

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051921\
 Data File : VY004850.D
 Acq On : 19 May 2021 15:00
 Operator : SY/MD
 Sample : M2250-03
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

Quant Time: May 20 03:14:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL051921SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 20 02:58:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.697	114	321204	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	298988	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	139536	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.247	65	122965	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.96%
7) Chloroethane-d5	2.765	69	91523	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.92%
11) 1,1-Dichloroethene-d2	3.857	63	164498	18.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.20%
21) 2-Butanone-d5	6.905	46	102370	47.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.30%
24) Chloroform-d	7.484	84	191302	23.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.88%
26) 1,2-Dichloroethane-d4	8.149	65	123359	23.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	8.118	84	422955	23.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.48%
36) 1,2-Dichloropropane-d6	9.124	67	135254	23.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.12%
41) Toluene-d8	10.179	98	379552	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloroprop...	10.441	79	63450	22.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.84%
47) 2-Hexanone-d5	10.788	63	74187	46.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.50%
56) 1,1,2,2-Tetrachloroeth...	12.562	84	116830	22.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.28%
66) 1,2-Dichlorobenzene-d4	13.721	152	118517	23.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.00%
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	5908	1.38	ug/L	95
3) Chloromethane	2.119	50	7048	1.34	ug/L	99
5) Vinyl chloride	2.253	62	9236	1.65	ug/L #	76
6) Bromomethane	2.662	94	3631	1.65	ug/L	98
8) Chloroethane	2.796	64	4220	1.29	ug/L	93
9) Trichlorofluoromethane	3.131	101	9661	1.35	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.912	101	7453	1.75	ug/L #	84
12) 1,1-Dichloroethene	3.881	96	6071	1.53	ug/L #	1
13) Acetone	3.960	43	5739	4.47	ug/L	77
14) Carbon disulfide	4.204	76	17262	1.35	ug/L	95
15) Methyl Acetate	4.491	43	5277	1.47	ug/L #	78
16) Methylene chloride	4.728	84	17741	3.22	ug/L	90
17) trans-1,2-Dichloroethene	5.234	96	5923	1.38	ug/L	85
18) Methyl tert-butyl Ether	5.234	73	15611	1.26	ug/L #	89
19) 1,1-Dichloroethane	6.033	63	10441	1.27	ug/L	94
20) cis-1,2-Dichloroethene	6.996	96	6083	1.31	ug/L	99
22) 2-Butanone	6.996	43	6366	2.87	ug/L	82
23) Bromochloromethane	7.338	128	3039	1.39	ug/L	85
25) Chloroform	7.515	83	16863	2.00	ug/L	94

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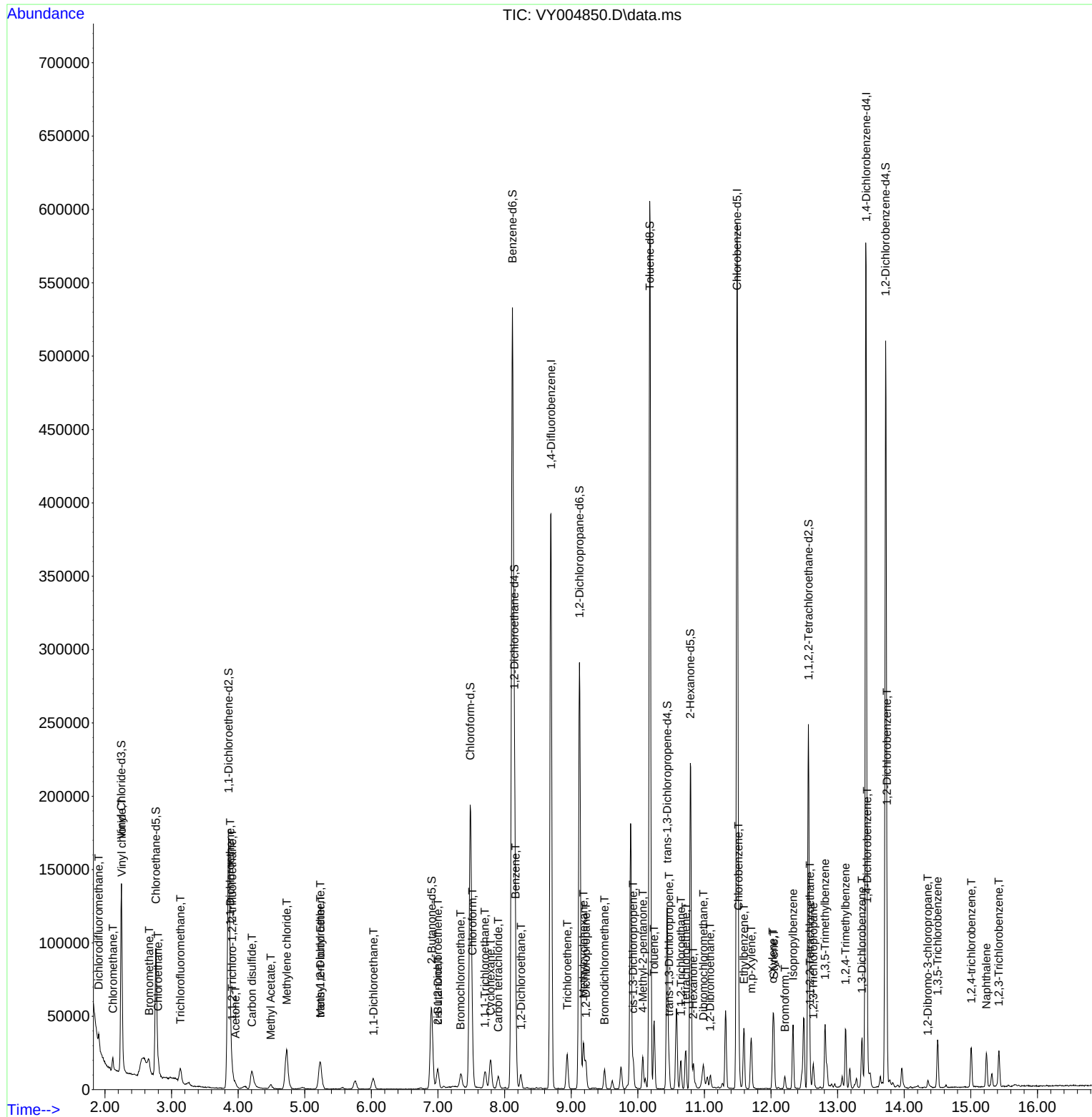
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.246	62	7907	1.36	ug/L #	93
29) Cyclohexane	7.789	56	9849	1.27	ug/L	97
30) 1,1,1-Trichloroethane	7.704	97	9147	1.30	ug/L	99
31) Carbon tetrachloride	7.905	117	5958	1.07	ug/L	96
33) Benzene	8.167	78	23838	1.29	ug/L	100
34) Trichloroethene	8.941	95	6044	1.30	ug/L	88
35) Methylcyclohexane	9.185	83	10625	1.36	ug/L	95
37) 1,2-Dichloropropane	9.222	63	6548	1.33	ug/L	99
38) Bromodichloromethane	9.502	83	7888	1.30	ug/L	96
39) cis-1,3-Dichloropropene	9.929	75	10444	1.37	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	15533	2.96	ug/L	99
42) Toluene	10.246	91	31347	1.61	ug/L	100
44) trans-1,3-Dichloropropene	10.471	75	12147	1.71	ug/L	94
45) 1,1,2-Trichloroethane	10.648	97	5257	1.37	ug/L	95
46) Tetrachloroethene	10.721	164	4858	1.38	ug/L	97
48) 2-Hexanone	10.831	43	9944	2.81	ug/L	98
49) Dibromochloromethane	10.983	129	5462	1.27	ug/L	97
50) 1,2-Dibromoethane	11.087	107	4626	1.25	ug/L #	97
51) Chlorobenzene	11.514	112	16283	1.35	ug/L	97
52) Ethylbenzene	11.593	91	27799	1.32	ug/L	96
53) m,p-Xylene	11.703	106	10604	1.36	ug/L	95
54) o-Xylene	12.026	106	8975	1.21	ug/L	94
55) Styrene	12.044	104	14683	1.15	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.587	83	6981	1.50	ug/L	95
59) Bromoform	12.209	173	3564	1.34	ug/L #	96
60) Isopropylbenzene	12.331	105	25078	1.28	ug/L	98
61) 1,2,3-Trichloropropane	12.636	75	5265	1.39	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	20507	1.30	ug/L	97
63) 1,2,4-Trimethylbenzene	13.117	105	20648	1.31	ug/L	100
64) 1,3-Dichlorobenzene	13.367	146	11984	1.43	ug/L	97
65) 1,4-Dichlorobenzene	13.446	146	12882	1.52	ug/L	99
67) 1,2-Dichlorobenzene	13.739	146	11669	1.51	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.355	75	1343	1.56	ug/L	86
69) 1,3,5-Trichlorobenzene	14.501	180	9283	1.65	ug/L	97
70) 1,2,4-trichlorobenzene	15.007	180	7617	1.62	ug/L	99
71) Naphthalene	15.233	128	18275	1.54	ug/L	98
72) 1,2,3-Trichlorobenzene	15.422	180	7068	1.65	ug/L	98

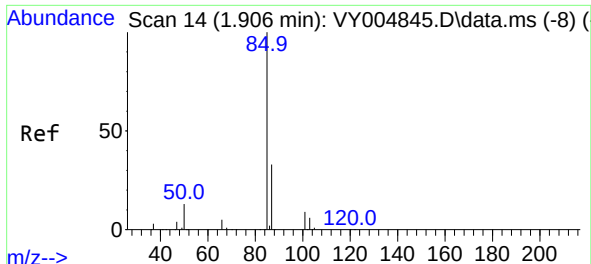
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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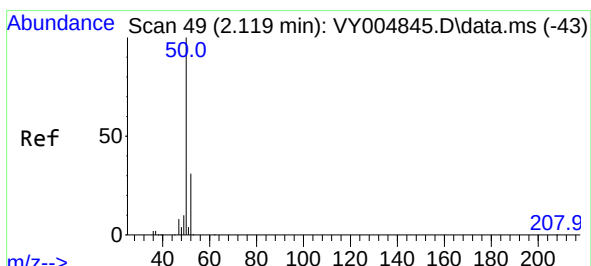
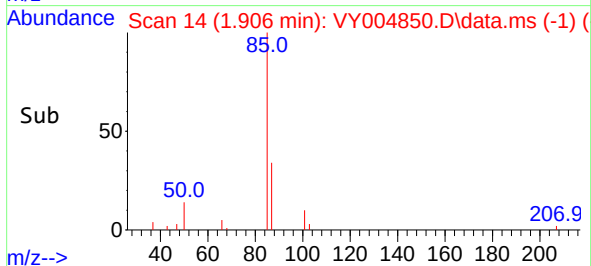
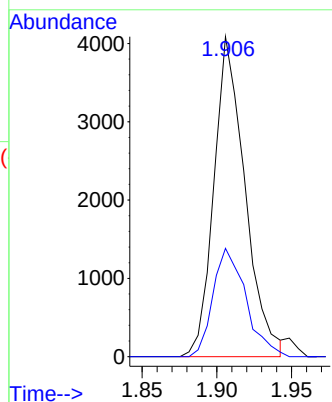
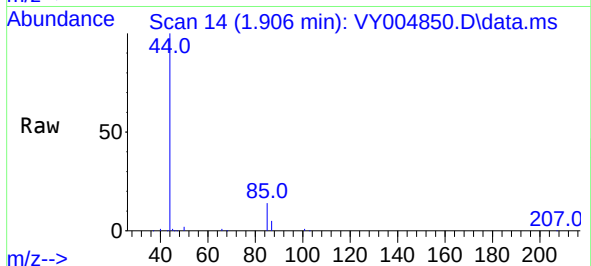




#2
Dichlorodifluoromethane
Concen: 1.38 ug/L
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

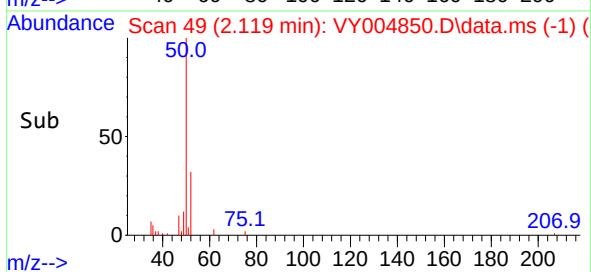
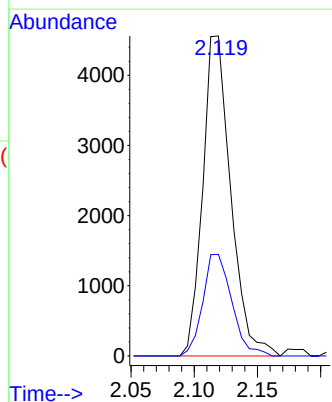
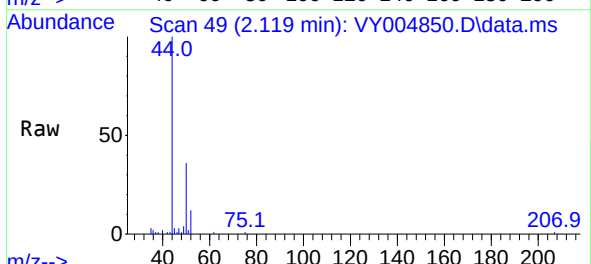
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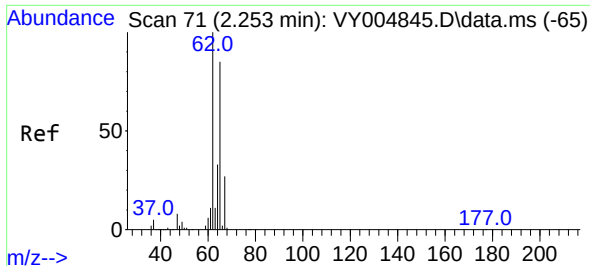
Tgt Ion: 85 Resp: 5908
Ion Ratio Lower Upper
85 100
87 35.8 26.2 39.2



#3
Chloromethane
Concen: 1.34 ug/L
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 50 Resp: 7048
Ion Ratio Lower Upper
50 100
52 31.8 21.8 40.4

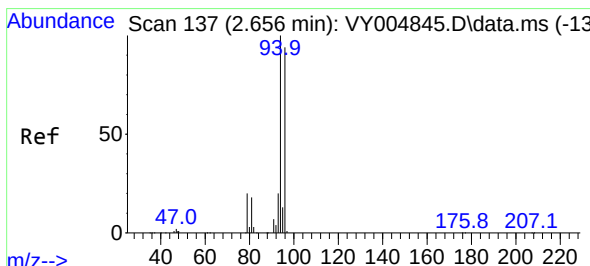
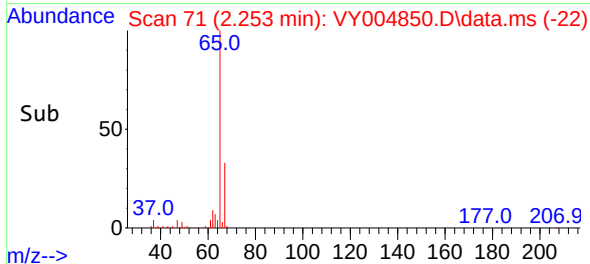
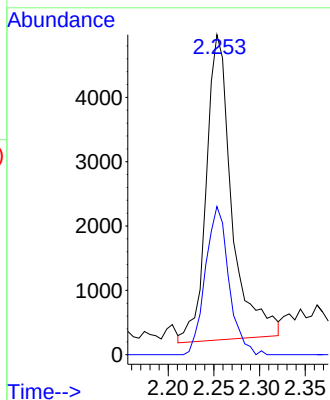
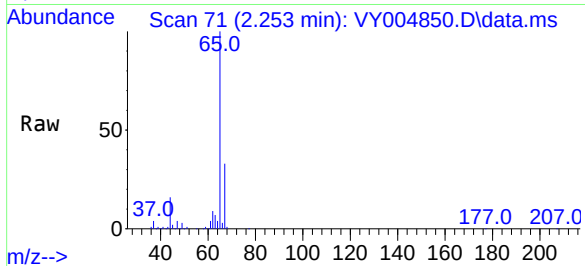




#5
 Vinyl chloride
 Concen: 1.65 ug/L
 RT: 2.253 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VY004850.D
 Acq: 19 May 2021 15:00

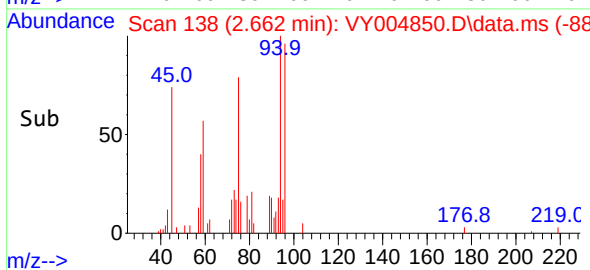
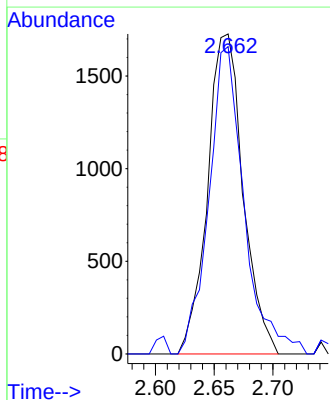
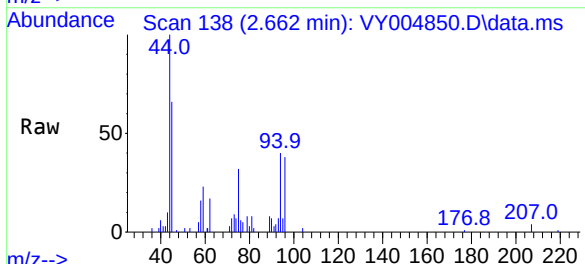
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

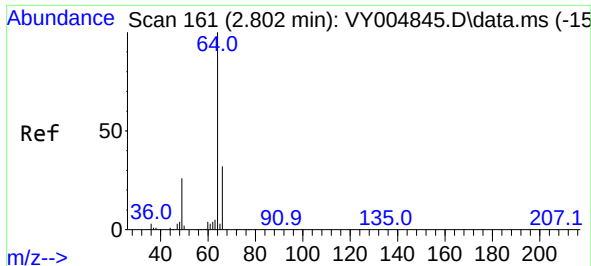
Tgt Ion: 62 Resp: 9236
 Ion Ratio Lower Upper
 62 100
 64 46.3 22.8 42.4#



#6
 Bromomethane
 Concen: 1.65 ug/L
 RT: 2.662 min Scan# 138
 Delta R.T. 0.006 min
 Lab File: VY004850.D
 Acq: 19 May 2021 15:00

Tgt Ion: 94 Resp: 3631
 Ion Ratio Lower Upper
 94 100
 96 96.1 65.9 122.5

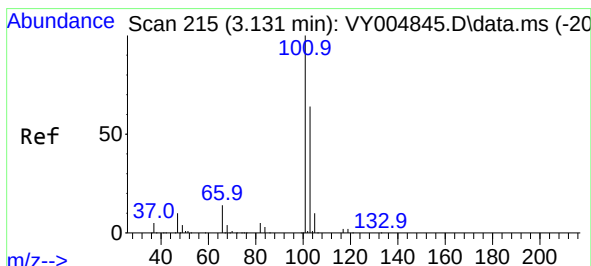
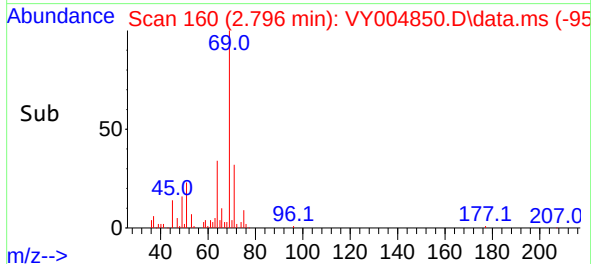
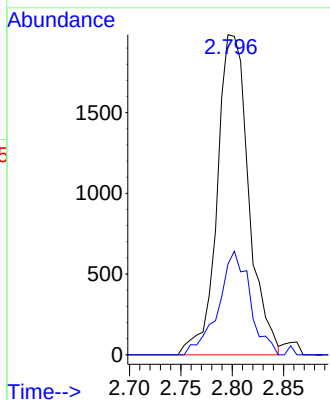
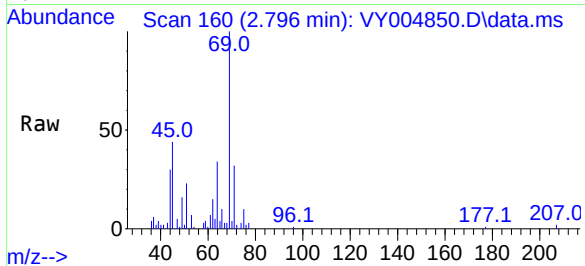




#8
Chloroethane
Concen: 1.29 ug/L
RT: 2.796 min Scan# 160
Delta R.T. -0.006 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

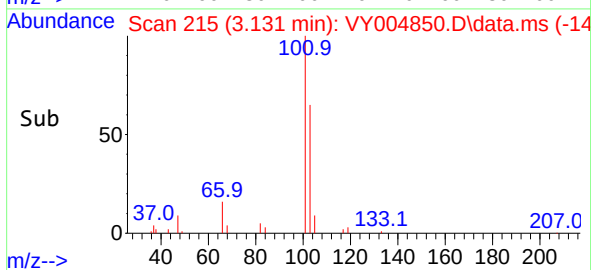
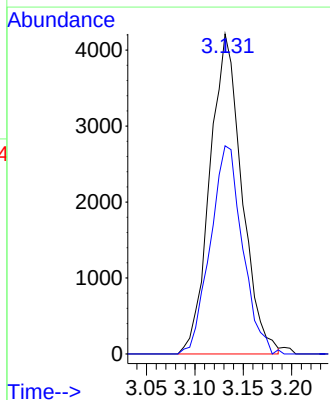
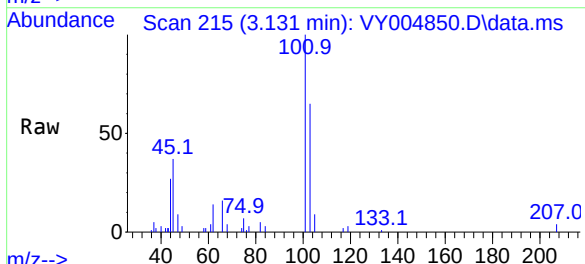
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

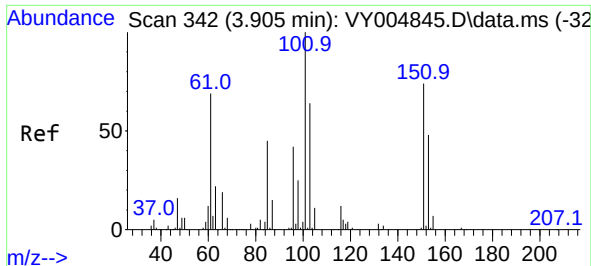
Tgt Ion: 64 Resp: 4220
Ion Ratio Lower Upper
64 100
66 28.3 22.7 42.3



#9
Trichlorofluoromethane
Concen: 1.35 ug/L
RT: 3.131 min Scan# 215
Delta R.T. 0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 101 Resp: 9661
Ion Ratio Lower Upper
101 100
103 65.3 51.4 77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.75 ug/L

RT: 3.912 min Scan# 343

Delta R.T. 0.006 min

Lab File: VY004850.D

Acq: 19 May 2021 15:00

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-QT3-2021-05

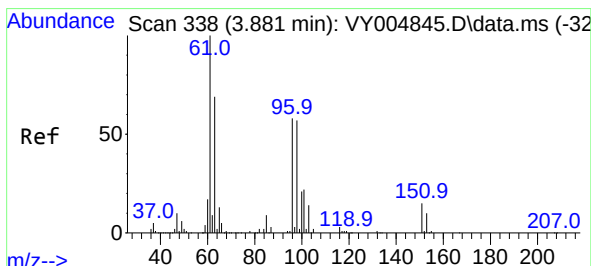
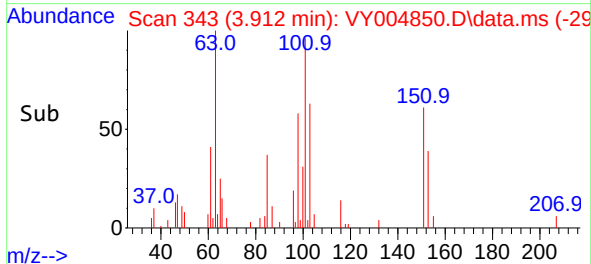
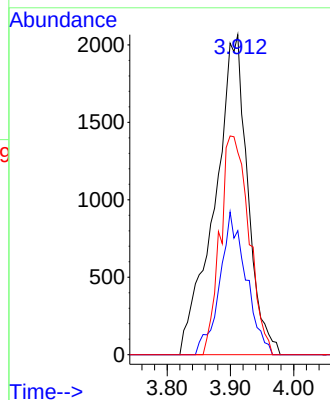
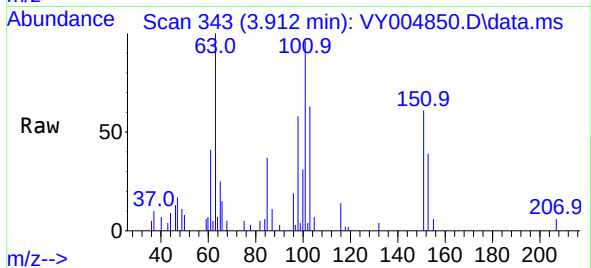
Tgt Ion:101 Resp: 7453

Ion Ratio Lower Upper

101 100

85 35.6 36.6 54.8#

151 59.8 59.0 88.4



#12

1,1-Dichloroethene

Concen: 1.53 ug/L

RT: 3.881 min Scan# 338

Delta R.T. 0.000 min

Lab File: VY004850.D

Acq: 19 May 2021 15:00

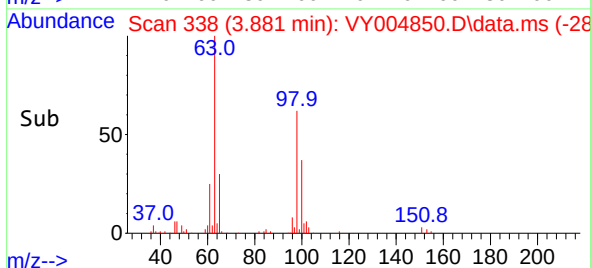
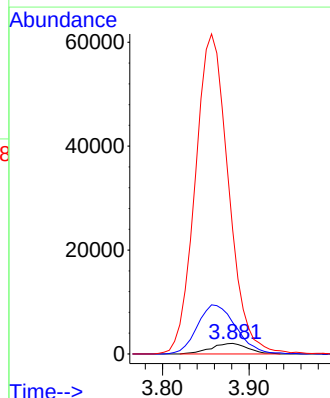
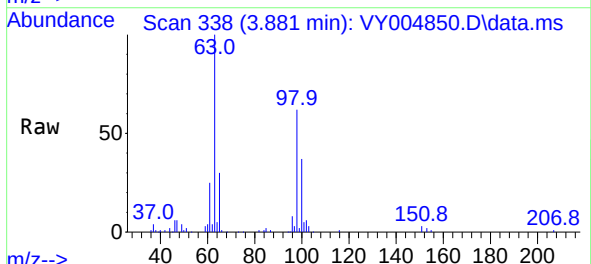
Tgt Ion: 96 Resp: 6071

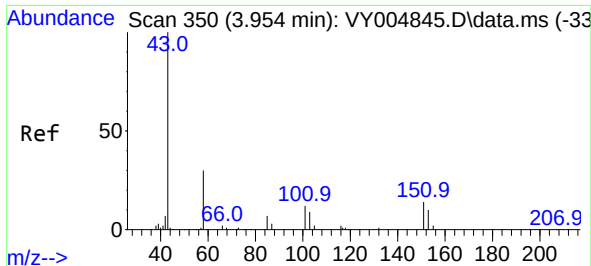
Ion Ratio Lower Upper

96 100

61 299.0 121.2 225.2#

63 1176.8 86.9 161.3#

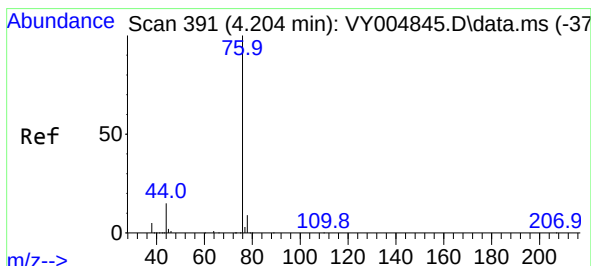
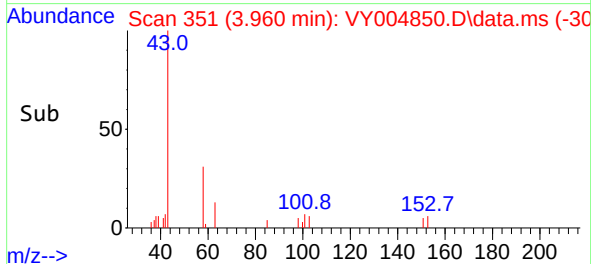
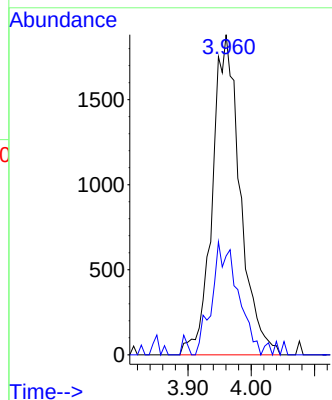
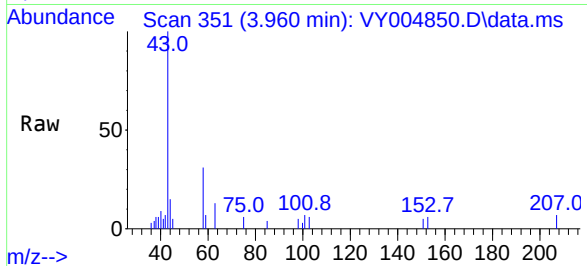




#13
Acetone
Concen: 4.47 ug/L
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

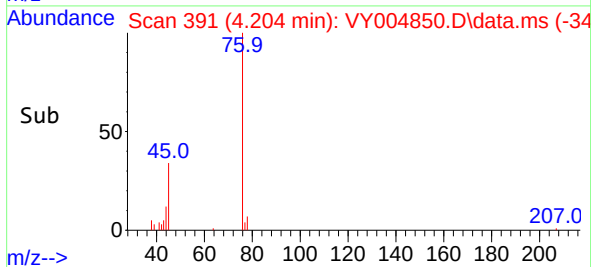
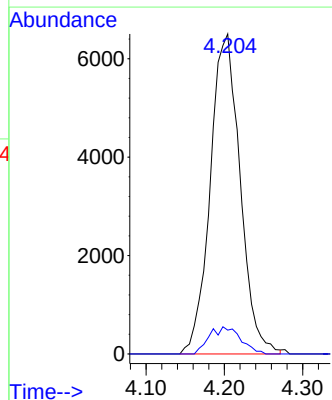
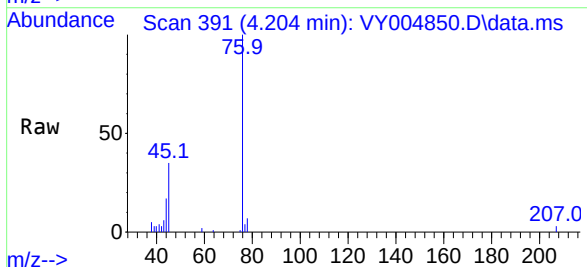
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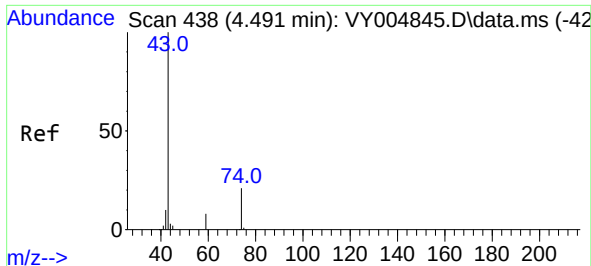
Tgt Ion: 43 Resp: 5739
Ion Ratio Lower Upper
43 100
58 18.2 0.0 61.0



#14
Carbon disulfide
Concen: 1.35 ug/L
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 76 Resp: 17262
Ion Ratio Lower Upper
76 100
78 7.5 7.4 11.2

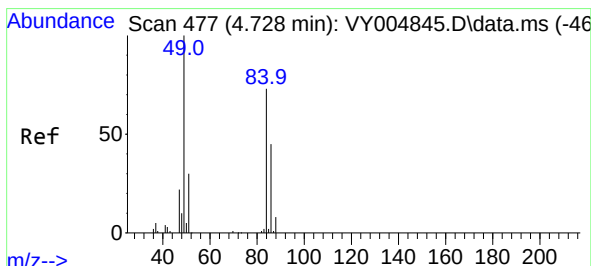
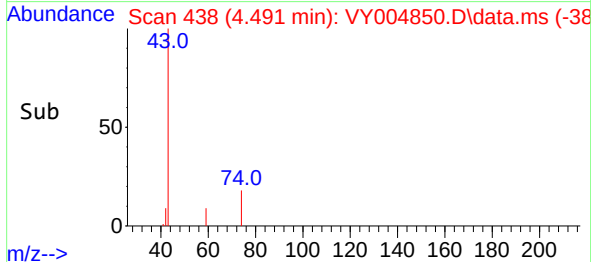
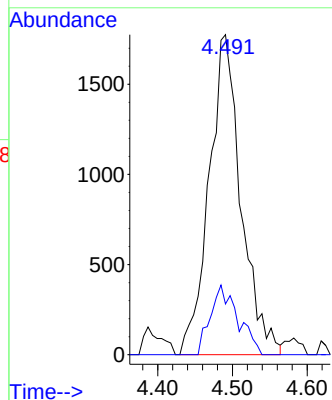
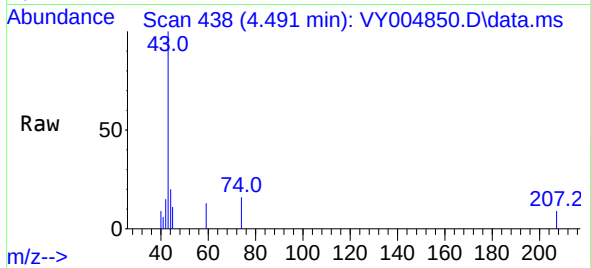




#15
Methyl Acetate
Concen: 1.47 ug/L
RT: 4.491 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

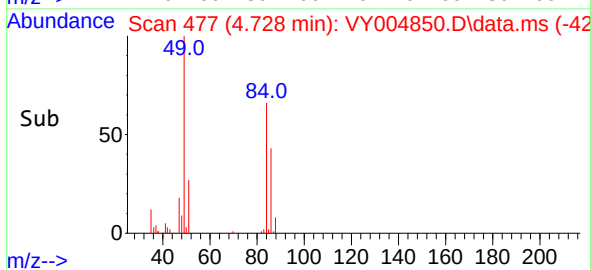
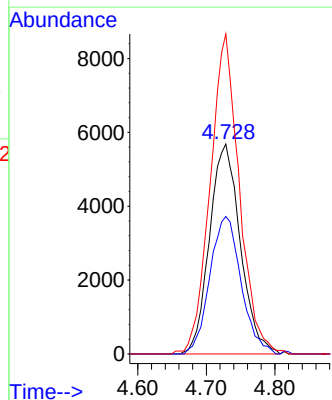
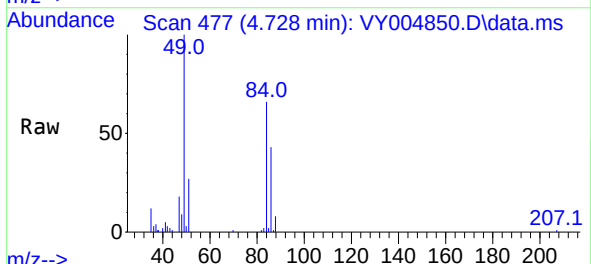
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

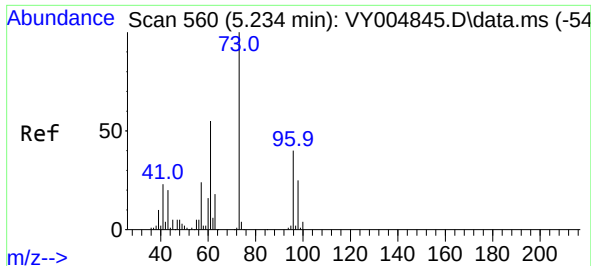
Tgt Ion: 43 Resp: 5277
Ion Ratio Lower Upper
43 100
74 10.5 16.7 25.1#



#16
Methylene chloride
Concen: 3.22 ug/L
RT: 4.728 min Scan# 477
Delta R.T. 0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 84 Resp: 17741
Ion Ratio Lower Upper
84 100
86 65.5 43.2 80.2
49 152.4 96.0 178.4

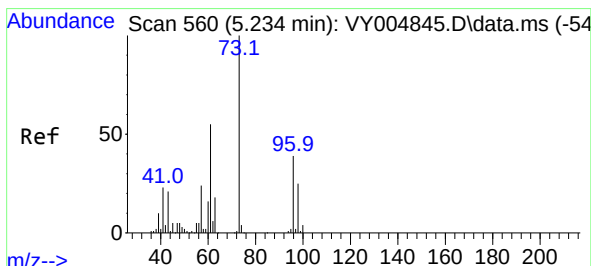
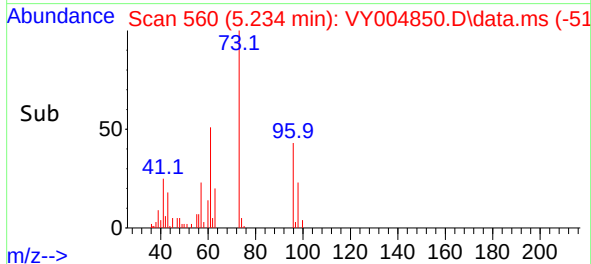
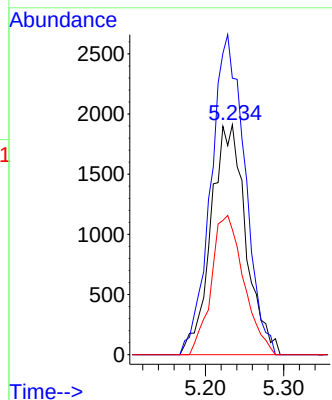
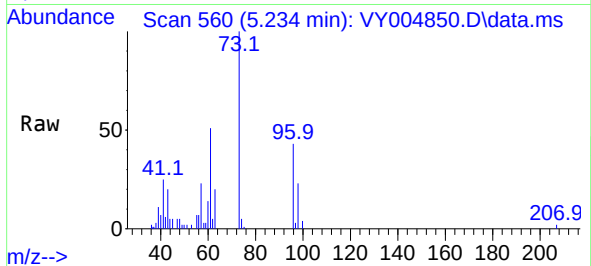




#17
trans-1,2-Dichloroethene
Concen: 1.38 ug/L
RT: 5.234 min Scan# 560
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

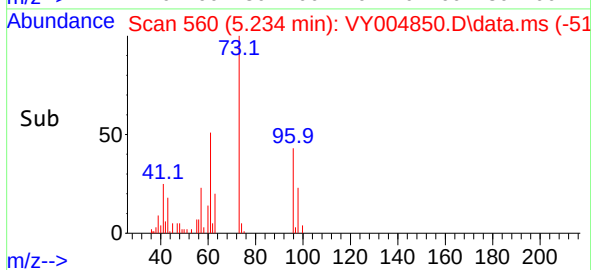
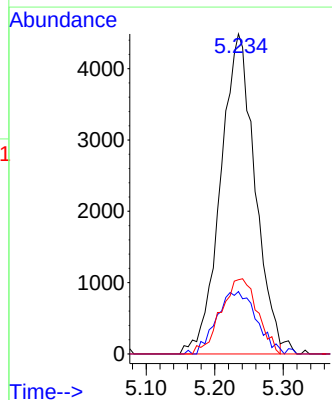
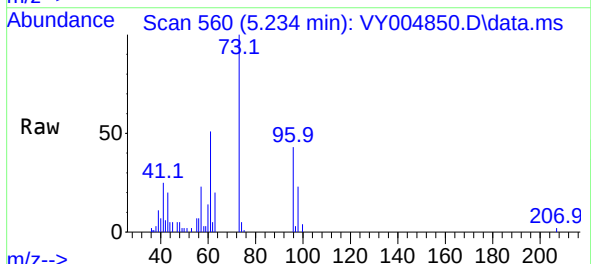
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

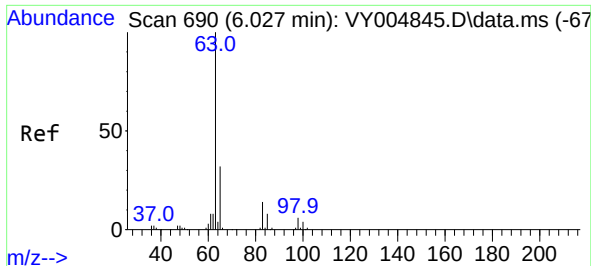
Tgt Ion:	96	Resp:	5923
Ion	Ratio	Lower	Upper
96	100		
61	120.3	97.6	181.2
98	54.4	44.8	83.2



#18
Methyl tert-butyl Ether
Concen: 1.26 ug/L
RT: 5.234 min Scan# 560
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion:	73	Resp:	15611
Ion	Ratio	Lower	Upper
73	100		
43	10.9	16.8	25.2#
57	24.4	18.7	28.1





#19

1,1-Dichloroethane

Concen: 1.27 ug/L

RT: 6.033 min Scan# 691

Delta R.T. 0.006 min

Lab File: VY004850.D

Acq: 19 May 2021 15:00

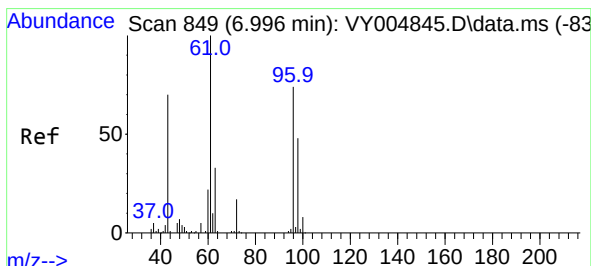
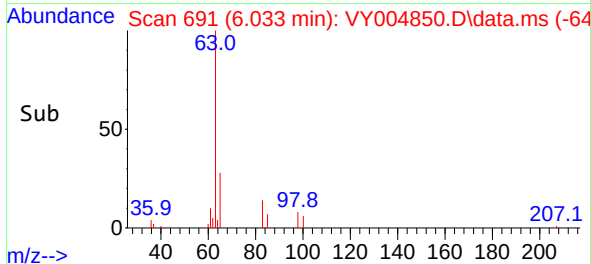
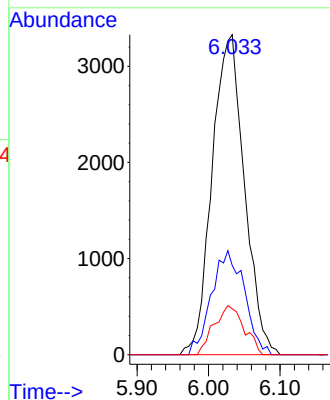
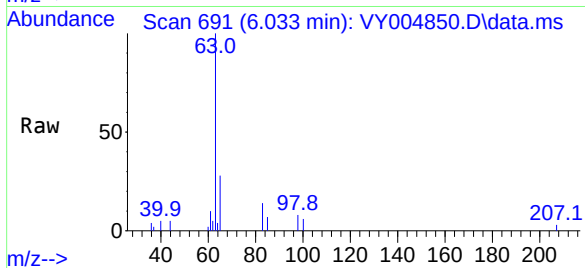
Tgt Ion: 63 Resp: 10441

Ion Ratio Lower Upper

63 100

65 27.9 22.4 41.6

83 14.3 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 1.31 ug/L

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY004850.D

Acq: 19 May 2021 15:00

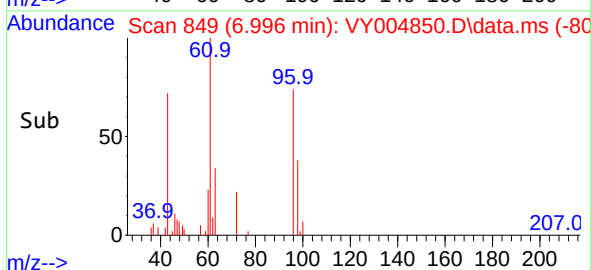
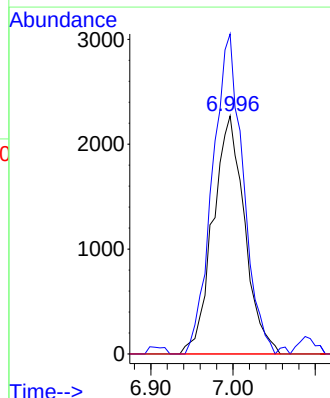
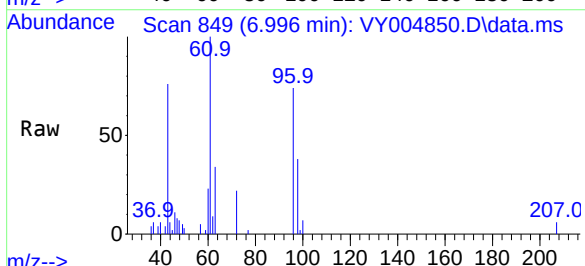
Tgt Ion: 96 Resp: 6083

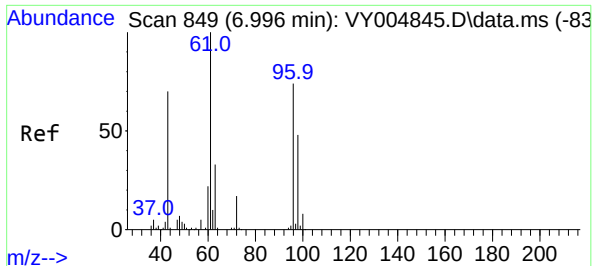
Ion Ratio Lower Upper

96 100

61 134.4 94.8 176.2

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 2.87 ug/L

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY004850.D

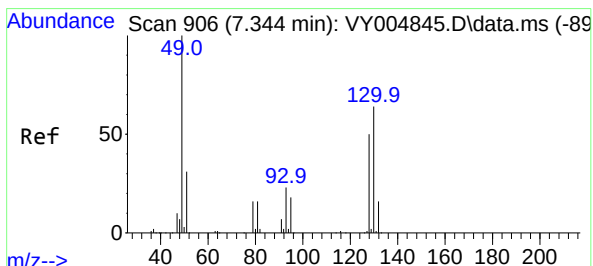
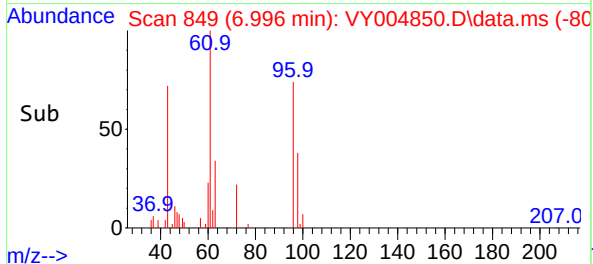
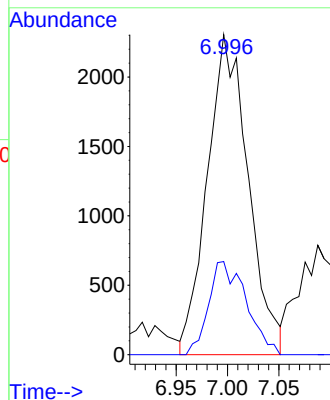
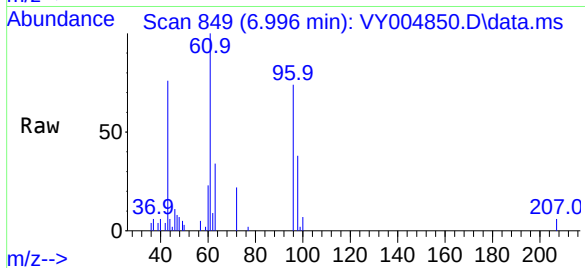
Acq: 19 May 2021 15:00

Tgt Ion: 43 Resp: 6366

Ion Ratio Lower Upper

43 100

72 15.6 12.2 36.6



#23

Bromochloromethane

Concen: 1.39 ug/L

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY004850.D

Acq: 19 May 2021 15:00

Tgt Ion: 128 Resp: 3039

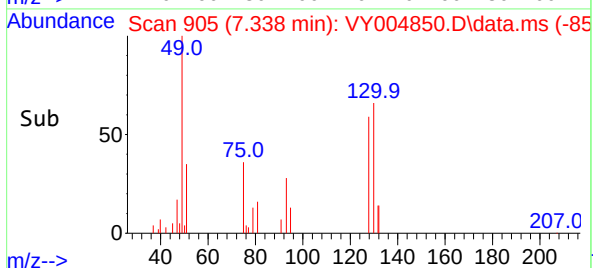
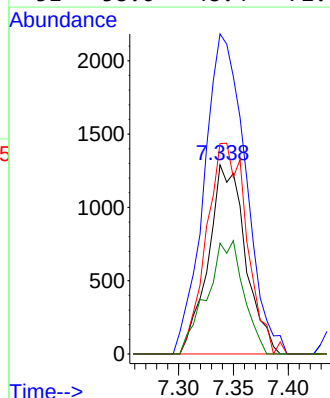
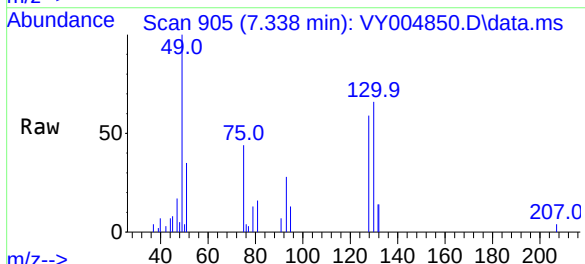
Ion Ratio Lower Upper

128 100

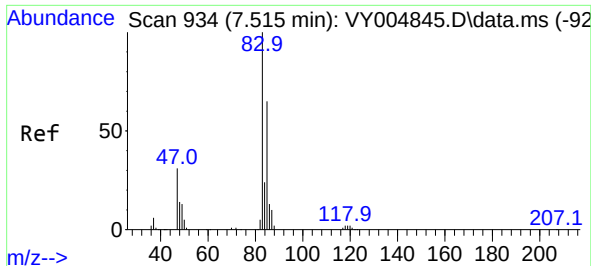
49 169.2 138.9 258.1

130 111.2 88.3 164.1

51 58.6 48.4 72.6



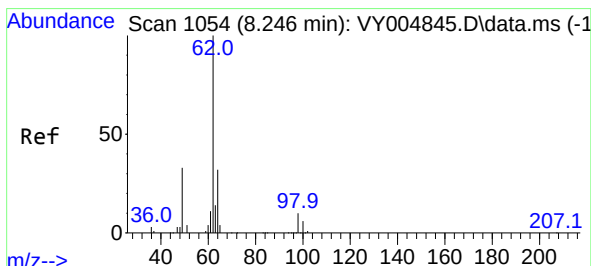
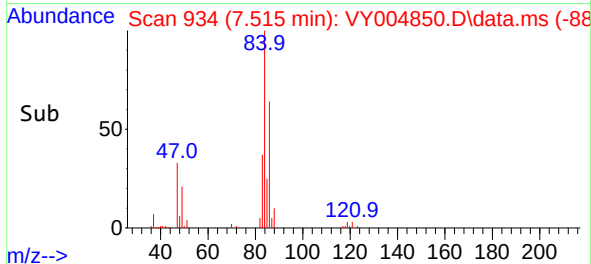
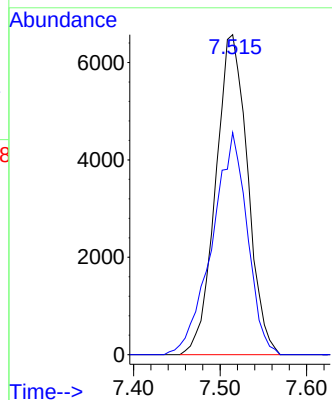
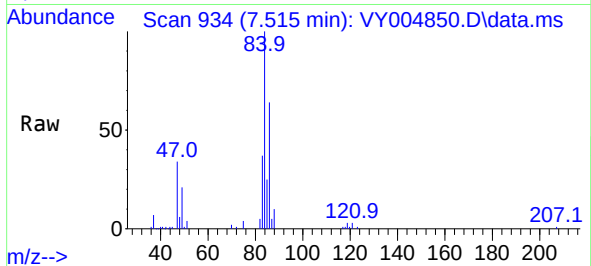
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05



#25
Chloroform
Concen: 2.00 ug/L
RT: 7.515 min Scan# 934
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

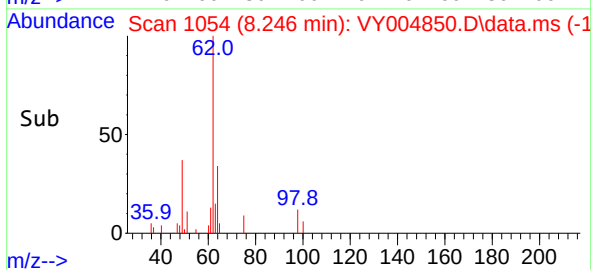
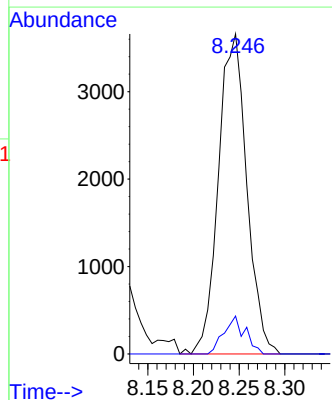
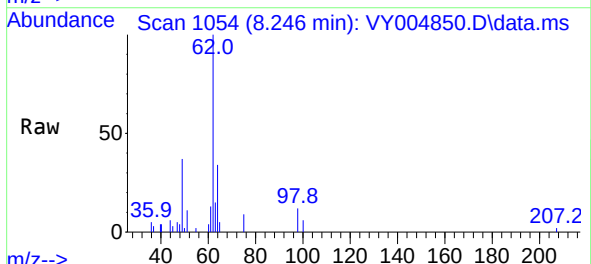
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

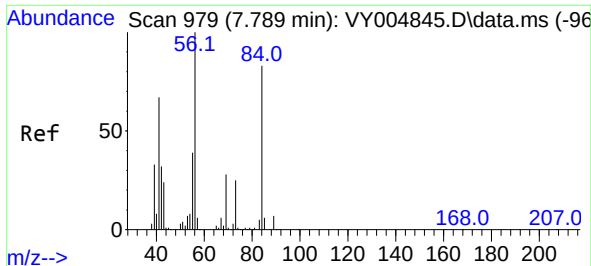
Tgt Ion: 83 Resp: 16863
Ion Ratio Lower Upper
83 100
85 69.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 1.36 ug/L
RT: 8.246 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 62 Resp: 7907
Ion Ratio Lower Upper
62 100
98 11.9 7.5 11.3#





#29

Cyclohexane

Concen: 1.27 ug/L

RT: 7.789 min Scan# 979

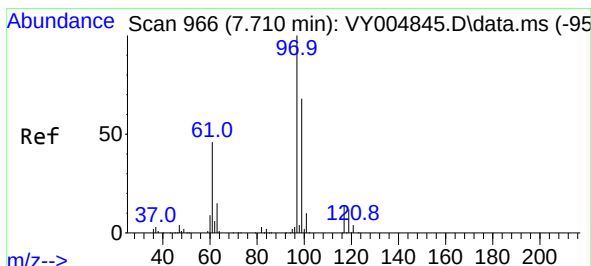
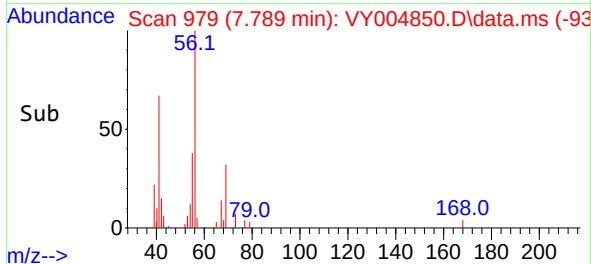
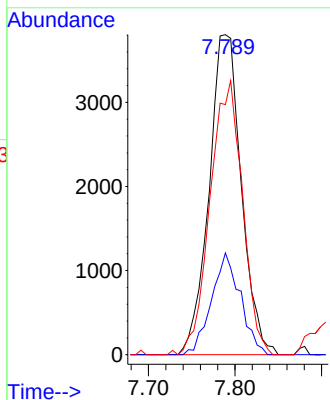
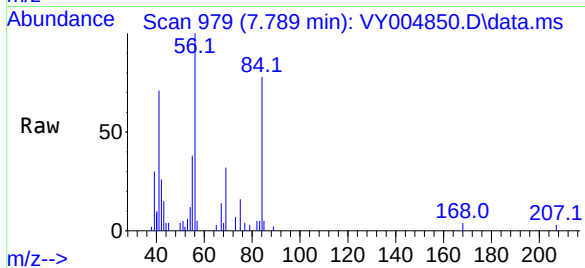
Delta R.T. 0.000 min

Lab File: VY004850.D

Acq: 19 May 2021 15:00

Tgt Ion:	56	Resp:	9849
Ion	Ratio	Lower	Upper
56	100		
69	28.5	22.6	33.8
84	85.7	66.1	99.1

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05



#30

1,1,1-Trichloroethane

Concen: 1.30 ug/L

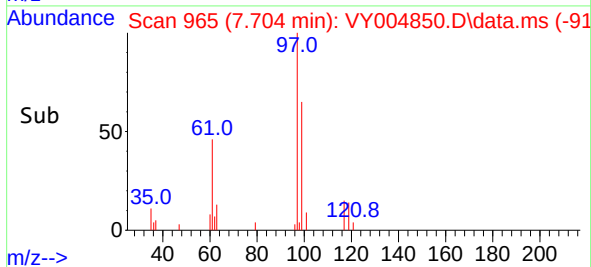
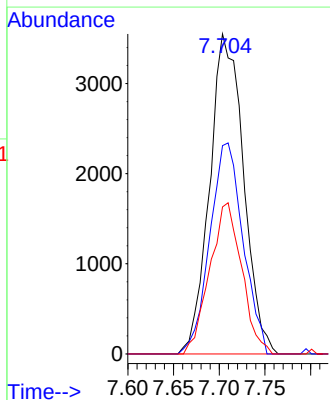
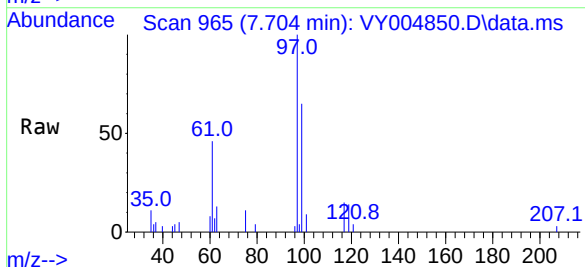
RT: 7.704 min Scan# 965

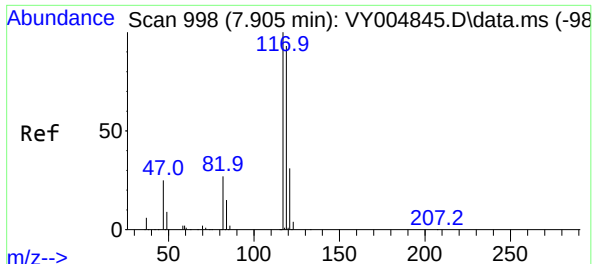
Delta R.T. -0.006 min

Lab File: VY004850.D

Acq: 19 May 2021 15:00

Tgt Ion:	97	Resp:	9147
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.6
61	44.7	37.3	55.9

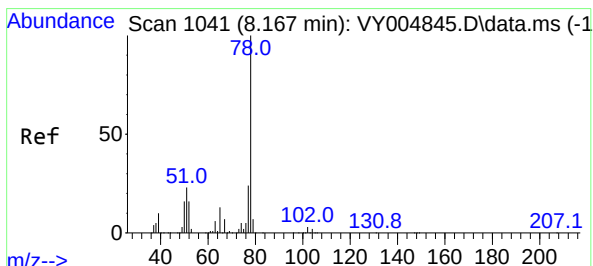
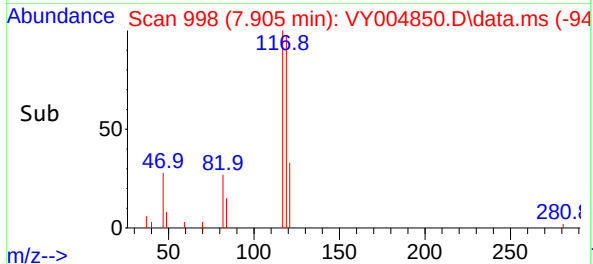
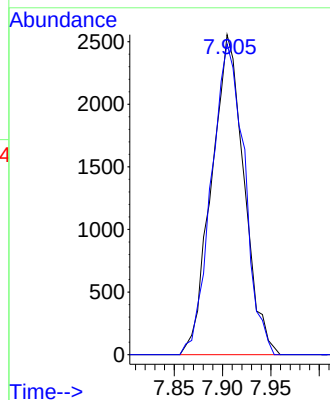
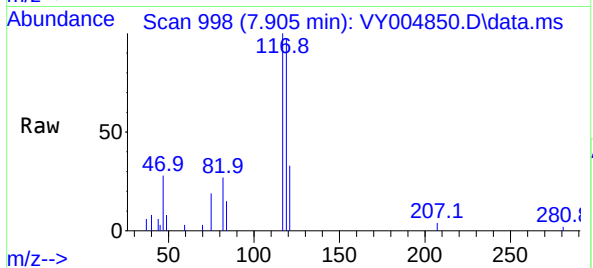




#31
Carbon tetrachloride
Concen: 1.07 ug/L
RT: 7.905 min Scan# 998
Delta R.T. 0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

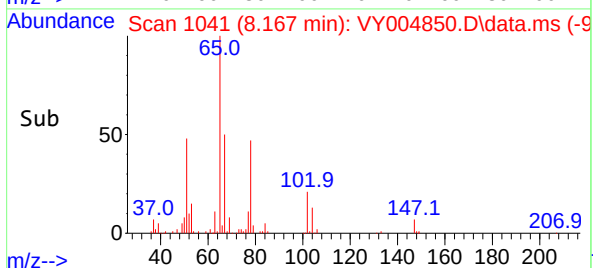
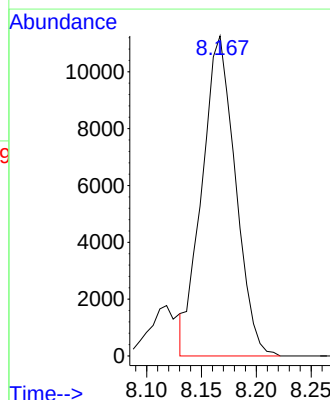
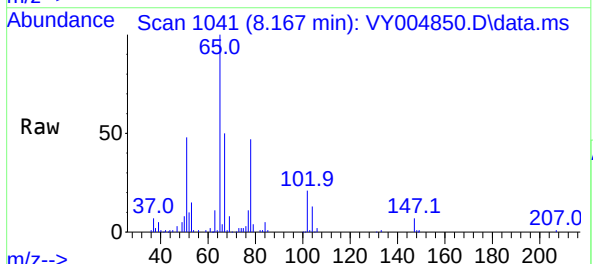
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

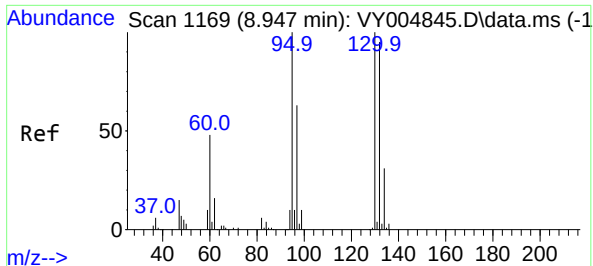
Tgt Ion:117 Resp: 5958
Ion Ratio Lower Upper
117 100
119 98.9 76.2 114.2



#33
Benzene
Concen: 1.29 ug/L
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 78 Resp: 23838



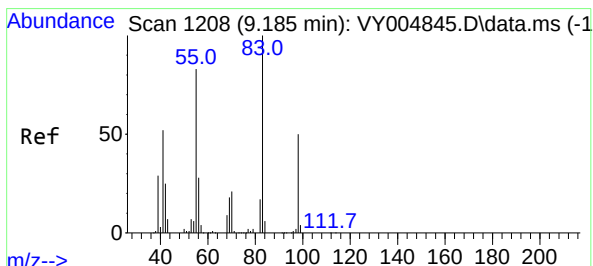
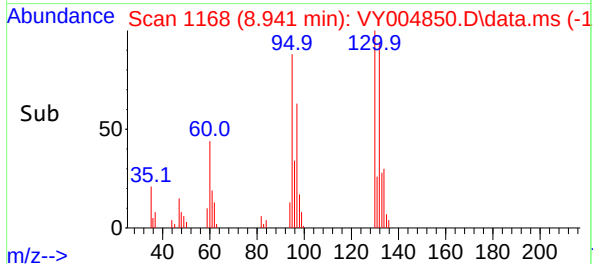
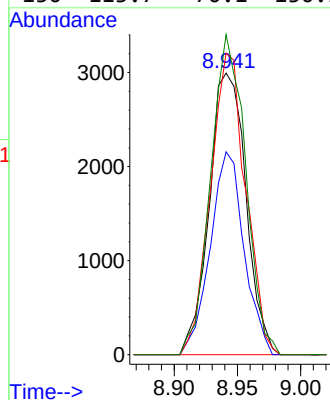
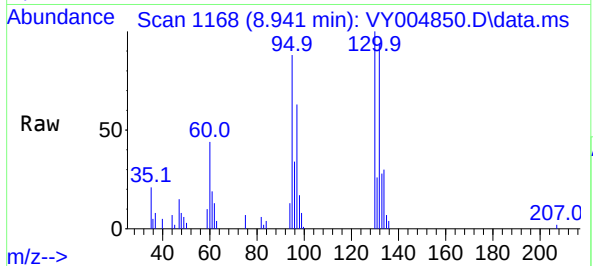


#34
Trichloroethene
Concen: 1.30 ug/L
RT: 8.941 min Scan# 1168
Delta R.T. -0.006 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

Tgt Ion: 95 Resp: 6044

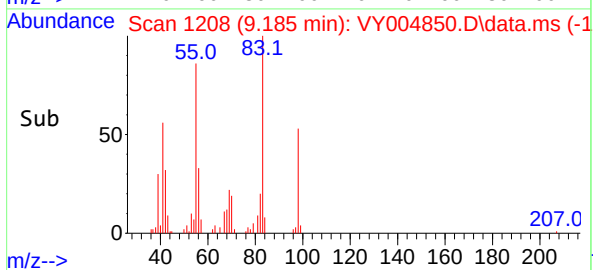
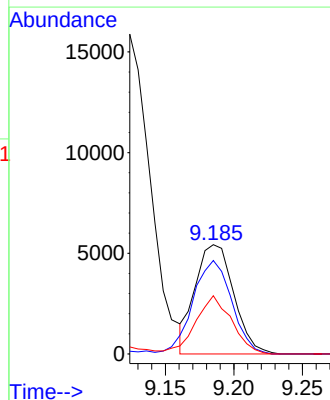
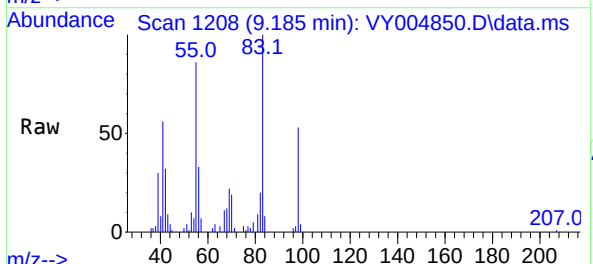
Ion	Ratio	Lower	Upper
95	100		
97	72.1	44.2	82.2
132	107.1	66.8	124.0
130	113.7	70.1	130.1

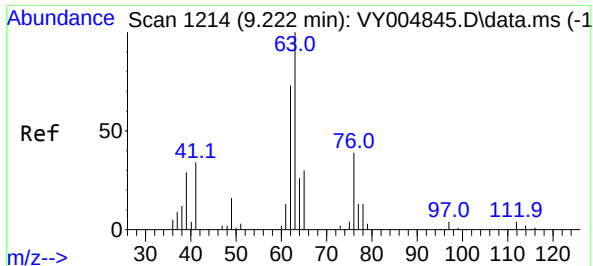


#35
Methylcyclohexane
Concen: 1.36 ug/L
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 83 Resp: 10625

Ion	Ratio	Lower	Upper
83	100		
55	86.3	63.9	95.9
98	49.8	38.7	58.1

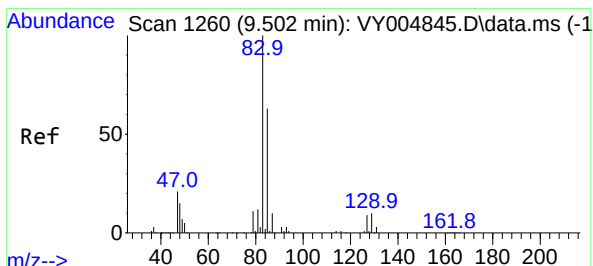
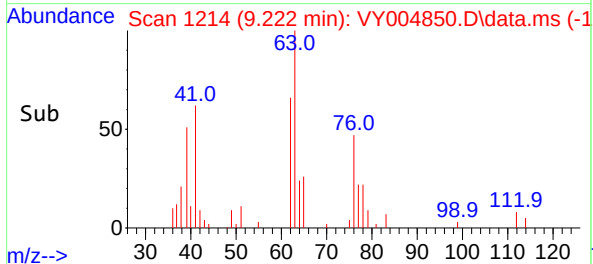
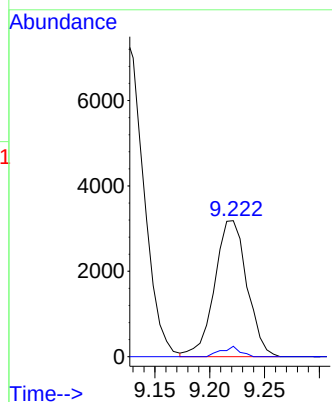
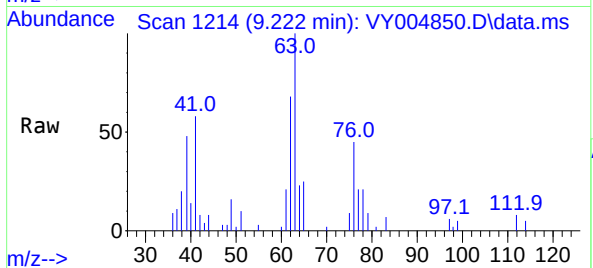




#37
1,2-Dichloropropane
Concen: 1.33 ug/L
RT: 9.222 min Scan# 1214
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

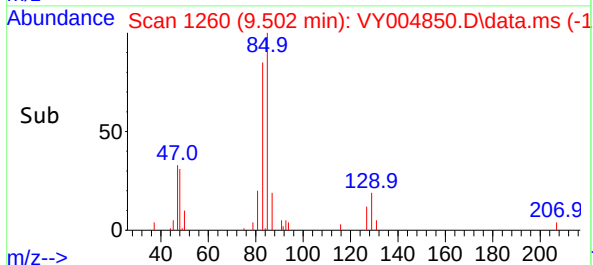
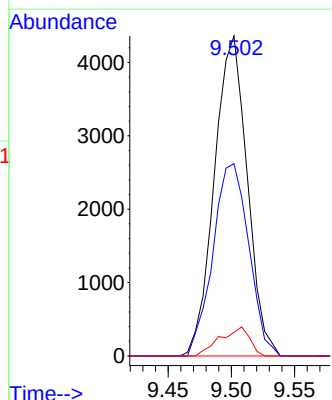
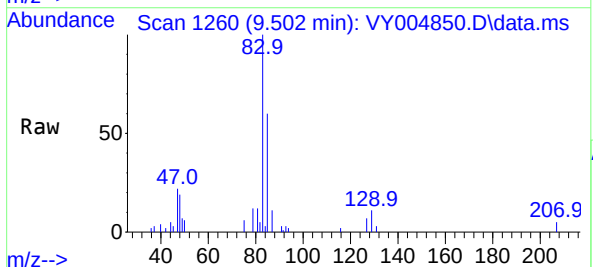
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

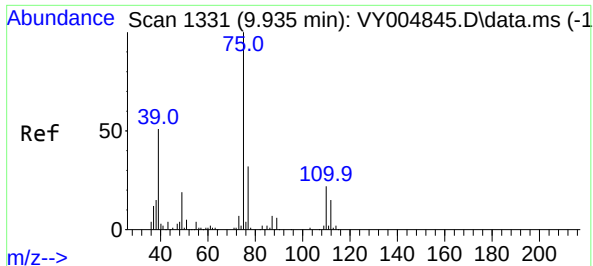
Tgt Ion: 63 Resp: 6548
Ion Ratio Lower Upper
63 100
112 4.4 3.1 4.7



#38
Bromodichloromethane
Concen: 1.30 ug/L
RT: 9.502 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 83 Resp: 7888
Ion Ratio Lower Upper
83 100
85 60.1 44.1 81.9
127 7.4 6.9 10.3

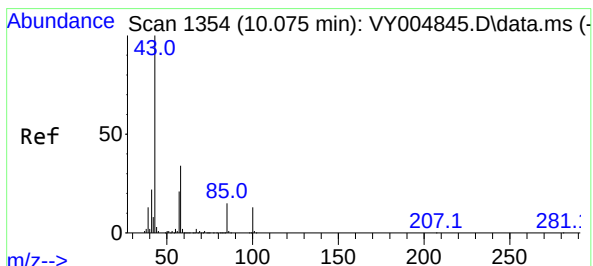
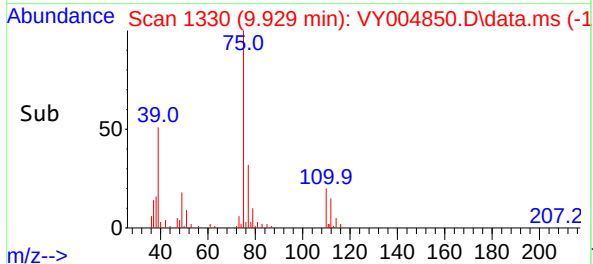
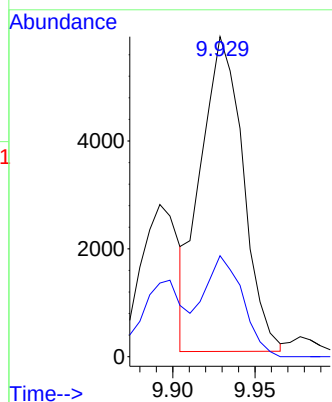
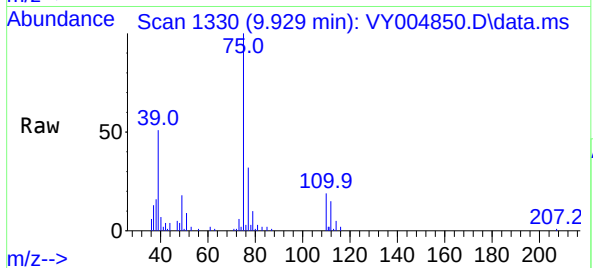




#39
cis-1,3-Dichloropropene
Concen: 1.37 ug/L
RT: 9.929 min Scan# 1330
Delta R.T. -0.006 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

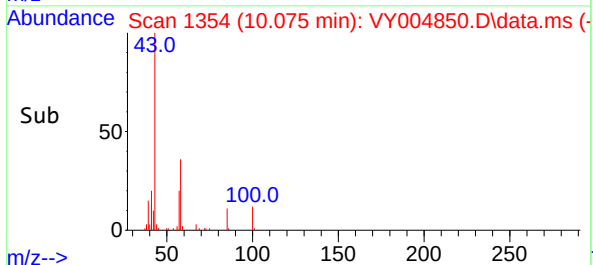
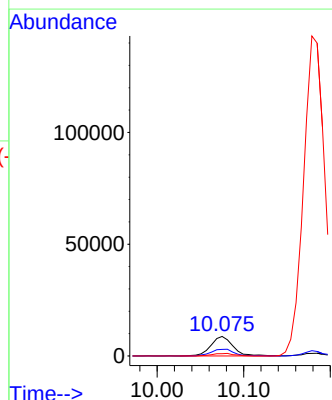
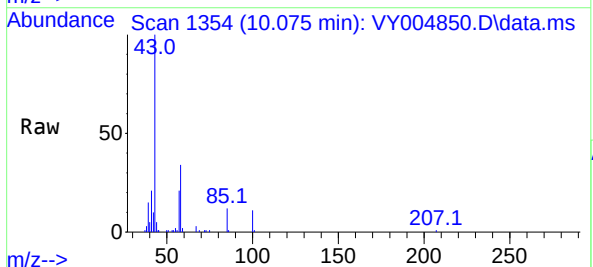
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

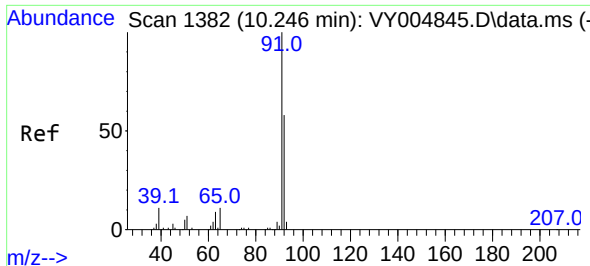
Tgt Ion: 75 Resp: 10444
Ion Ratio Lower Upper
75 100
77 31.6 22.3 41.3



#40
4-Methyl-2-pentanone
Concen: 2.96 ug/L
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 43 Resp: 15533
Ion Ratio Lower Upper
43 100
58 36.0 28.5 42.7
100 12.9 10.4 15.6

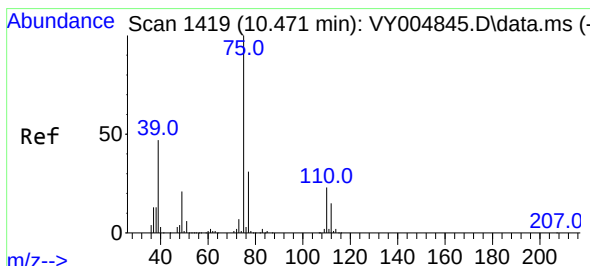
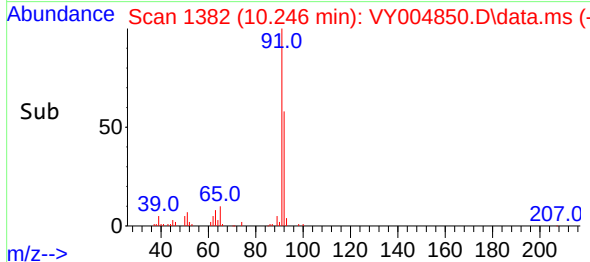
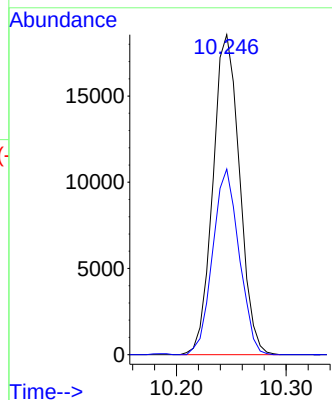
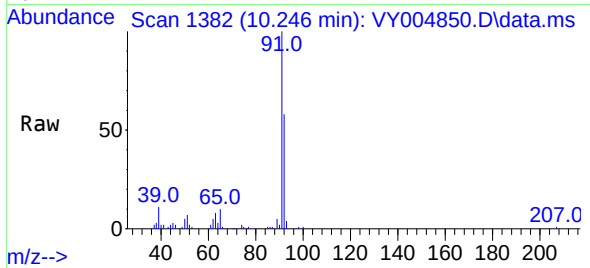




#42
Toluene
Concen: 1.61 ug/L
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

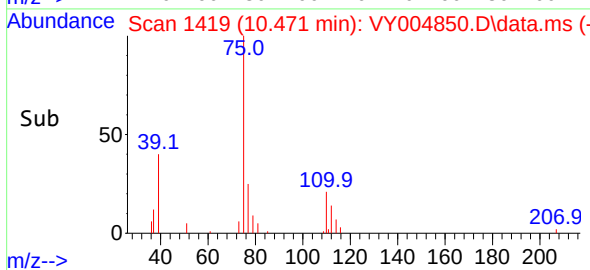
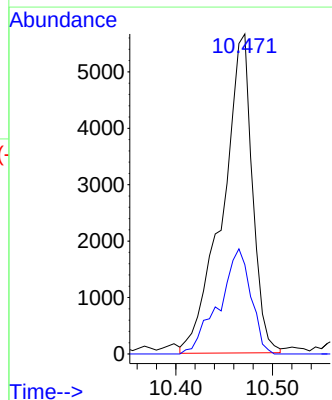
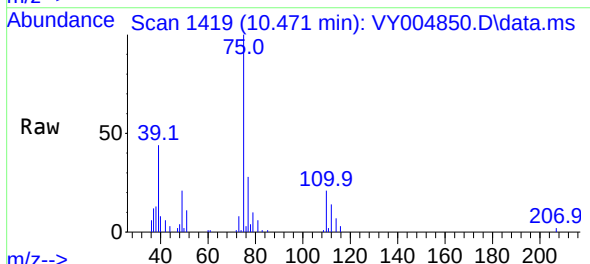
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

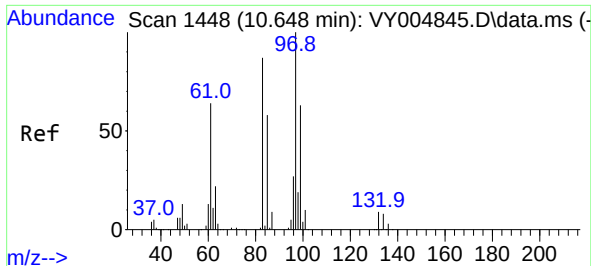
Tgt Ion: 91 Resp: 31347
Ion Ratio Lower Upper
91 100
92 58.0 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 1.71 ug/L
RT: 10.471 min Scan# 1419
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 75 Resp: 12147
Ion Ratio Lower Upper
75 100
77 27.9 21.8 40.4

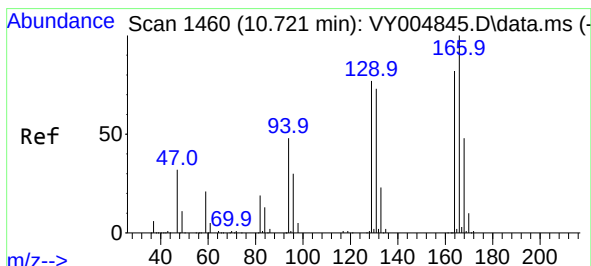
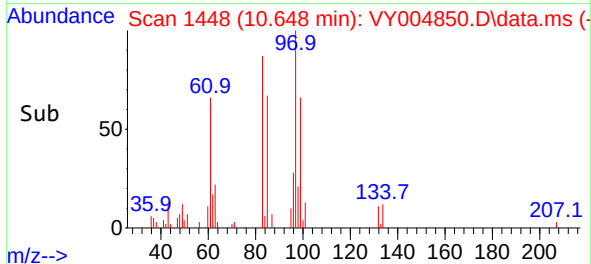
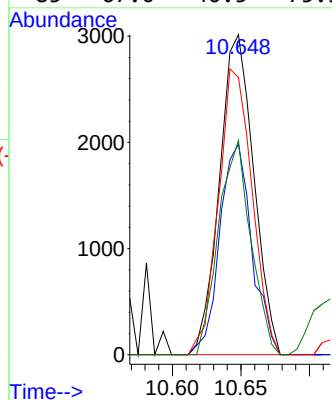
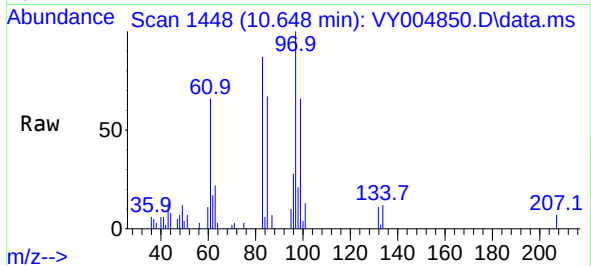




#45
1,1,2-Trichloroethane
Concen: 1.37 ug/L
RT: 10.648 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

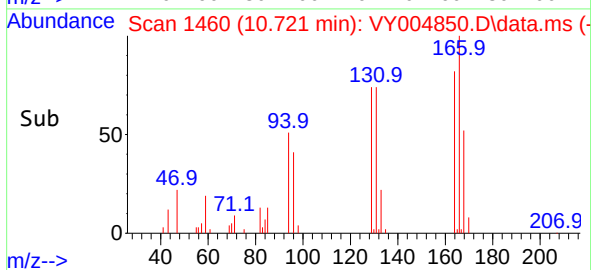
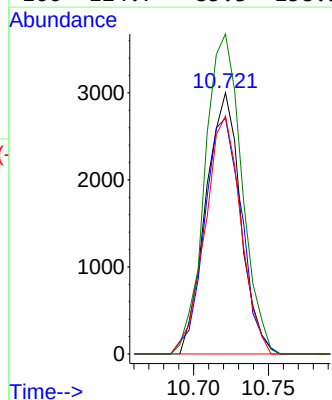
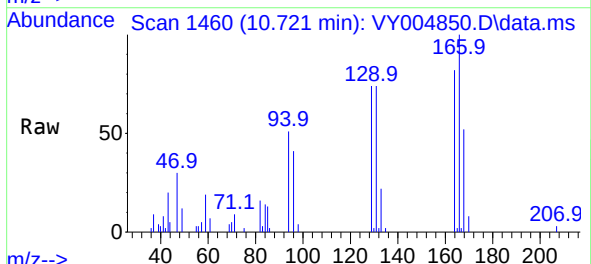
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

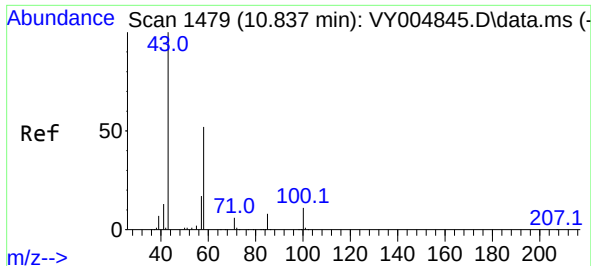
Tgt Ion:	97	Resp:	5257
Ion	Ratio	Lower	Upper
97	100		
99	65.8	44.2	82.0
83	86.6	61.1	113.5
85	67.0	40.5	75.3



#46
Tetrachloroethene
Concen: 1.38 ug/L
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

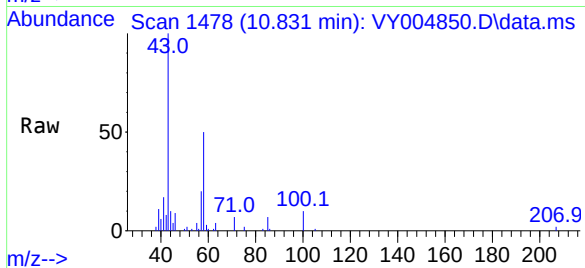
Tgt Ion:	164	Resp:	4858
Ion	Ratio	Lower	Upper
164	100		
129	90.3	65.9	122.3
131	91.1	61.9	115.1
166	124.7	85.3	158.3





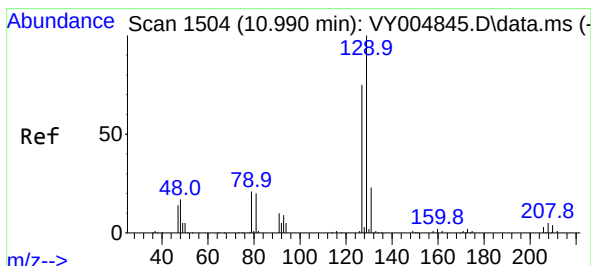
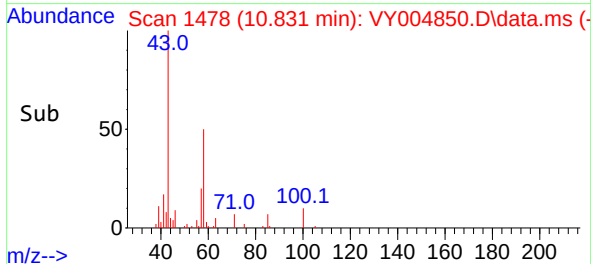
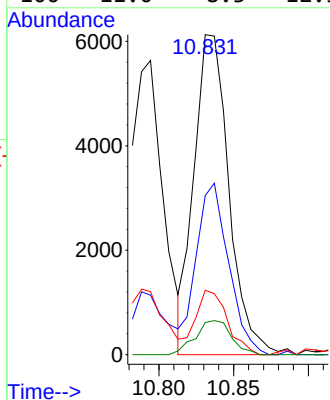
#48
2-Hexanone
Concen: 2.81 ug/L
RT: 10.831 min Scan# 1478
Delta R.T. -0.006 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05



Tgt Ion: 43 Resp: 9944

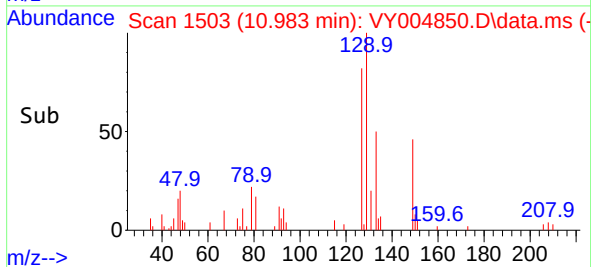
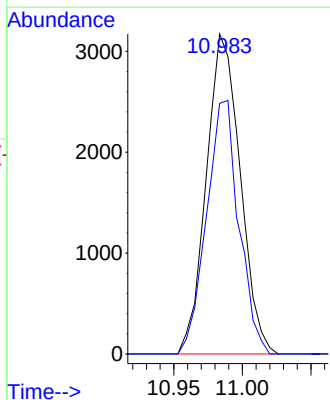
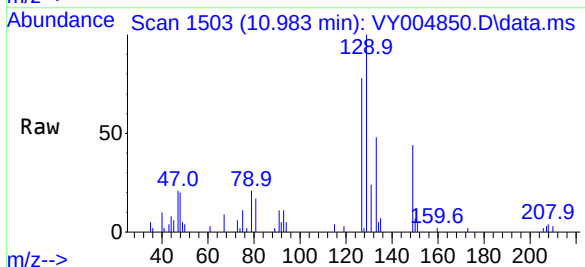
Ion	Ratio	Lower	Upper
43	100		
58	49.8	41.1	61.7
57	18.6	13.8	20.6
100	11.0	8.3	12.5

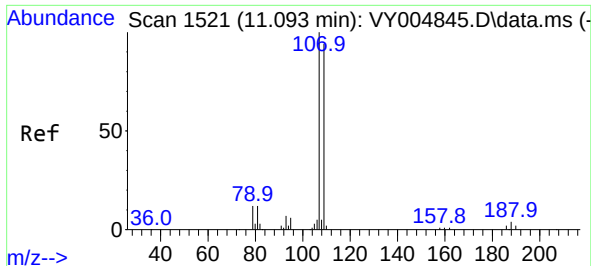


#49
Dibromochloromethane
Concen: 1.27 ug/L
RT: 10.983 min Scan# 1503
Delta R.T. -0.006 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 129 Resp: 5462

Ion	Ratio	Lower	Upper
129	100		
127	78.3	52.8	98.0

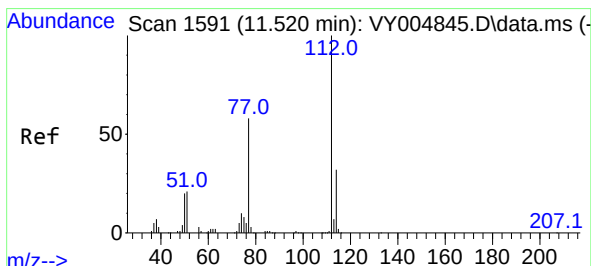
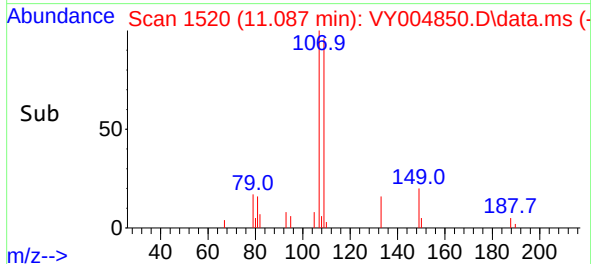
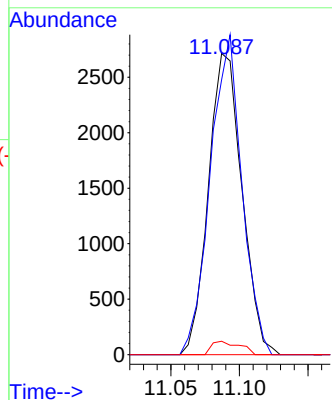
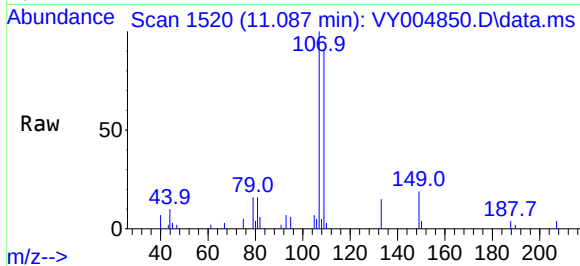




#50
1,2-Dibromoethane
Concen: 1.25 ug/L
RT: 11.087 min Scan# 1520
Delta R.T. -0.006 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

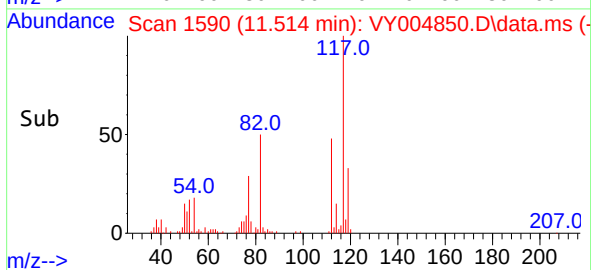
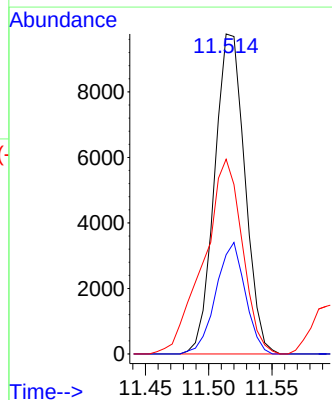
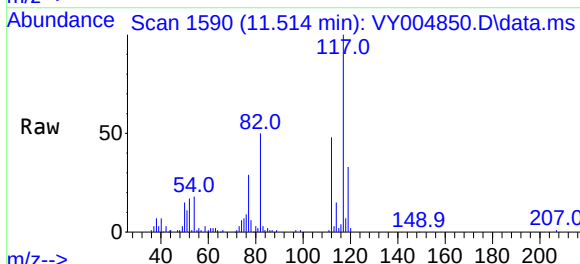
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

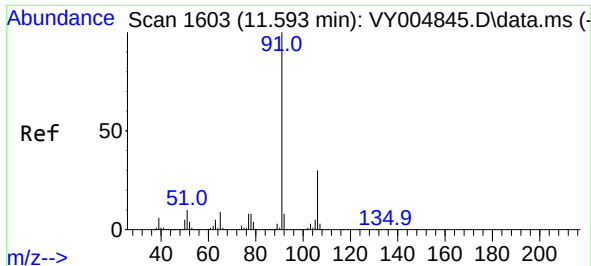
Tgt Ion:	107	Resp:	4626
Ion	Ratio	Lower	Upper
107	100		
109	91.3	65.7	121.9
188	4.5	2.8	4.2#



#51
Chlorobenzene
Concen: 1.35 ug/L
RT: 11.514 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion:	112	Resp:	16283
Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.3	41.5
77	60.9	46.5	69.7

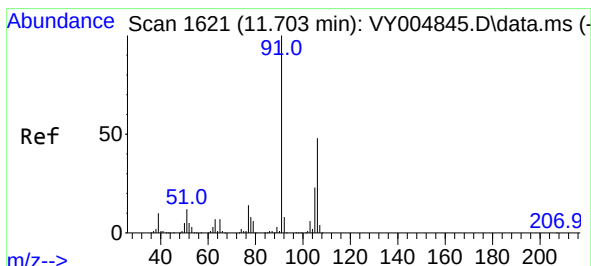
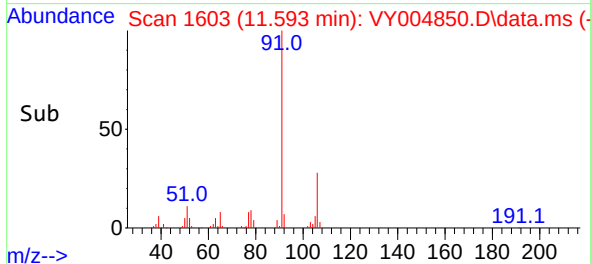
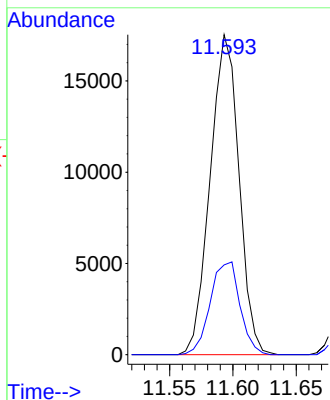
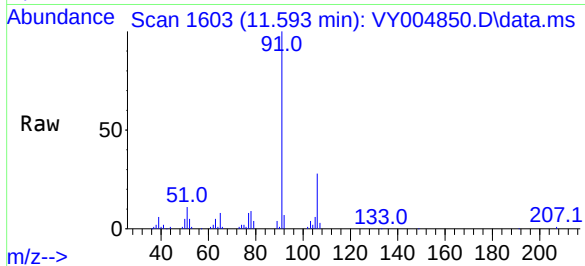




#52
Ethylbenzene
Concen: 1.32 ug/L
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

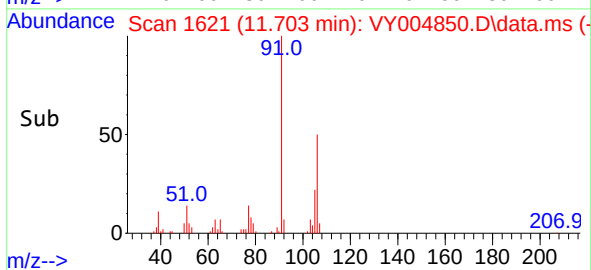
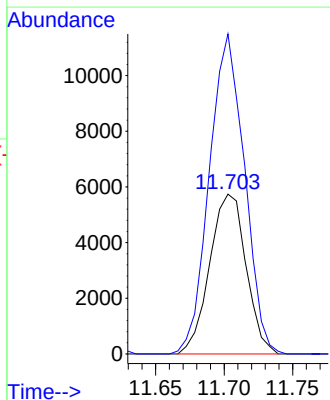
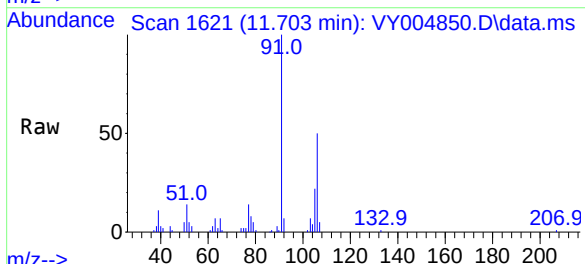
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

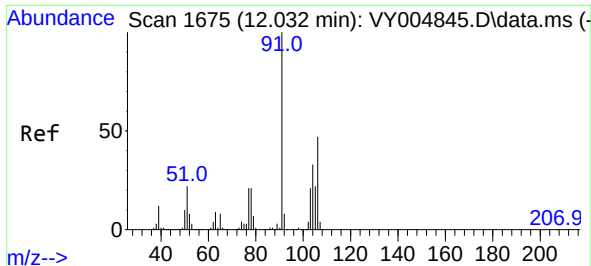
Tgt Ion: 91 Resp: 27799
Ion Ratio Lower Upper
91 100
106 28.1 21.2 39.4



#53
m,p-Xylene
Concen: 1.36 ug/L
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 106 Resp: 10604
Ion Ratio Lower Upper
106 100
91 200.2 145.7 270.5

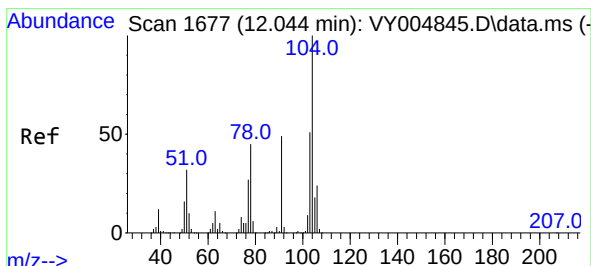
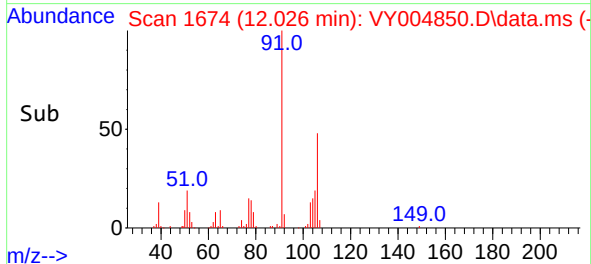
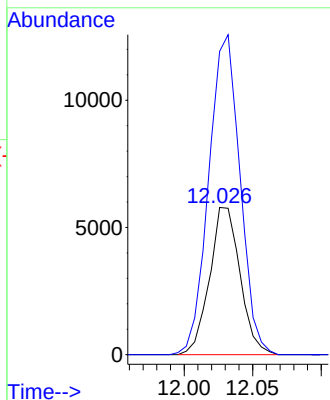
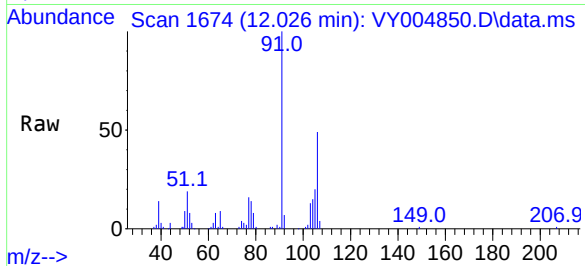




#54
o-Xylene
Concen: 1.21 ug/L
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

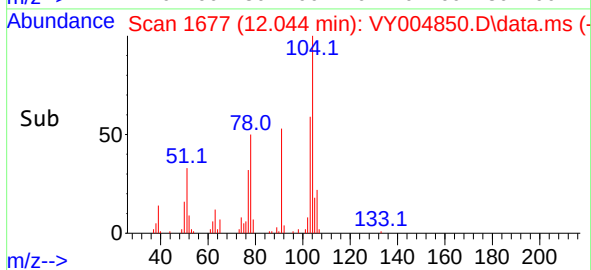
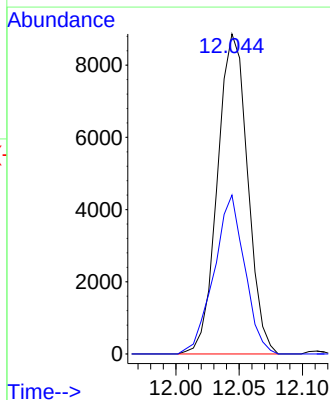
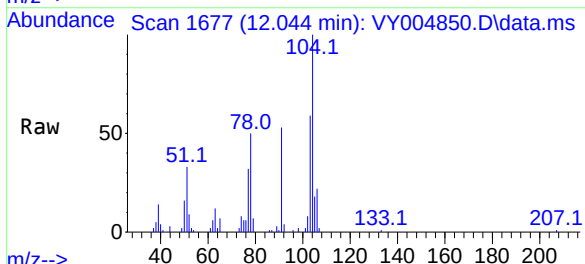
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

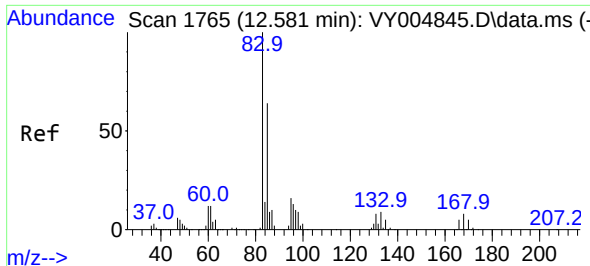
Tgt Ion:106 Resp: 8975
Ion Ratio Lower Upper
106 100
91 206.0 150.6 279.6



#55
Styrene
Concen: 1.15 ug/L
RT: 12.044 min Scan# 1677
Delta R.T. 0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

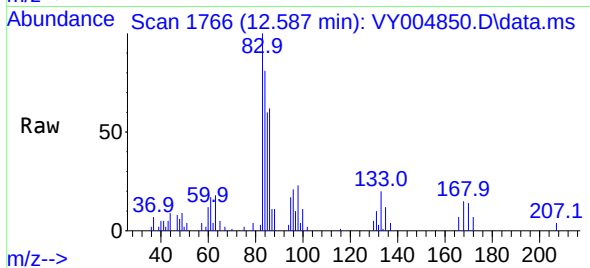
Tgt Ion:104 Resp: 14683
Ion Ratio Lower Upper
104 100
78 49.6 31.8 59.0





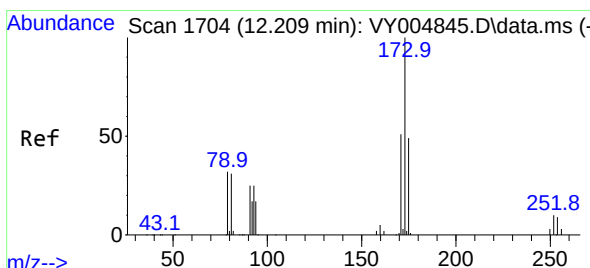
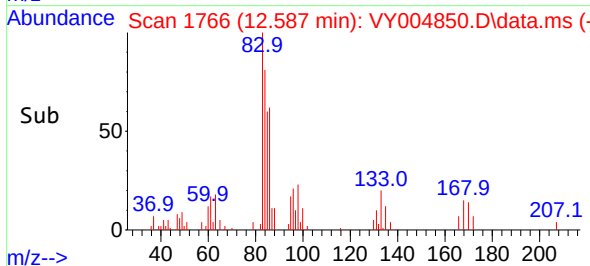
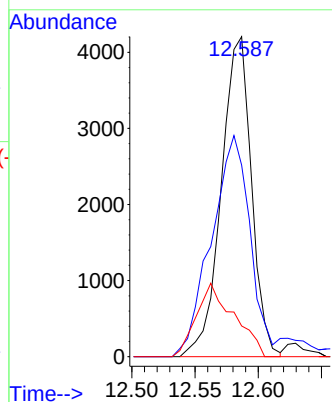
#57
1,1,2,2-Tetrachloroethane
Concen: 1.50 ug/L
RT: 12.587 min Scan# 1766
Delta R.T. 0.006 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05



Tgt Ion: 83 Resp: 6981

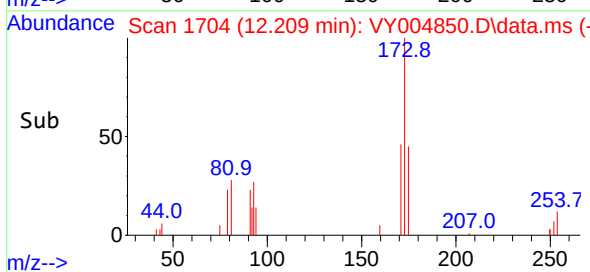
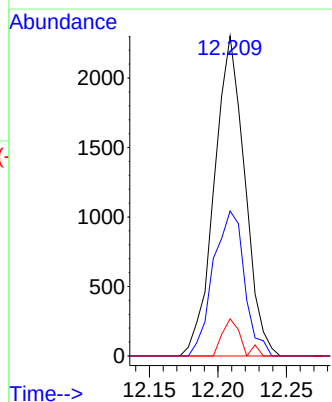
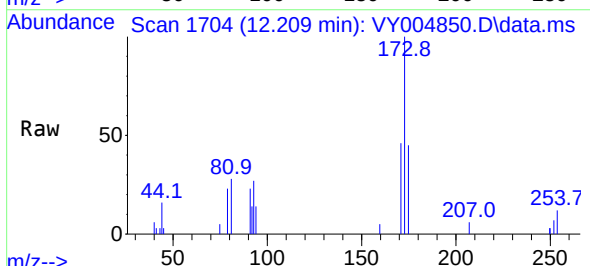
Ion	Ratio	Lower	Upper
83	100		
85	59.9	45.0	83.6
131	9.6	6.9	10.3

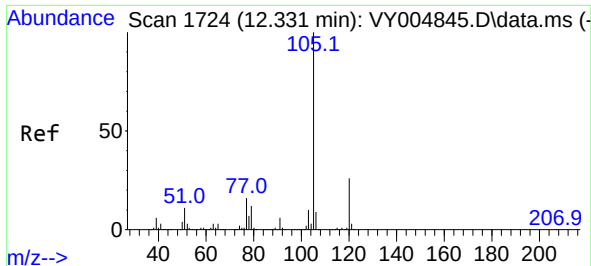


#59
Bromoform
Concen: 1.34 ug/L
RT: 12.209 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion: 173 Resp: 3564

Ion	Ratio	Lower	Upper
173	100		
175	46.4	38.8	58.2
254	6.3	7.3	10.9#

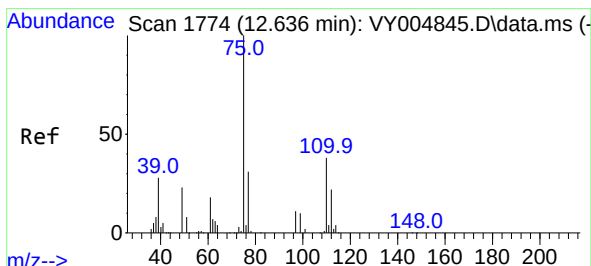
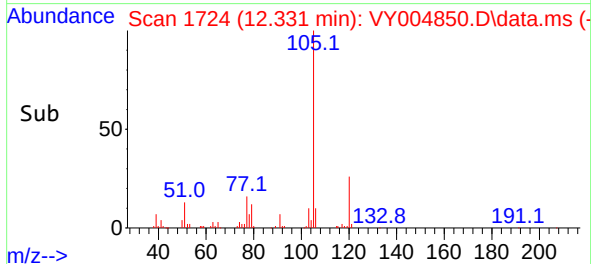
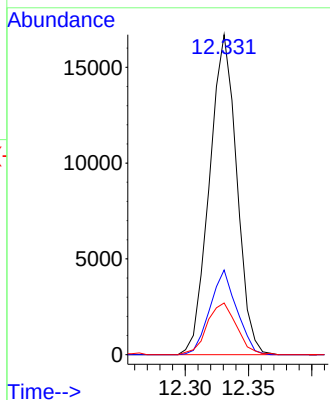
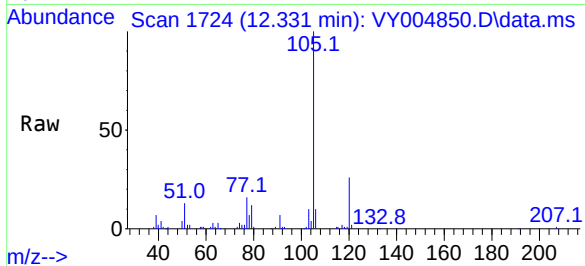




#60
Isopropylbenzene
Concen: 1.28 ug/L
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

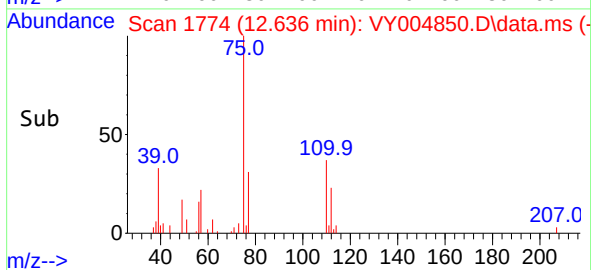
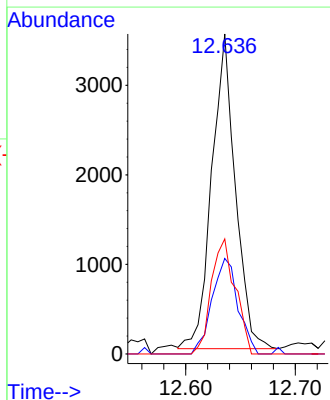
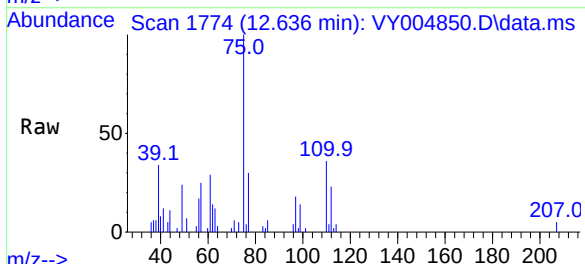
Instrument :
MSVOA_Y
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MDL-SOIL-QT3-2021-05

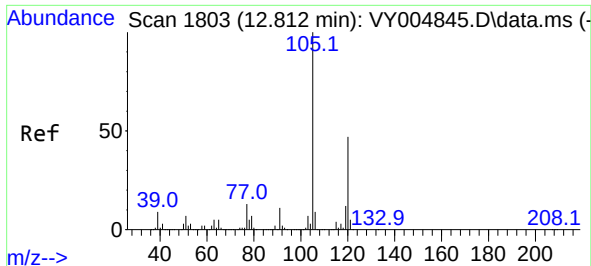
Tgt Ion:	105	Resp:	25078
Ion Ratio	Lower	Upper	
105	100		
120	26.0	21.0	31.6
77	17.5	12.7	19.1



#61
1,2,3-Trichloropropane
Concen: 1.39 ug/L
RT: 12.636 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion:	75	Resp:	5265
Ion Ratio	Lower	Upper	
75	100		
77	33.3	25.7	38.5
110	37.0	30.8	46.2

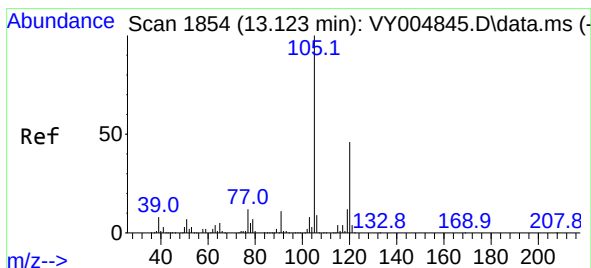
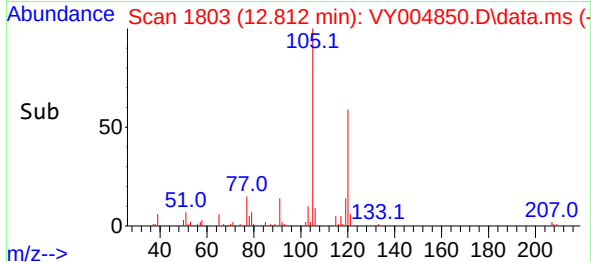
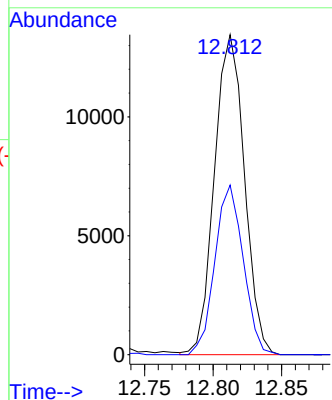
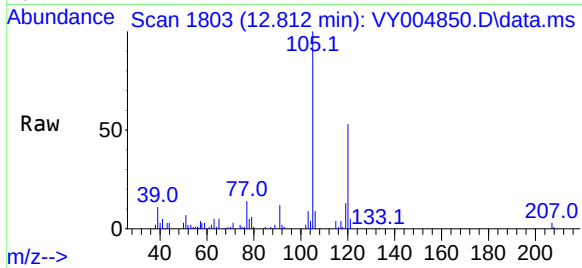




#62
1,3,5-Trimethylbenzene
Concen: 1.30 ug/L
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

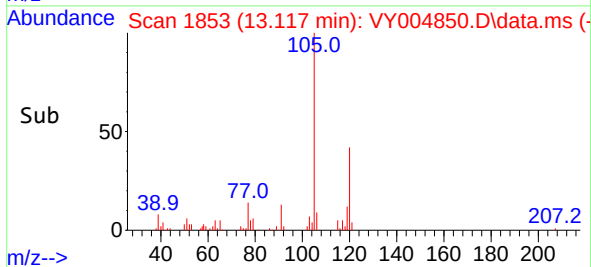
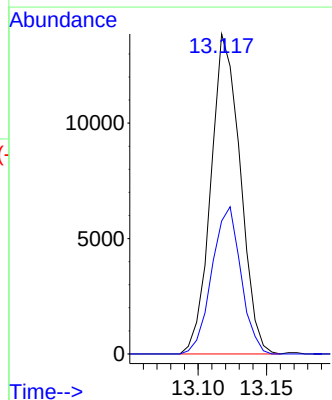
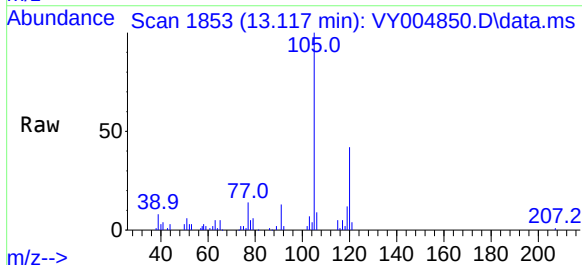
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

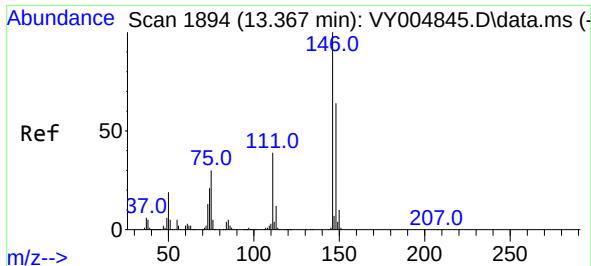
Tgt Ion:105 Resp: 20507
Ion Ratio Lower Upper
105 100
120 50.0 38.3 57.5



#63
1,2,4-Trimethylbenzene
Concen: 1.31 ug/L
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion:105 Resp: 20648
Ion Ratio Lower Upper
105 100
120 45.5 36.2 54.4

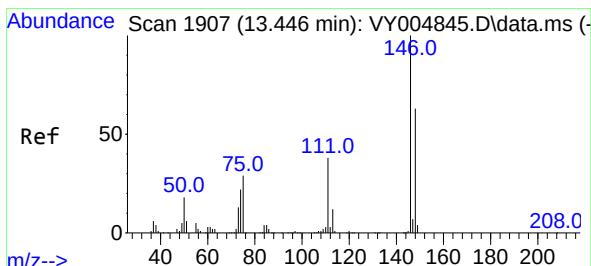
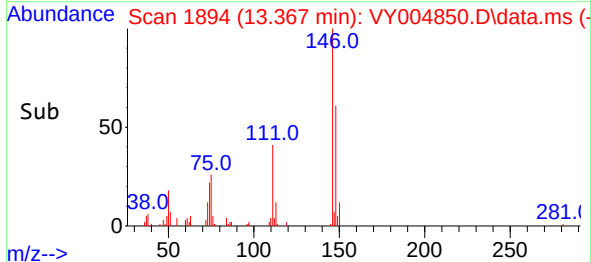
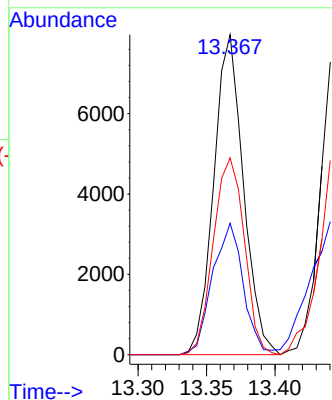
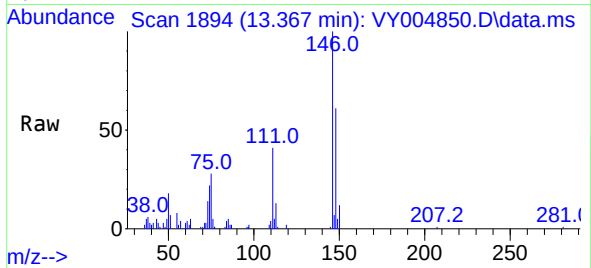




#64
1,3-Dichlorobenzene
Concen: 1.43 ug/L
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

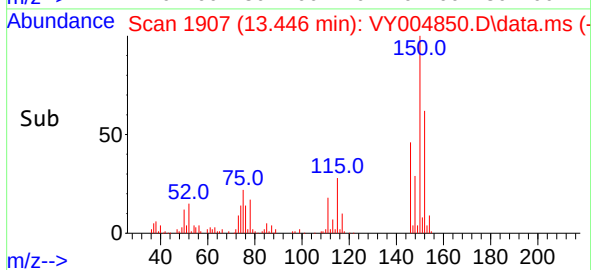
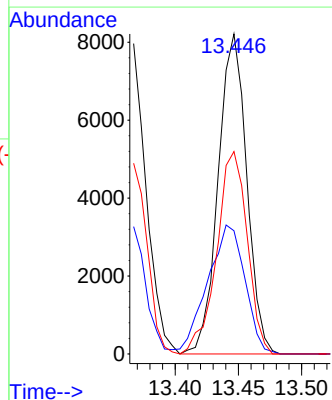
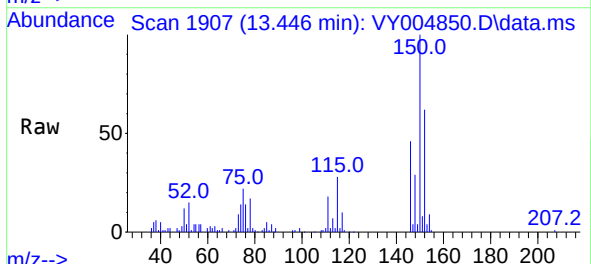
Instrument :
MSVOA_Y
ClientSampleId :
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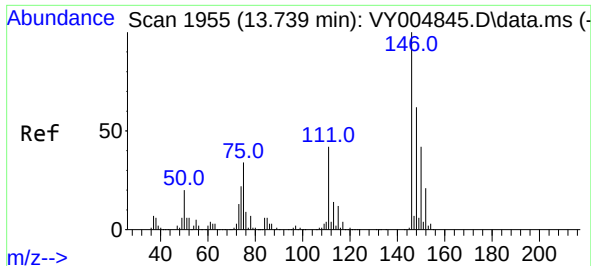
Tgt Ion:	146	Resp:	11984
Ion	Ratio	Lower	Upper
146	100		
111	41.0	27.4	51.0
148	61.5	45.1	83.7



#65
1,4-Dichlorobenzene
Concen: 1.52 ug/L
RT: 13.446 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion:	146	Resp:	12882
Ion	Ratio	Lower	Upper
146	100		
111	38.5	26.4	49.0
148	63.3	44.3	82.3

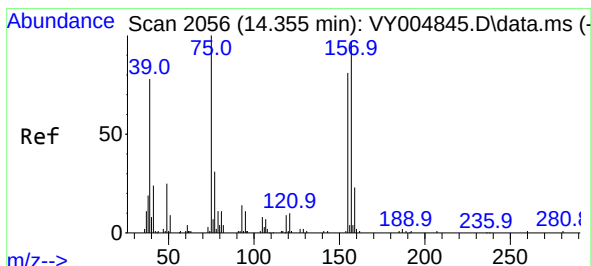
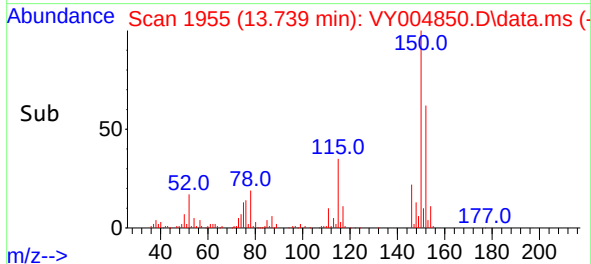
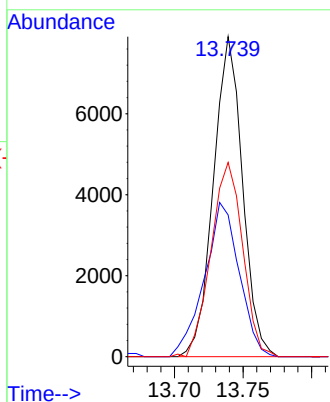
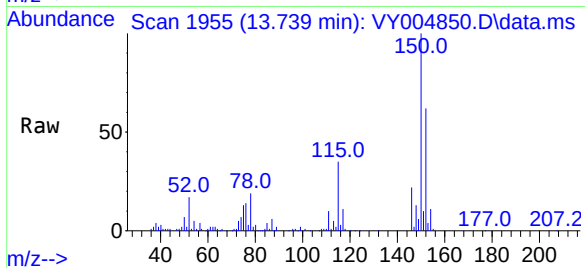




#67
1,2-Dichlorobenzene
Concen: 1.51 ug/L
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

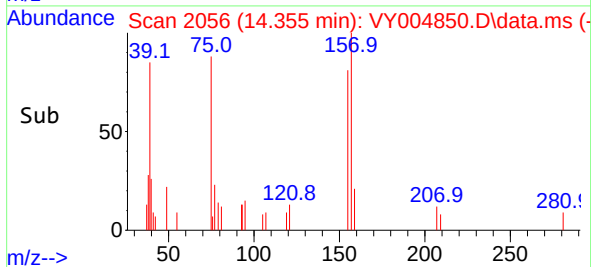
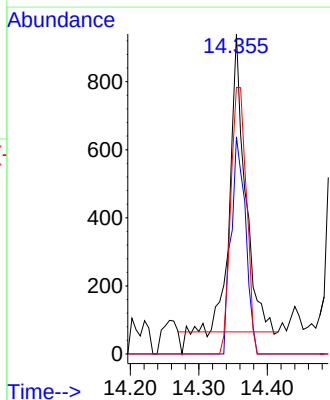
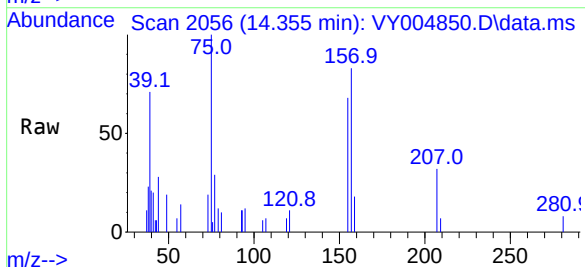
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

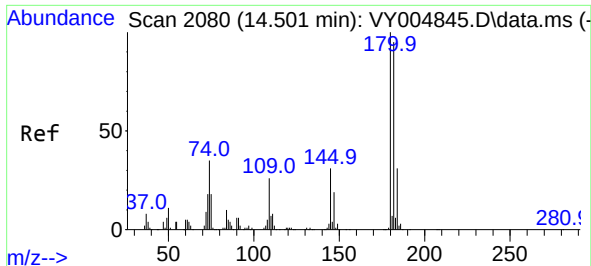
Tgt Ion:	146	Resp:	11669
Ion	Ratio	Lower	Upper
146	100		
111	44.3	33.9	50.9
148	60.7	49.7	74.5



#68
1,2-Dibromo-3-chloropropane
Concen: 1.56 ug/L
RT: 14.355 min Scan# 2056
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion:	75	Resp:	1343
Ion	Ratio	Lower	Upper
75	100		
155	67.9	64.5	96.7
157	83.3	77.4	116.2

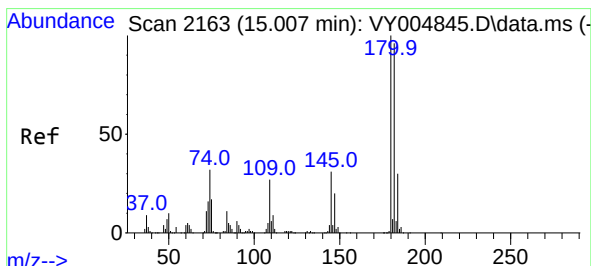
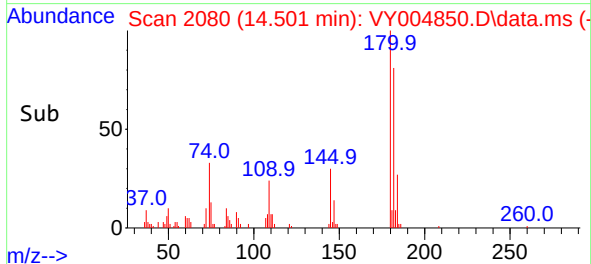
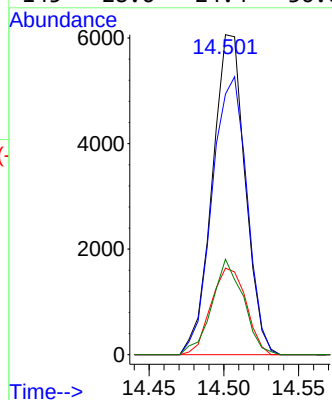
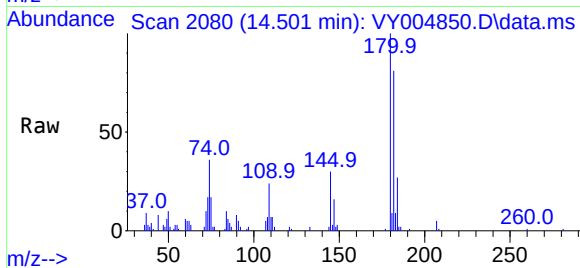




#69
1,3,5-Trichlorobenzene
Concen: 1.65 ug/L
RT: 14.501 min Scan# 2080
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

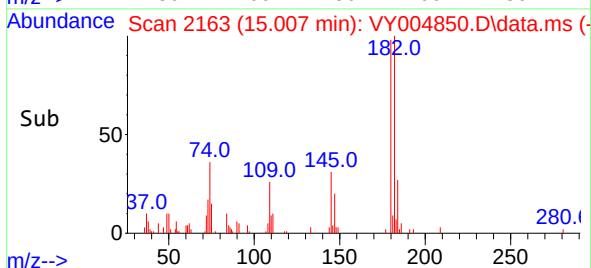
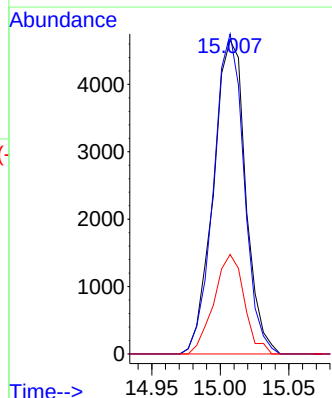
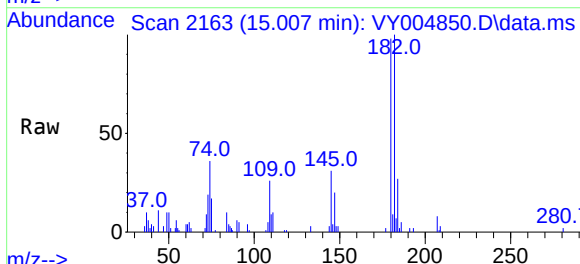
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

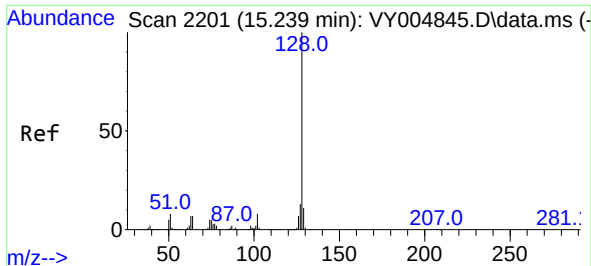
Tgt Ion:	180	Resp:	9283
Ion Ratio	Lower	Upper	
180	100		
182	91.8	76.1	114.1
184	28.8	24.6	36.8
145	28.6	24.4	36.6



#70
1,2,4-trichlorobenzene
Concen: 1.62 ug/L
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion:	180	Resp:	7617
Ion Ratio	Lower	Upper	
180	100		
182	96.2	76.4	114.6
145	29.7	25.0	37.6

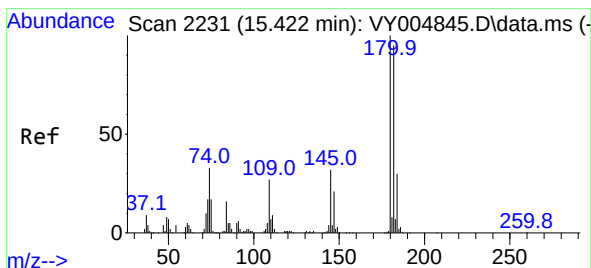
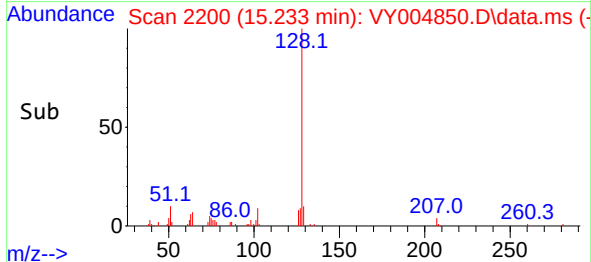
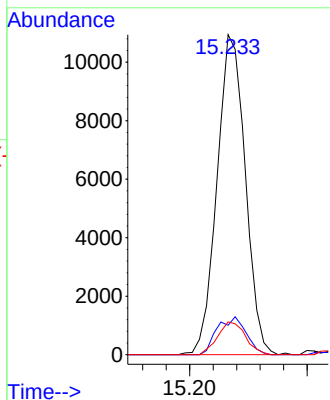
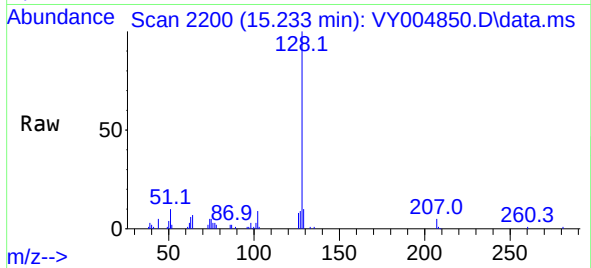




#71
Naphthalene
Concen: 1.54 ug/L
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-QT3-2021-05

Tgt Ion:	128	Resp:	18275
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.3	15.5
129	10.1	8.9	13.3



#72
1,2,3-Trichlorobenzene
Concen: 1.65 ug/L
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY004850.D
Acq: 19 May 2021 15:00

Tgt Ion:	180	Resp:	7068
Ion	Ratio	Lower	Upper
180	100		
182	92.6	76.2	114.2
145	31.5	25.8	38.8

