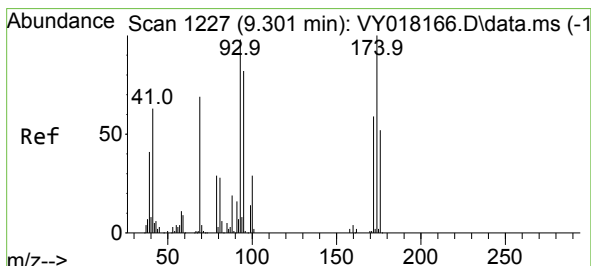
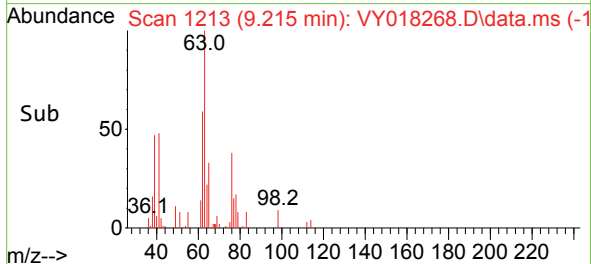
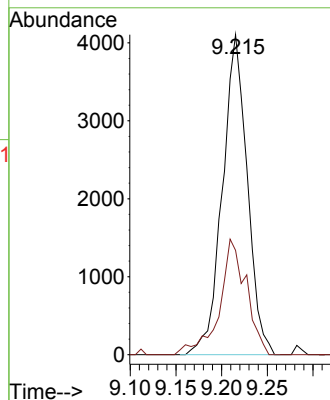
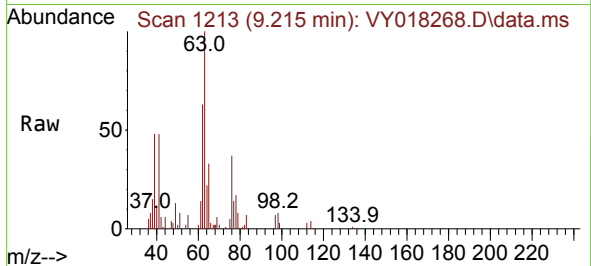




#45
1,2-Dichloropropane
Concen: 4.794 ug/l
RT: 9.215 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

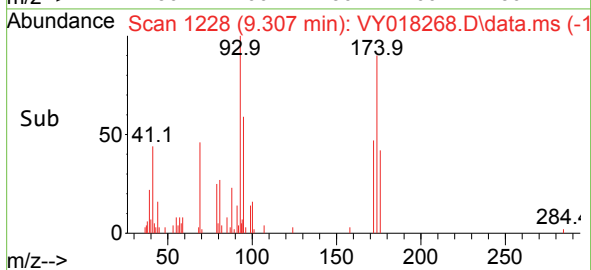
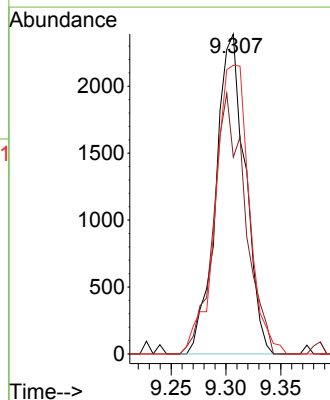
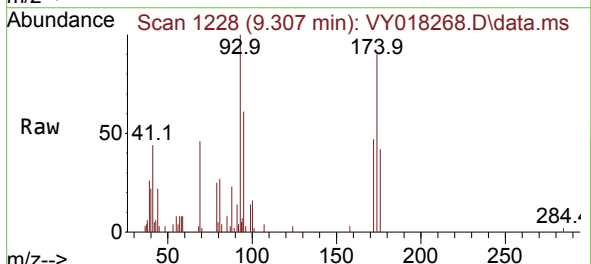
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

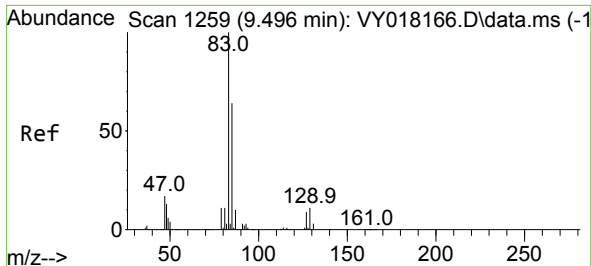
Tgt Ion: 63 Resp: 7775
Ion Ratio Lower Upper
63 100
65 32.6 25.4 38.2



#46
Dibromomethane
Concen: 4.755 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 93 Resp: 4433
Ion Ratio Lower Upper
93 100
95 87.9 66.2 99.4
174 103.6 80.9 121.3

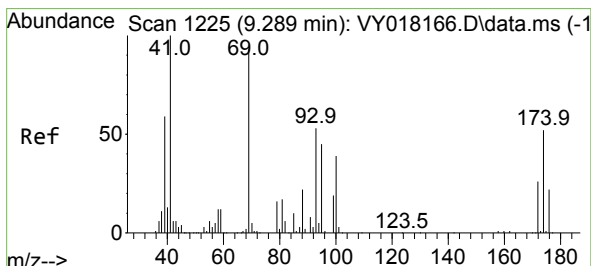
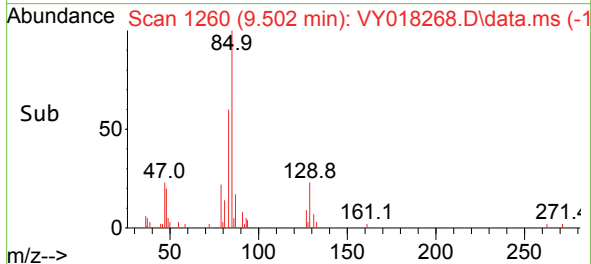
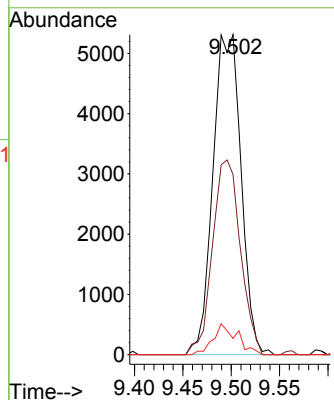
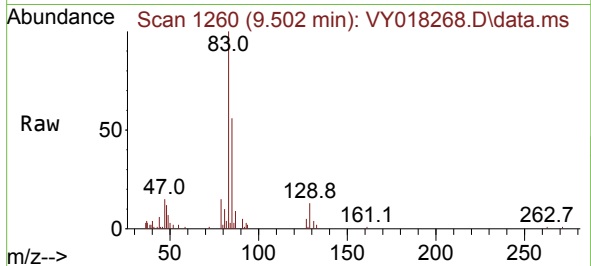




#47
Bromodichloromethane
Concen: 4.658 ug/l
RT: 9.502 min Scan# 1260
Delta R.T. 0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

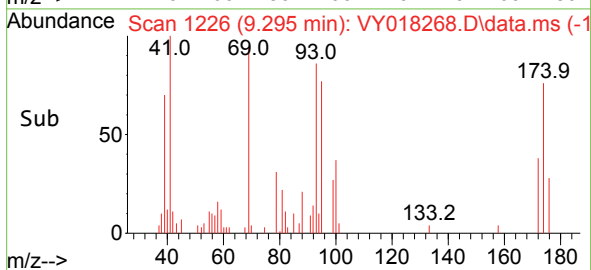
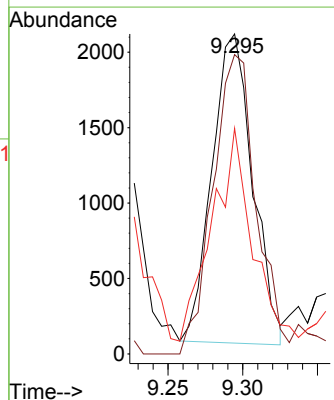
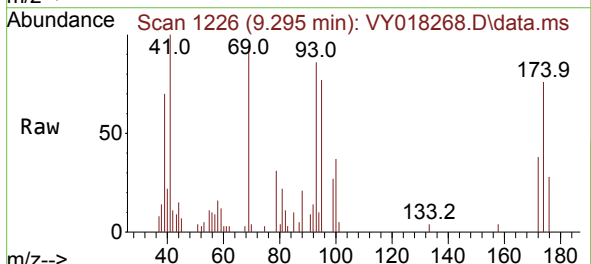
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

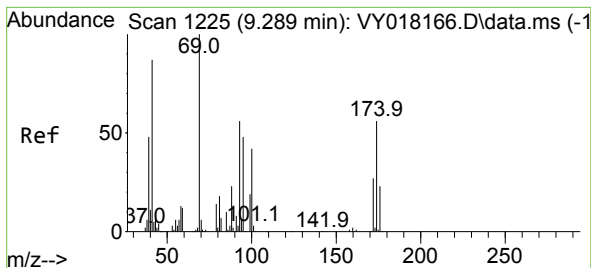
Tgt Ion: 83 Resp: 10736
Ion Ratio Lower Upper
83 100
85 56.4 50.1 75.1
127 5.1 7.4 11.0#



#48
Methyl methacrylate
Concen: 4.258 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 41 Resp: 3883
Ion Ratio Lower Upper
41 100
69 102.8 84.1 126.1
39 67.9 43.6 65.4#





#49

1,4-Dioxane

Concen: 95.591 ug/l

RT: 9.307 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

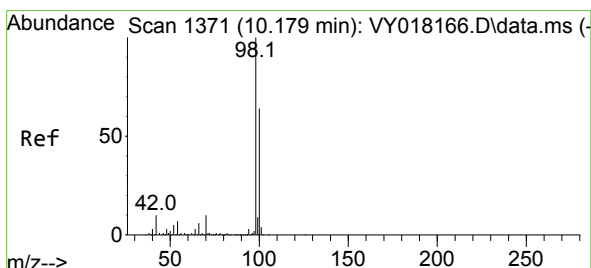
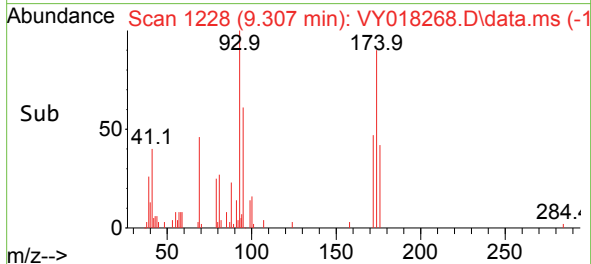
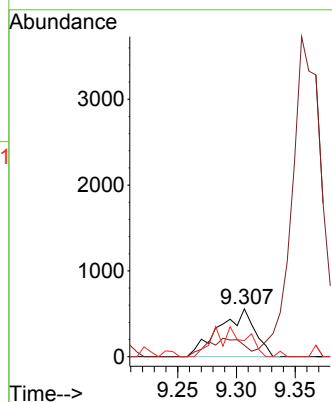
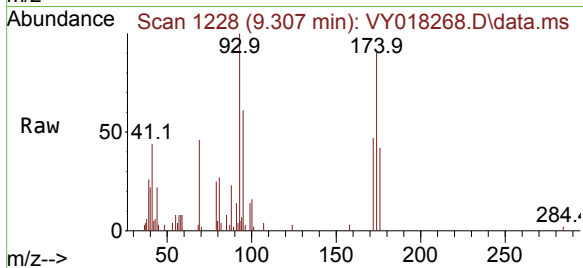
Tgt Ion: 88 Resp: 1183

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 55.183 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018268.D

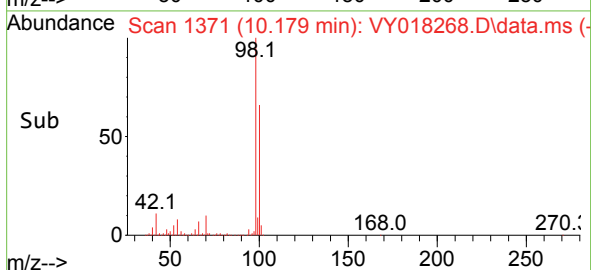
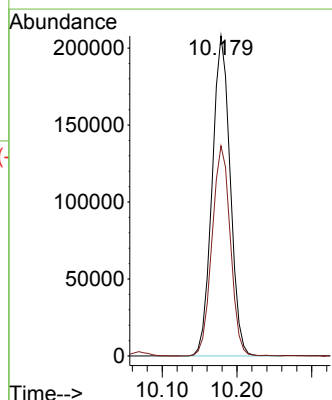
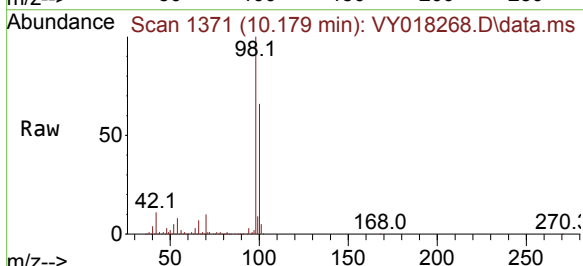
Acq: 15 May 2024 11:43

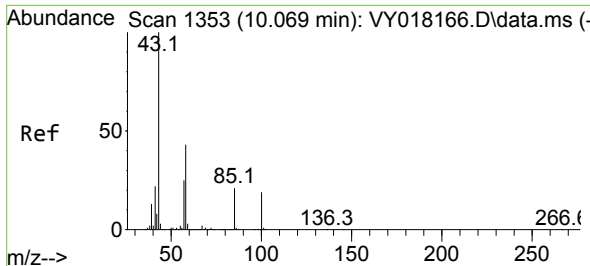
Tgt Ion: 98 Resp: 349823

Ion Ratio Lower Upper

98 100

100 66.6 52.0 78.0

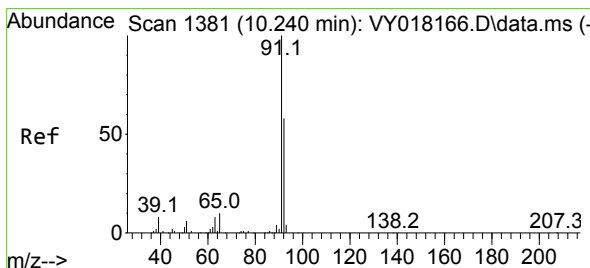
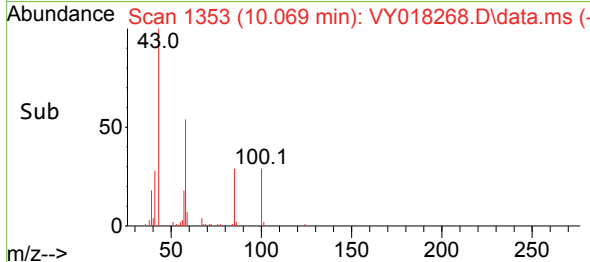
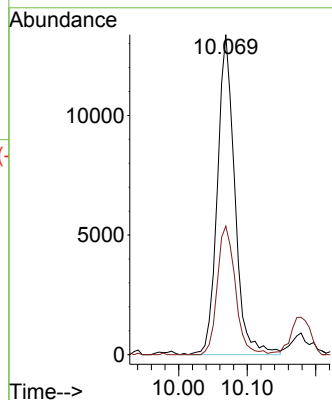
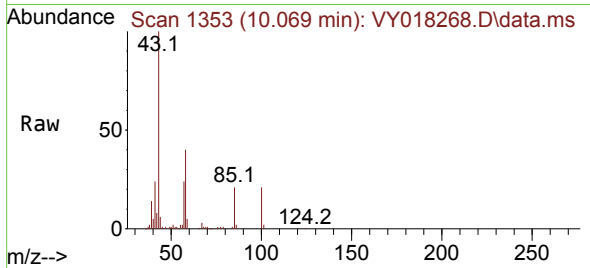




#51
4-Methyl-2-Pentanone
Concen: 23.592 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

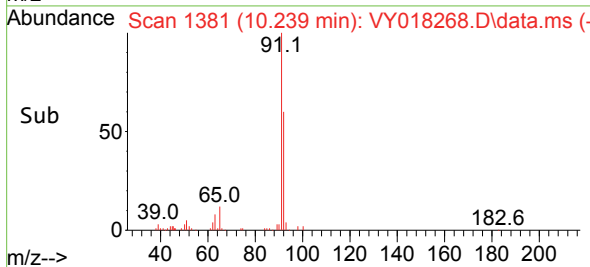
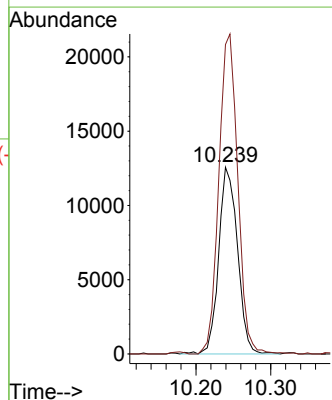
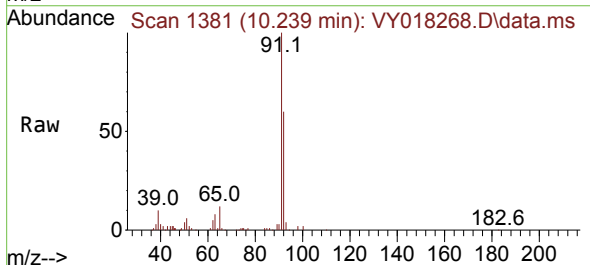
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

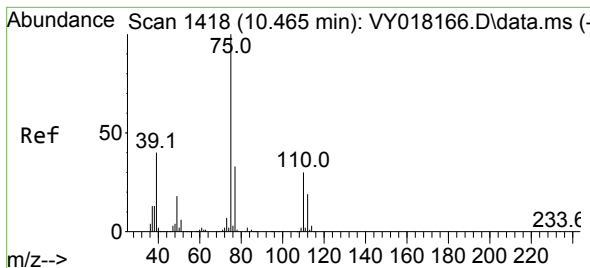
Tgt Ion: 43 Resp: 23592
Ion Ratio Lower Upper
43 100
58 41.6 35.7 53.5



#52
Toluene
Concen: 4.622 ug/l
RT: 10.239 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 92 Resp: 22072
Ion Ratio Lower Upper
92 100
91 172.2 139.0 208.6

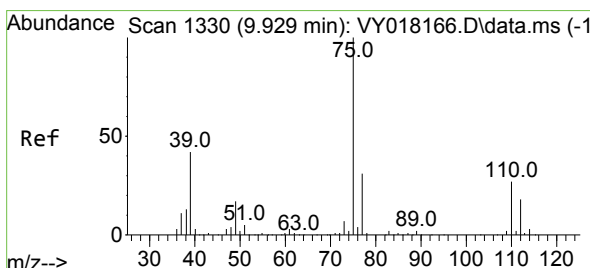
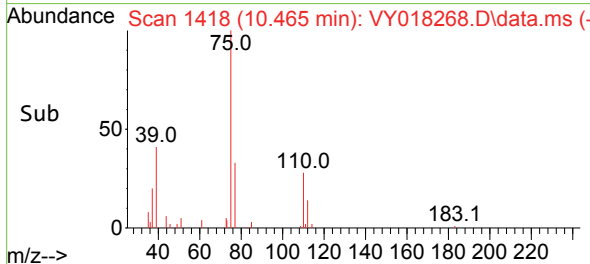
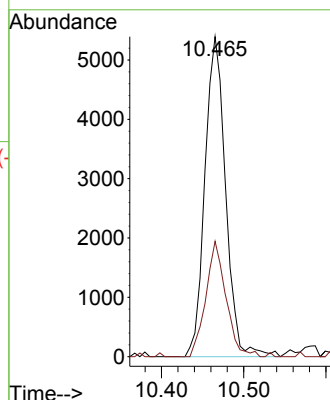
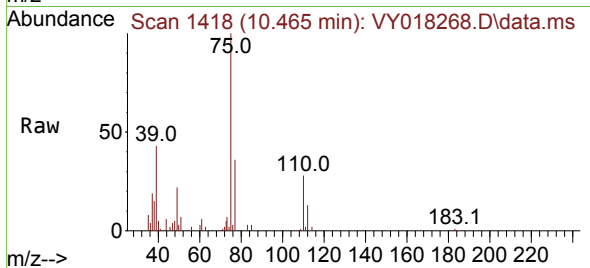




#53
t-1,3-Dichloropropene
Concen: 4.389 ug/l
RT: 10.465 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

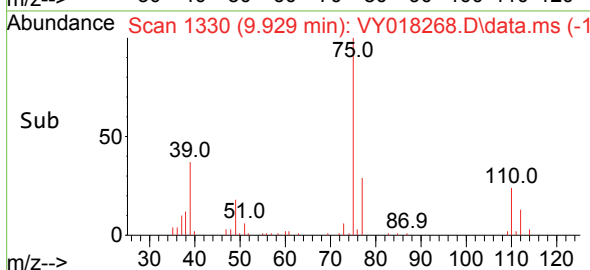
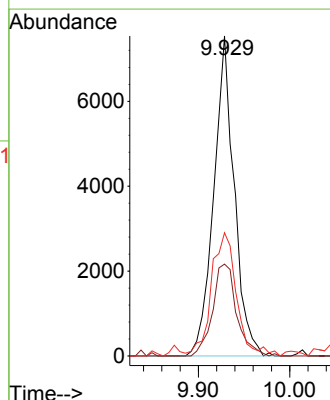
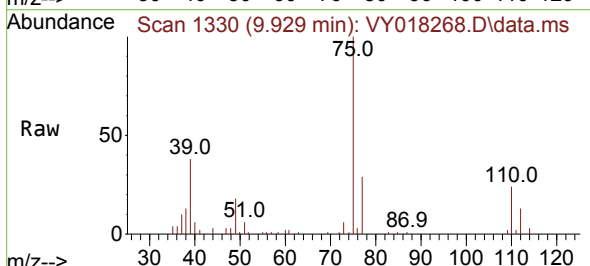
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

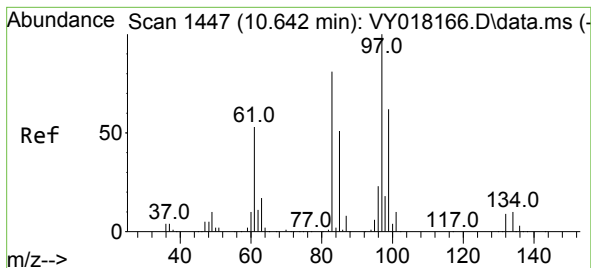
Tgt Ion: 75 Resp: 9449
Ion Ratio Lower Upper
75 100
77 36.0 24.1 36.1



#54
cis-1,3-Dichloropropene
Concen: 4.456 ug/l
RT: 9.929 min Scan# 1330
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 75 Resp: 11728
Ion Ratio Lower Upper
75 100
77 28.7 25.4 38.0
39 38.5 29.8 44.6





#55

1,1,2-Trichloroethane

Concen: 4.876 ug/l

RT: 10.648 min Scan# 1447

Delta R.T. 0.006 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 97 Resp: 6245

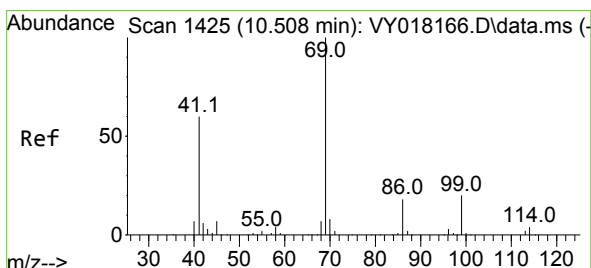
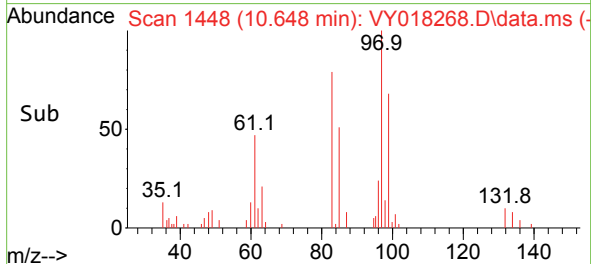
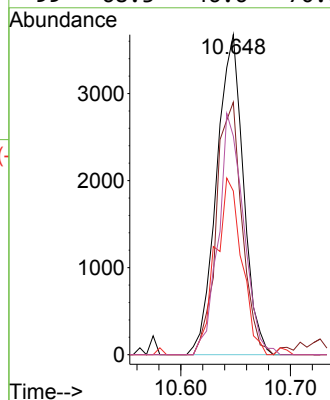
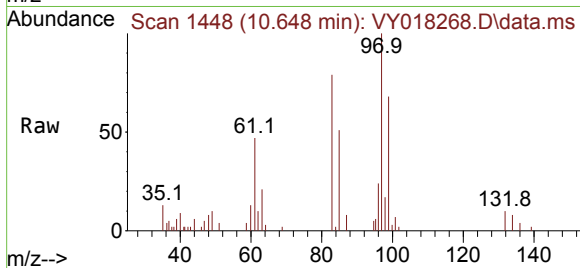
Ion Ratio Lower Upper

97 100

83 78.9 67.5 101.3

85 51.1 42.9 64.3

99 68.3 46.6 70.0



#56

Ethyl methacrylate

Concen: 4.273 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. 0.006 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

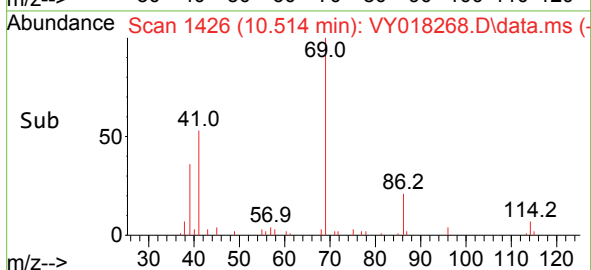
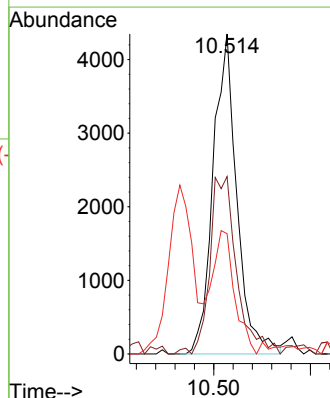
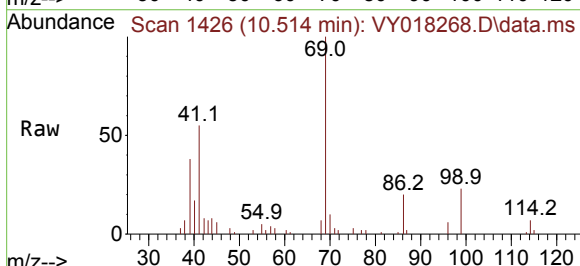
Tgt Ion: 69 Resp: 7433

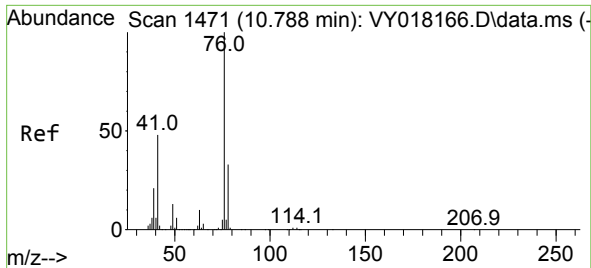
Ion Ratio Lower Upper

69 100

41 62.4 42.3 63.5

39 36.1 22.9 34.3#

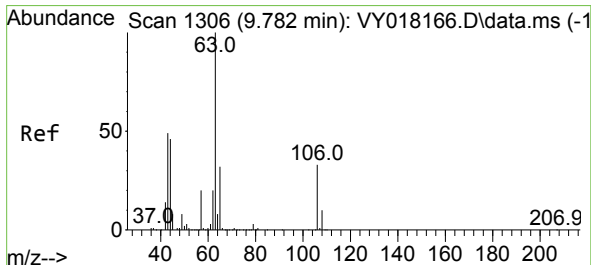
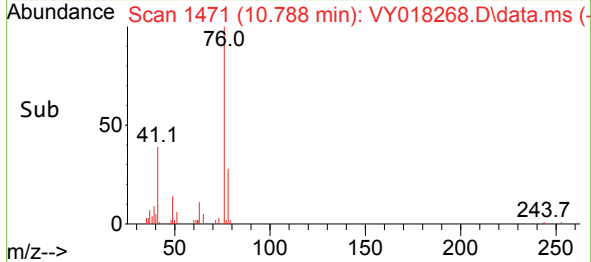
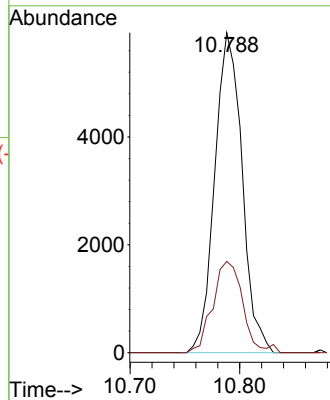
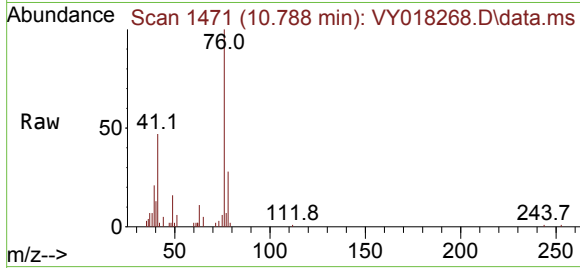




#57
1,3-Dichloropropane
Concen: 4.925 ug/l
RT: 10.788 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

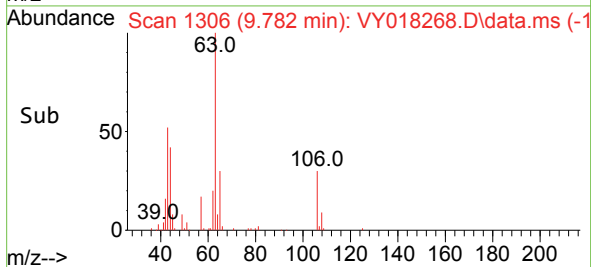
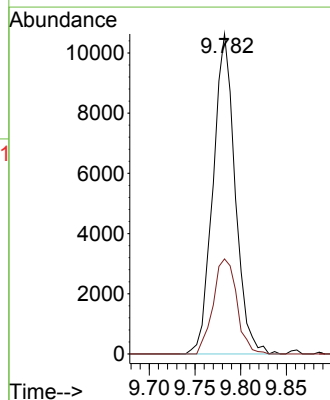
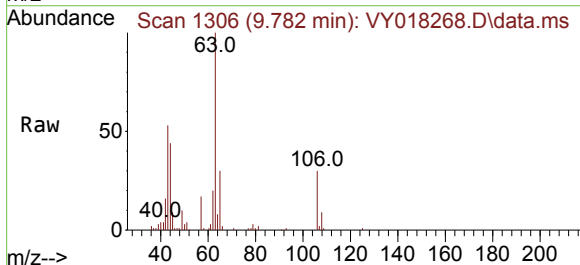
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

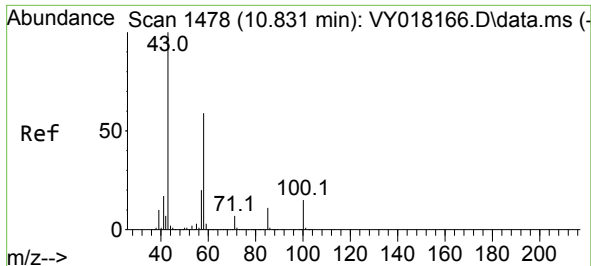
Tgt Ion: 76 Resp: 10267
Ion Ratio Lower Upper
76 100
78 31.3 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 21.492 ug/l
RT: 9.782 min Scan# 1306
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

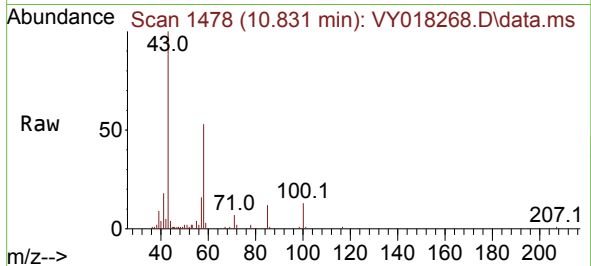
Tgt Ion: 63 Resp: 17851
Ion Ratio Lower Upper
63 100
106 31.9 23.7 35.5



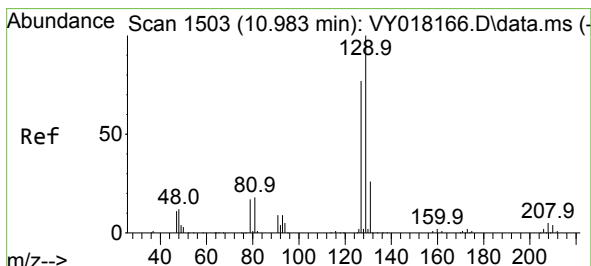
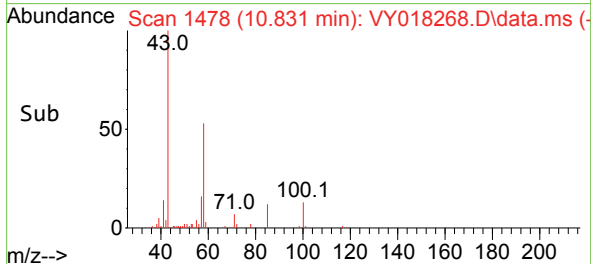
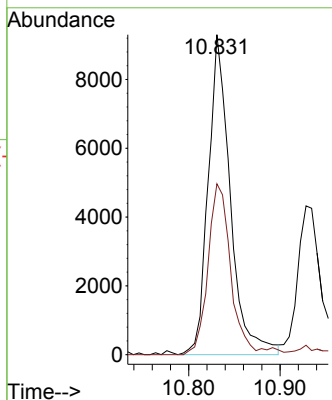


#59
2-Hexanone
Concen: 22.310 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

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

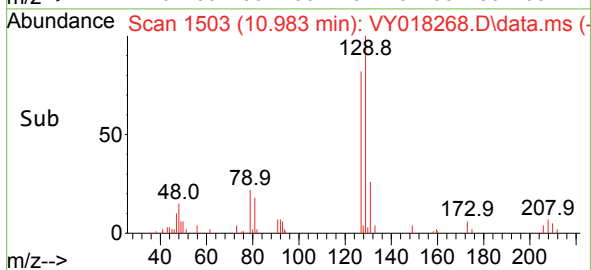
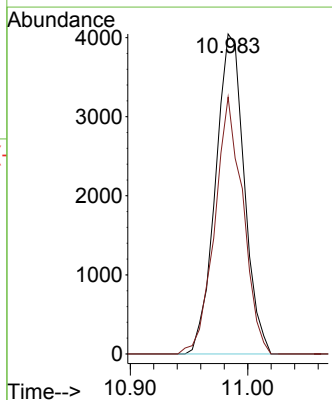
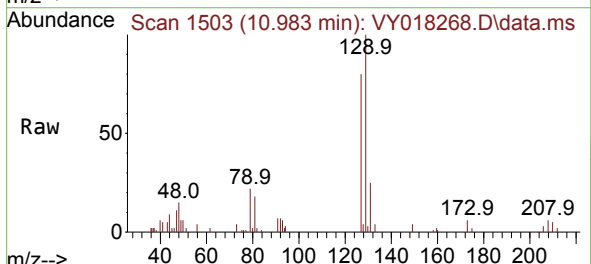


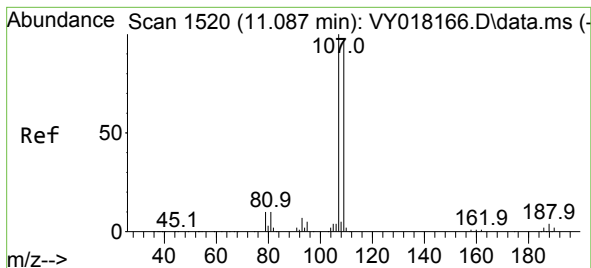
Tgt Ion: 43 Resp: 15599
Ion Ratio Lower Upper
43 100
58 54.7 31.4 94.0



#60
Dibromochloromethane
Concen: 4.142 ug/l
RT: 10.983 min Scan# 1503
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 129 Resp: 6883
Ion Ratio Lower Upper
129 100
127 78.5 39.0 117.0





#61

1,2-Dibromoethane

Concen: 4.769 ug/l

RT: 11.087 min Scan# 1520

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

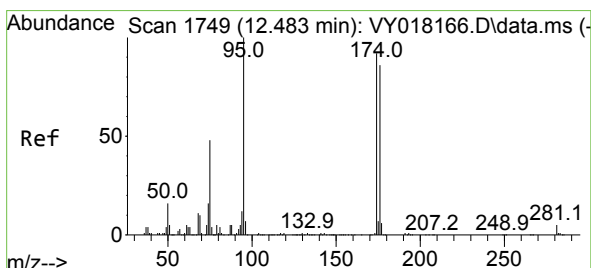
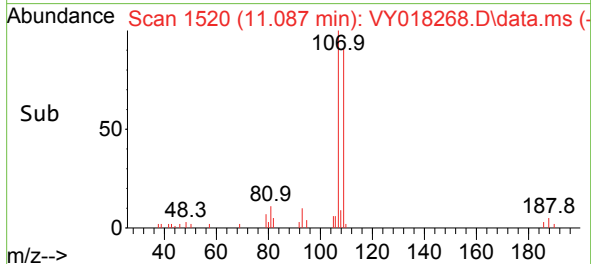
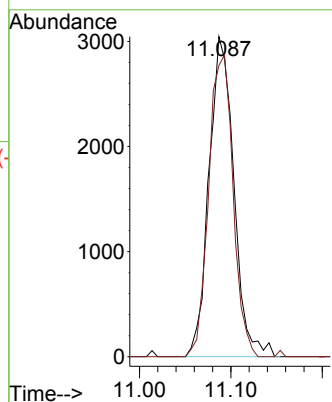
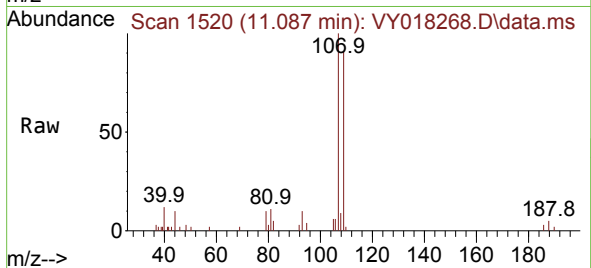
MDL-SOIL-03-QT2-2024

Tgt Ion:107 Resp: 5753

Ion Ratio Lower Upper

107 100

109 92.3 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 53.279 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

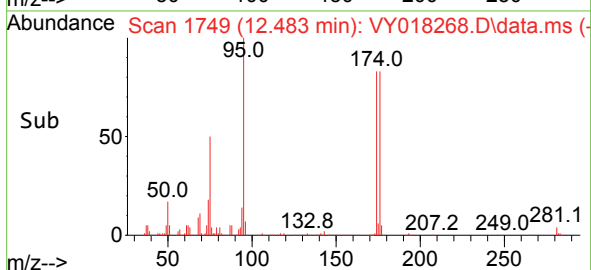
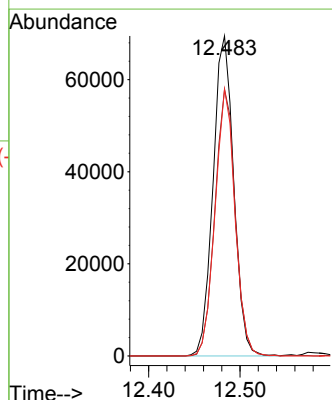
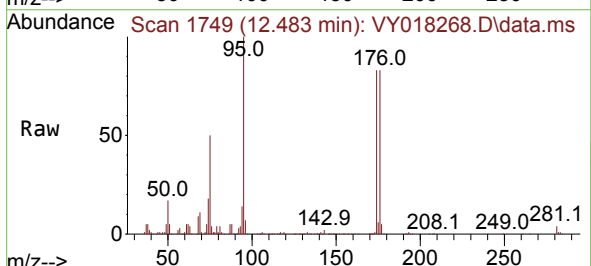
Tgt Ion: 95 Resp: 109075

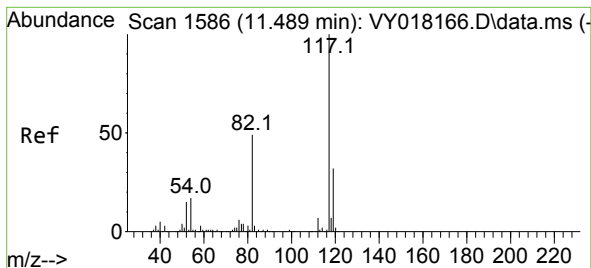
Ion Ratio Lower Upper

95 100

174 82.5 0.0 175.6

176 80.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

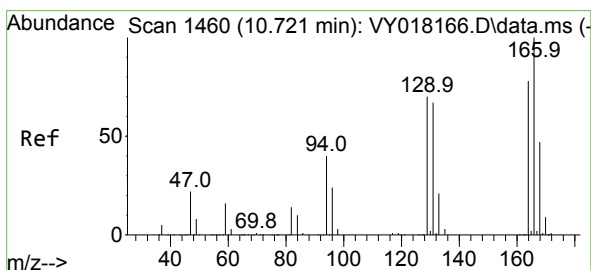
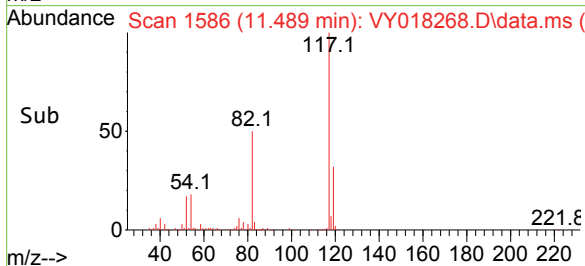
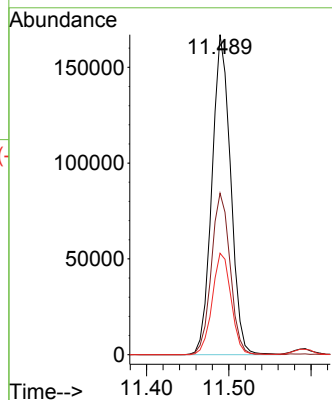
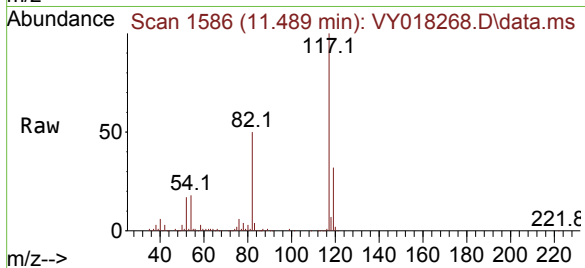
Tgt Ion:117 Resp: 263510

Ion Ratio Lower Upper

117 100

82 50.4 42.4 63.6

119 31.7 25.9 38.9



#64

Tetrachloroethene

Concen: 4.637 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Tgt Ion:164 Resp: 8135

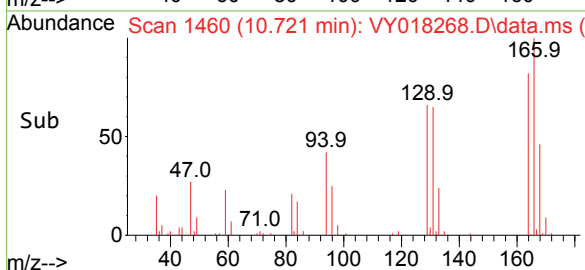
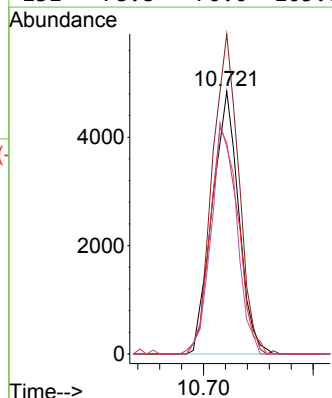
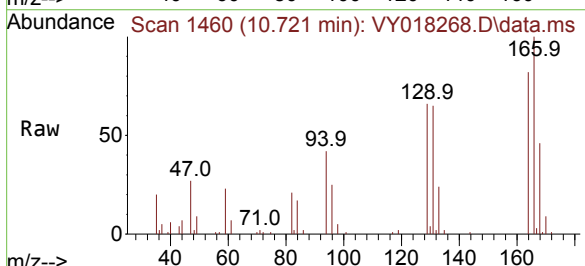
Ion Ratio Lower Upper

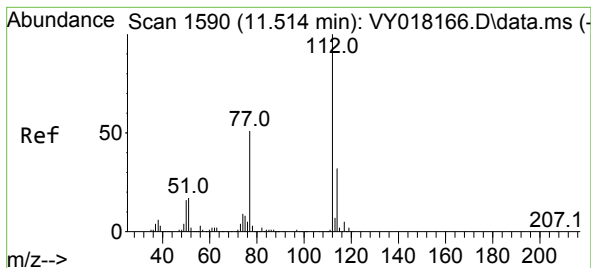
164 100

166 121.8 102.6 154.0

129 80.4 72.0 108.0

131 78.8 70.0 105.0





#65

Chlorobenzene

Concen: 4.394 ug/l

RT: 11.514 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

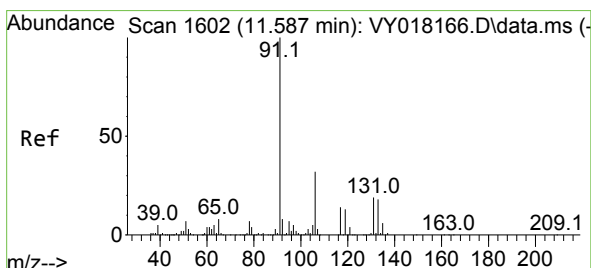
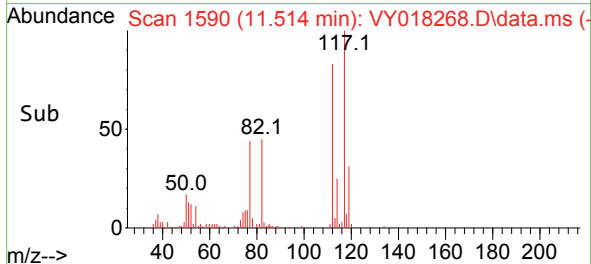
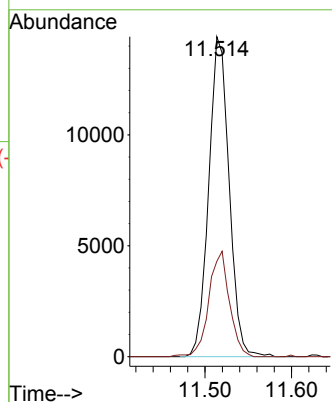
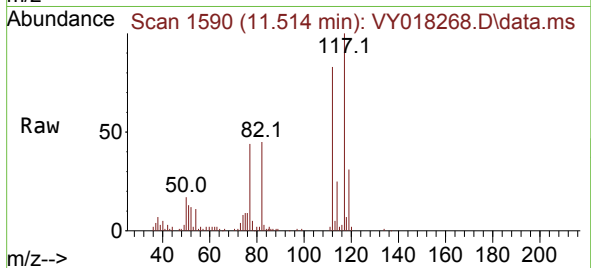
MDL-SOIL-03-QT2-2024

Tgt Ion:112 Resp: 23581

Ion Ratio Lower Upper

112 100

114 29.8 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 4.206 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

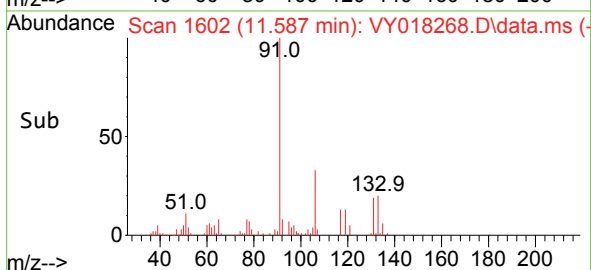
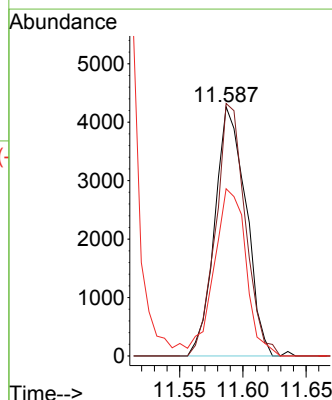
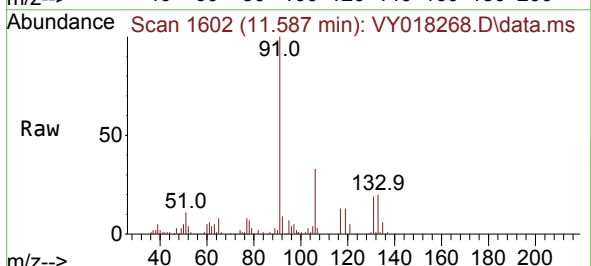
Tgt Ion:131 Resp: 7301

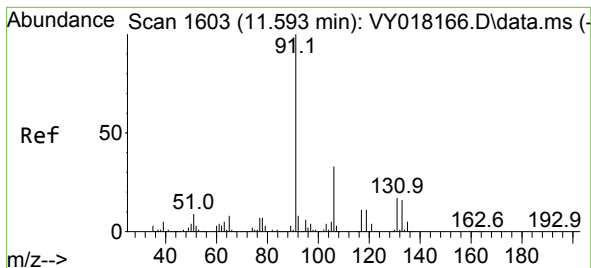
Ion Ratio Lower Upper

131 100

133 96.1 47.8 143.3

119 68.4 34.1 102.2





#67

Ethyl Benzene

Concen: 4.506 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

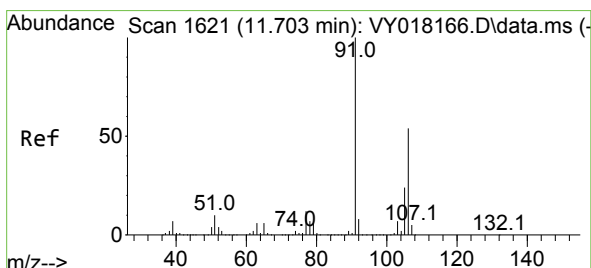
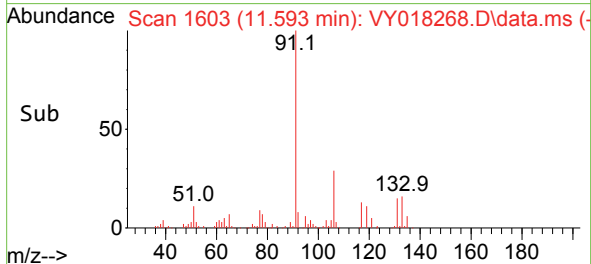
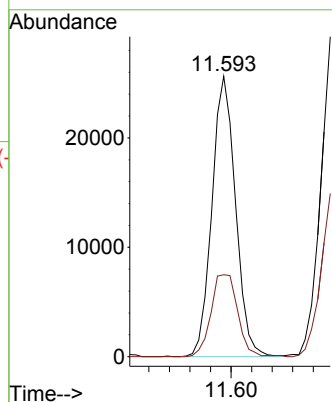
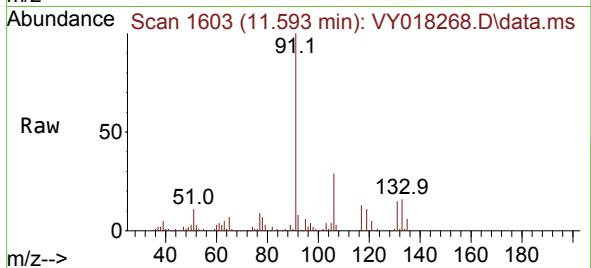
MDL-SOIL-03-QT2-2024

Tgt Ion: 91 Resp: 40835

Ion Ratio Lower Upper

91 100

106 29.2 24.5 36.7



#68

m/p-Xylenes

Concen: 8.886 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY018268.D

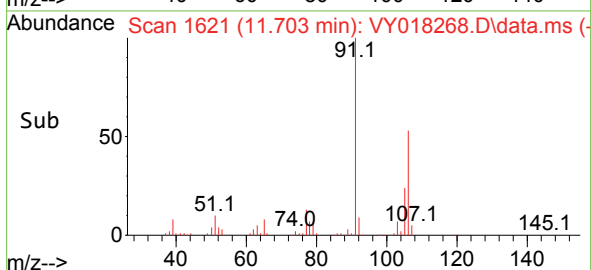
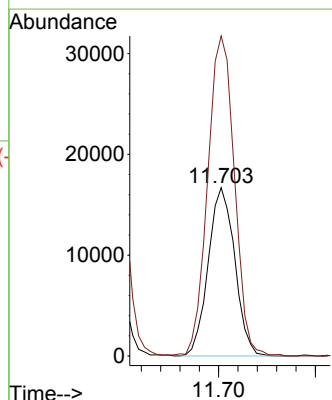
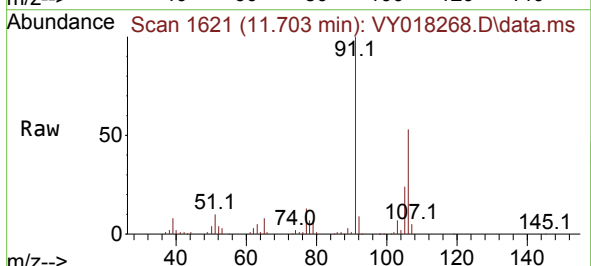
Acq: 15 May 2024 11:43

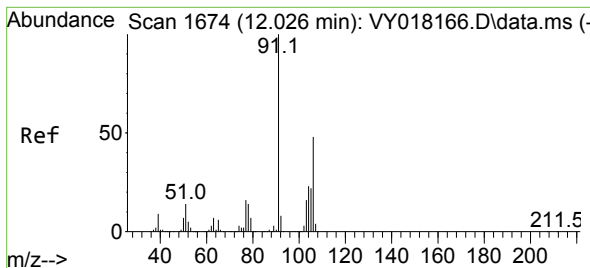
Tgt Ion: 106 Resp: 31841

Ion Ratio Lower Upper

106 100

91 191.9 156.0 234.0





#69

o-Xylene

Concen: 4.354 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

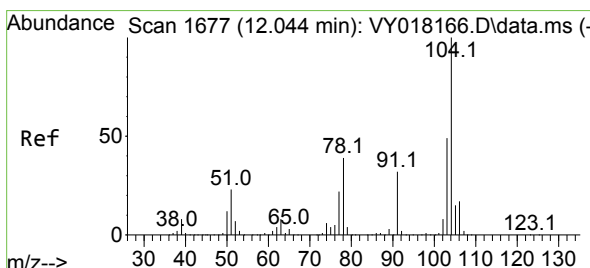
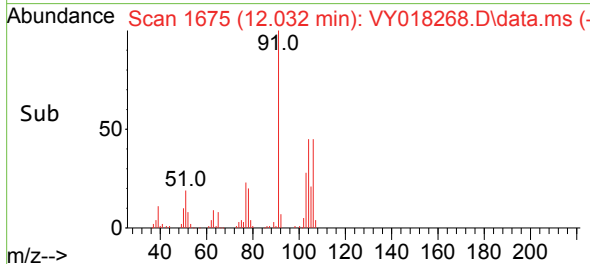
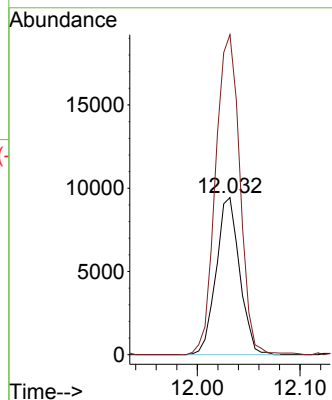
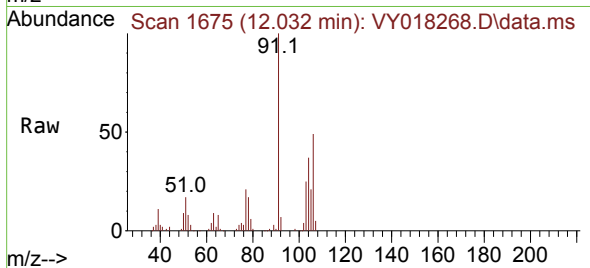
MDL-SOIL-03-QT2-2024

Tgt Ion:106 Resp: 14974

Ion Ratio Lower Upper

106 100

91 211.2 103.6 310.8



#70

Styrene

Concen: 4.217 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

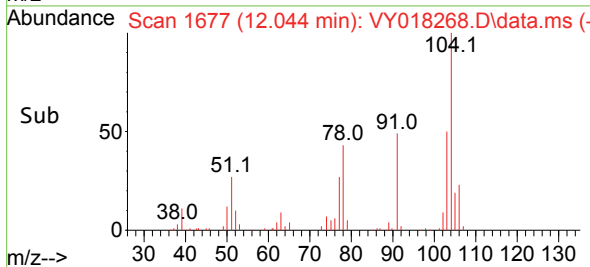
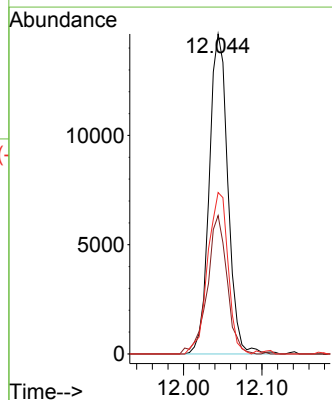
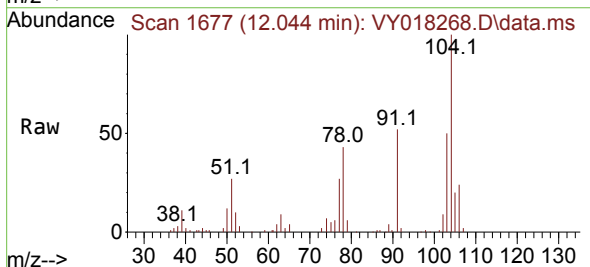
Tgt Ion:104 Resp: 24220

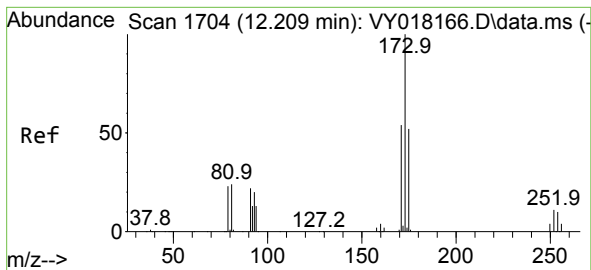
Ion Ratio Lower Upper

104 100

78 45.4 37.0 55.4

103 55.0 44.2 66.2





#71

Bromoform

Concen: 3.972 ug/l

RT: 12.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

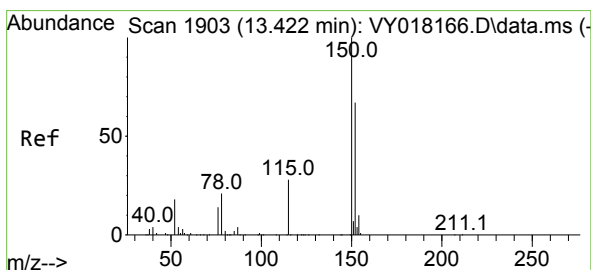
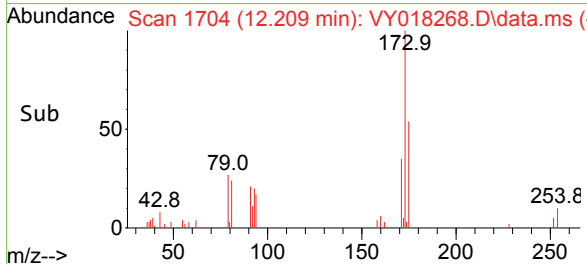
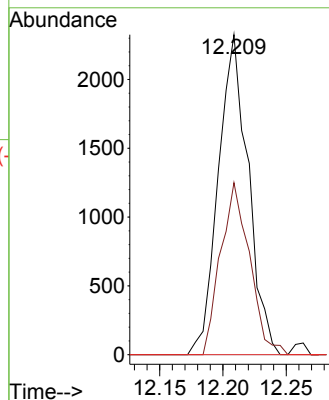
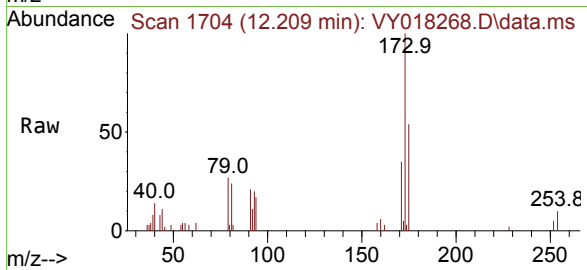
Tgt Ion:173 Resp: 3815

Ion Ratio Lower Upper

173 100

175 52.3 25.1 75.3

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

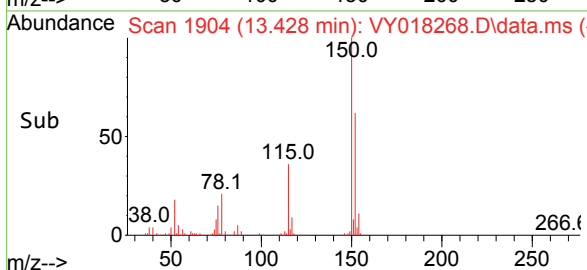
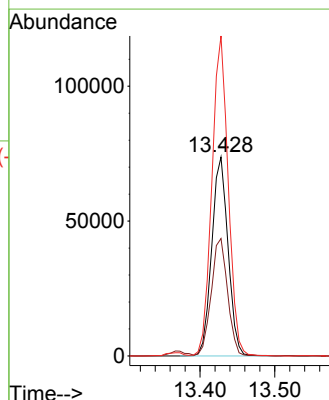
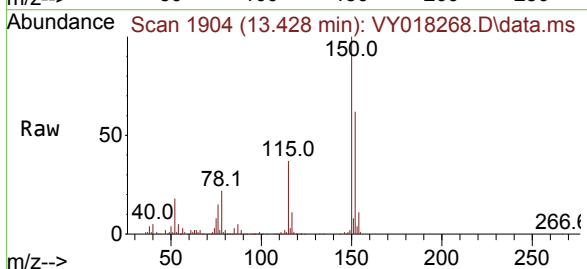
Tgt Ion:152 Resp: 111988

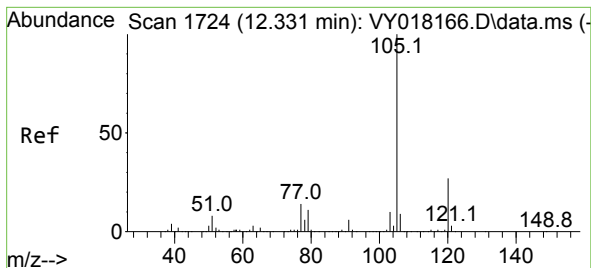
Ion Ratio Lower Upper

152 100

115 59.3 28.2 84.7

150 160.8 0.0 345.6





#73

Isopropylbenzene

Concen: 4.595 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

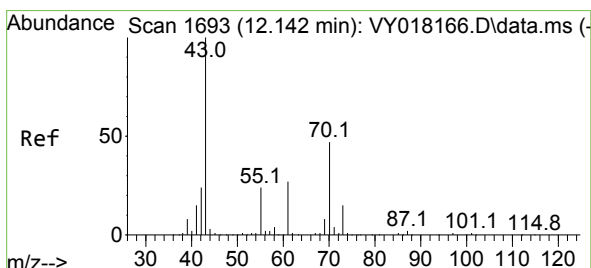
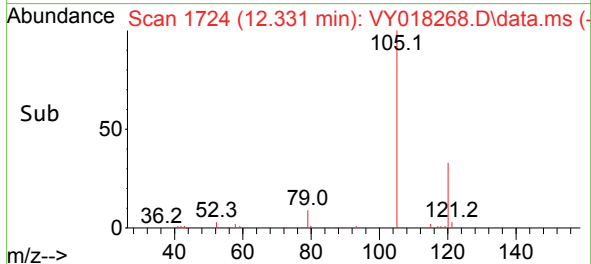
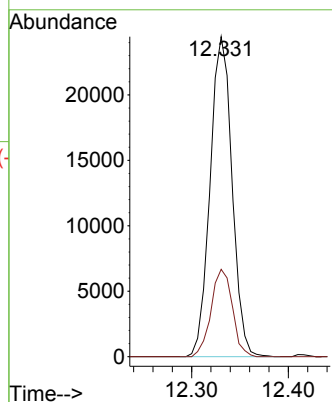
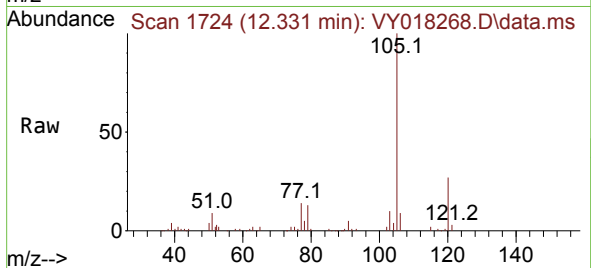
MDL-SOIL-03-QT2-2024

Tgt Ion:105 Resp: 38580

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.1



#74

N-ethyl acetate

Concen: 4.368 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Tgt Ion: 43 Resp: 7614

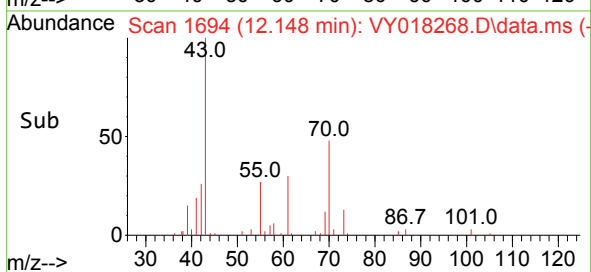
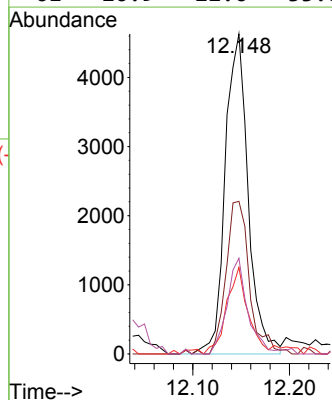
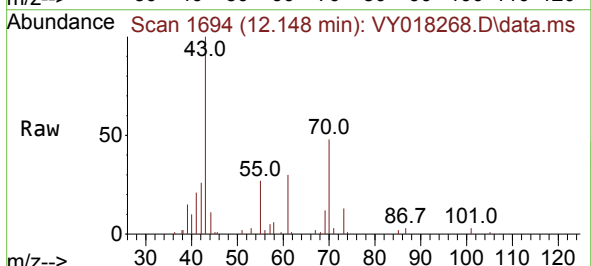
Ion Ratio Lower Upper

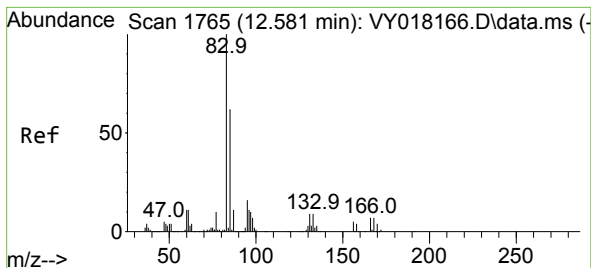
43 100

70 48.7 41.4 62.2

55 25.2 23.3 34.9

61 26.9 22.6 33.8





#75

1,1,2,2-Tetrachloroethane

Concen: 4.889 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

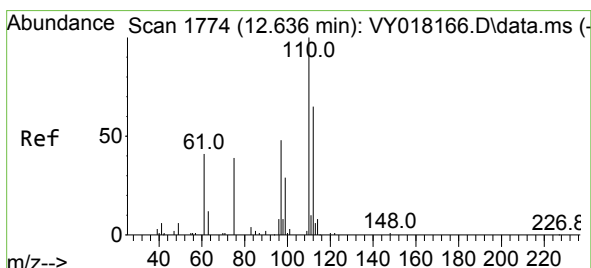
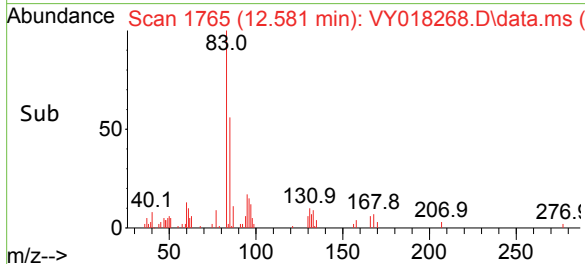
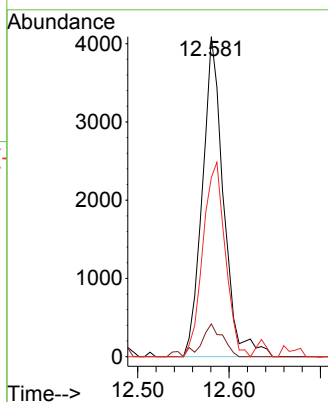
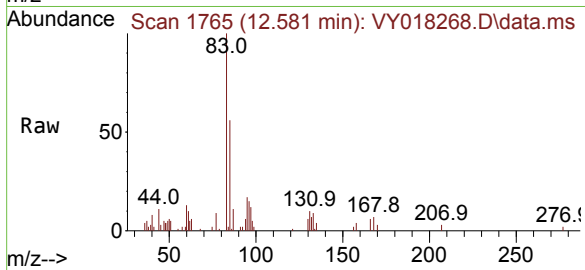
Tgt Ion: 83 Resp: 6548

Ion Ratio Lower Upper

83 100

131 10.0 5.0 14.9

85 64.2 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 9.183 ug/l

RT: 12.629 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY018268.D

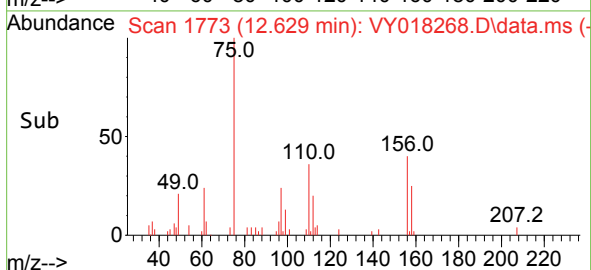
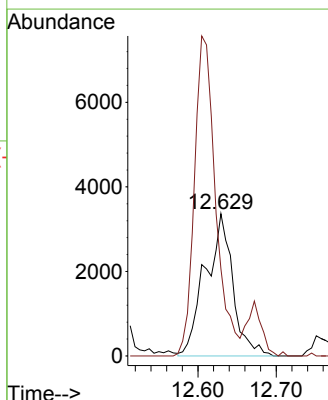
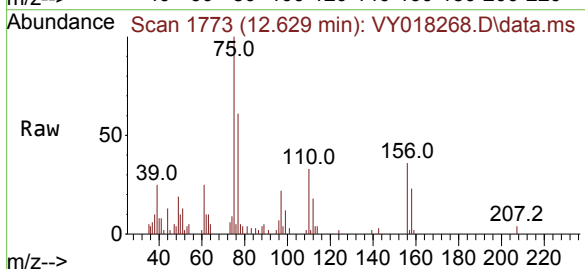
Acq: 15 May 2024 11:43

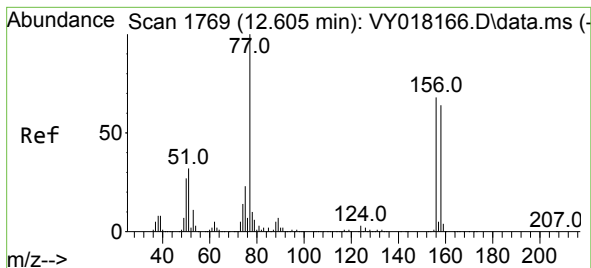
Tgt Ion: 75 Resp: 8232

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.395 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

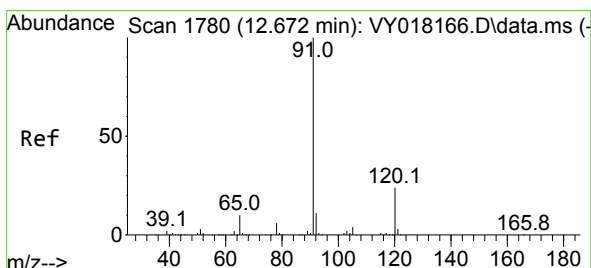
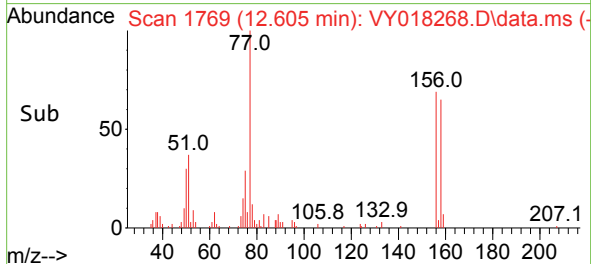
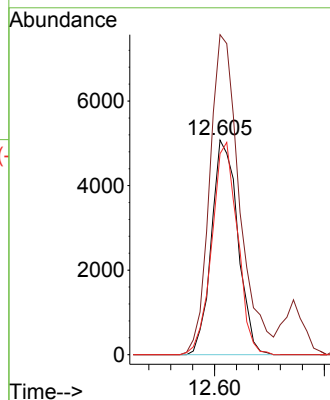
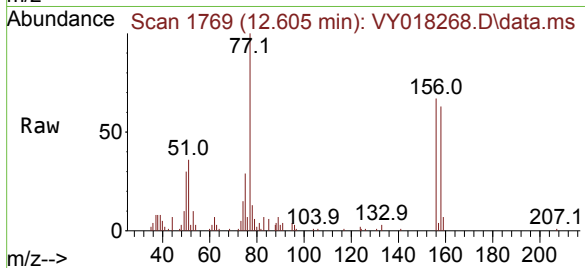
Tgt Ion:156 Resp: 8477

Ion Ratio Lower Upper

156 100

77 168.7 87.1 261.3

158 96.6 48.6 145.9



#78

n-propylbenzene

Concen: 4.777 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY018268.D

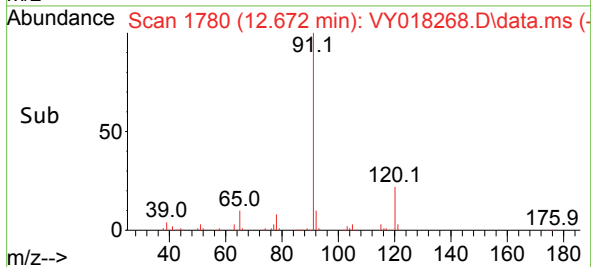
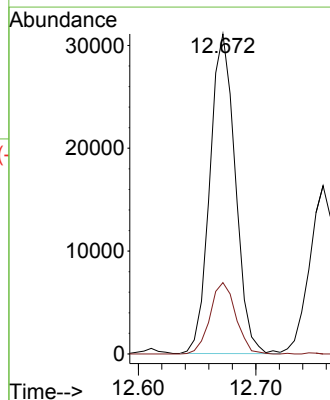
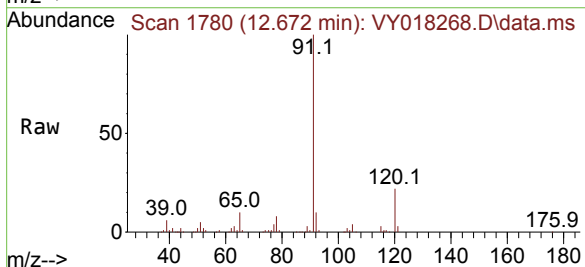
Acq: 15 May 2024 11:43

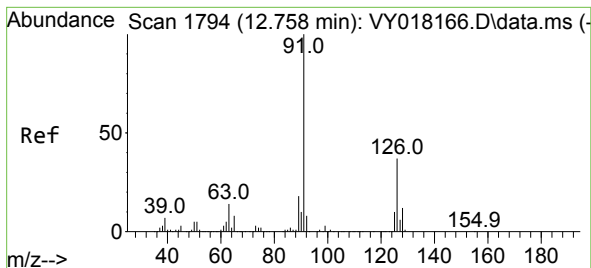
Tgt Ion: 91 Resp: 46654

Ion Ratio Lower Upper

91 100

120 22.6 11.5 34.4





#79

2-Chlorotoluene

Concen: 4.750 ug/l

RT: 12.757 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

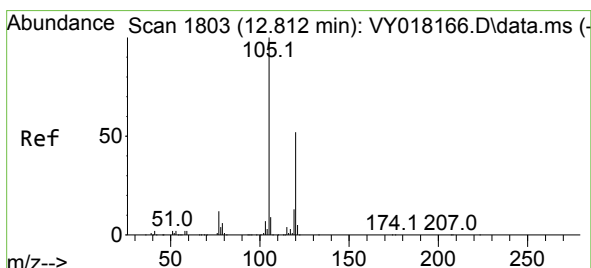
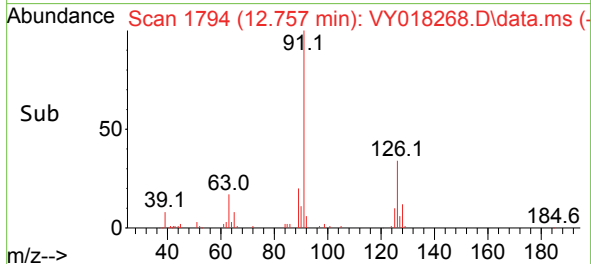
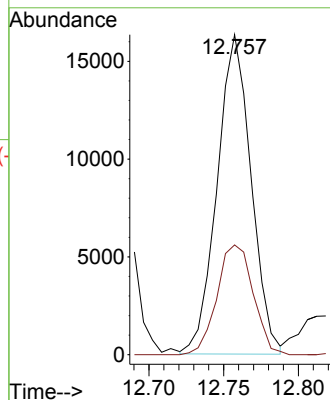
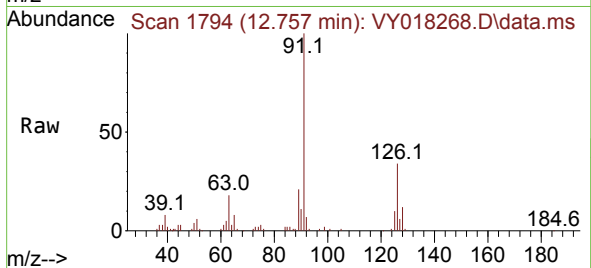
MDL-SOIL-03-QT2-2024

Tgt Ion: 91 Resp: 25779

Ion Ratio Lower Upper

91 100

126 36.6 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 4.584 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY018268.D

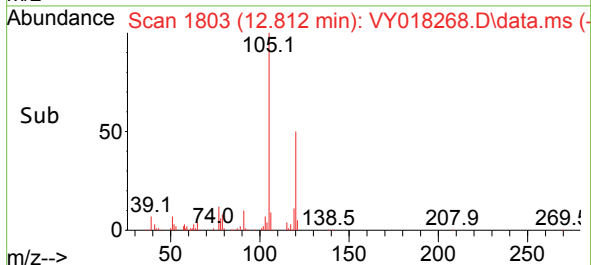
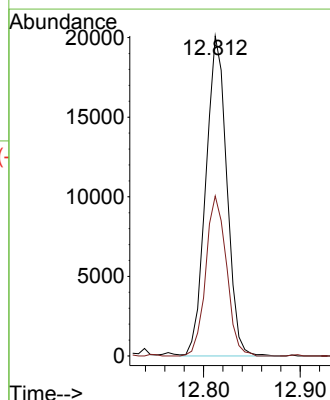
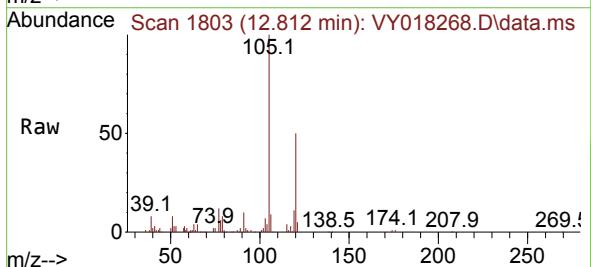
Acq: 15 May 2024 11:43

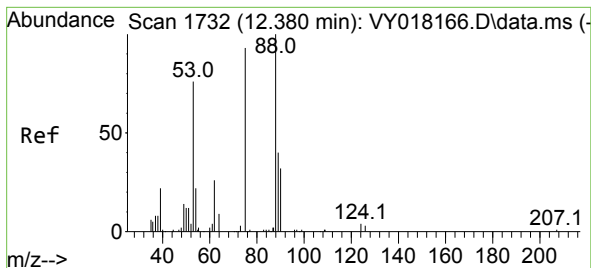
Tgt Ion: 105 Resp: 30349

Ion Ratio Lower Upper

105 100

120 49.3 25.1 75.2

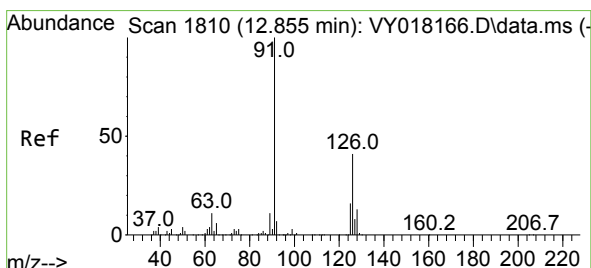
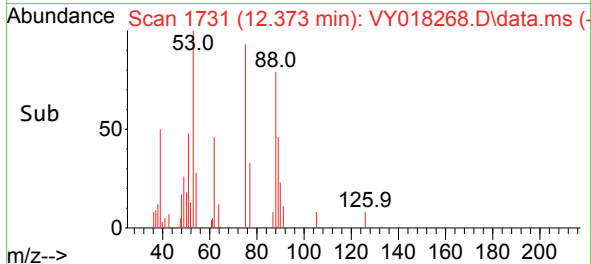
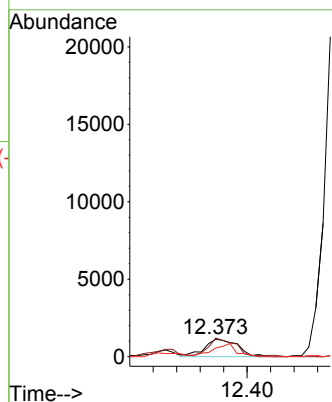
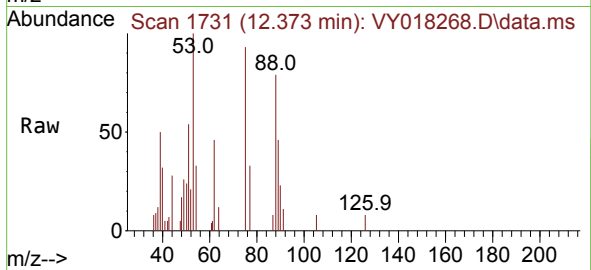




#81
trans-1,4-Dichloro-2-butene
Concen: 4.845 ug/l
RT: 12.373 min Scan# 1731
Delta R.T. -0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

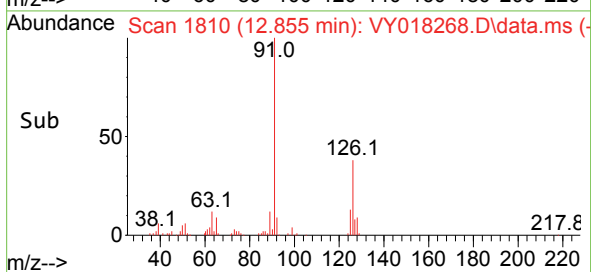
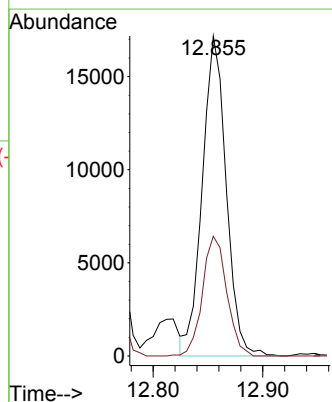
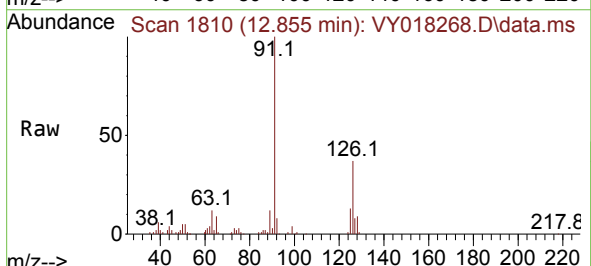
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

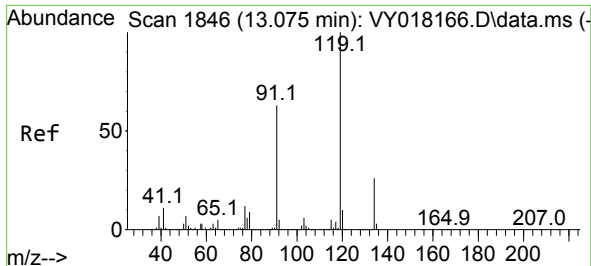
Tgt Ion: 75 Resp: 2254
Ion Ratio Lower Upper
75 100
53 77.9 66.8 100.2
89 51.4 35.8 53.6



#82
4-Chlorotoluene
Concen: 4.776 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion: 91 Resp: 26035
Ion Ratio Lower Upper
91 100
126 38.0 17.6 52.9

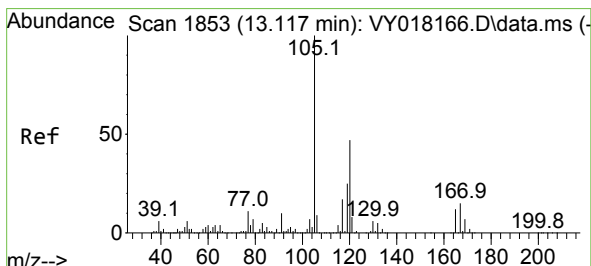
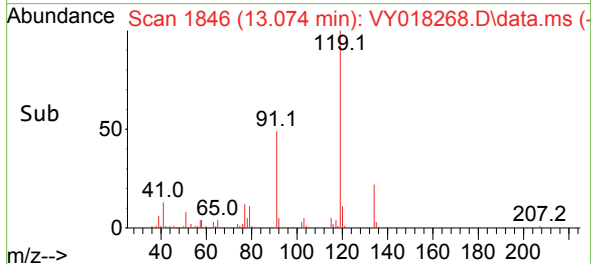
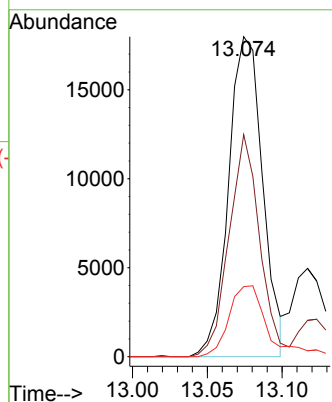
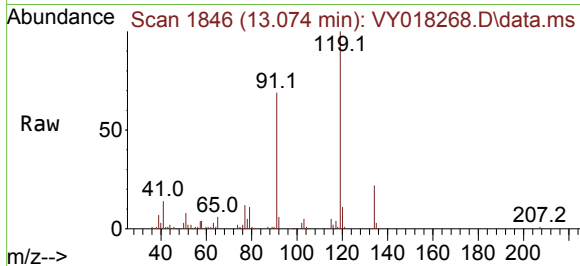




#83
tert-Butylbenzene
Concen: 4.666 ug/l
RT: 13.074 min Scan# 119
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

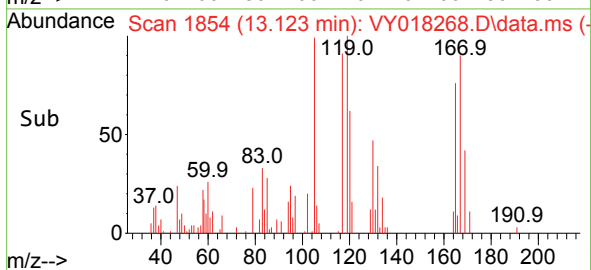
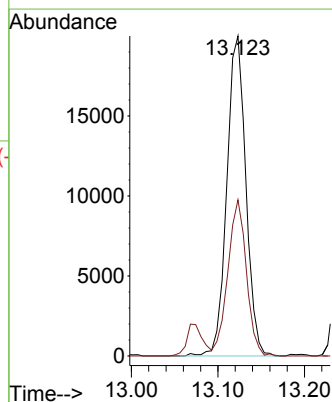
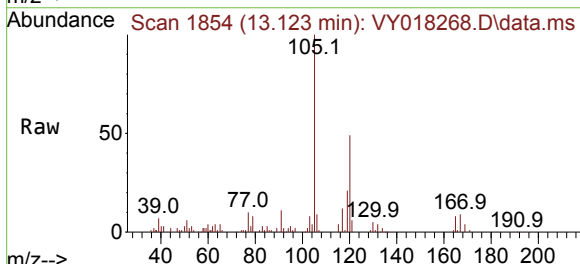
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

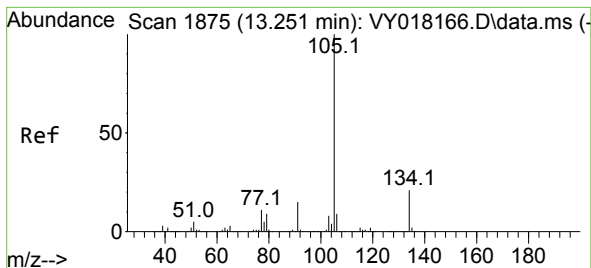
Tgt Ion:119 Resp: 28496
Ion Ratio Lower Upper
119 100
91 62.6 31.3 93.8
134 25.1 13.4 40.1



#84
1,2,4-Trimethylbenzene
Concen: 4.703 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion:105 Resp: 30500
Ion Ratio Lower Upper
105 100
120 47.6 23.2 69.6





#85

sec-Butylbenzene

Concen: 4.513 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

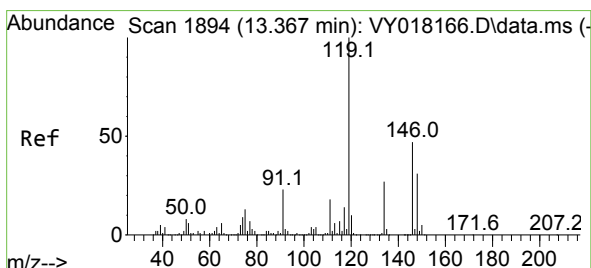
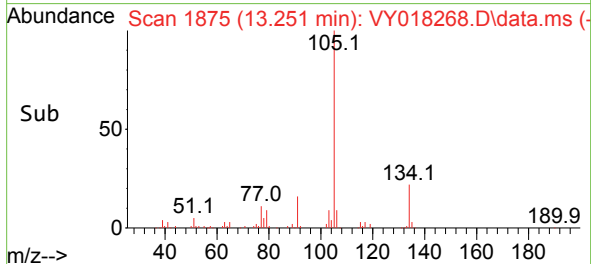
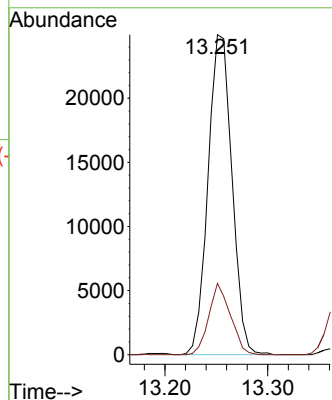
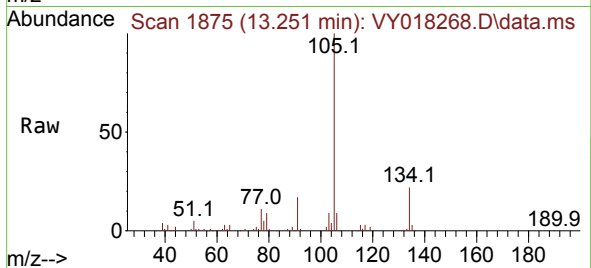
MDL-SOIL-03-QT2-2024

Tgt Ion:105 Resp: 40429

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1



#86

p-Isopropyltoluene

Concen: 4.557 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

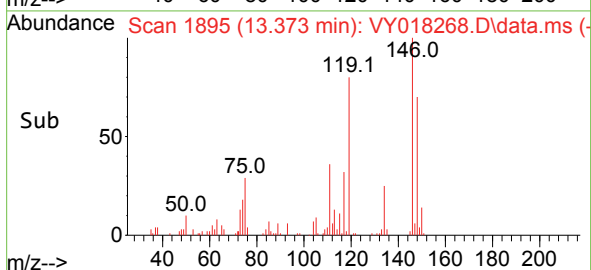
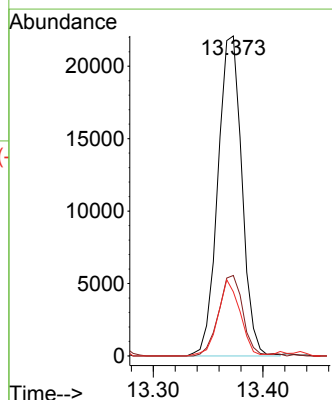
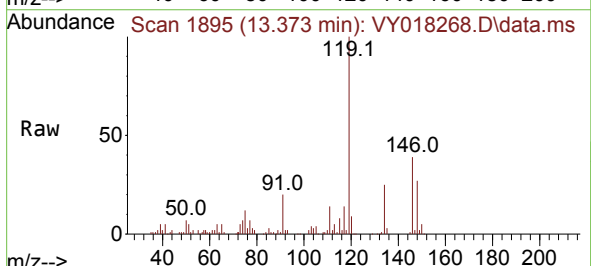
Tgt Ion:119 Resp: 33583

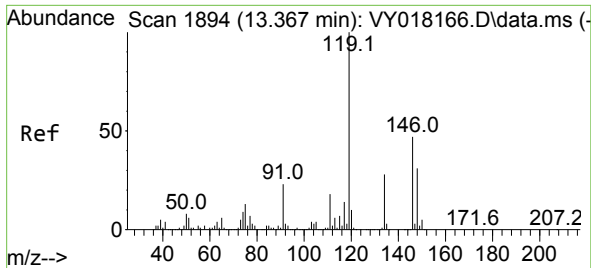
Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 22.0 10.7 32.1

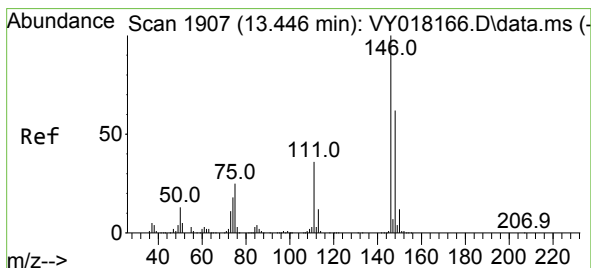
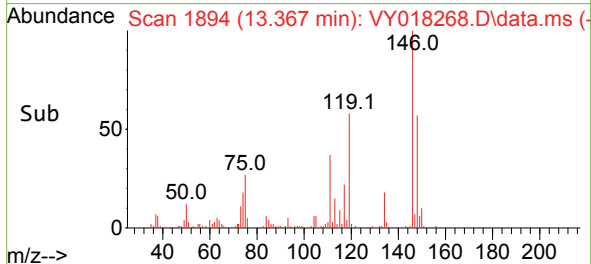
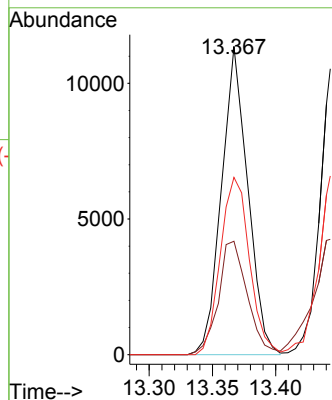
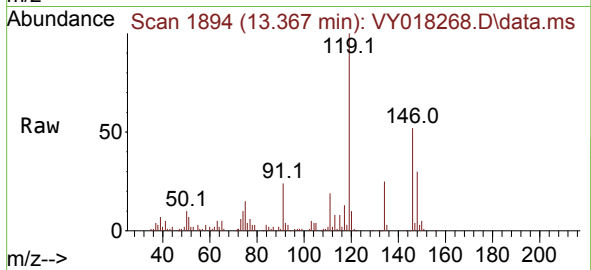




#87
1,3-Dichlorobenzene
Concen: 4.410 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

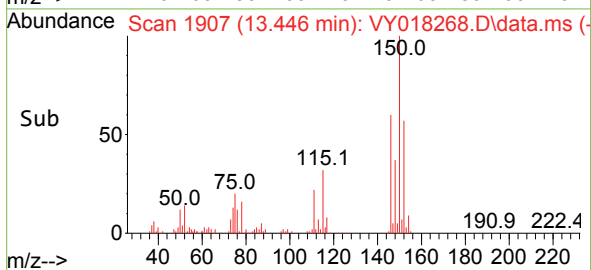
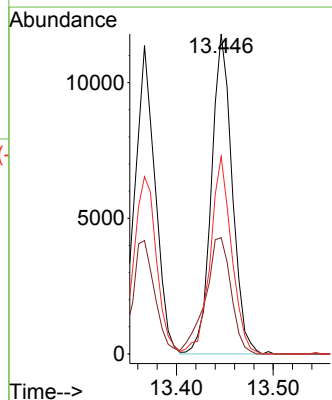
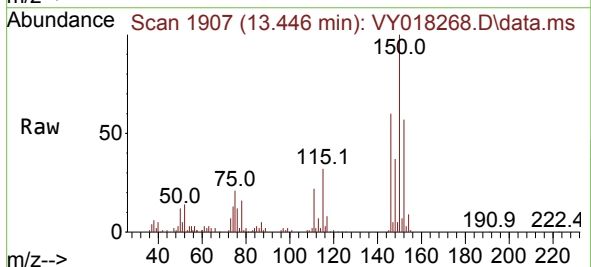
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2024

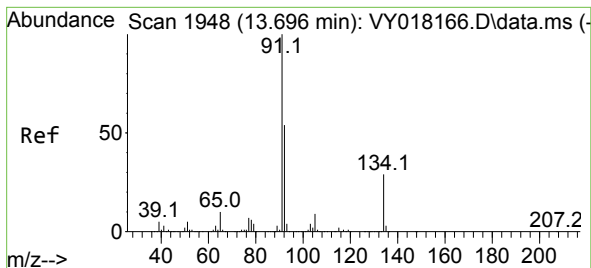
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.0	57.0
148	63.7	31.7	95.1



#88
1,4-Dichlorobenzene
Concen: 4.848 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	18.4	55.4
148	63.4	32.4	97.2





#89

n-Butylbenzene

Concen: 4.471 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

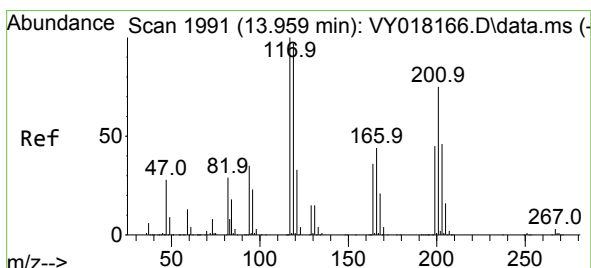
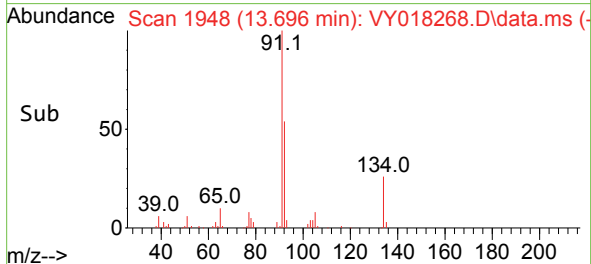
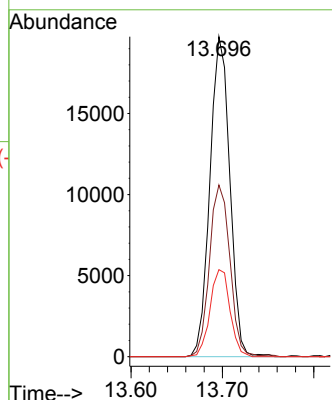
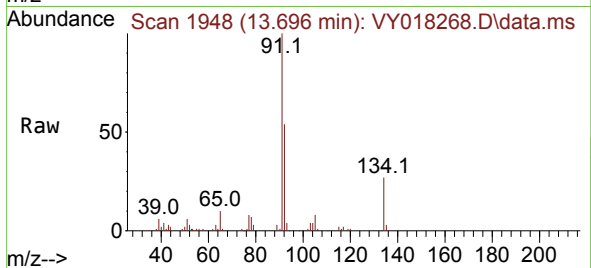
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:	91	Resp:	29815
Ion	Ratio	Lower	Upper
91	100		
92	55.3	26.6	79.7
134	27.3	12.9	38.7



#90

Hexachloroethane

Concen: 4.366 ug/l

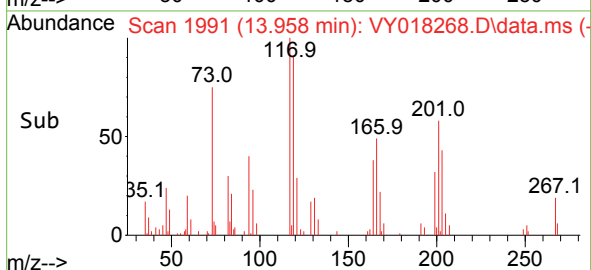
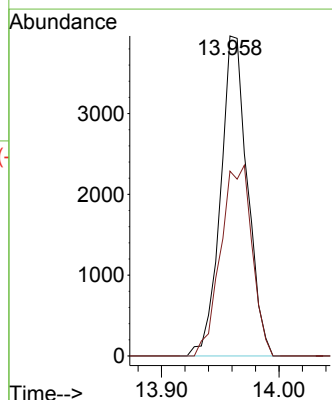
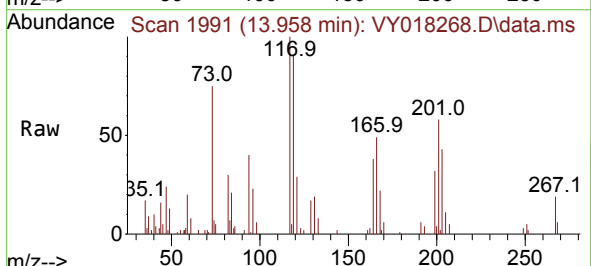
RT: 13.958 min Scan# 1991

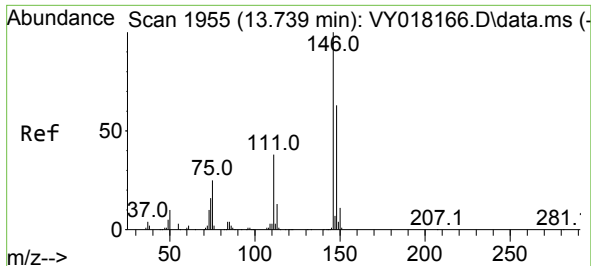
Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Tgt Ion:	117	Resp:	6312
Ion	Ratio	Lower	Upper
117	100		
201	69.3	37.4	112.2

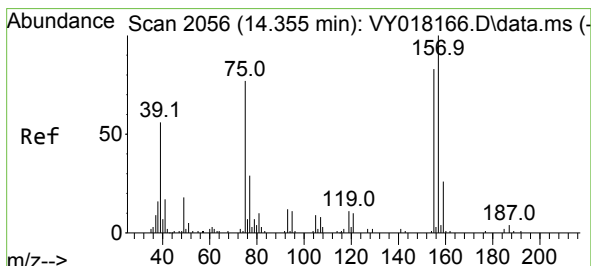
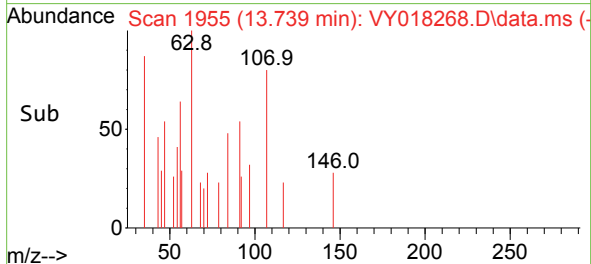
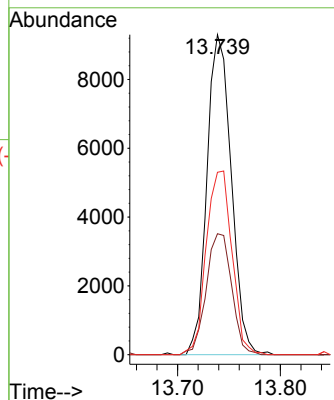
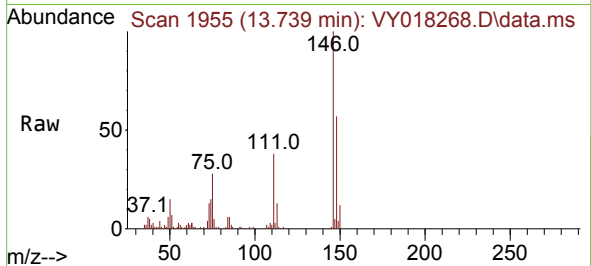




#91
1,2-Dichlorobenzene
Concen: 4.766 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. -0.000 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

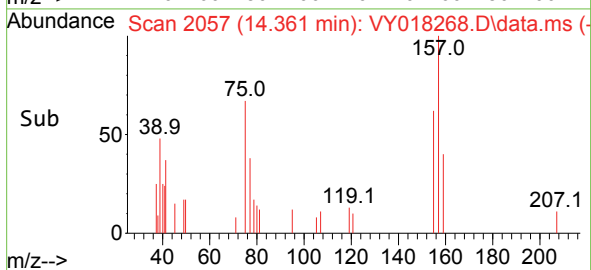
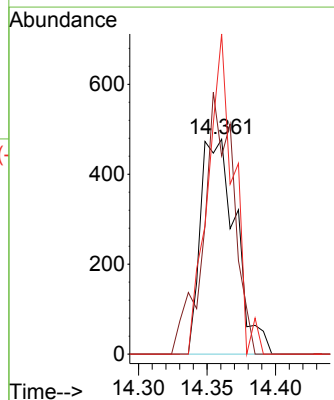
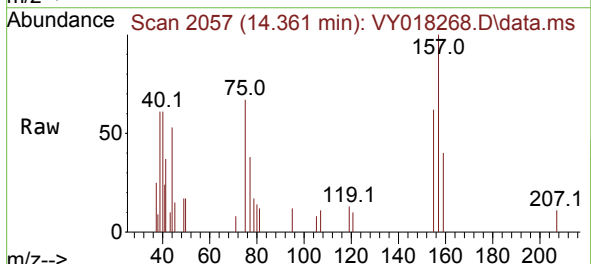
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2024

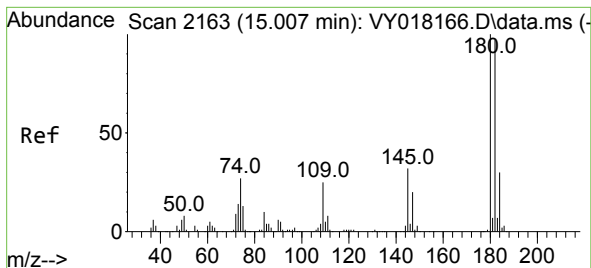
Tgt Ion:	146	Resp:	15260
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.9	59.7
148	60.8	31.8	95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.683 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VY018268.D
Acq: 15 May 2024 11:43

Tgt Ion:	75	Resp:	854
Ion Ratio	Lower	Upper	
75	100		
155	104.6	48.6	145.8
157	110.7	62.7	188.2





#93

1,2,4-Trichlorobenzene

Concen: 3.923 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

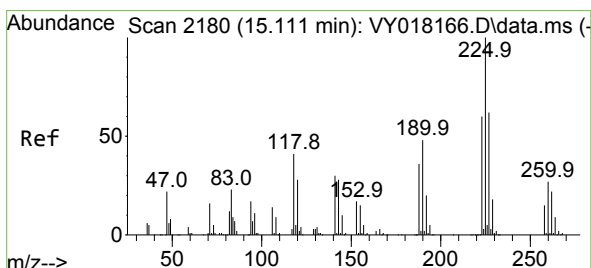
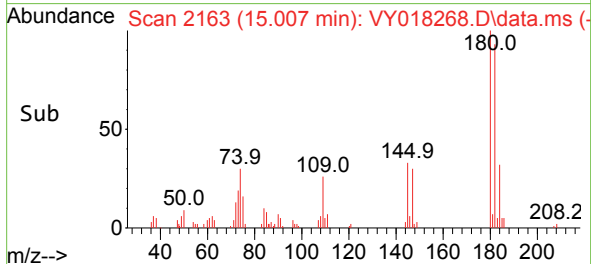
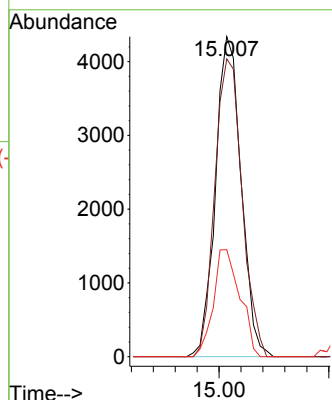
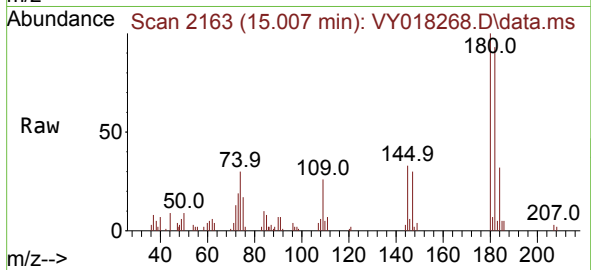
Tgt Ion:180 Resp: 7061

Ion Ratio Lower Upper

180 100

182 98.4 47.9 143.8

145 34.6 14.2 42.6



#94

Hexachlorobutadiene

Concen: 4.009 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

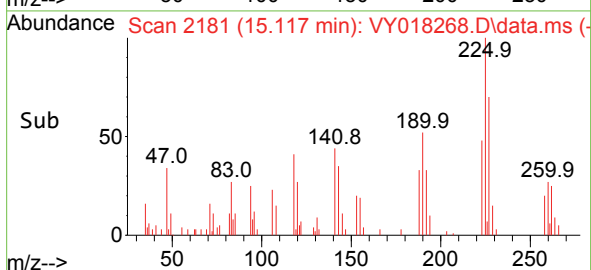
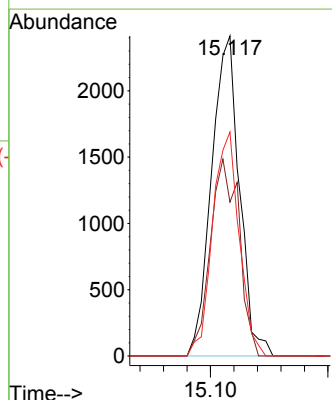
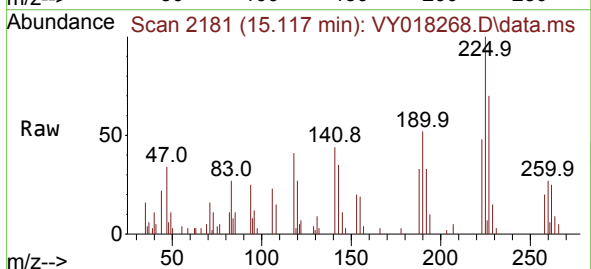
Tgt Ion:225 Resp: 3982

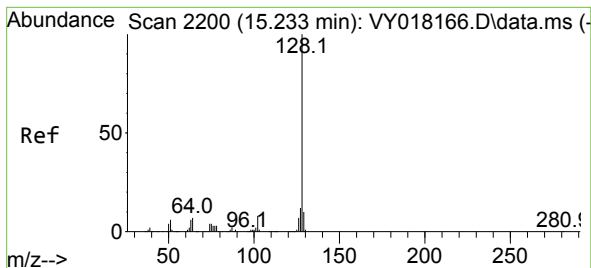
Ion Ratio Lower Upper

225 100

223 63.2 30.4 91.2

227 66.8 31.9 95.9





#95

Naphthalene

Concen: 3.868 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2024

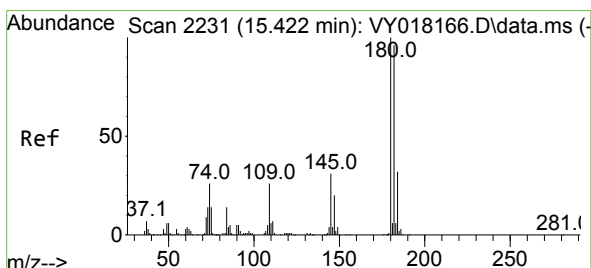
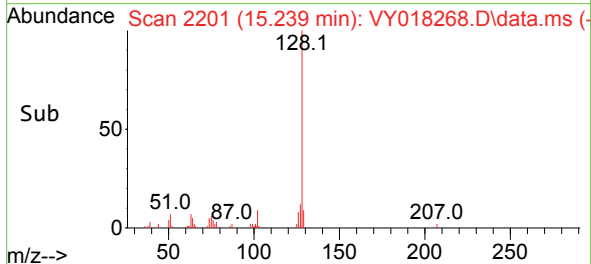
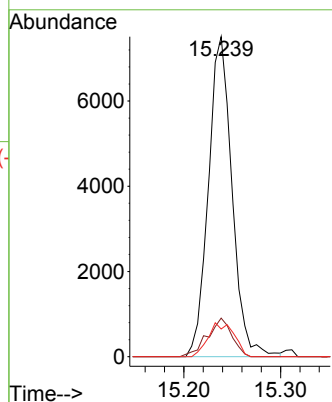
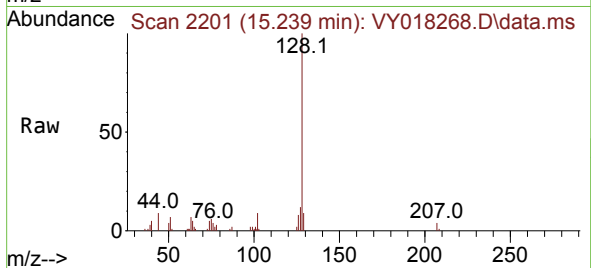
Tgt Ion:128 Resp: 12758

Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

129 11.6 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 3.974 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY018268.D

Acq: 15 May 2024 11:43

Tgt Ion:180 Resp: 5871

Ion Ratio Lower Upper

180 100

182 90.6 47.6 142.9

145 35.6 15.4 46.1

