

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031022\
 Data File : VY007832.D
 Acq On : 10 Mar 2022 17:56
 Operator : SY/MD
 Sample : N1763-13
 Misc : 5.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 11-12-SAMPLE-LOCATION-6

Quant Time: Mar 10 23:58:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

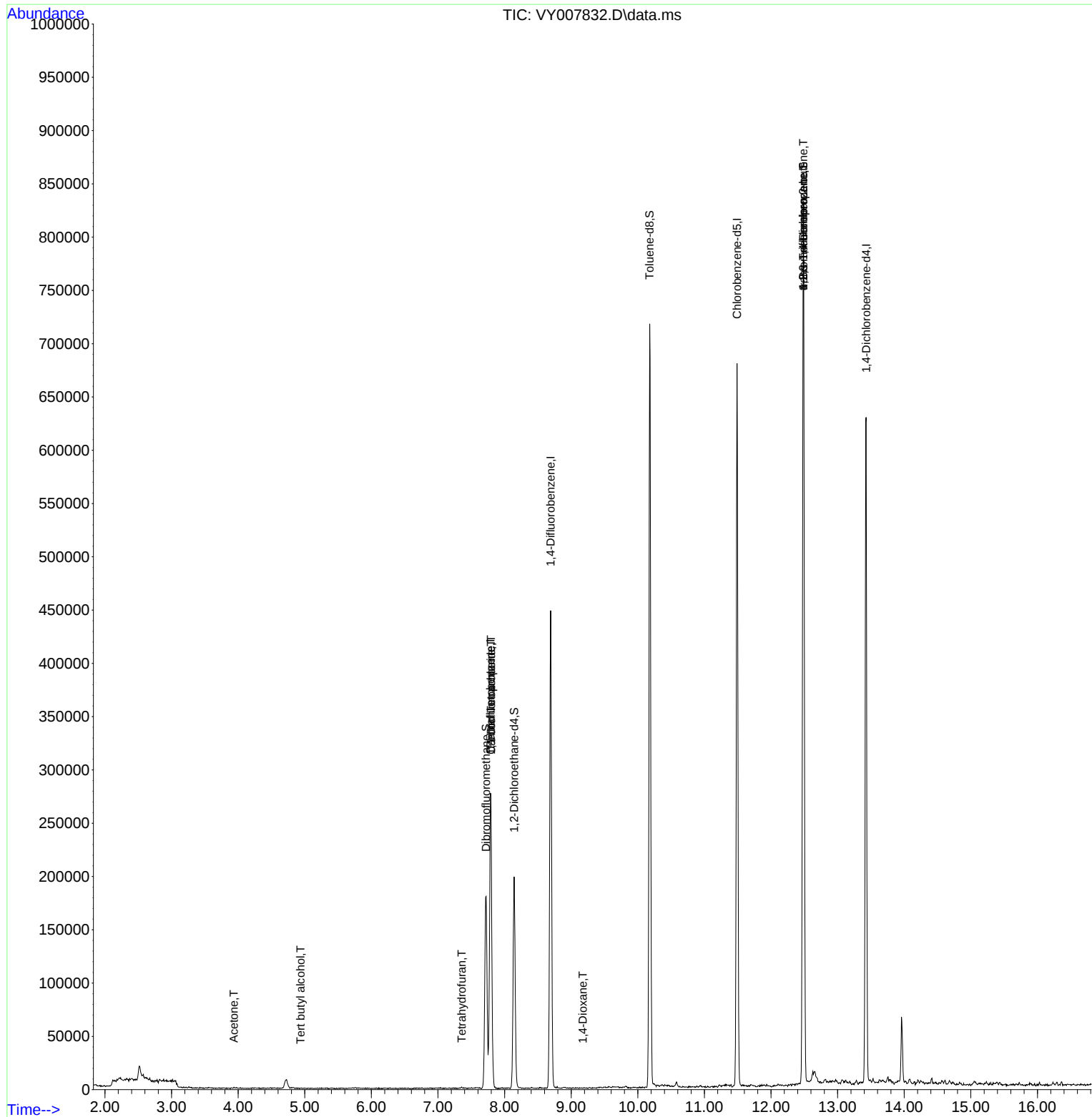
Internal Standards						
1) Pentafluorobenzene	7.789	168	212199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	363919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	348543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	143673	64.673	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.340%	
35) Dibromofluoromethane	7.722	113	125177	53.801	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.600%	
50) Toluene-d8	10.179	98	460602	53.780	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.560%	
62) 4-Bromofluorobenzene	12.483	95	141299	51.182	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.360%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	86	Below Cal	#	43
3) Chloromethane	2.119	50	1651	Below Cal		100
11) Tert butyl alcohol	4.936	59	281	1.461	ug/l #	77
13) Acrolein	3.552	56	50	Below Cal	#	64
16) Acetone	3.936	43	724	1.602	ug/l	90
18) Methyl Acetate	4.472	43	82	Below Cal	#	56
20) Methylene Chloride	4.704	84	2254	Below Cal	#	77
29) Tetrahydrofuran	7.356	42	591	1.139	ug/l #	49
31) Cyclohexane	7.789	56	5519	Below Cal	#	27
36) 1,1-Dichloropropene	7.795	75	16724	4.569	ug/l #	52
38) Carbon Tetrachloride	7.795	117	21764	5.574	ug/l #	14
49) 1,4-Dioxane	9.173	88	46	2.410	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	85815	50.608	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	85815	103.461	ug/l #	8

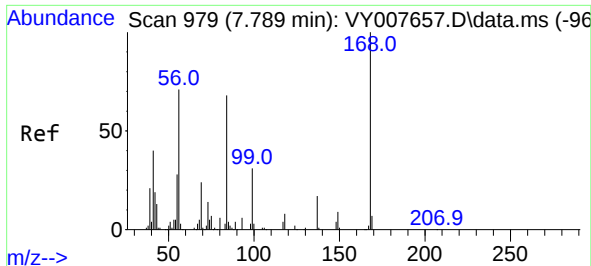
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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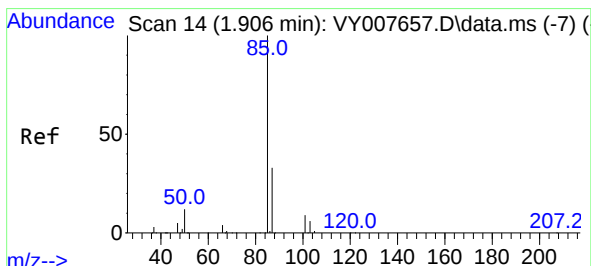
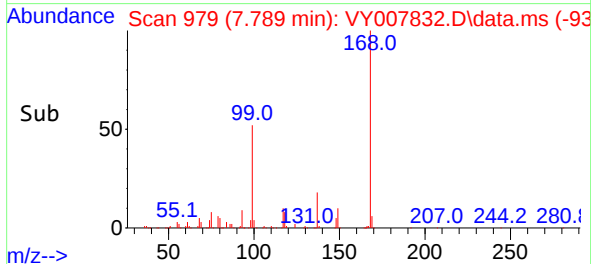
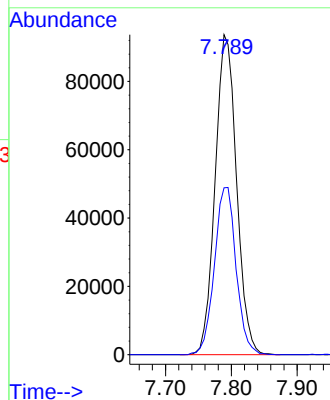
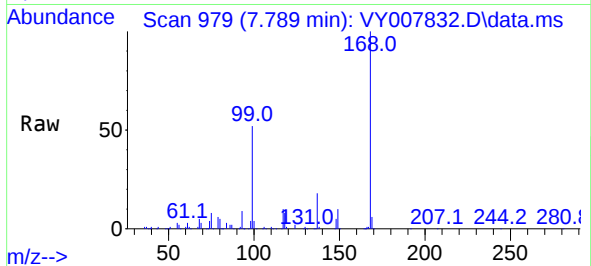




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

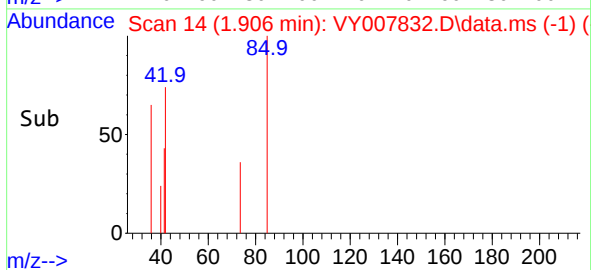
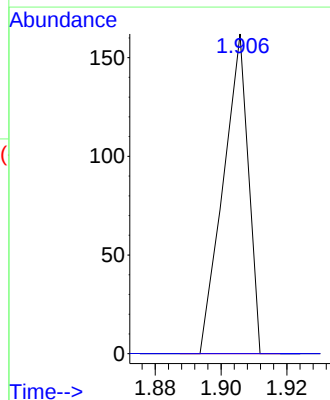
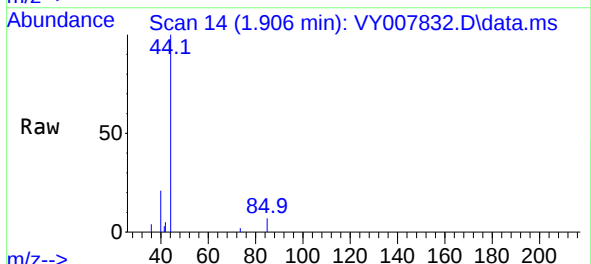
Instrument :
MSVOA_Y
ClientSampleId :
11-12-SAMPLE-LOCATION-6

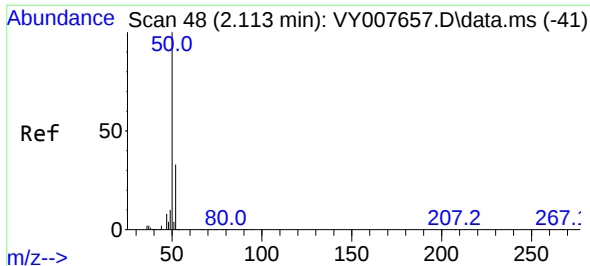
Tgt Ion:168 Resp: 212199
Ion Ratio Lower Upper
168 100
99 52.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

Tgt Ion: 85 Resp: 86
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

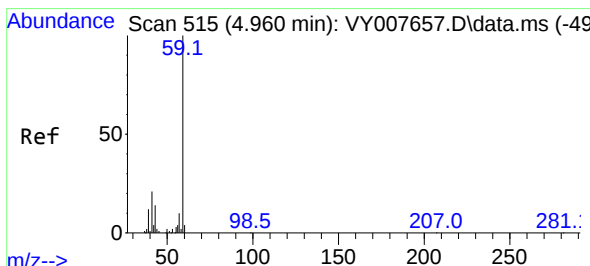
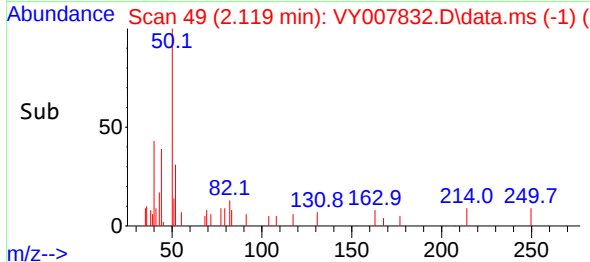
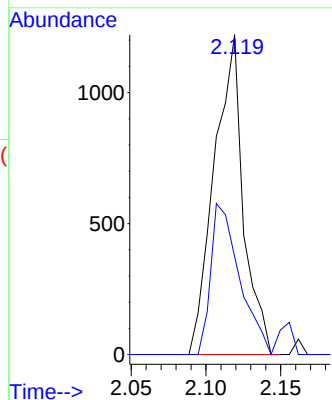
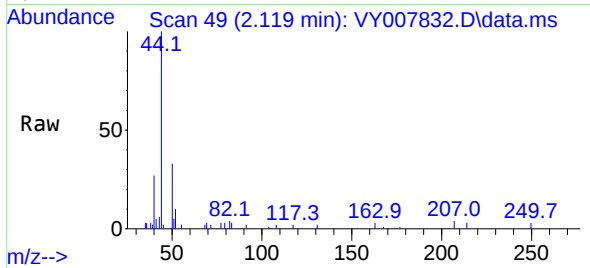




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

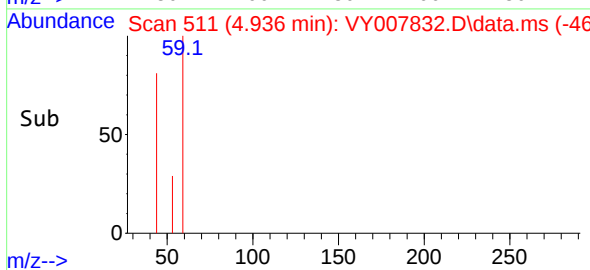
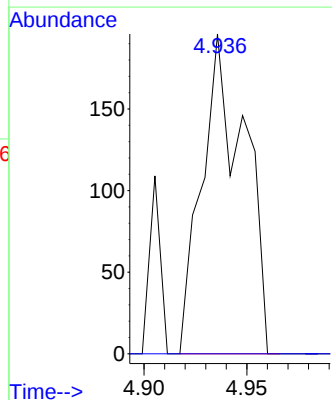
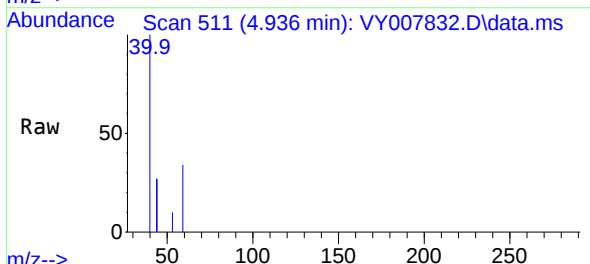
Instrument :
MSVOA_Y
ClientSampleId :
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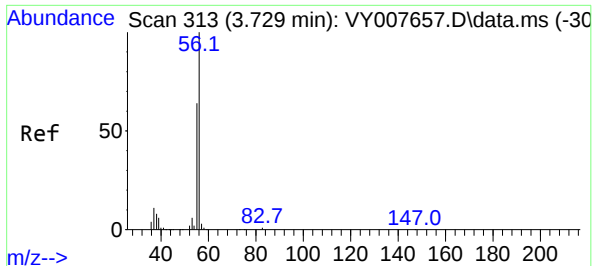
Tgt Ion: 50 Resp: 1651
Ion Ratio Lower Upper
50 100
52 30.6 24.6 37.0



#11
Tert butyl alcohol
Concen: 1.461 ug/l
RT: 4.936 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

Tgt Ion: 59 Resp: 281
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6

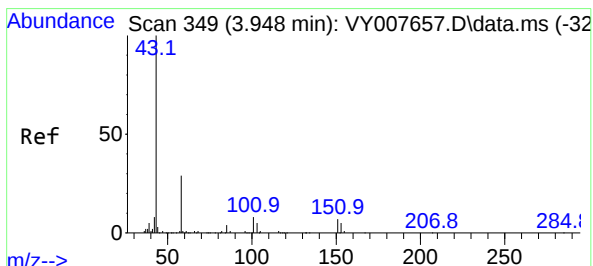
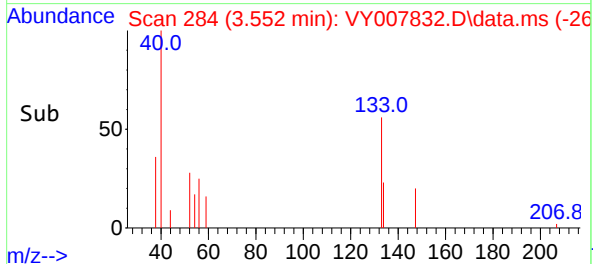
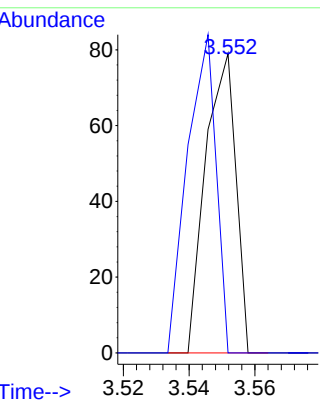
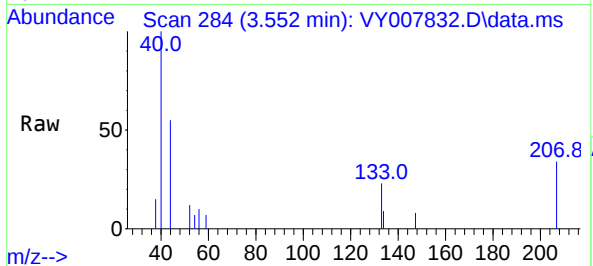




#13
Acrolein
Concen: Below Cal
RT: 3.552 min Scan# 21
Delta R.T. -0.177 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

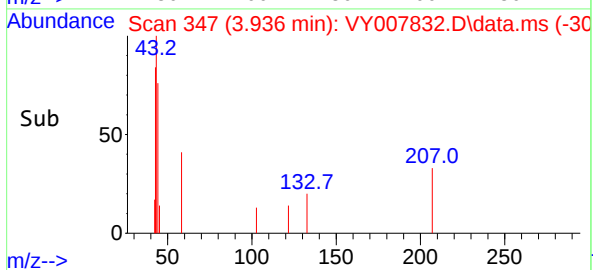
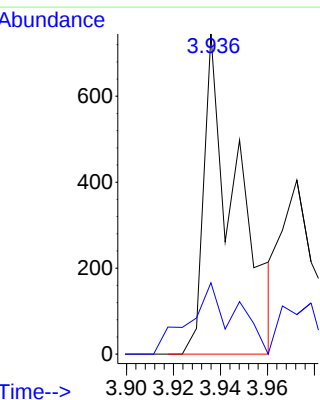
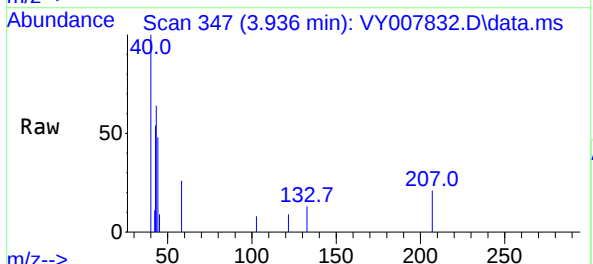
Instrument :
MSVOA_Y
ClientSampleId :
11-12-SAMPLE-LOCATION-6

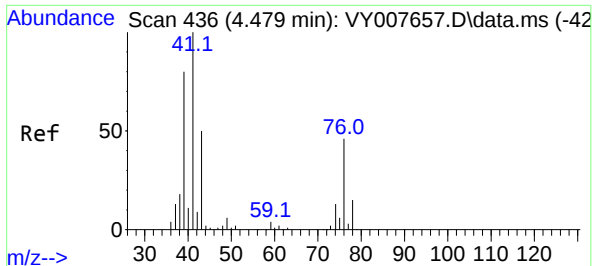
Tgt Ion: 56 Resp: 50
Ion Ratio Lower Upper
56 100
55 102.0 57.6 86.4#



#16
Acetone
Concen: 1.602 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
58 22.3 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 41

Delta R.T. -0.007 min

Lab File: VY007832.D

Acq: 10 Mar 2022 17:56

Instrument :

MSVOA_Y

ClientSampleId :

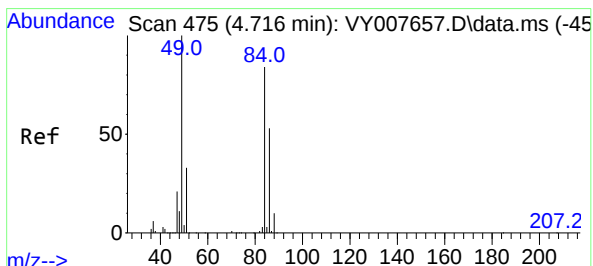
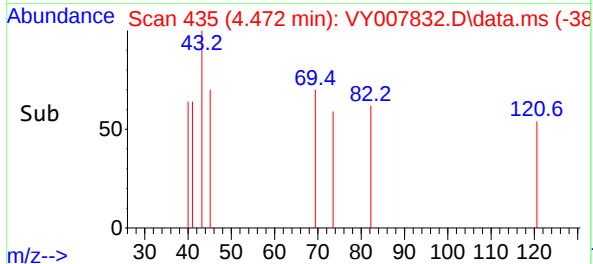
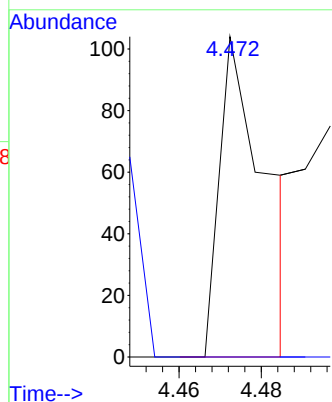
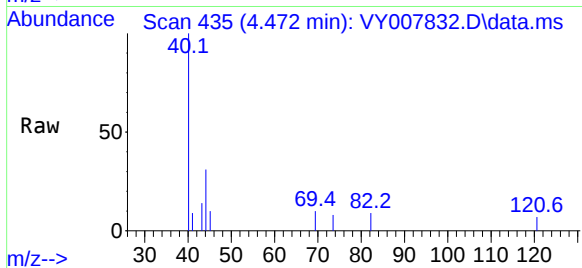
11-12-SAMPLE-LOCATION-6

Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY007832.D

Acq: 10 Mar 2022 17:56

Tgt Ion: 84 Resp: 2254

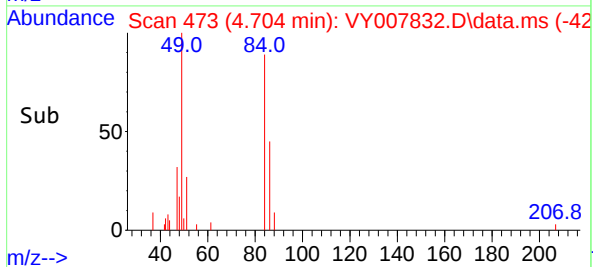
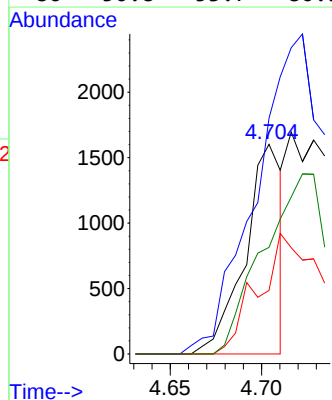
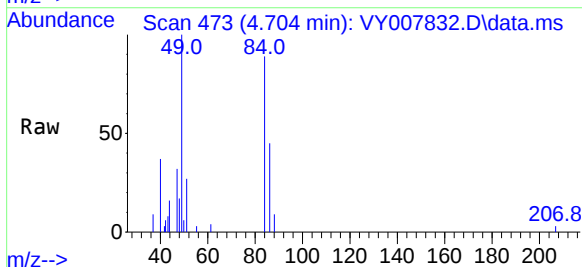
Ion Ratio Lower Upper

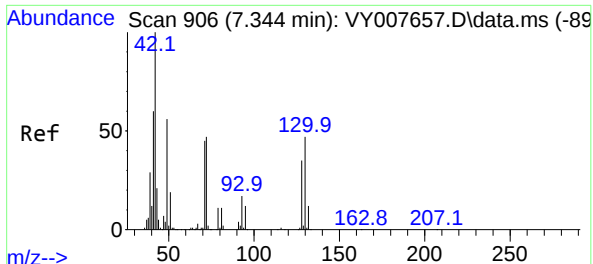
84 100

49 112.4 114.4 171.6#

51 30.3 35.3 52.9#

86 50.8 53.7 80.5#





#29

Tetrahydrofuran

Concen: 1.139 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY007832.D

Acq: 10 Mar 2022 17:56

Instrument :

MSVOA_Y

ClientSampleId :

11-12-SAMPLE-LOCATION-6

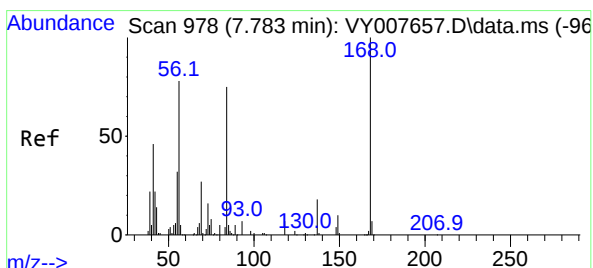
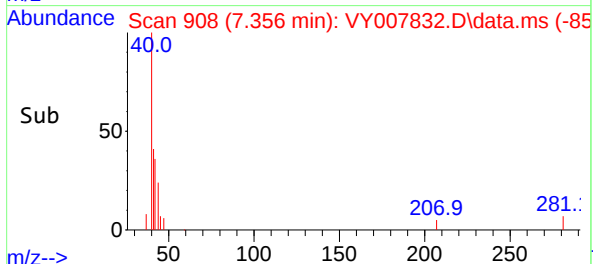
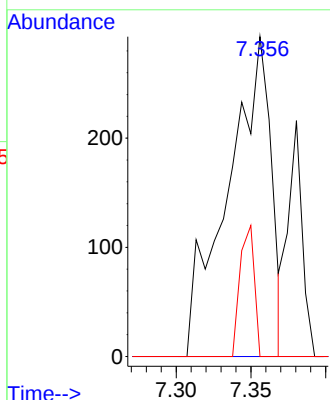
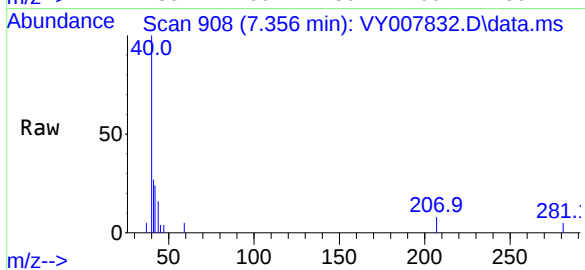
Tgt Ion: 42 Resp: 591

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 13.4 29.0 43.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY007832.D

Acq: 10 Mar 2022 17:56

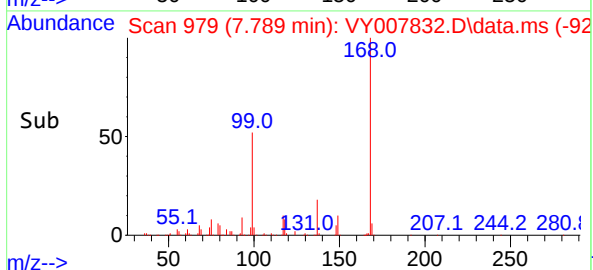
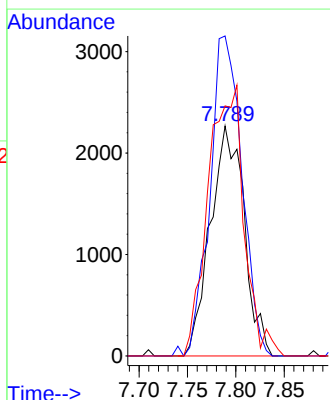
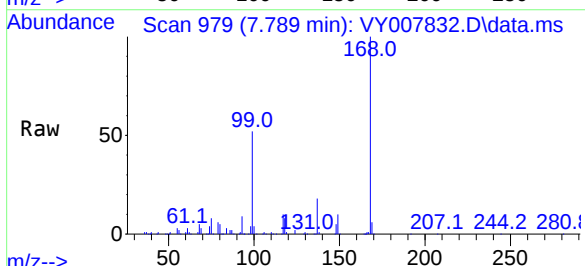
Tgt Ion: 56 Resp: 5519

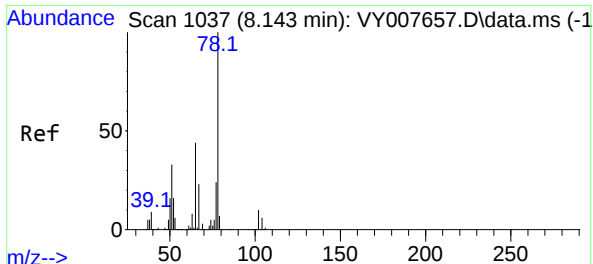
Ion Ratio Lower Upper

56 100

69 139.2 26.7 40.1#

84 108.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 64.673 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY007832.D

Acq: 10 Mar 2022 17:56

Instrument :

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ClientSampleId :

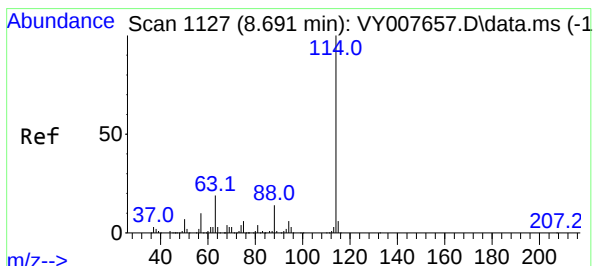
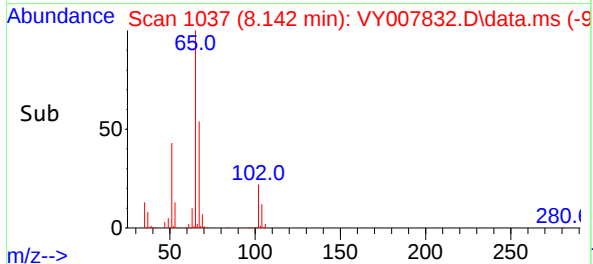
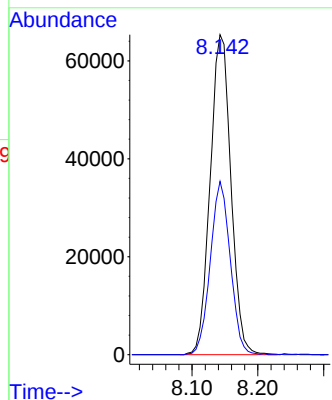
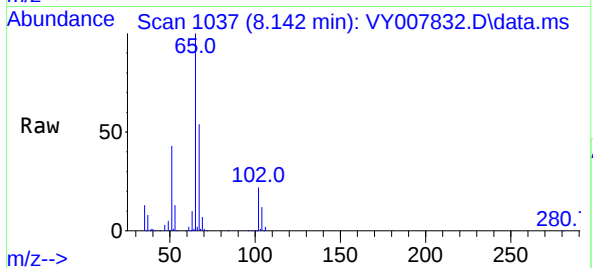
11-12-SAMPLE-LOCATION-6

Tgt Ion: 65 Resp: 143673

Ion Ratio Lower Upper

65 100

67 52.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007832.D

Acq: 10 Mar 2022 17:56

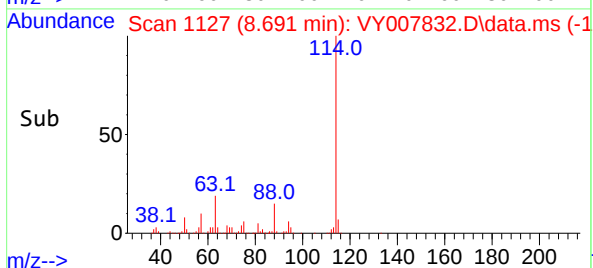
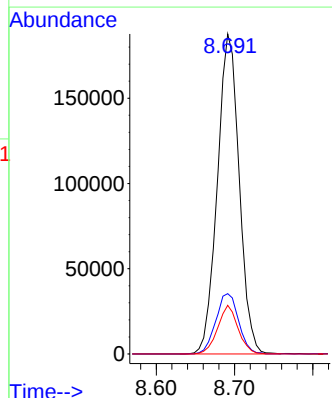
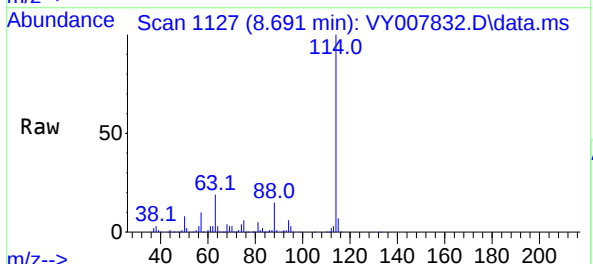
Tgt Ion: 114 Resp: 363919

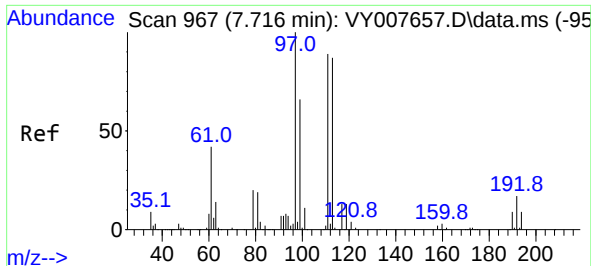
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.2 0.0 31.8

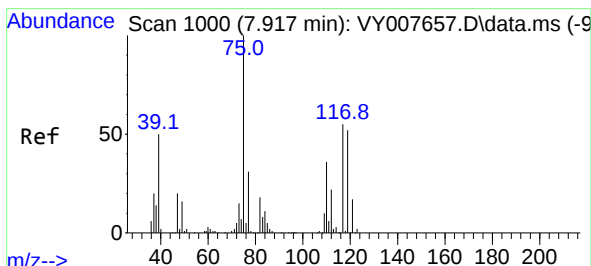
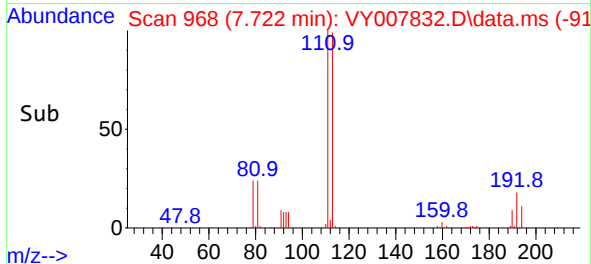
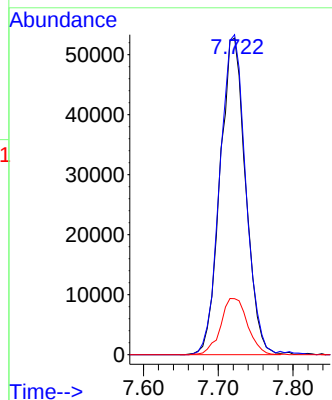
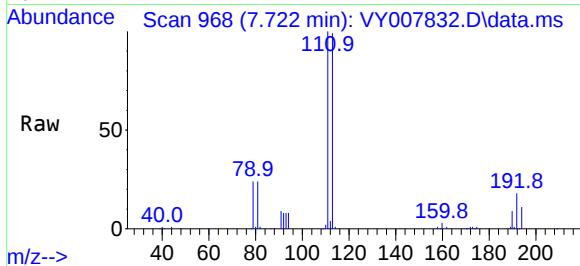




#35
Dibromofluoromethane
Concen: 53.801 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

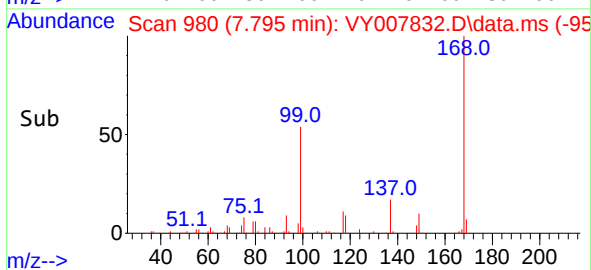
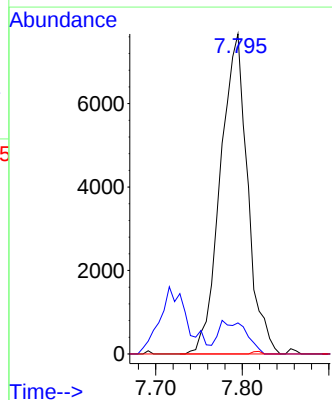
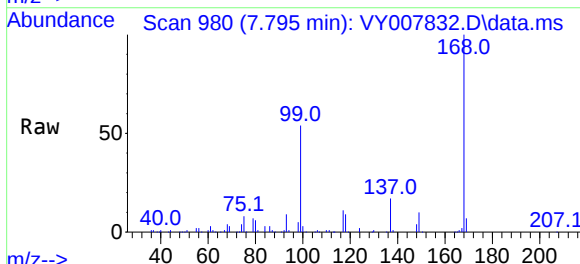
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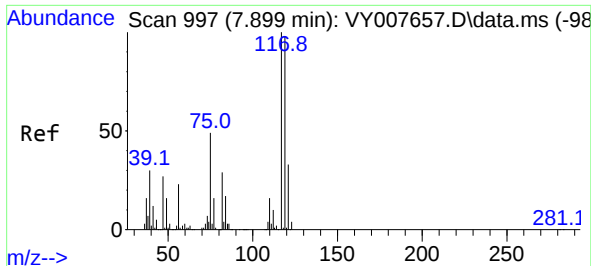
Tgt Ion:113 Resp: 125177
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 18.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.569 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

Tgt Ion: 75 Resp: 16724
Ion Ratio Lower Upper
75 100
110 10.5 17.1 51.2#
77 0.0 24.4 36.6#

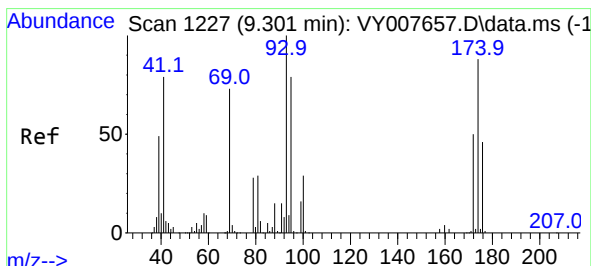
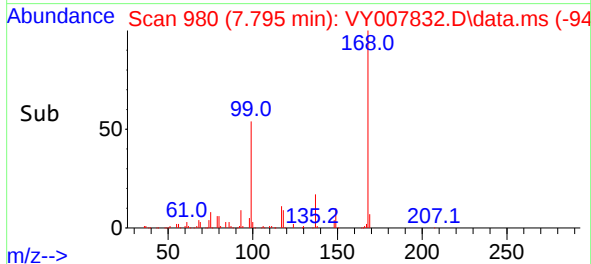
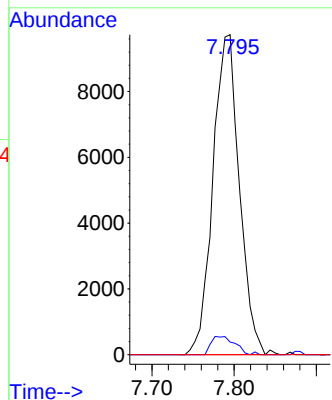
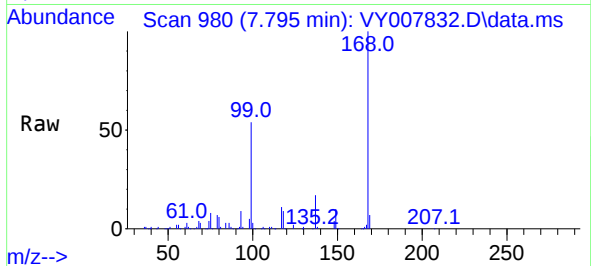




#38
Carbon Tetrachloride
Concen: 5.574 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

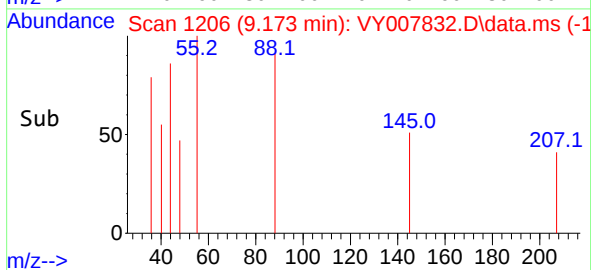
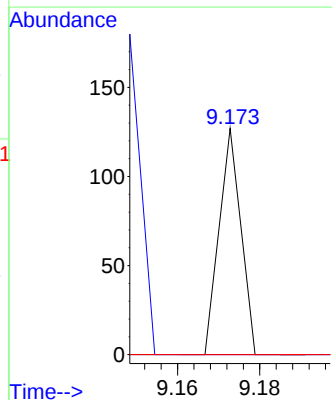
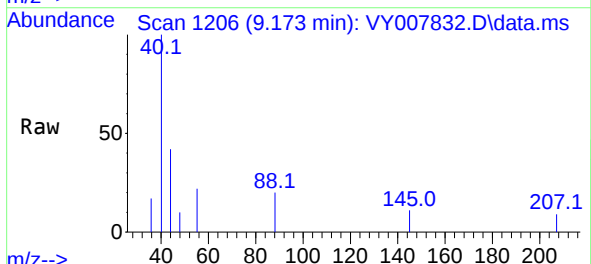
Instrument :
MSVOA_Y
ClientSampleId :
11-12-SAMPLE-LOCATION-6

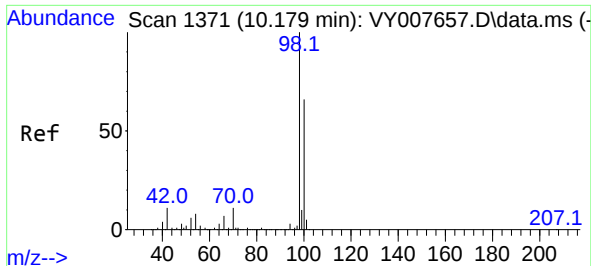
Tgt Ion:117 Resp: 21764
Ion Ratio Lower Upper
117 100
119 4.0 77.9 116.9#
121 0.0 24.8 37.2#



#49
1,4-Dioxane
Concen: 2.410 ug/l
RT: 9.173 min Scan# 1206
Delta R.T. -0.128 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 0.0 32.8 49.2#
58 0.0 59.8 89.6#

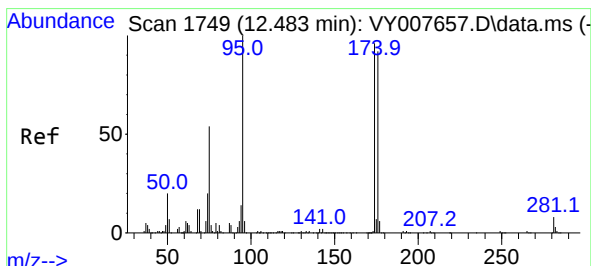
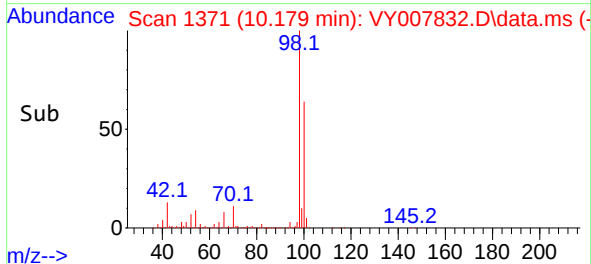
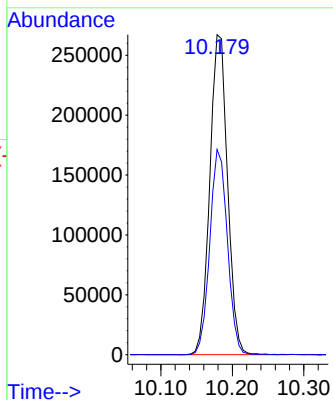
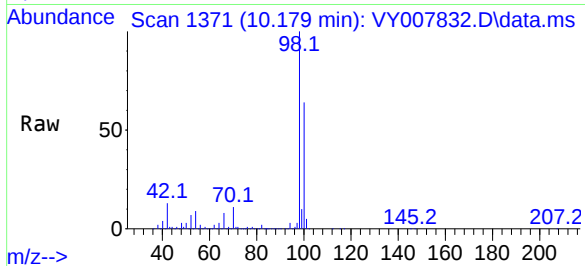




#50
Toluene-d8
Concen: 53.780 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

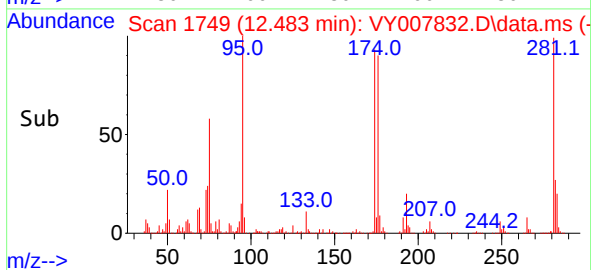
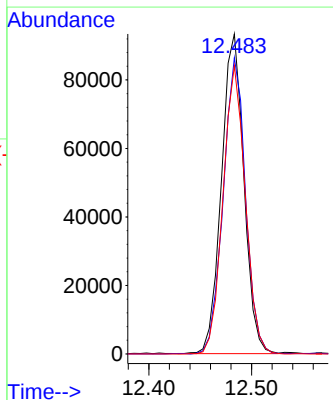
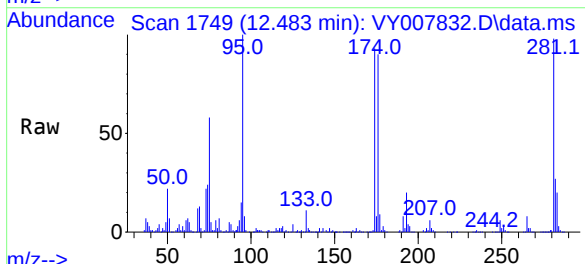
Instrument :
MSVOA_Y
ClientSampleId :
11-12-SAMPLE-LOCATION-6

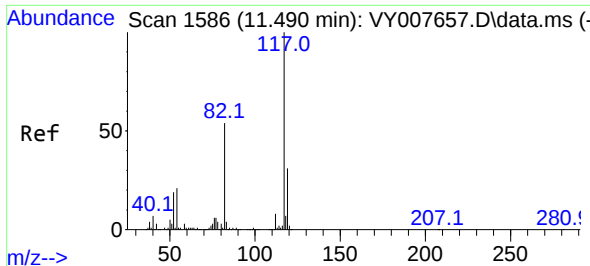
Tgt Ion: 98 Resp: 460602
Ion Ratio Lower Upper
98 100
100 63.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 51.182 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

Tgt Ion: 95 Resp: 141299
Ion Ratio Lower Upper
95 100
174 92.2 0.0 177.0
176 89.5 0.0 175.8

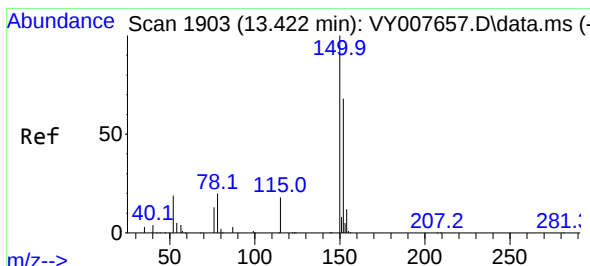
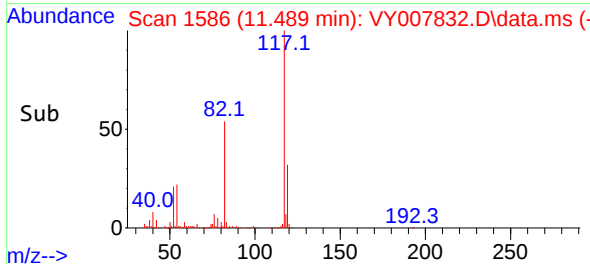
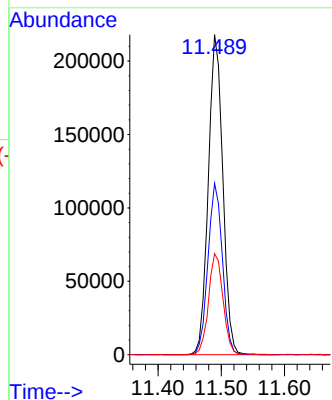
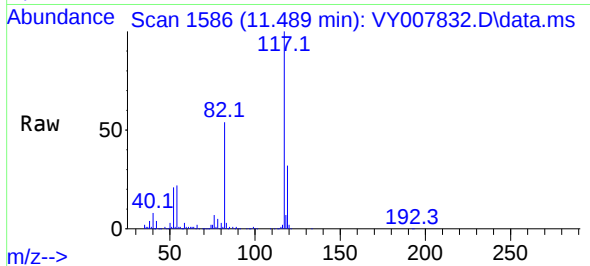




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

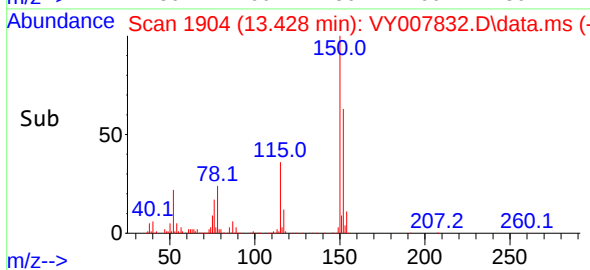
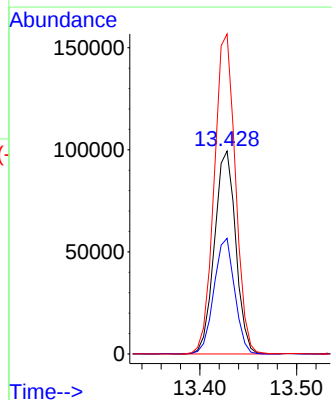
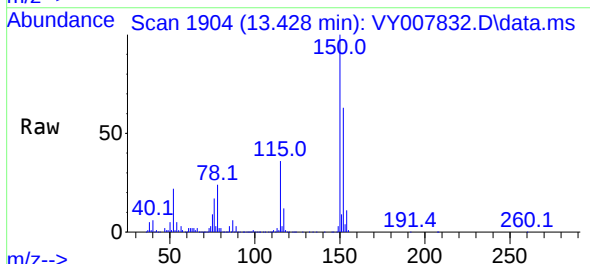
Instrument :
MSVOA_Y
ClientSampleId :
11-12-SAMPLE-LOCATION-6

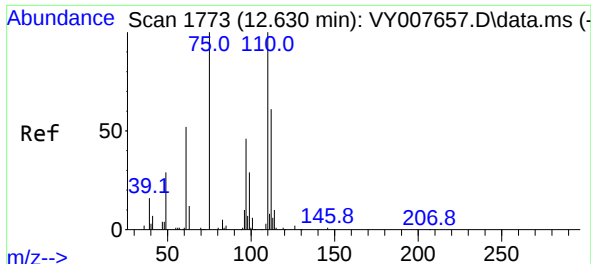
Tgt Ion:117 Resp: 348543
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.4
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

Tgt Ion:152 Resp: 151839
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.7
150 157.1 0.0 347.6

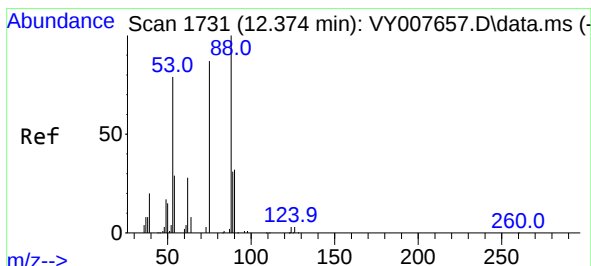
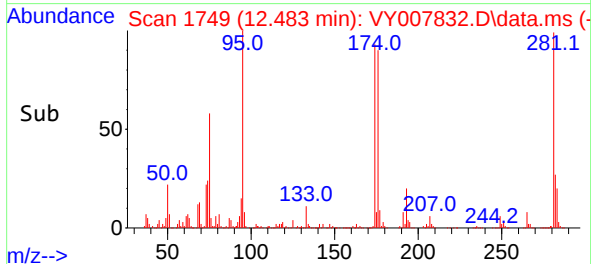
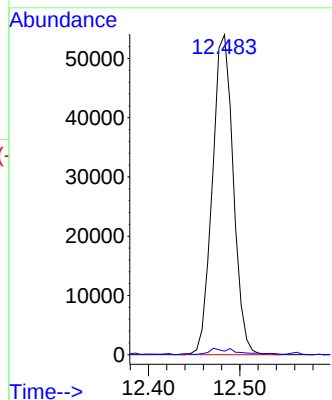
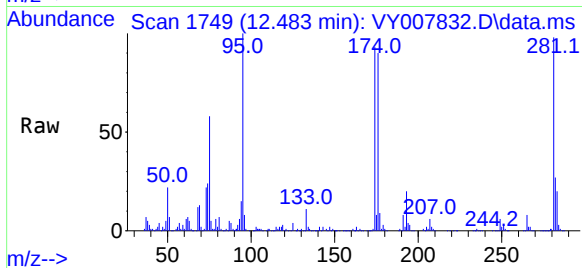




#76
1,2,3-Trichloropropane
Concen: 50.608 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

Instrument :
MSVOA_Y
ClientSampleId :
11-12-SAMPLE-LOCATION-6

Tgt Ion: 75 Resp: 85815
Ion Ratio Lower Upper
75 100
77 2.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.461 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY007832.D
Acq: 10 Mar 2022 17:56

Tgt Ion: 75 Resp: 85815
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 1.7 37.0 55.4#

