

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030322\
 Data File : VY007726.D
 Acq On : 04 Mar 2022 00:57
 Operator : SY/MD
 Sample : N1730-05
 Misc : 6.17g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 9-10-SAMPLE-LOCATION-5

Quant Time: Mar 04 07:30:42 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)

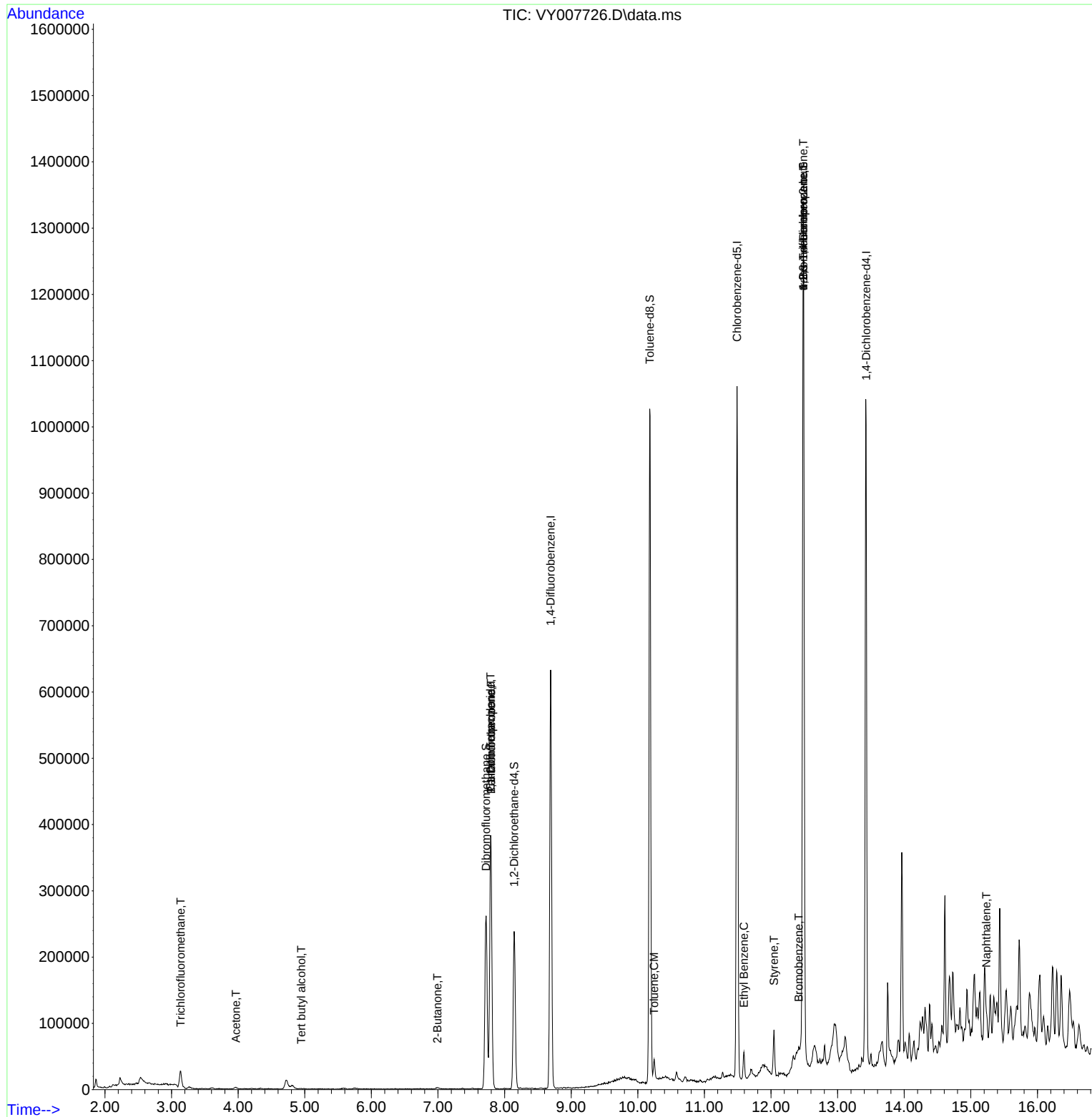
Internal Standards						
1) Pentafluorobenzene	7.795	168	316072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	548824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	561577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	258415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	181399	54.820	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.640%	
35) Dibromofluoromethane	7.722	113	182419	51.989	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.980%	
50) Toluene-d8	10.179	98	688724	53.323	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.640%	
62) 4-Bromofluorobenzene	12.483	95	231374	55.573	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.140%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	51	Below Cal	#	43
3) Chloromethane	2.113	50	1203	Below Cal	#	54
7) Trichlorofluoromethane	3.137	101	25408	4.690	ug/l	95
11) Tert butyl alcohol	4.948	59	1427	4.981	ug/l #	86
13) Acrolein	3.985	56	53	Below Cal	#	79
16) Acetone	3.966	43	4109	6.104	ug/l	92
17) Carbon Disulfide	4.198	76	814	Below Cal	#	76
18) Methyl Acetate	4.479	43	147	Below Cal	#	56
20) Methylene Chloride	4.728	84	10571	Below Cal	#	75
25) 2-Butanone	6.990	43	2282	2.021	ug/l #	68
31) Cyclohexane	7.789	56	6752	Below Cal	#	34
36) 1,1-Dichloropropene	7.795	75	22747	4.121	ug/l #	51
38) Carbon Tetrachloride	7.789	117	29865	5.072	ug/l #	14
52) Toluene	10.246	92	12574	1.266	ug/l	97
67) Ethyl Benzene	11.593	91	27424	1.243	ug/l	97
70) Styrene	12.044	104	31554	2.349	ug/l #	87
76) 1,2,3-Trichloropropane	12.483	75	135592	46.985	ug/l #	100
77) Bromobenzene	12.416	156	28764	6.203	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	135592	96.054	ug/l #	8
95) Naphthalene	15.233	128	17358	1.645	ug/l #	91

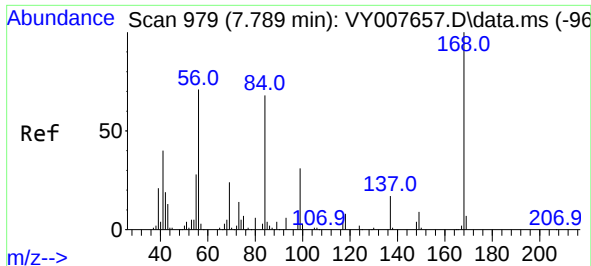
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

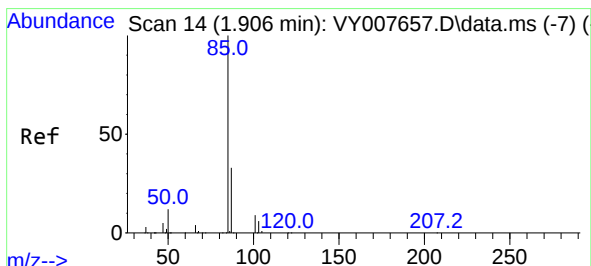
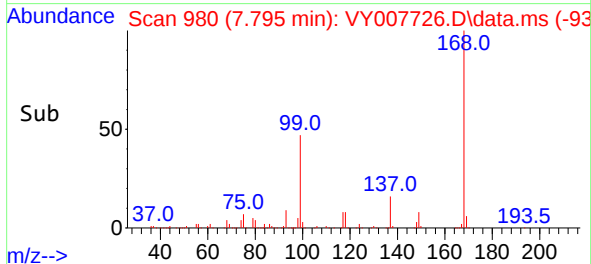
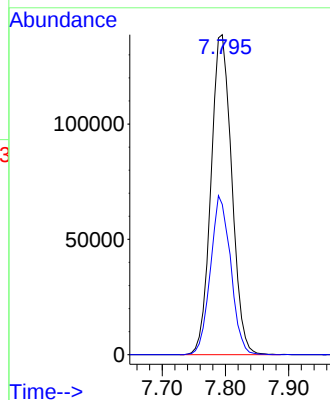
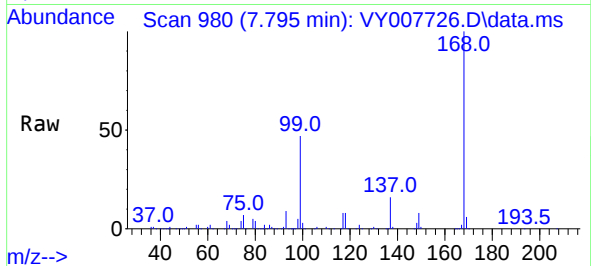




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

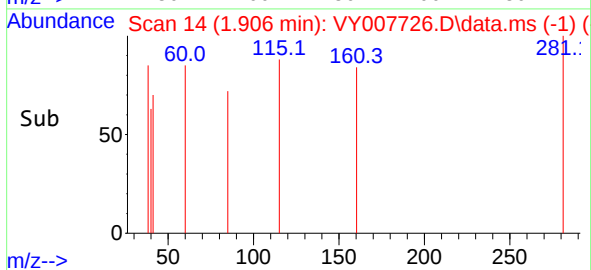
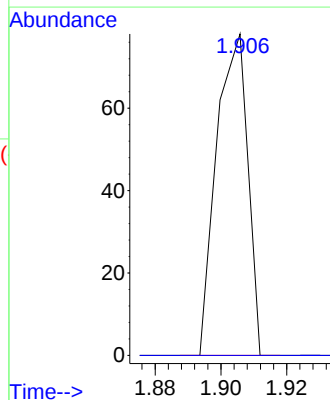
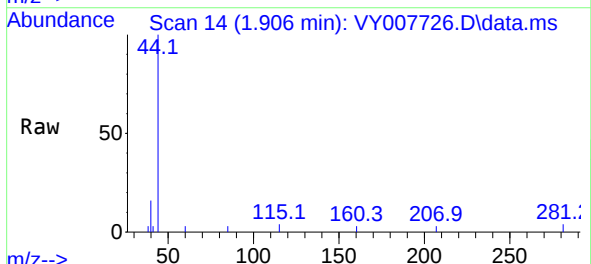
Instrument :
MSVOA_Y
ClientSampleId :
9-10-SAMPLE-LOCATION-5

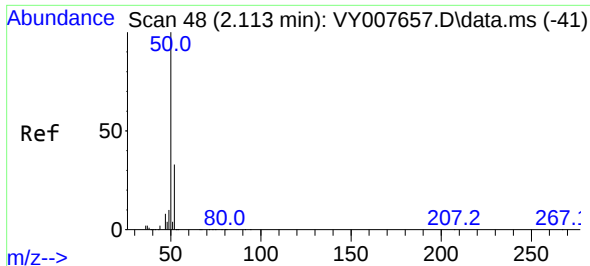
Tgt Ion:168 Resp: 316072
Ion Ratio Lower Upper
168 100
99 46.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion: 85 Resp: 51
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

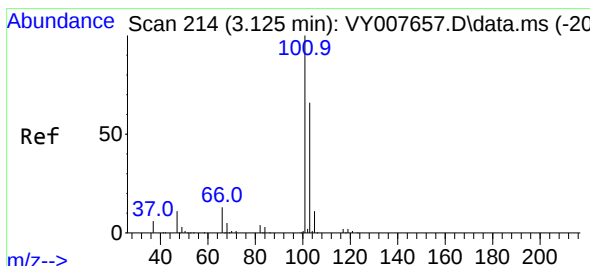
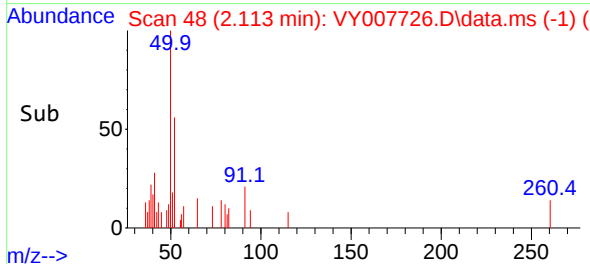
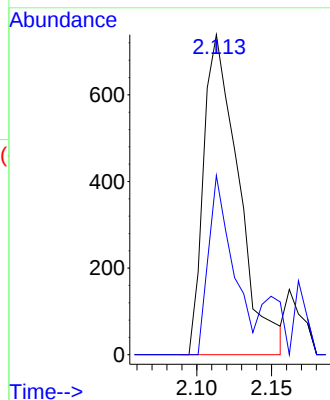
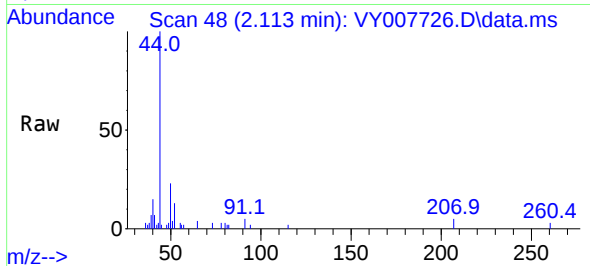




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

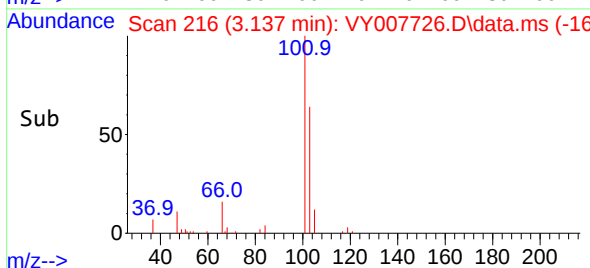
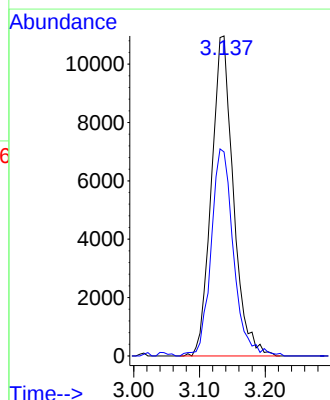
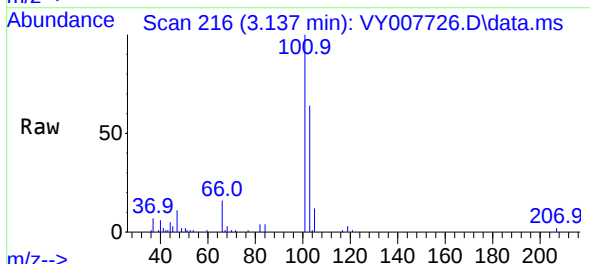
Instrument :
MSVOA_Y
ClientSampleId :
9-10-SAMPLE-LOCATION-5

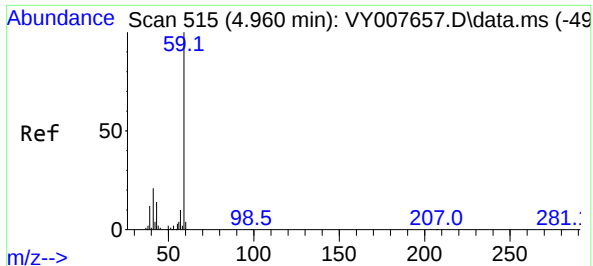
Tgt Ion: 50 Resp: 1203
Ion Ratio Lower Upper
50 100
52 56.0 24.6 37.0#



#7
Trichlorofluoromethane
Concen: 4.690 ug/l
RT: 3.137 min Scan# 216
Delta R.T. 0.012 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion: 101 Resp: 25408
Ion Ratio Lower Upper
101 100
103 63.8 48.0 72.0

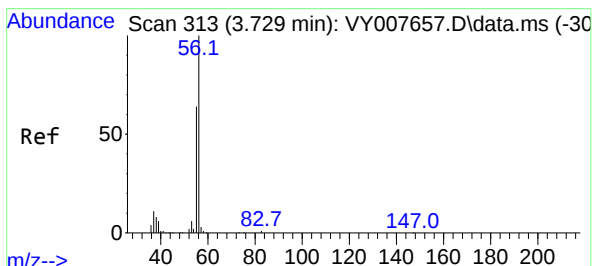
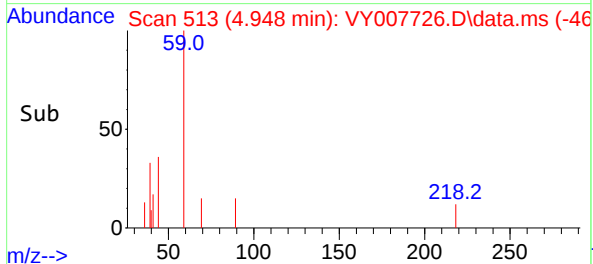
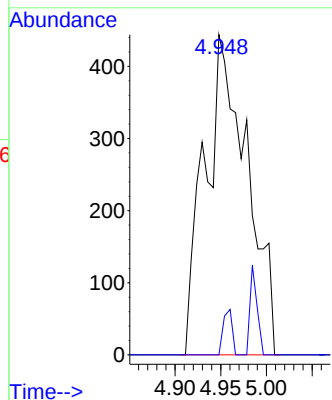
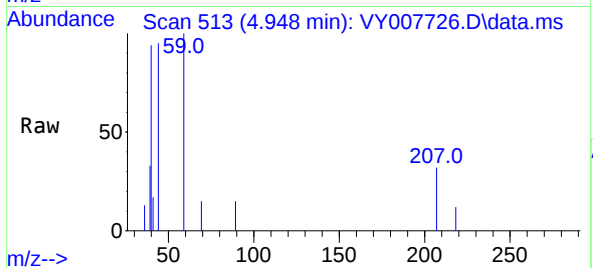




#11
Tert butyl alcohol
Concen: 4.981 ug/l
RT: 4.948 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

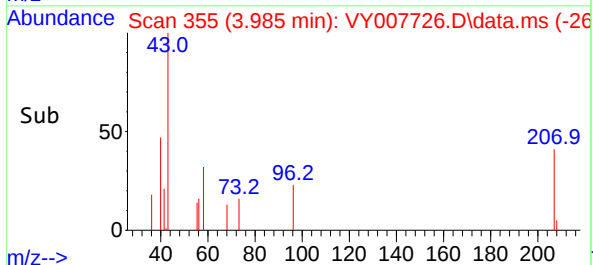
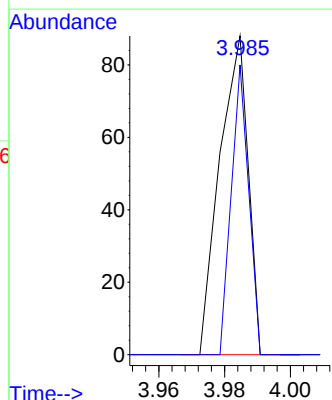
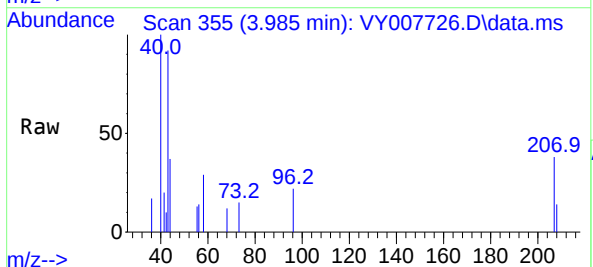
Instrument :
MSVOA_Y
ClientSampleId :
9-10-SAMPLE-LOCATION-5

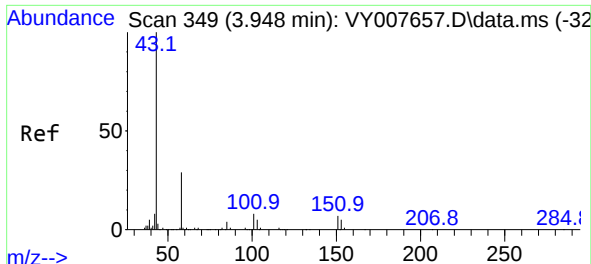
Tgt Ion: 59 Resp: 1427
Ion Ratio Lower Upper
59 100
57 3.0 6.4 9.6#



#13
Acrolein
Concen: Below Cal
RT: 3.985 min Scan# 355
Delta R.T. 0.256 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 54.7 57.6 86.4#

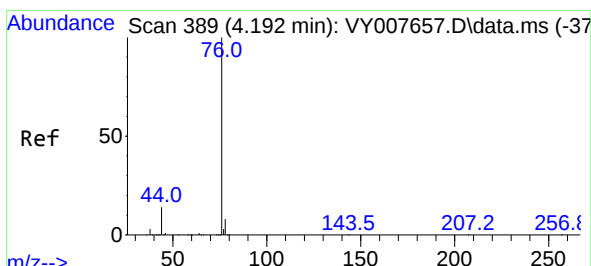
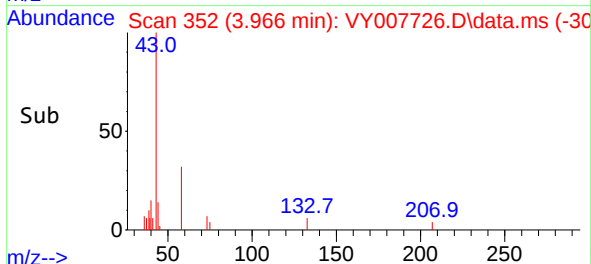
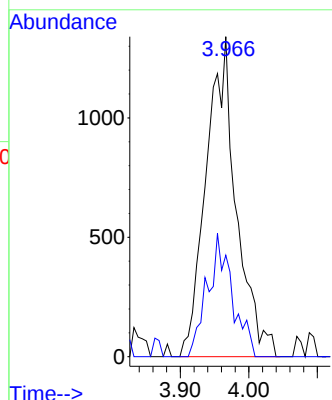
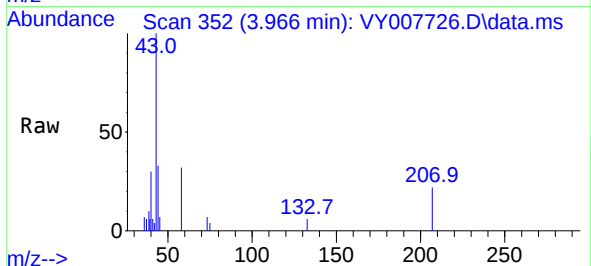




#16
Acetone
Concen: 6.104 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

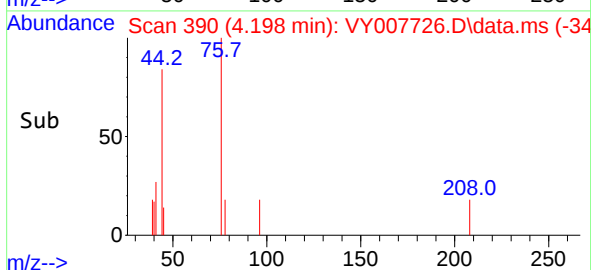
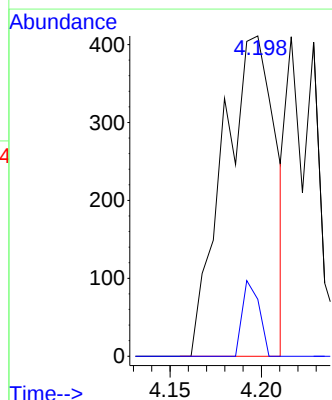
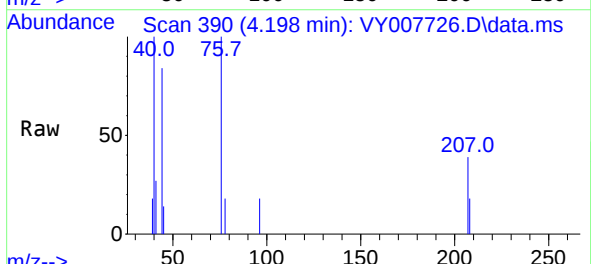
Instrument :
MSVOA_Y
ClientSampleId :
9-10-SAMPLE-LOCATION-5

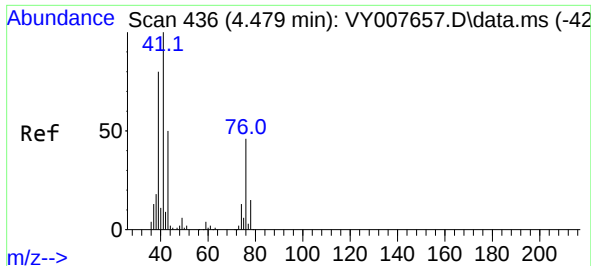
Tgt Ion: 43 Resp: 4109
Ion Ratio Lower Upper
43 100
58 31.7 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion: 76 Resp: 814
Ion Ratio Lower Upper
76 100
78 17.8 7.4 11.0#

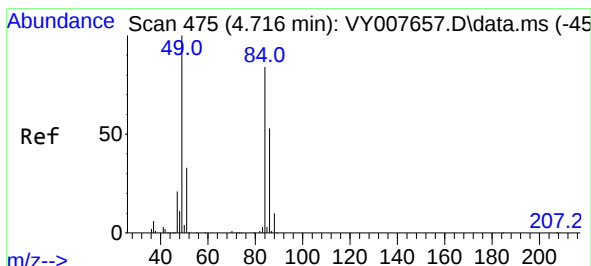
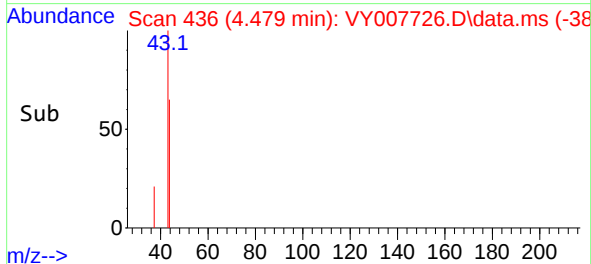
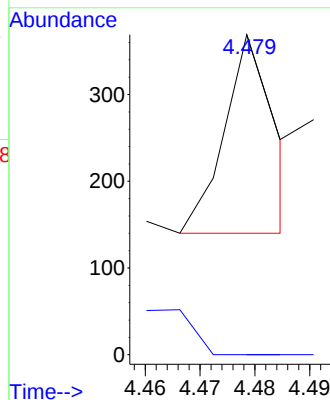
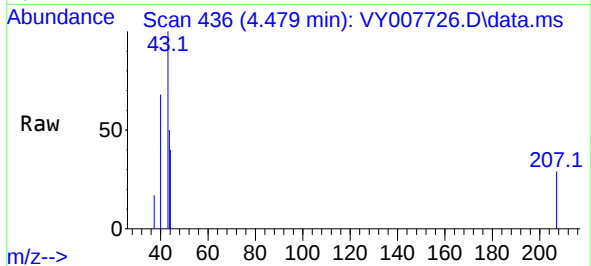




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

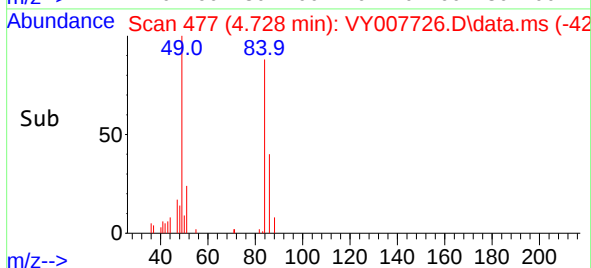
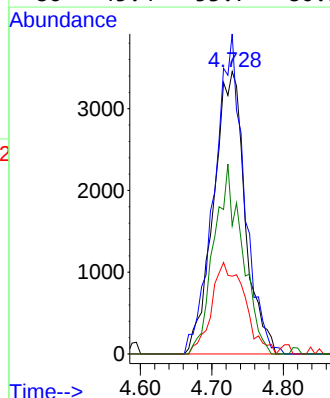
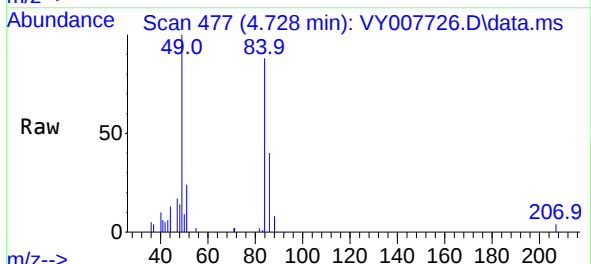
Instrument :
MSVOA_Y
ClientSampleId :
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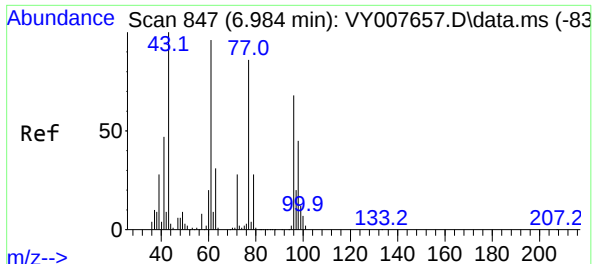
Tgt Ion: 43 Resp: 147
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion: 84 Resp: 10571
Ion Ratio Lower Upper
84 100
49 113.3 114.4 171.6#
51 27.5 35.3 52.9#
86 45.4 53.7 80.5#





#25

2-Butanone

Concen: 2.021 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY007726.D

Acq: 04 Mar 2022 00:57

Instrument :

MSVOA_Y

ClientSampleId :

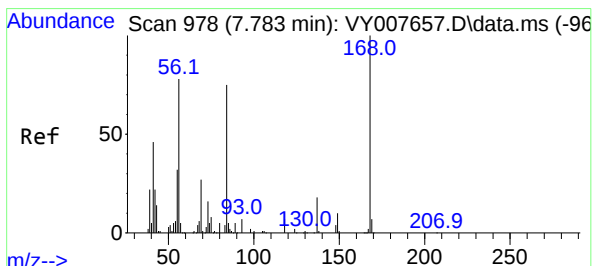
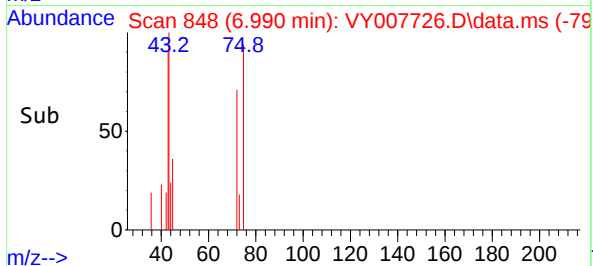
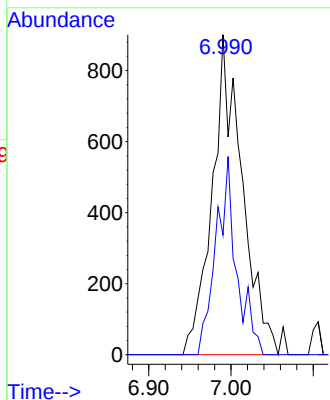
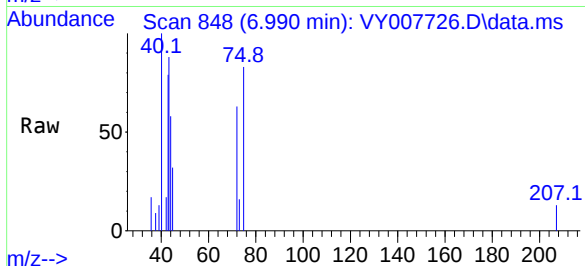
9-10-SAMPLE-LOCATION-5

Tgt Ion: 43 Resp: 2282

Ion Ratio Lower Upper

43 100

72 37.4 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY007726.D

Acq: 04 Mar 2022 00:57

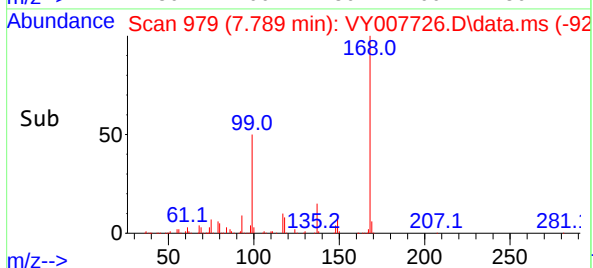
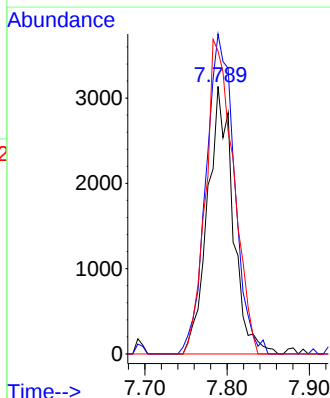
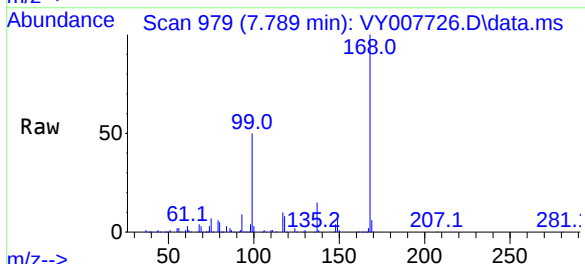
Tgt Ion: 56 Resp: 6752

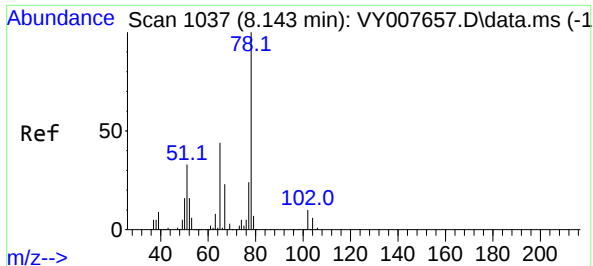
Ion Ratio Lower Upper

56 100

69 119.6 26.7 40.1#

84 113.3 67.2 100.8#

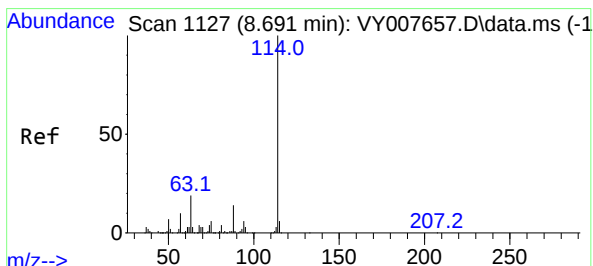
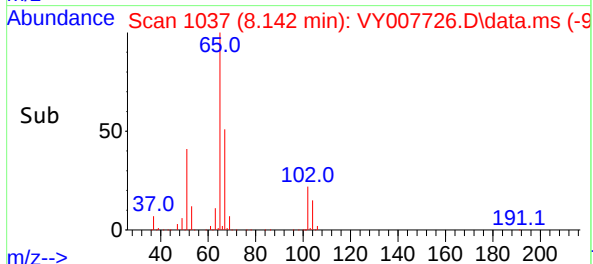
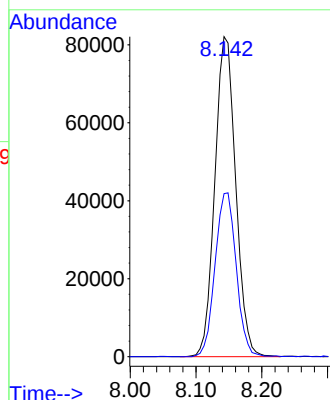
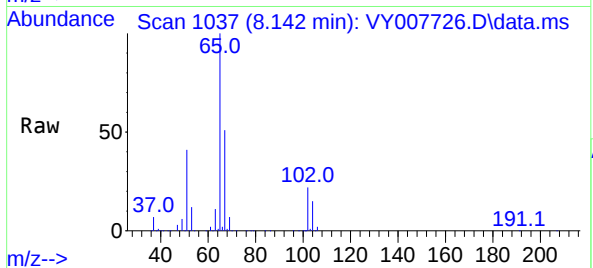




#33
1,2-Dichloroethane-d4
Concen: 54.820 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

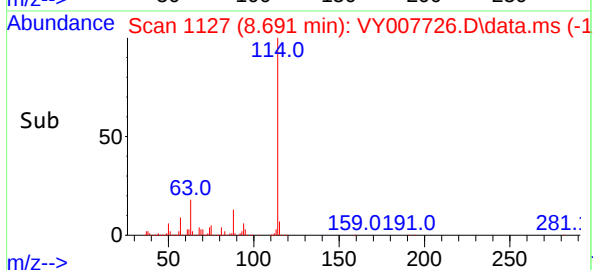
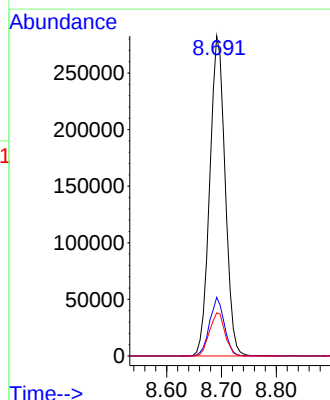
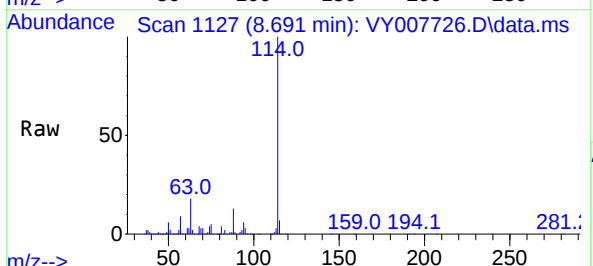
Instrument : MSVOA_Y
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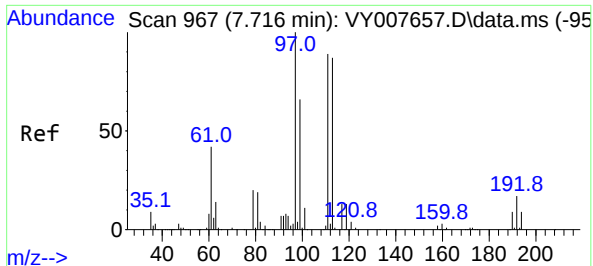
Tgt Ion: 65 Resp: 181399
Ion Ratio Lower Upper
65 100
67 51.9 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion:114 Resp: 548824
Ion Ratio Lower Upper
114 100
63 18.3 0.0 43.2
88 13.5 0.0 31.8

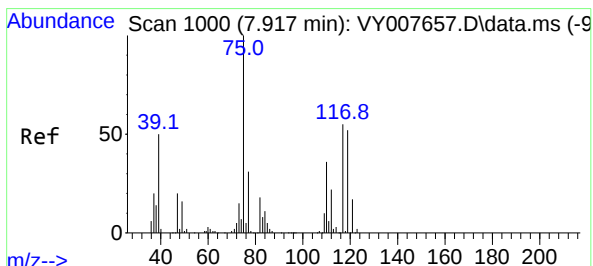
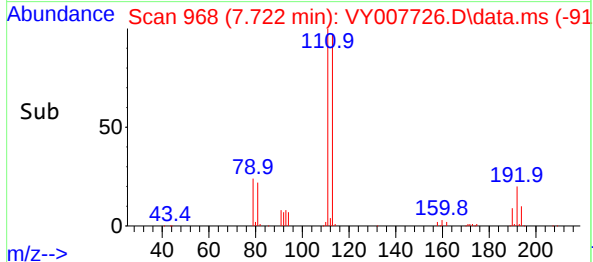
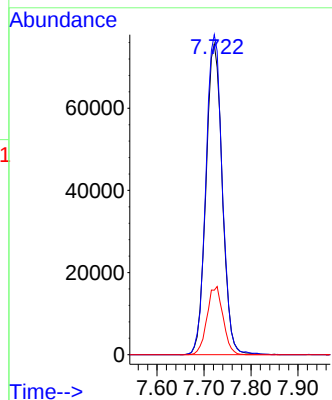
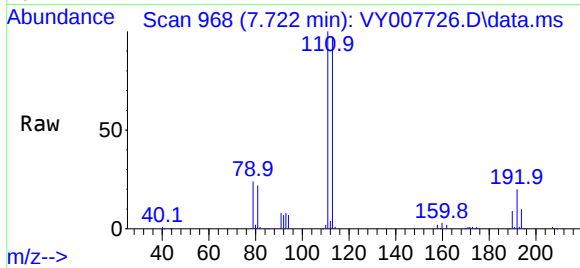




#35
Dibromofluoromethane
Concen: 51.989 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

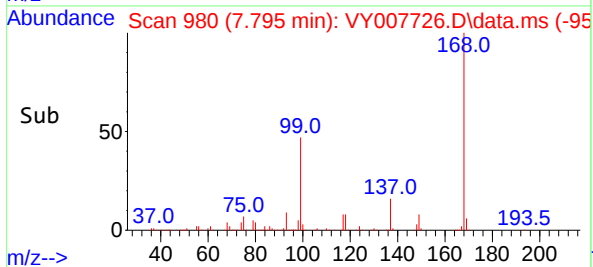
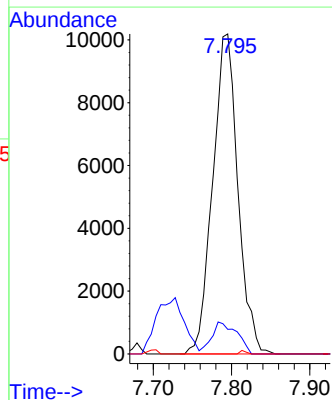
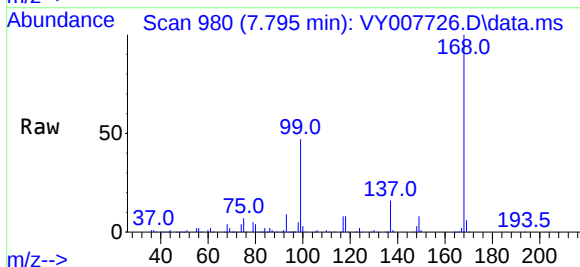
Instrument :
MSVOA_Y
ClientSampleId :
9-10-SAMPLE-LOCATION-5

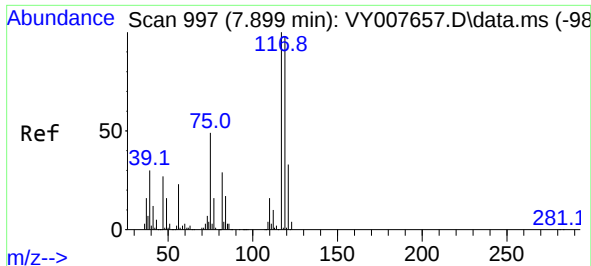
Tgt Ion:113 Resp: 182419
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 21.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.121 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion: 75 Resp: 22747
Ion Ratio Lower Upper
75 100
110 10.0 17.1 51.2#
77 0.0 24.4 36.6#

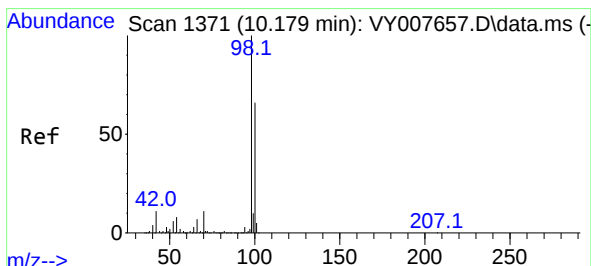
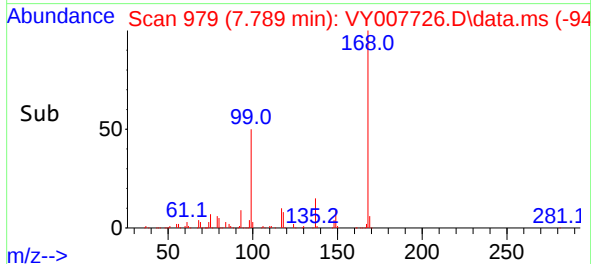
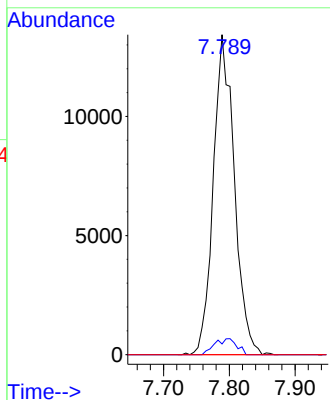
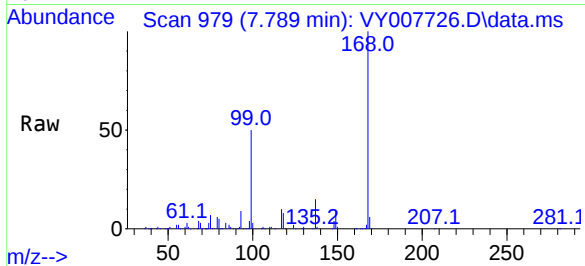




#38
Carbon Tetrachloride
Concen: 5.072 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

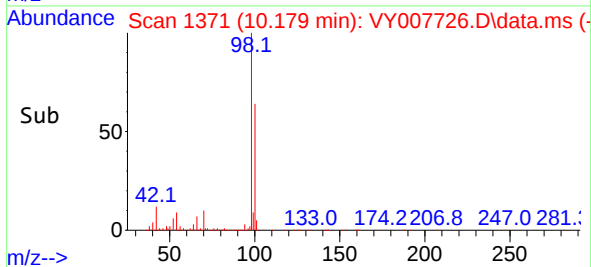
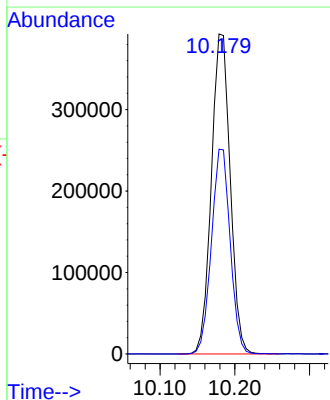
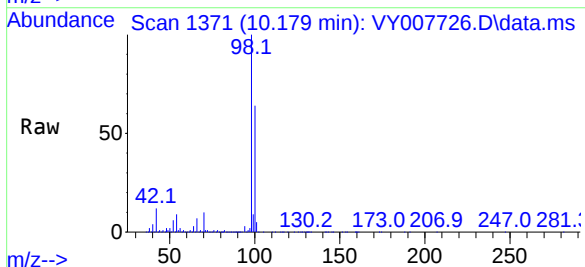
Instrument :
MSVOA_Y
ClientSampleId :
9-10-SAMPLE-LOCATION-5

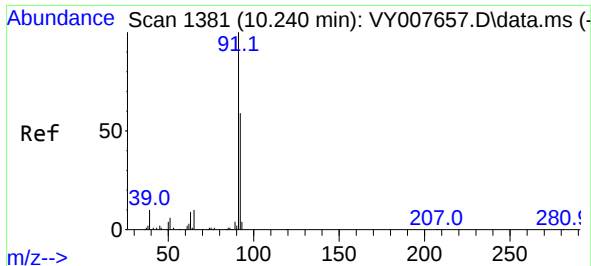
Tgt Ion:117 Resp: 29865
Ion Ratio Lower Upper
117 100
119 3.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.323 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion: 98 Resp: 688724
Ion Ratio Lower Upper
98 100
100 63.6 50.2 75.2

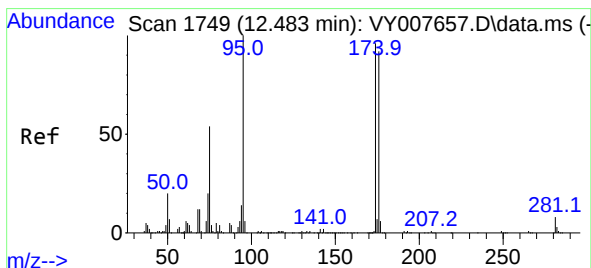
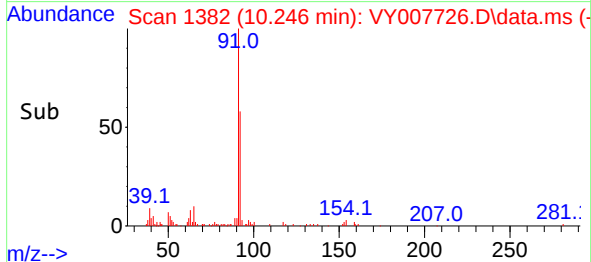
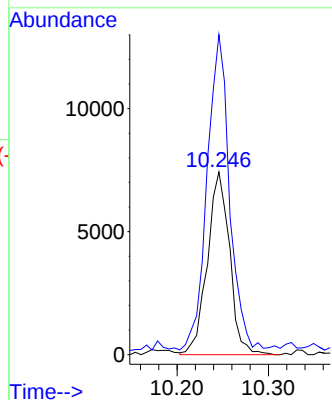
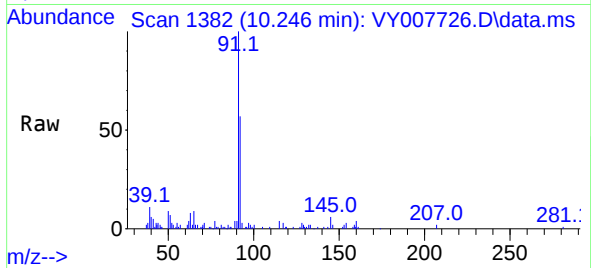




#52
Toluene
Concen: 1.266 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

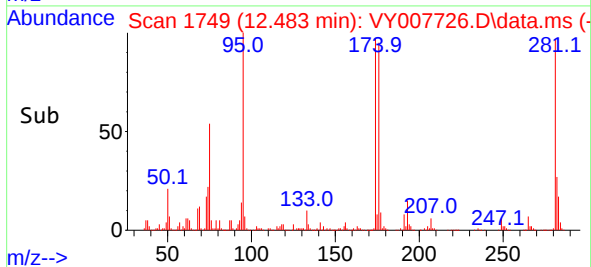
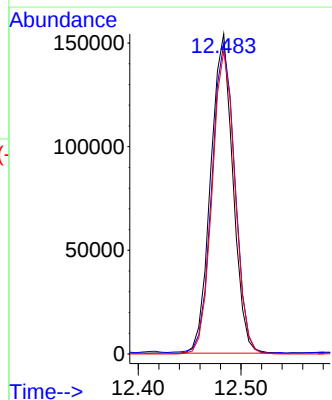
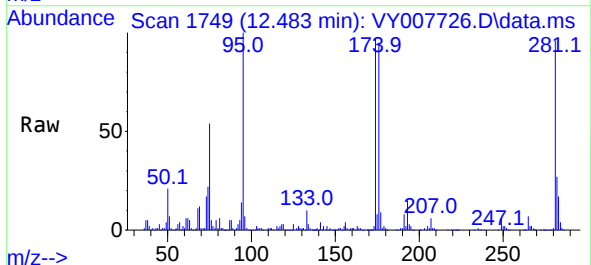
Instrument :
MSVOA_Y
ClientSampleId :
9-10-SAMPLE-LOCATION-5

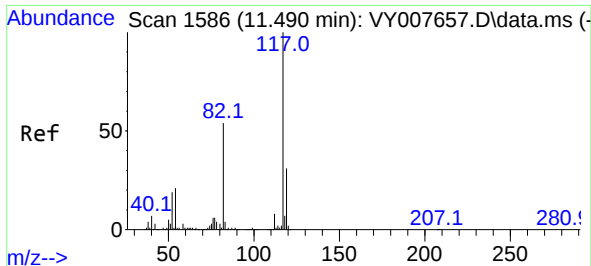
Tgt Ion: 92 Resp: 12574
Ion Ratio Lower Upper
92 100
91 173.5 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 55.573 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion: 95 Resp: 231374
Ion Ratio Lower Upper
95 100
174 100.0 0.0 177.0
176 97.0 0.0 175.8

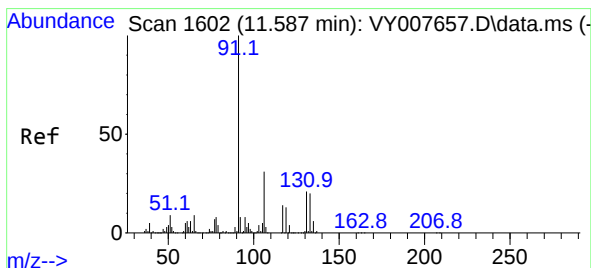
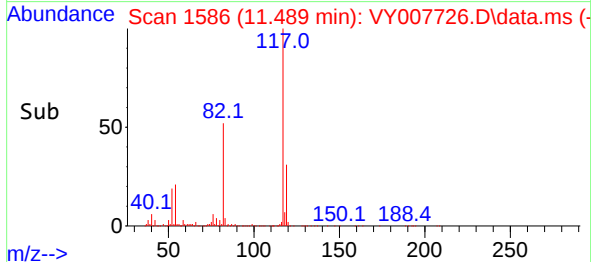
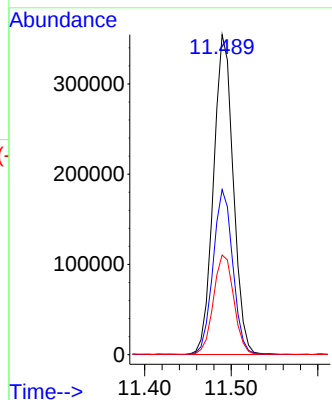
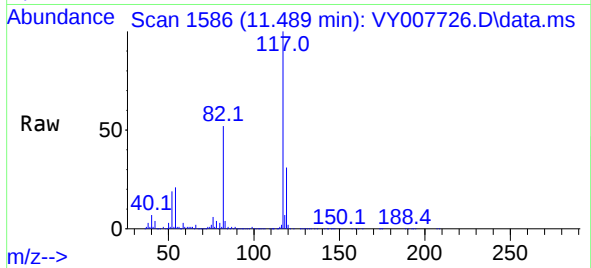




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

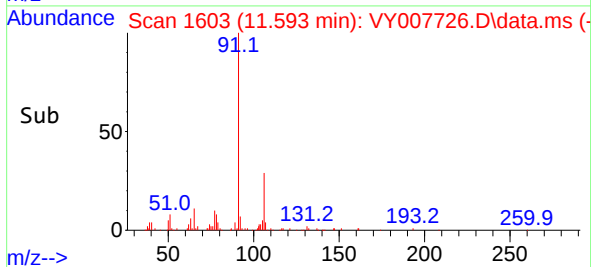
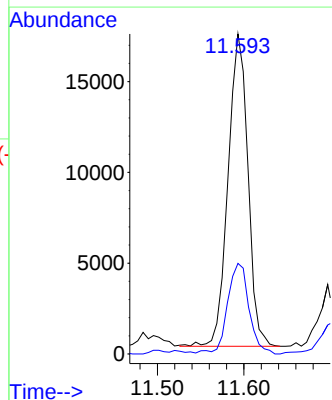
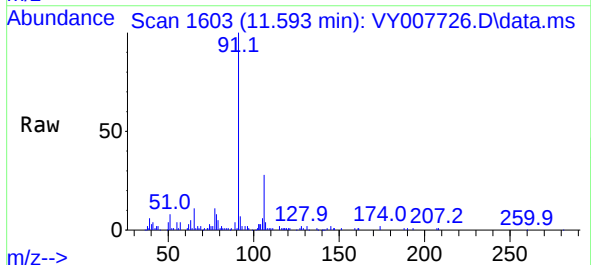
Instrument :
MSVOA_Y
ClientSampleId :
9-10-SAMPLE-LOCATION-5

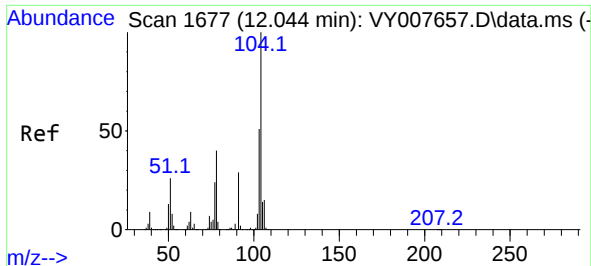
Tgt Ion:117 Resp: 561577
Ion Ratio Lower Upper
117 100
82 51.5 43.0 64.4
119 31.1 25.4 38.0



#67
Ethyl Benzene
Concen: 1.243 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion: 91 Resp: 27424
Ion Ratio Lower Upper
91 100
106 29.0 24.5 36.7

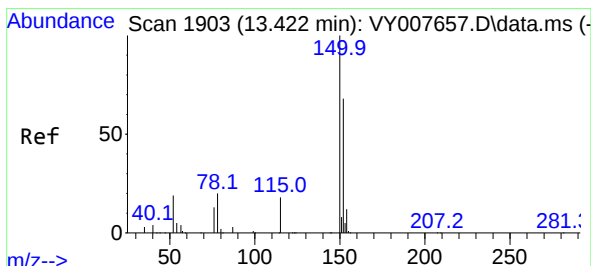
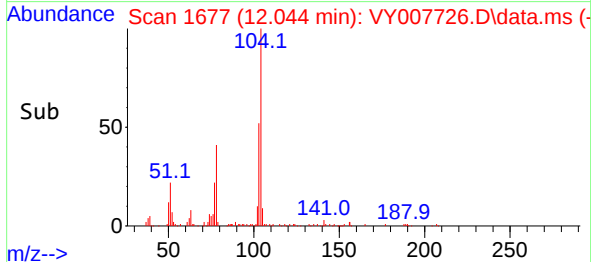
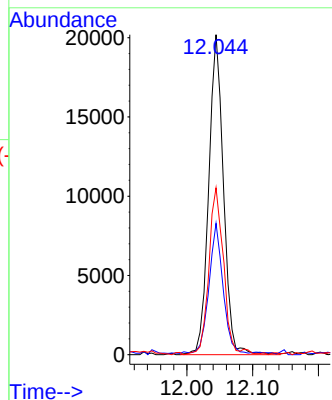
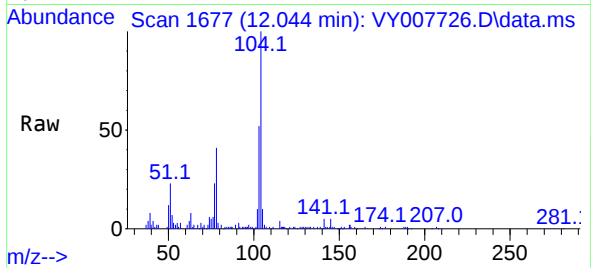




#70
Styrene
Concen: 2.349 ug/l
RT: 12.044 min Scan# 104
Delta R.T. 0.000 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

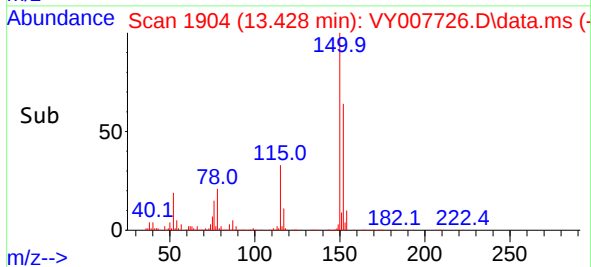
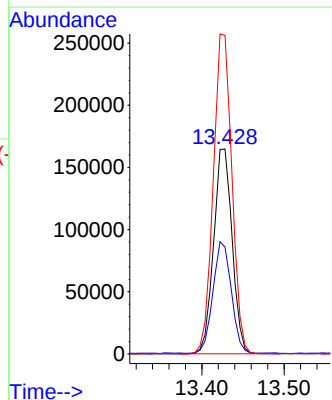
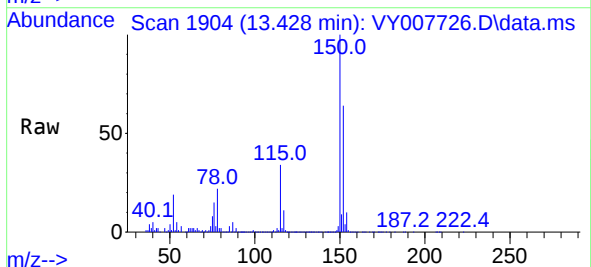
Instrument :
MSVOA_Y
ClientSampleId :
9-10-SAMPLE-LOCATION-5

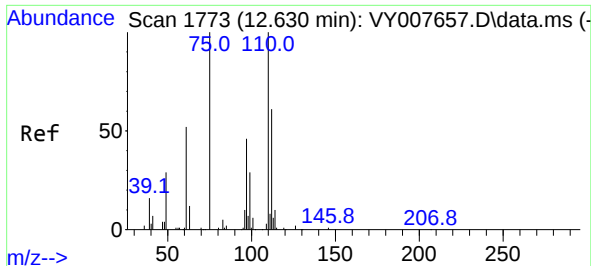
Tgt Ion:104 Resp: 31554
Ion Ratio Lower Upper
104 100
78 38.2 42.4 63.6#
103 51.2 44.4 66.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion:152 Resp: 258415
Ion Ratio Lower Upper
152 100
115 53.9 28.2 84.7
150 156.7 0.0 347.6

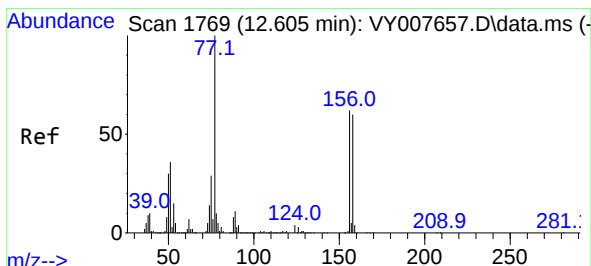
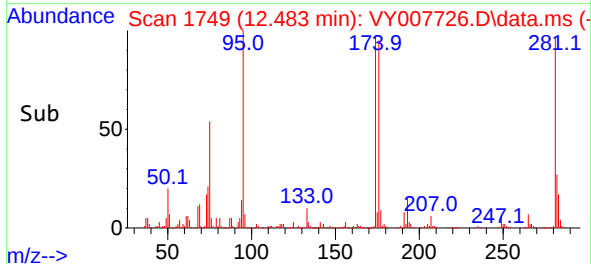
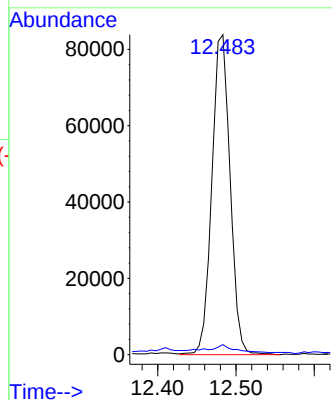
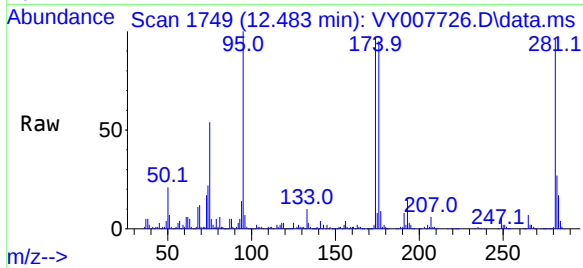




#76
1,2,3-Trichloropropane
Concen: 46.985 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.147 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

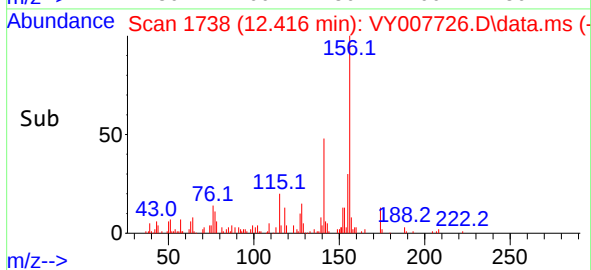
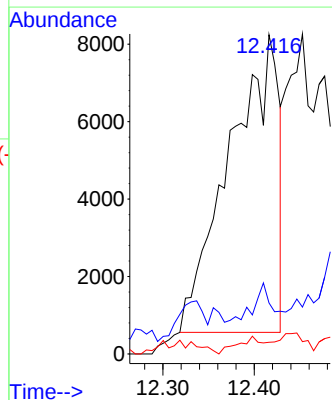
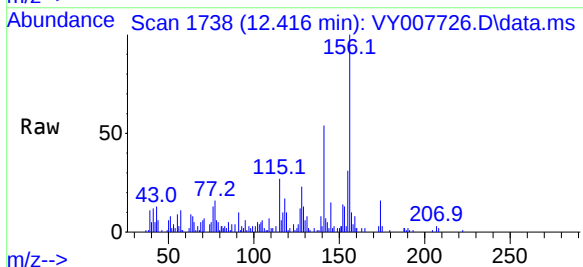
Instrument :
MSVOA_Y
ClientSampleId :
9-10-SAMPLE-LOCATION-5

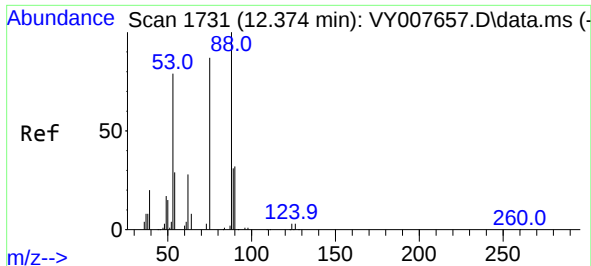
Tgt Ion: 75 Resp: 135592
Ion Ratio Lower Upper
75 100
77 3.6 0.0 0.0#



#77
Bromobenzene
Concen: 6.203 ug/l
RT: 12.416 min Scan# 1738
Delta R.T. -0.189 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion:156 Resp: 28764
Ion Ratio Lower Upper
156 100
77 6.7 95.5 286.4#
158 2.8 48.0 144.0#

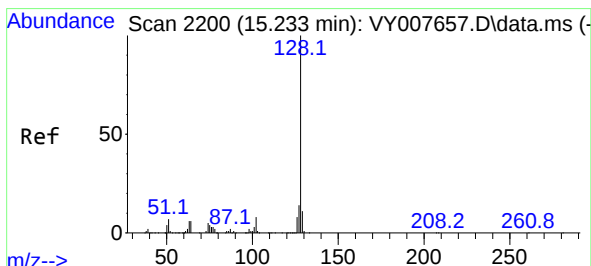
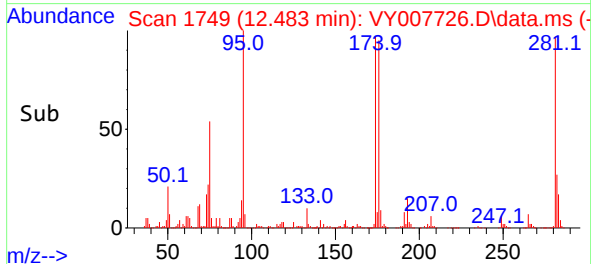
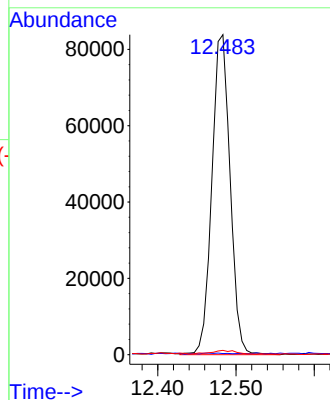
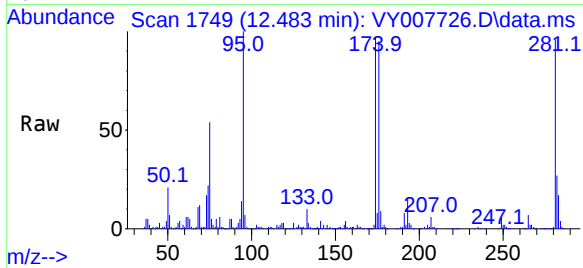




#81
trans-1,4-Dichloro-2-butene
Concen: 96.054 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Instrument :
MSVOA_Y
ClientSampleId :
9-10-SAMPLE-LOCATION-5

Tgt Ion: 75 Resp: 135592
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 1.7 37.0 55.4#



#95
Naphthalene
Concen: 1.645 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY007726.D
Acq: 04 Mar 2022 00:57

Tgt Ion:128 Resp: 17358
Ion Ratio Lower Upper
128 100
127 18.5 11.0 16.4#
129 8.6 8.4 12.6

