

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040122\
 Data File : VY008161.D
 Acq On : 01 Apr 2022 15:17
 Operator : SY/MD
 Sample : N2220-04
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A11105

Quant Time: Apr 02 03:57:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

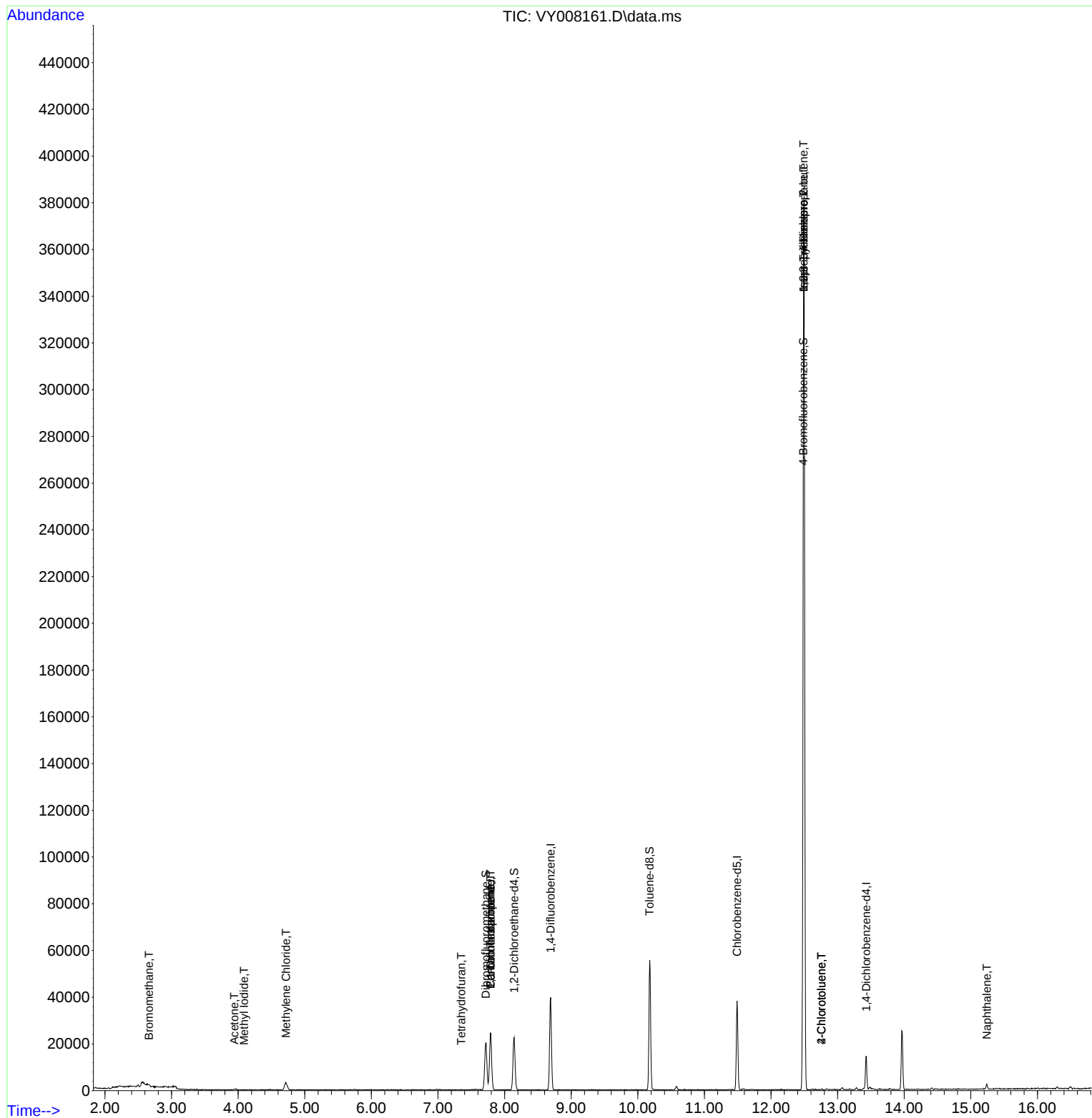
Internal Standards						
1) Pentafluorobenzene	7.789	168	19425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	35695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	21287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	17275	88.639	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 177.280%#	
35) Dibromofluoromethane	7.716	113	14531	64.929	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.860%	
50) Toluene-d8	10.179	98	39283	46.590	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.180%	
62) 4-Bromofluorobenzene	12.483	95	5813	19.541	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 39.080%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	254	1.092	ug/l #	72
10) Methyl Iodide	4.088	142	132	2.188	ug/l #	35
16) Acetone	3.942	43	657	14.749	ug/l #	47
18) Methyl Acetate	4.478	43	260	Below Cal	#	56
20) Methylene Chloride	4.716	84	2521	7.087	ug/l #	76
29) Tetrahydrofuran	7.350	42	52	1.180	ug/l #	38
36) 1,1-Dichloropropene	7.789	75	1394	3.965	ug/l #	44
38) Carbon Tetrachloride	7.789	117	2172	5.669	ug/l #	18
73) Isopropylbenzene	12.489	105	1102	3.650	ug/l #	59
76) 1,2,3-Trichloropropane	12.489	75	6237	139.871	ug/l #	100
79) 2-Chlorotoluene	12.757	91	251	1.270	ug/l	84
81) trans-1,4-Dichloro-2-b...	12.489	75	6237	312.073	ug/l #	17
82) 4-Chlorotoluene	12.757	91	251	1.238	ug/l	83
95) Naphthalene	15.239	128	1899	11.864	ug/l #	92

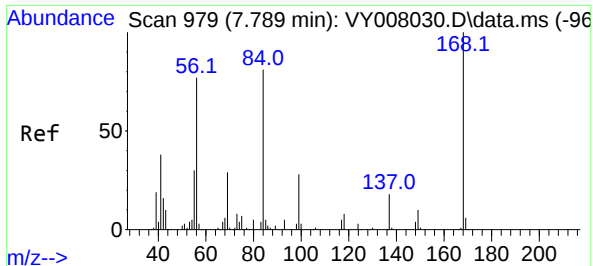
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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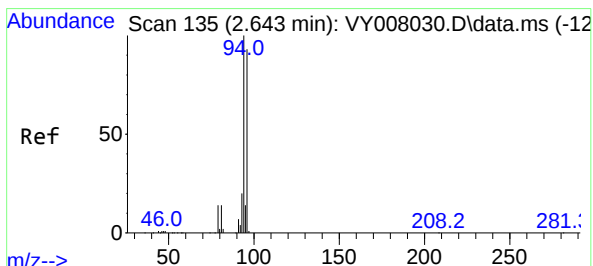
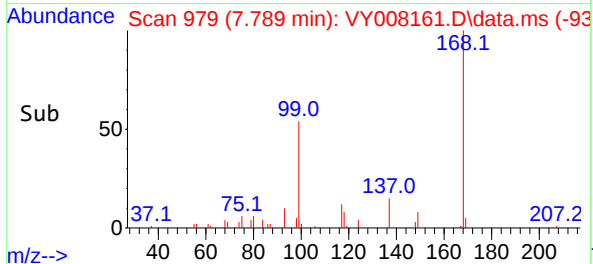
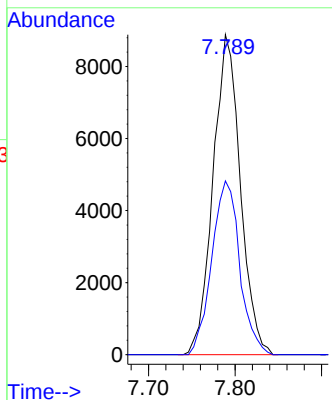
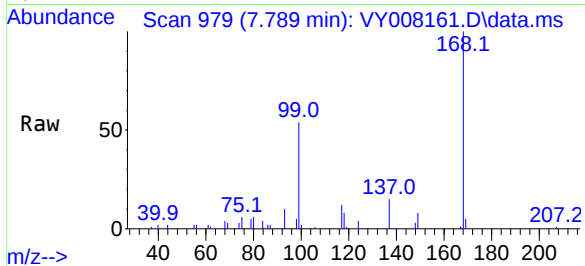




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

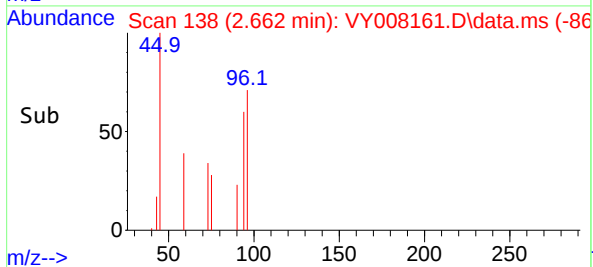
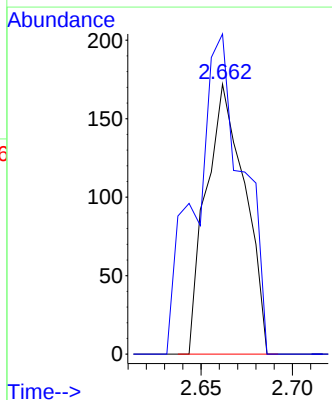
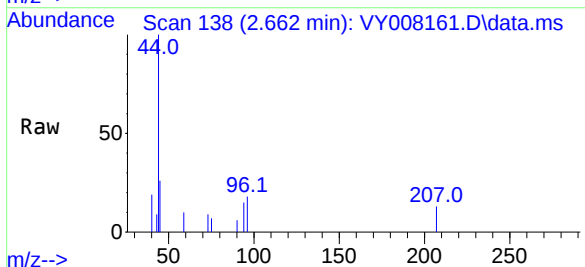
Instrument :
MSVOA_Y
ClientSampleId :
A11105

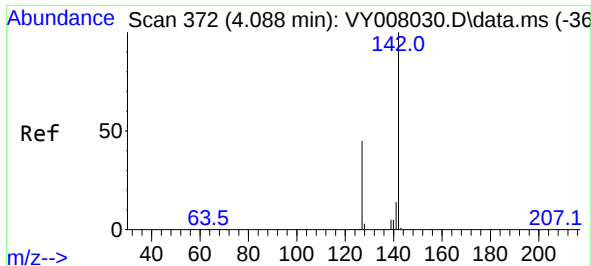
Tgt Ion:168 Resp: 19425
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#5
Bromomethane
Concen: 1.092 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.019 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

Tgt Ion: 94 Resp: 254
Ion Ratio Lower Upper
94 100
96 118.6 73.5 110.3#

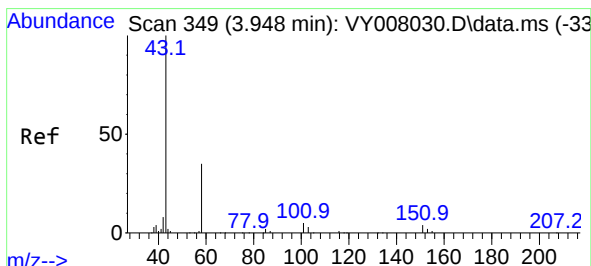
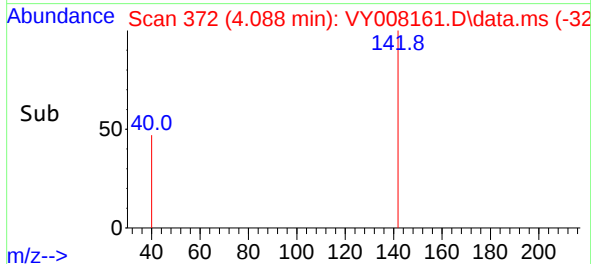
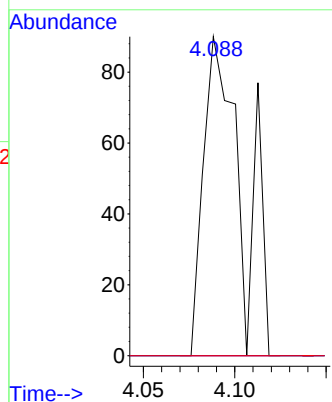
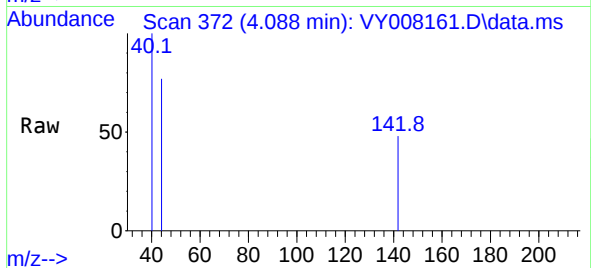




#10
Methyl Iodide
Concen: 2.188 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

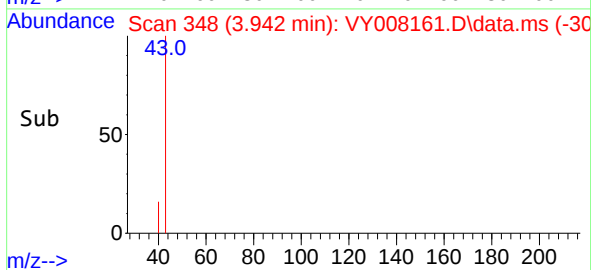
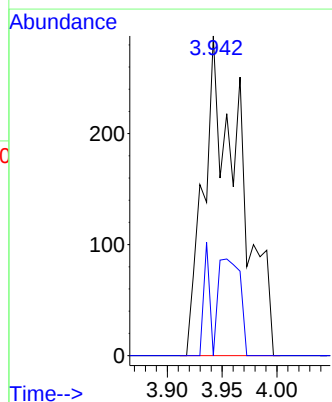
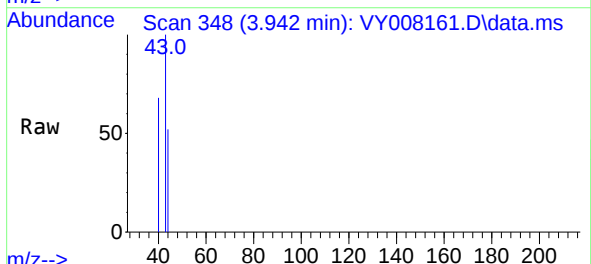
Instrument :
MSVOA_Y
ClientSampleId :
A11105

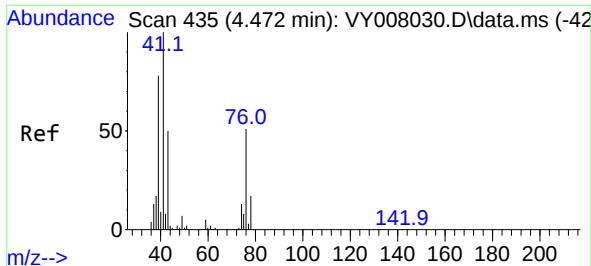
Tgt Ion:142 Resp: 132
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#16
Acetone
Concen: 14.749 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

Tgt Ion: 43 Resp: 657
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

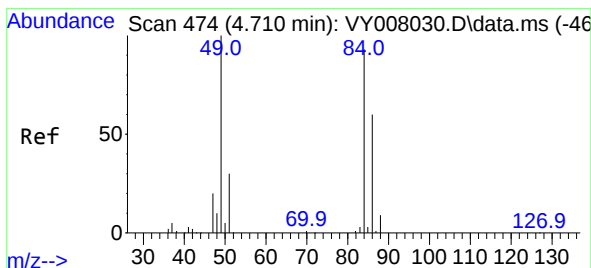
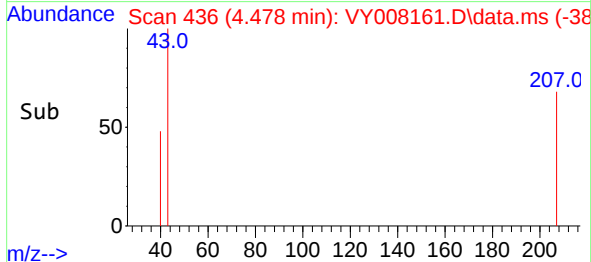
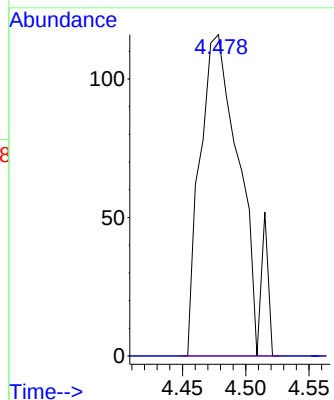
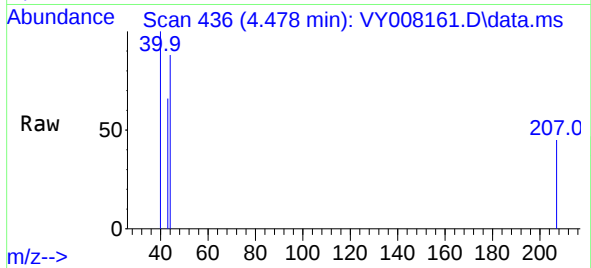




#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

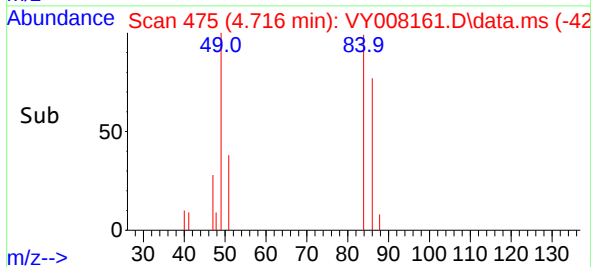
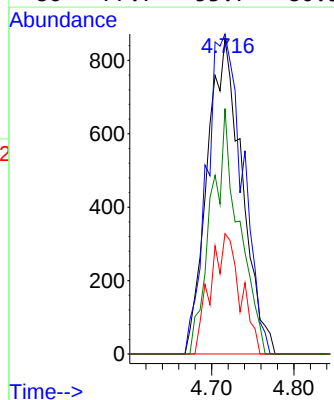
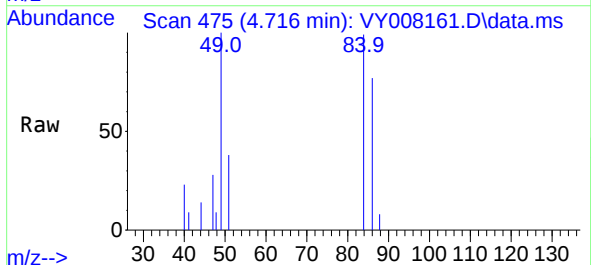
Instrument :
MSVOA_Y
ClientSampleId :
A11105

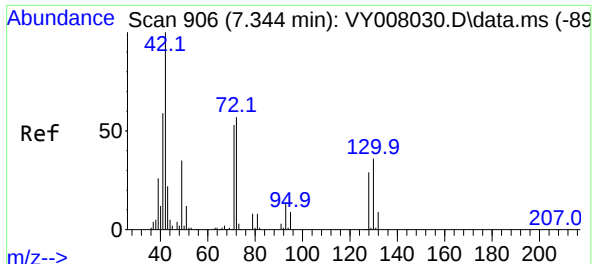
Tgt Ion: 43 Resp: 260
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 7.087 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

Tgt Ion: 84 Resp: 2521
Ion Ratio Lower Upper
84 100
49 101.3 114.4 171.6#
51 38.1 35.3 52.9
86 77.7 53.7 80.5

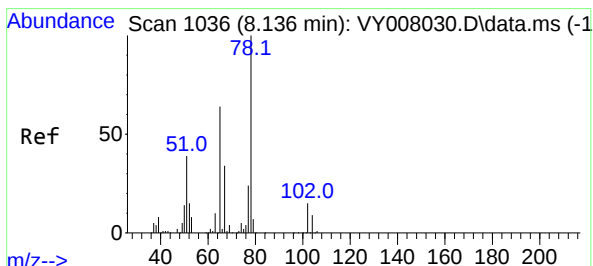
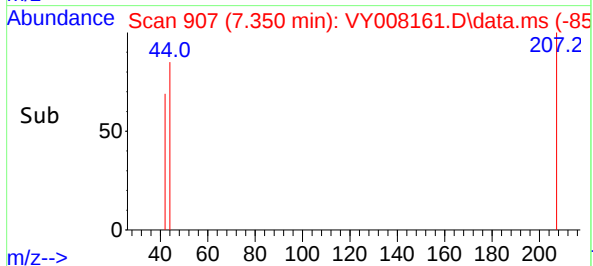
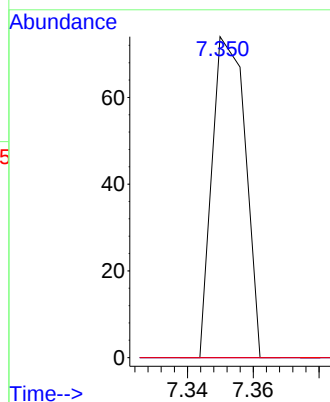
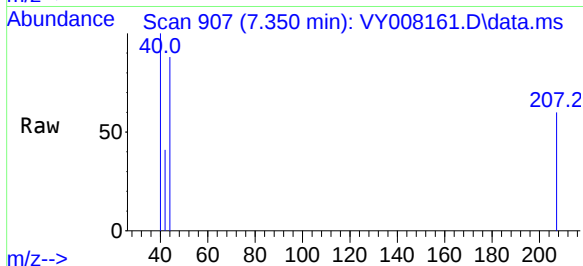




#29
Tetrahydrofuran
Concen: 1.180 ug/l
RT: 7.350 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

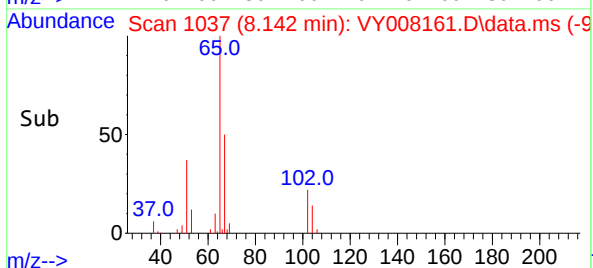
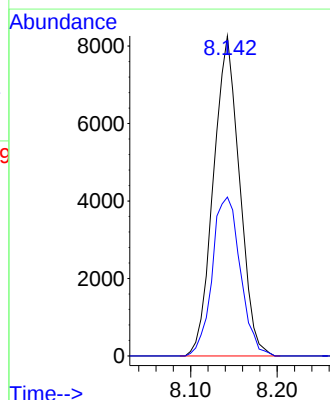
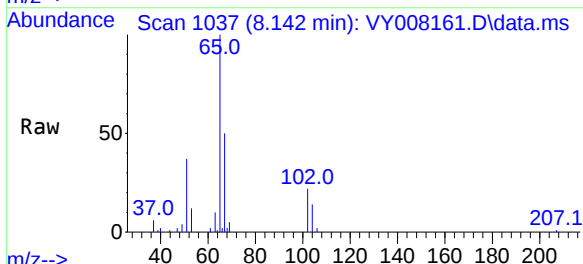
Instrument :
MSVOA_Y
ClientSampleId :
A11105

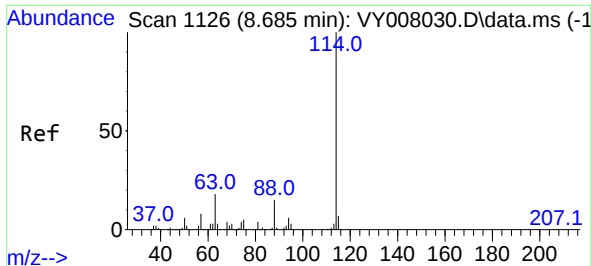
Tgt Ion:	42	Resp:	52
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.3	45.5#
71	0.0	29.0	43.4#



#33
1,2-Dichloroethane-d4
Concen: 88.639 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

Tgt Ion:	65	Resp:	17275
Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY008161.D

Acq: 01 Apr 2022 15:17

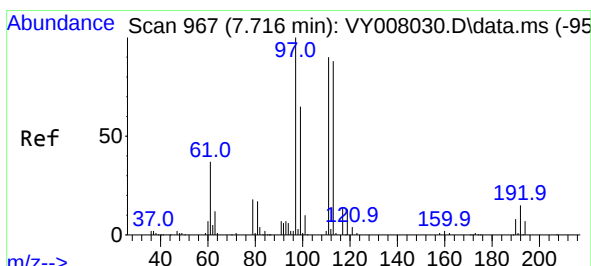
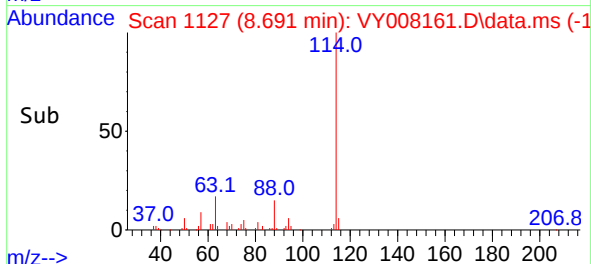
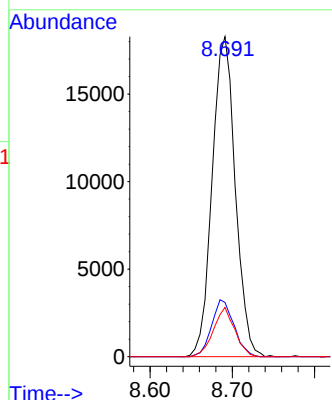
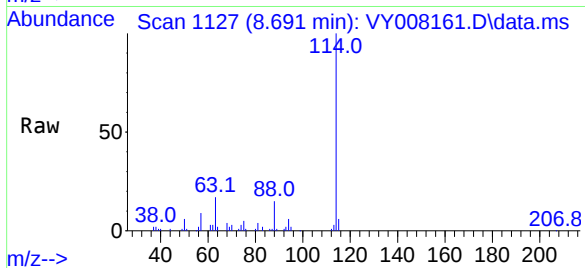
Instrument :

MSVOA_Y

ClientSampleId :

A11105

Tgt Ion:	114	Resp:	35695
Ion	Ratio	Lower	Upper
114	100		
63	16.9	0.0	43.2
88	15.4	0.0	31.8



#35

Dibromofluoromethane

Concen: 64.929 ug/l

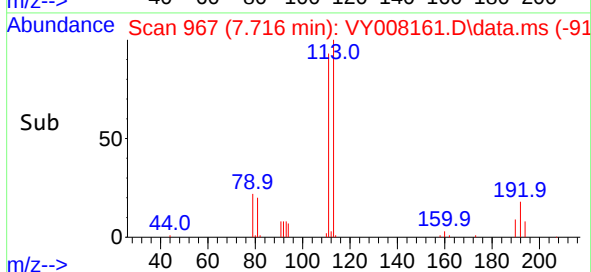
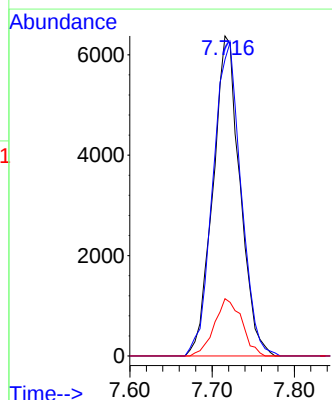
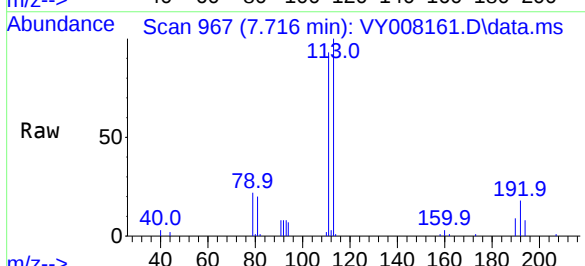
RT: 7.716 min Scan# 967

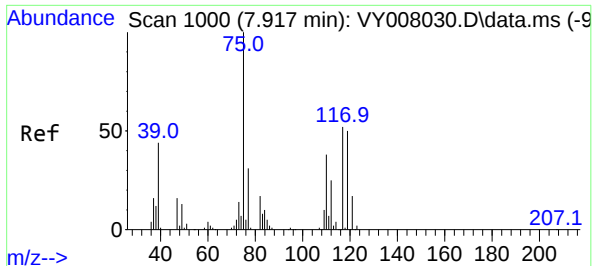
Delta R.T. -0.000 min

Lab File: VY008161.D

Acq: 01 Apr 2022 15:17

Tgt Ion:	113	Resp:	14531
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	124.0
192	18.2	17.6	26.4





#36

1,1-Dichloropropene

Concen: 3.965 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008161.D

Acq: 01 Apr 2022 15:17

Instrument :

MSVOA_Y

ClientSampleId :

A11105

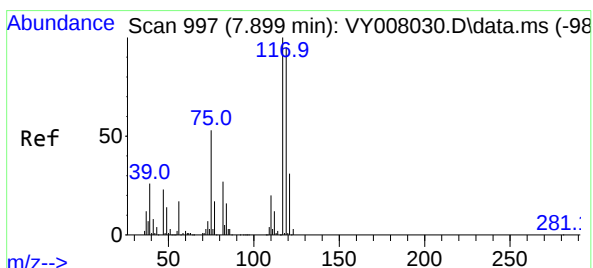
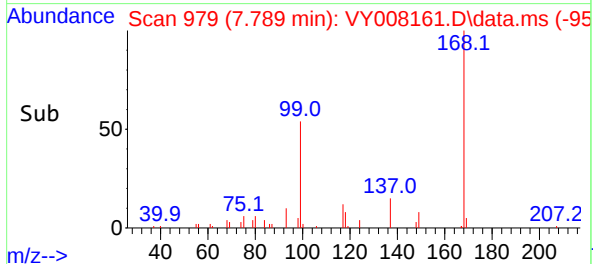
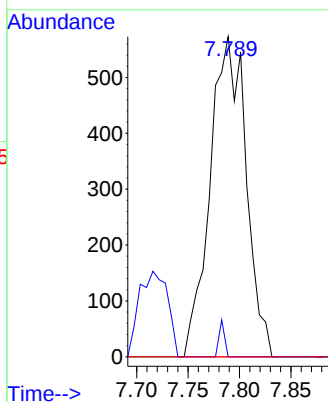
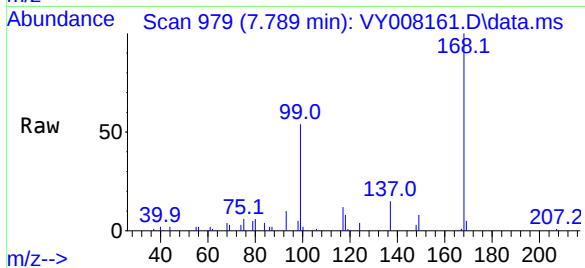
Tgt Ion: 75 Resp: 1394

Ion Ratio Lower Upper

75 100

110 1.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.669 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008161.D

Acq: 01 Apr 2022 15:17

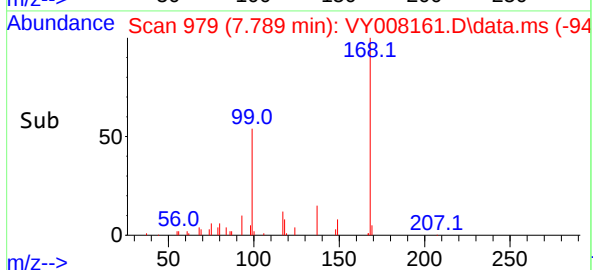
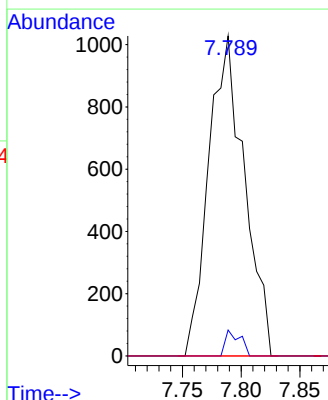
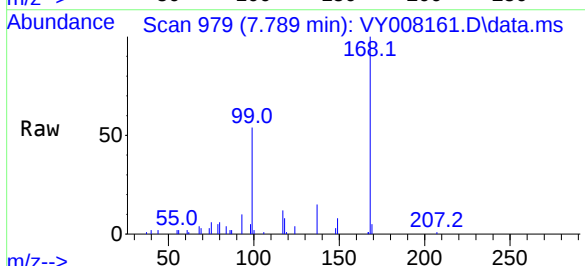
Tgt Ion: 117 Resp: 2172

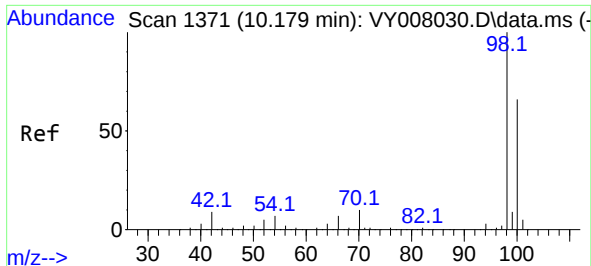
Ion Ratio Lower Upper

117 100

119 8.1 77.9 116.9#

121 0.0 24.8 37.2#

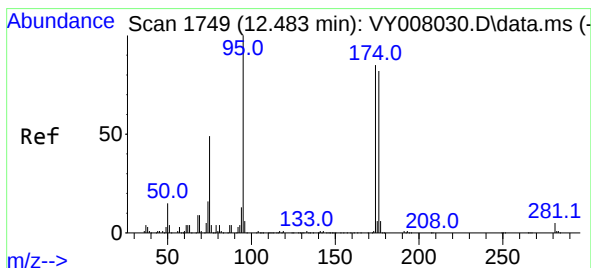
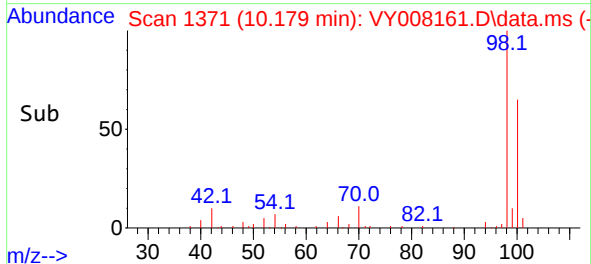
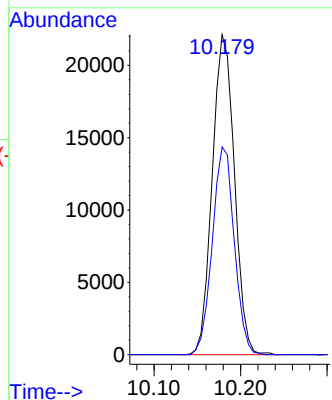
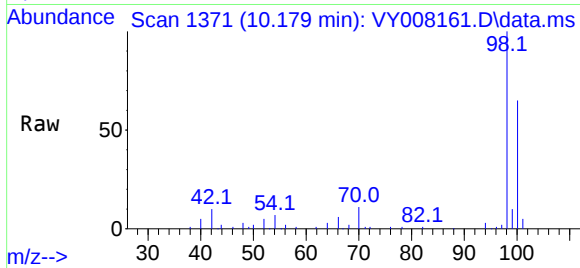




#50
Toluene-d8
Concen: 46.590 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

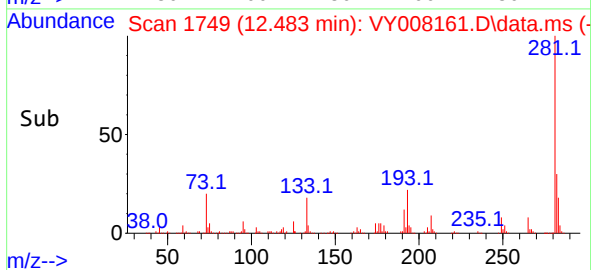
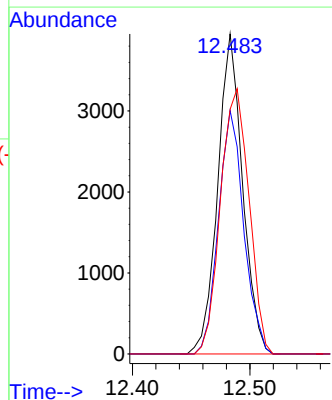
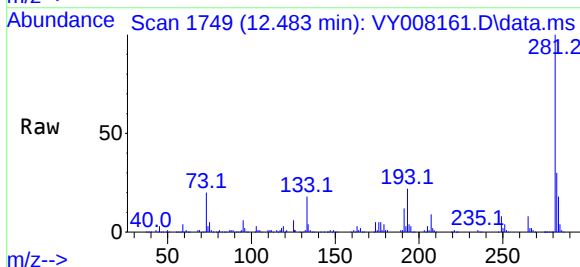
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MSVOA_Y
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A11105

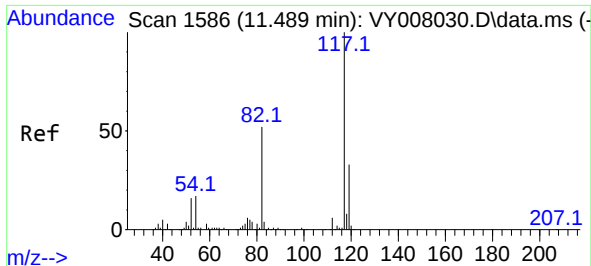
Tgt Ion: 98 Resp: 39283
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 19.541 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

Tgt Ion: 95 Resp: 5813
Ion Ratio Lower Upper
95 100
174 77.3 0.0 177.0
176 95.0 0.0 175.8

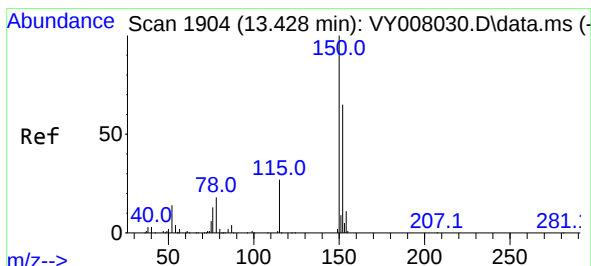
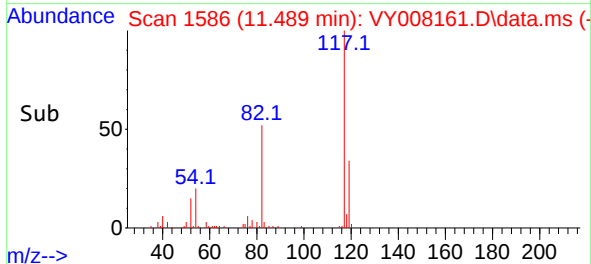
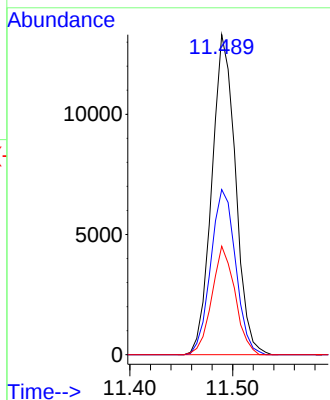
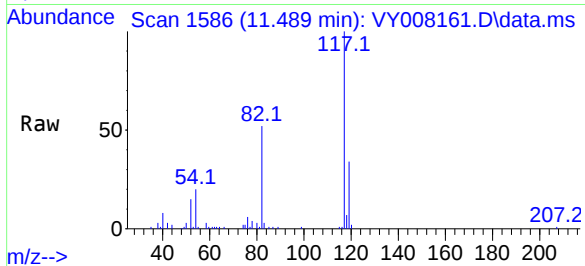




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

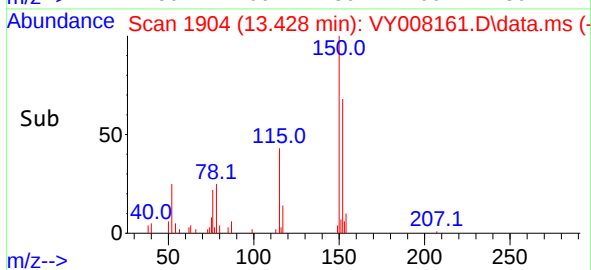
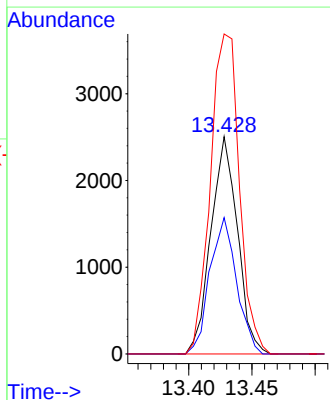
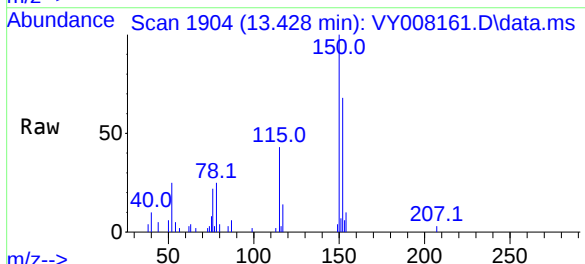
Instrument :
MSVOA_Y
ClientSampleId :
A11105

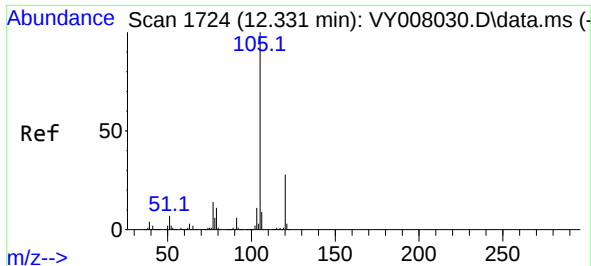
Tgt Ion:117 Resp: 21287
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.4
119 33.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

Tgt Ion:152 Resp: 3658
Ion Ratio Lower Upper
152 100
115 63.3 28.2 84.7
150 160.6 0.0 347.6

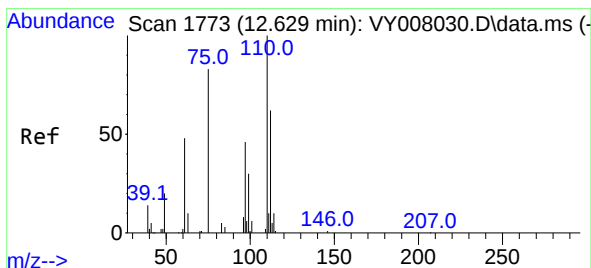
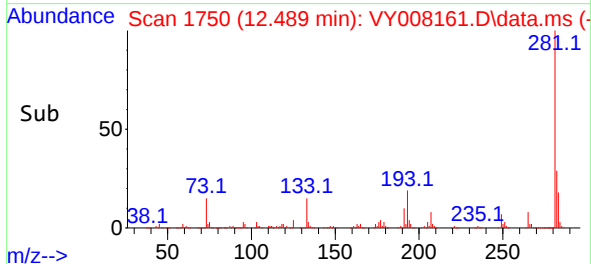
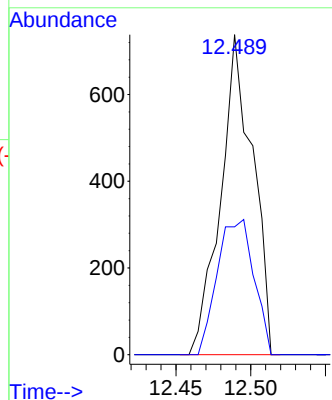
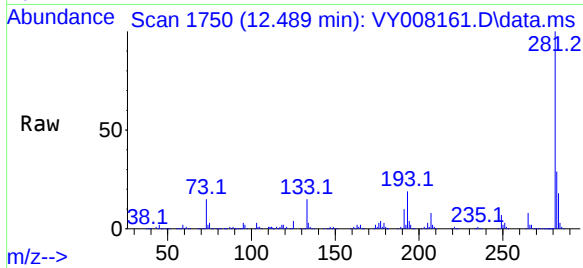




#73
Isopropylbenzene
Concen: 3.650 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.158 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

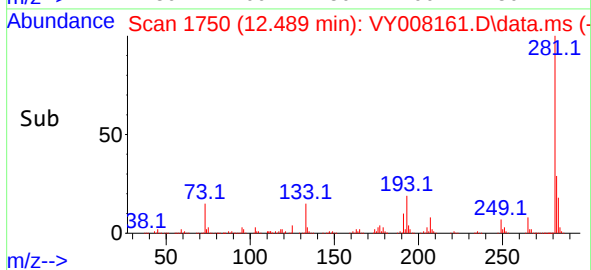
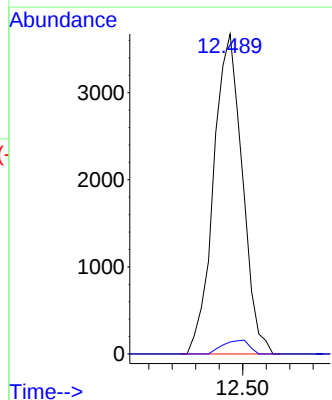
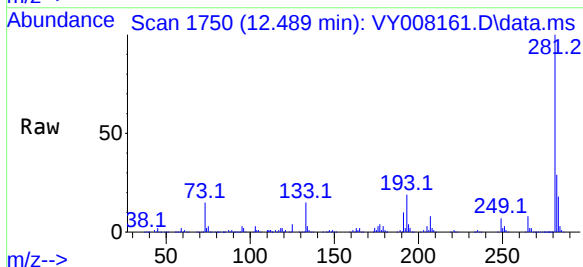
Instrument :
MSVOA_Y
ClientSampleId :
A11105

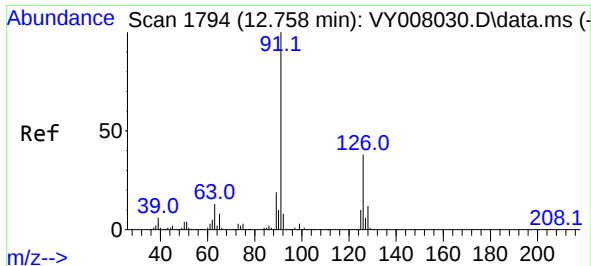
Tgt Ion:105 Resp: 1102
Ion Ratio Lower Upper
105 100
120 48.2 13.4 40.2#



#76
1,2,3-Trichloropropane
Concen: 139.871 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

Tgt Ion: 75 Resp: 6237
Ion Ratio Lower Upper
75 100
77 3.9 0.0 0.0#

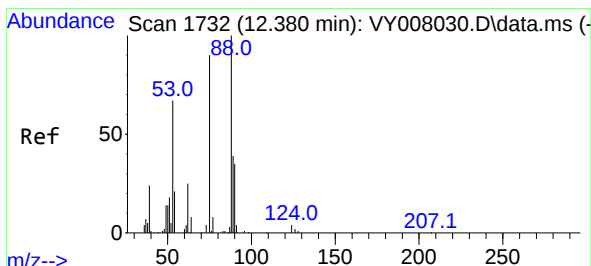
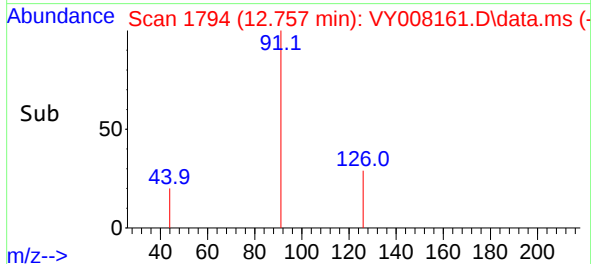
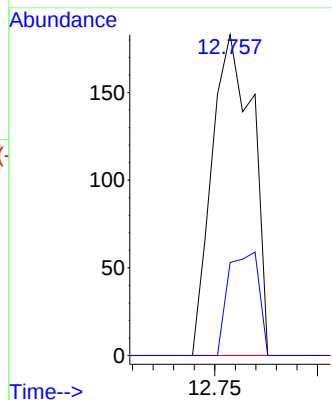
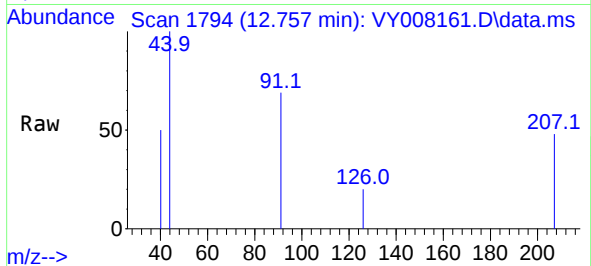




#79
2-Chlorotoluene
Concen: 1.270 ug/l
RT: 12.757 min Scan# 1750
Delta R.T. -0.001 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

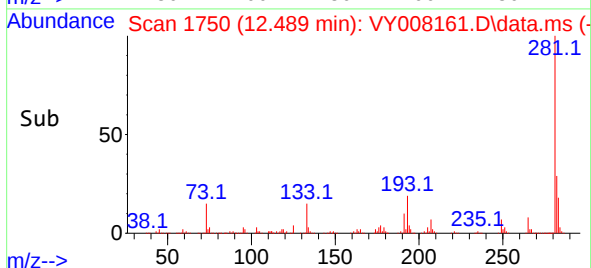
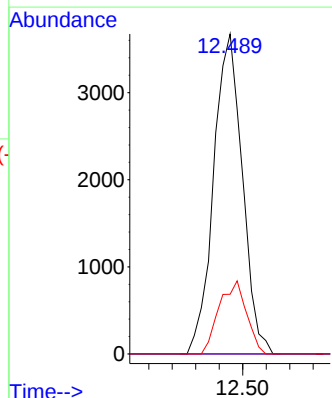
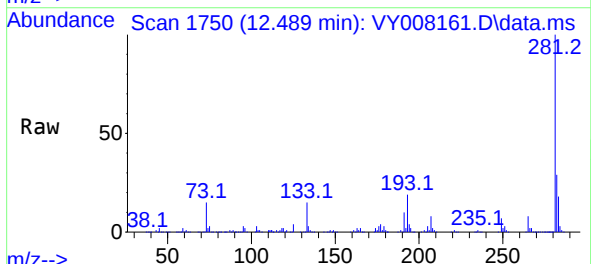
Instrument :
MSVOA_Y
ClientSampleId :
A11105

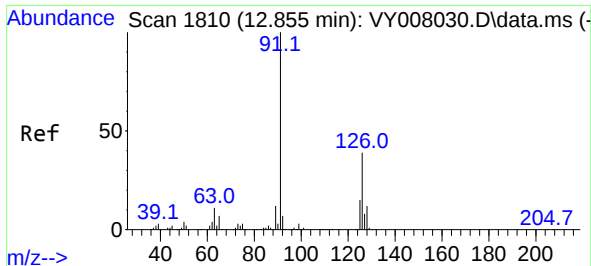
Tgt Ion: 91 Resp: 251
Ion Ratio Lower Upper
91 100
126 24.3 16.9 50.6



#81
trans-1,4-Dichloro-2-butene
Concen: 312.073 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.109 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

Tgt Ion: 75 Resp: 6237
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 21.7 37.0 55.4#

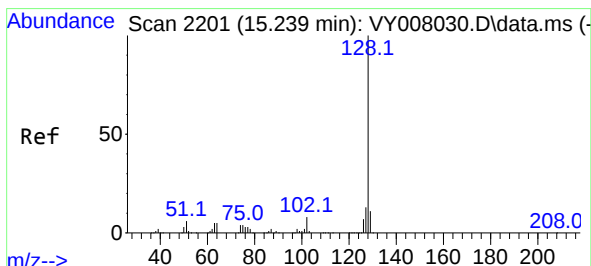
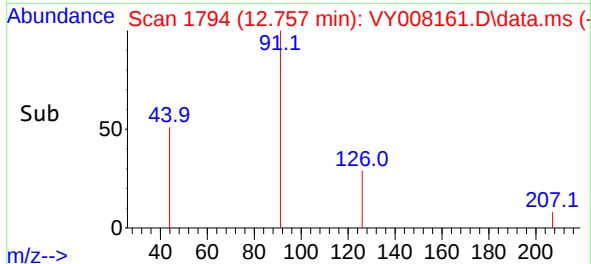
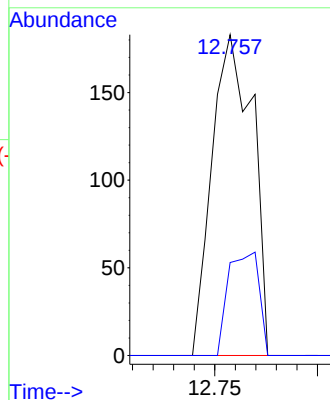
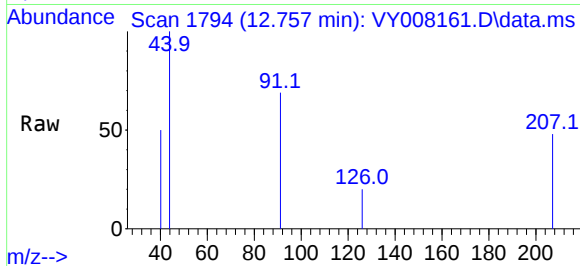




#82
4-Chlorotoluene
Concen: 1.238 ug/l
RT: 12.757 min Scan# 11
Delta R.T. -0.098 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

Instrument :
MSVOA_Y
ClientSampleId :
A11105

Tgt Ion: 91 Resp: 251
Ion Ratio Lower Upper
91 100
126 24.3 17.0 51.0



#95
Naphthalene
Concen: 11.864 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY008161.D
Acq: 01 Apr 2022 15:17

Tgt Ion: 128 Resp: 1899
Ion Ratio Lower Upper
128 100
127 11.0 11.0 16.4#
129 7.0 8.4 12.6#

