

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110321\
 Data File : VY006611.D
 Acq On : 03 Nov 2021 19:05
 Operator : SY/MD
 Sample : M4475-03
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB02A

Quant Time: Nov 03 21:23:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

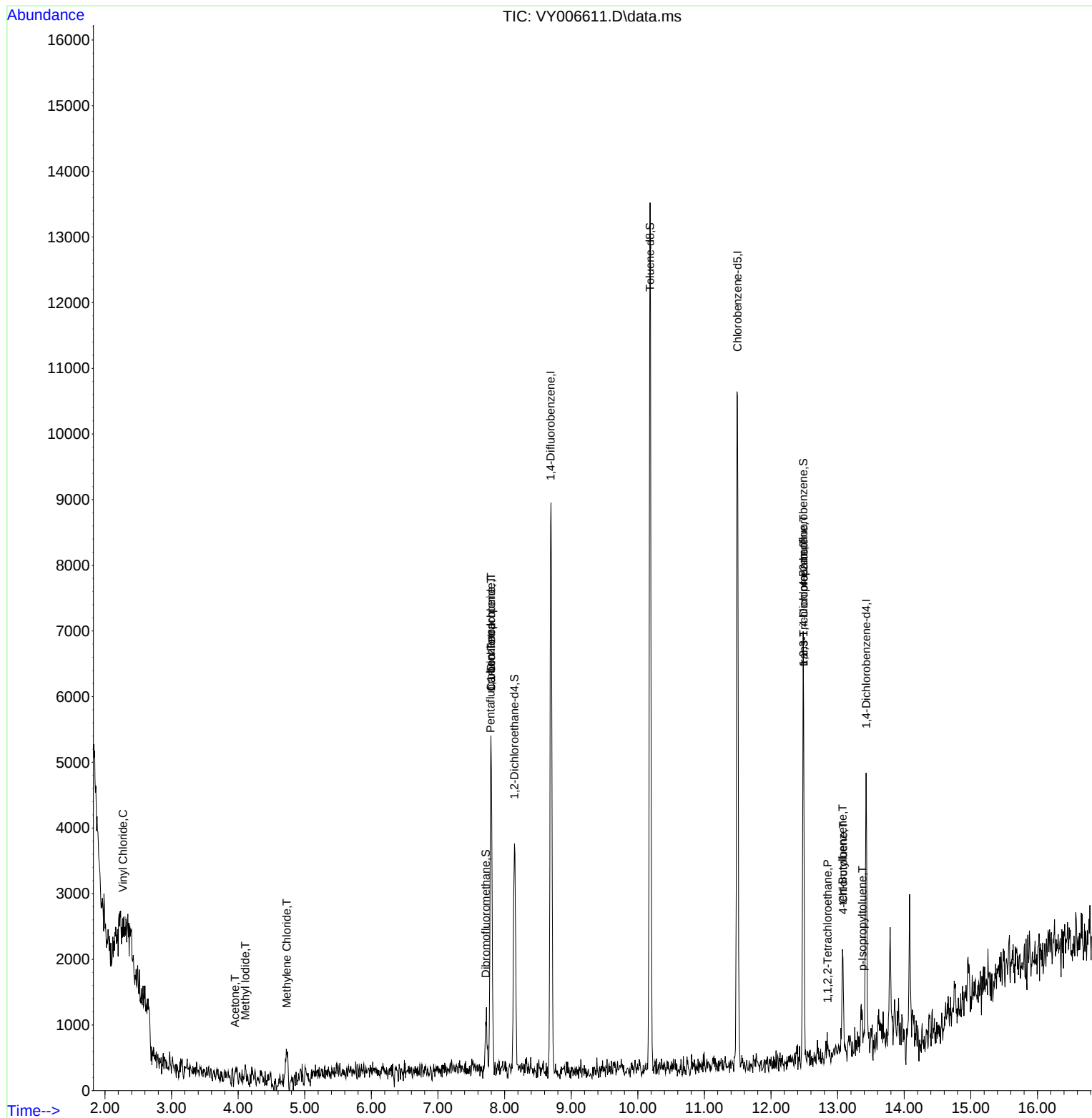
Internal Standards						
1) Pentafluorobenzene	7.789	168	3981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	6972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	5676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2840	57.972	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.940%	
35) Dibromofluoromethane	7.716	113	623	16.032	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 32.060%#	
50) Toluene-d8	10.185	98	8670	52.631	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.260%	
62) 4-Bromofluorobenzene	12.483	95	1851	33.356	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 66.720%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.272	62	120	2.163	ug/l #	44
10) Methyl Iodide	4.107	142	213	9.942	ug/l #	36
16) Acetone	3.954	43	161	11.413	ug/l #	46
20) Methylene Chloride	4.728	84	344	4.163	ug/l #	49
36) 1,1-Dichloropropene	7.795	75	323	4.689	ug/l #	42
38) Carbon Tetrachloride	7.795	117	407	5.356	ug/l #	12
75) 1,1,2,2-Tetrachloroethane	12.849	83	23	1.999	ug/l #	26
76) 1,2,3-Trichloropropane	12.489	75	993	101.435	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	993	208.243	ug/l #	7
82) 4-Chlorotoluene	13.081	91	463	9.773	ug/l #	41
83) tert-Butylbenzene	13.075	119	714	14.932	ug/l	95
86) p-Isopropyltoluene	13.373	119	69	1.126	ug/l #	50

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

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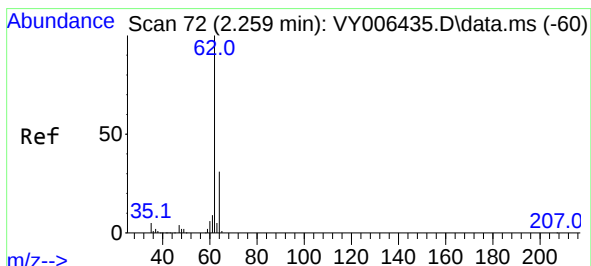
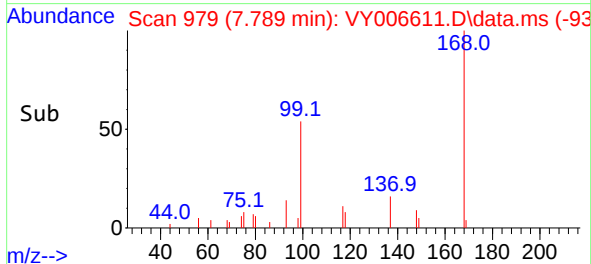
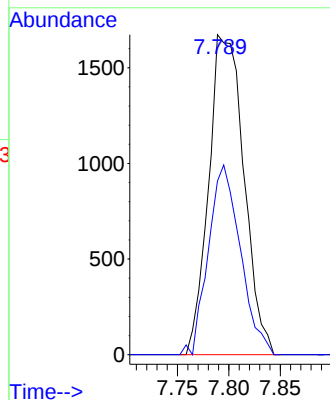
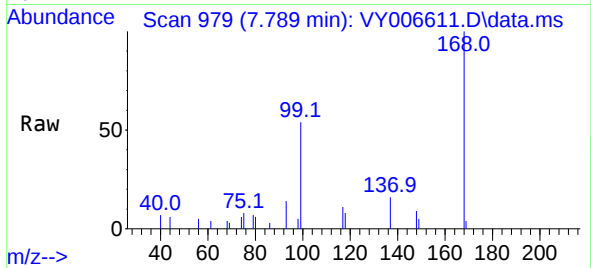




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

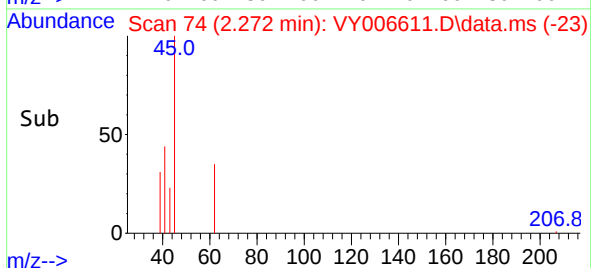
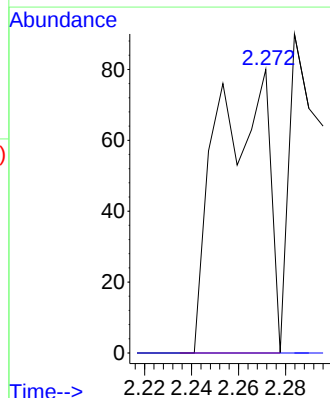
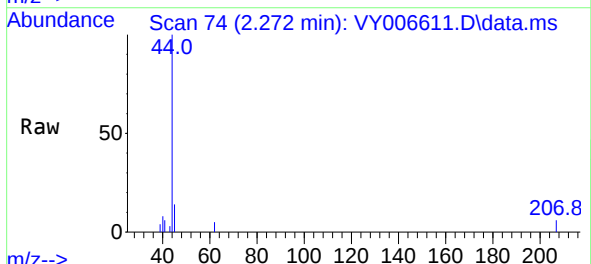
Instrument :
MSVOA_Y
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SB02A

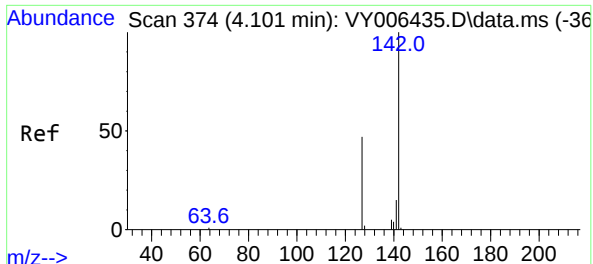
Tgt Ion:168 Resp: 3981
Ion Ratio Lower Upper
168 100
99 54.3 44.8 67.2



#4
Vinyl Chloride
Concen: 2.163 ug/l
RT: 2.272 min Scan# 74
Delta R.T. 0.012 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

Tgt Ion: 62 Resp: 120
Ion Ratio Lower Upper
62 100
64 0.0 24.7 37.1#

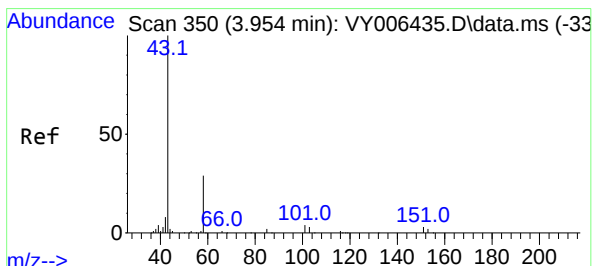
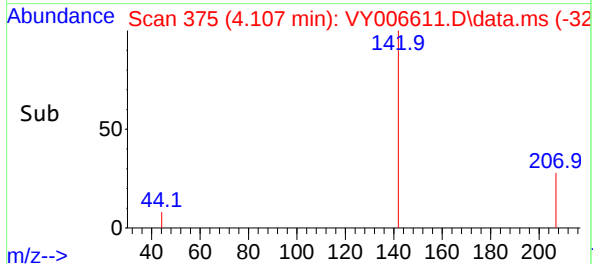
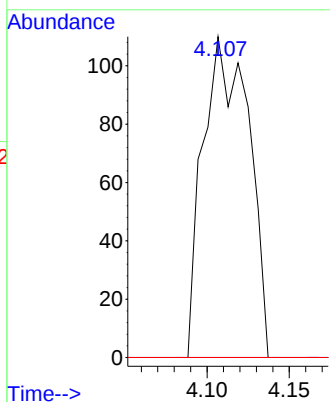
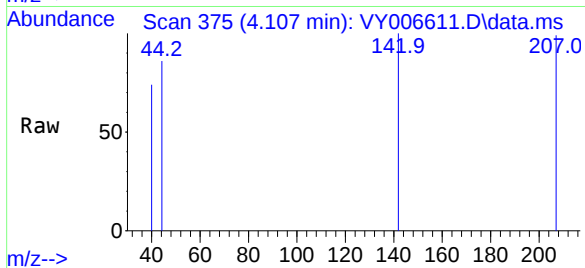




#10
Methyl Iodide
Concen: 9.942 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

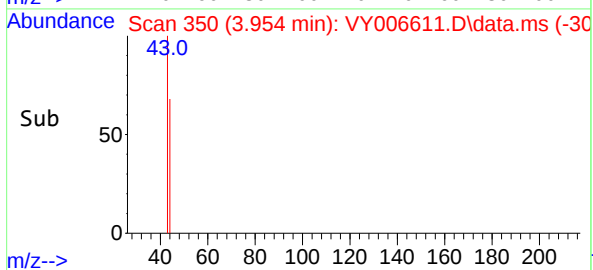
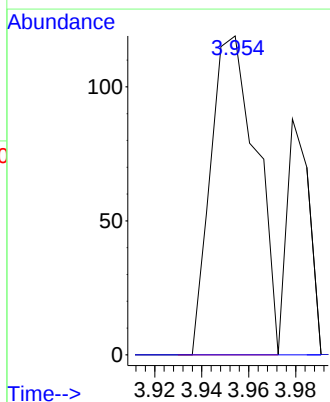
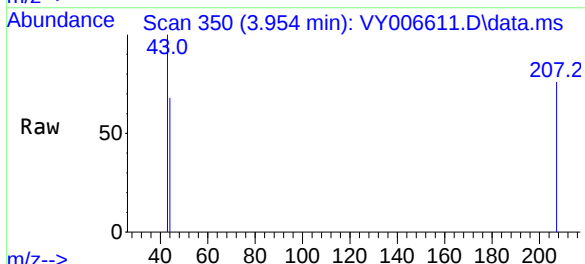
Instrument :
MSVOA_Y
ClientSampleId :
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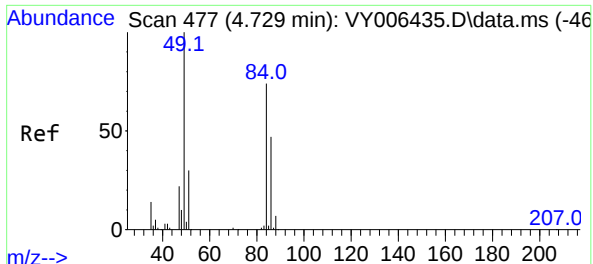
Tgt Ion:142 Resp: 213
Ion Ratio Lower Upper
142 100
127 0.0 40.1 60.1#
141 0.0 12.5 18.7#



#16
Acetone
Concen: 11.413 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

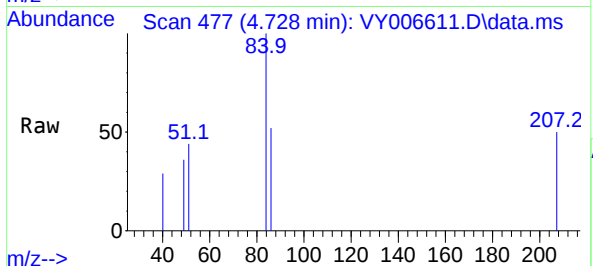
Tgt Ion: 43 Resp: 161
Ion Ratio Lower Upper
43 100
58 0.0 22.9 34.3#



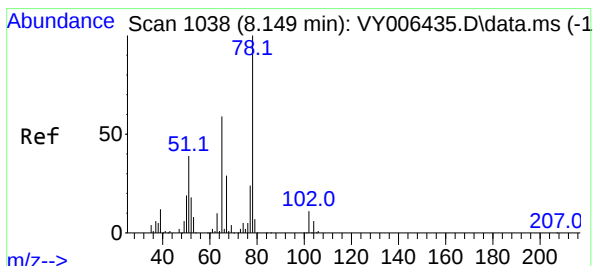
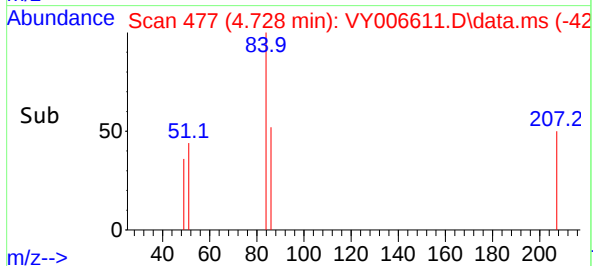
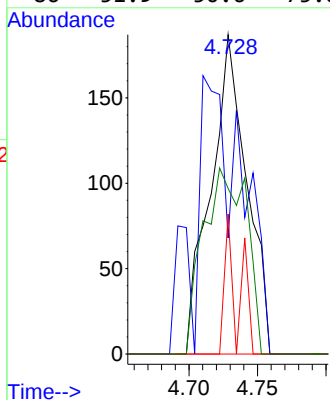


#20
Methylene Chloride
Concen: 4.163 ug/l
RT: 4.728 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

Instrument :
MSVOA_Y
ClientSampleId :
SB02A

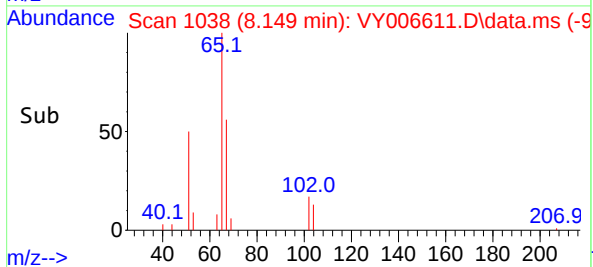
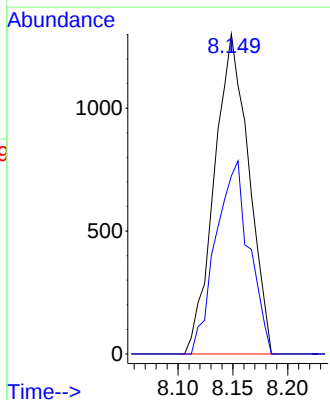
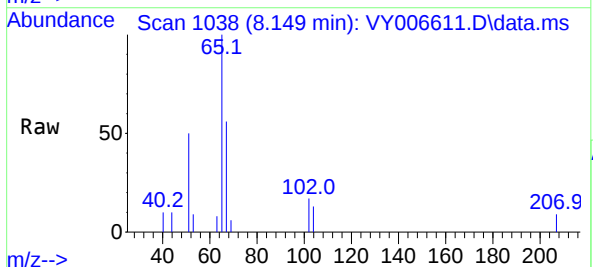


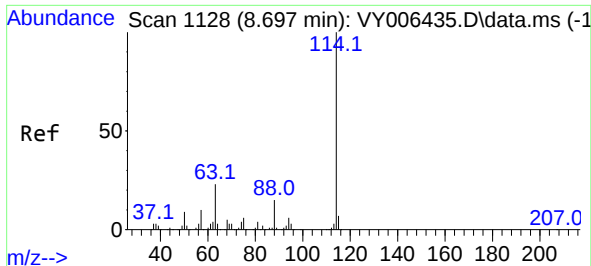
Tgt Ion: 84 Resp: 344
Ion Ratio Lower Upper
84 100
49 36.4 107.8 161.8#
51 43.9 32.8 49.2
86 51.9 50.6 75.8



#33
1,2-Dichloroethane-d4
Concen: 57.972 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

Tgt Ion: 65 Resp: 2840
Ion Ratio Lower Upper
65 100
67 58.7 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY006611.D

Acq: 03 Nov 2021 19:05

Instrument :

MSVOA_Y

ClientSampleId :

SB02A

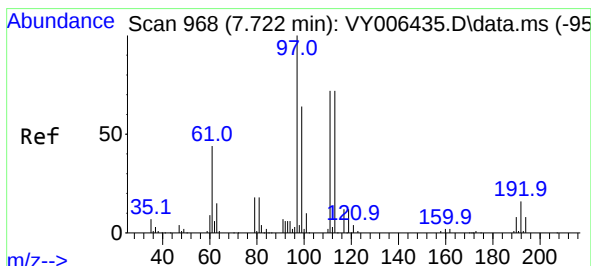
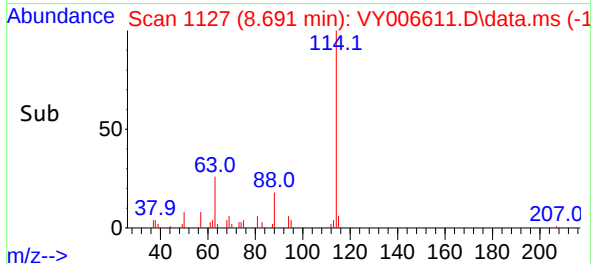
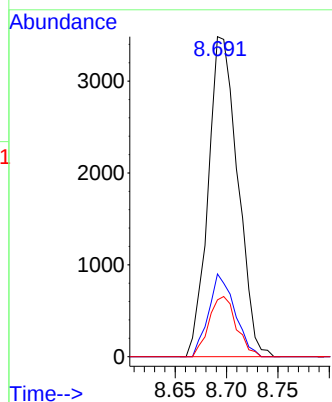
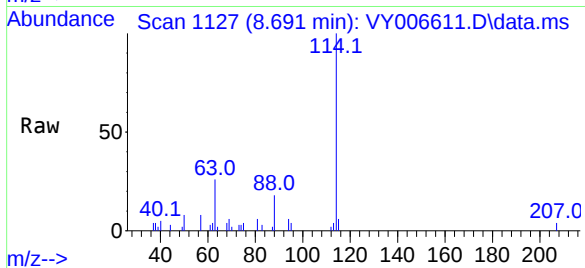
Tgt Ion:114 Resp: 6972

Ion Ratio Lower Upper

114 100

63 25.9 0.0 45.0

88 17.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 16.032 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY006611.D

Acq: 03 Nov 2021 19:05

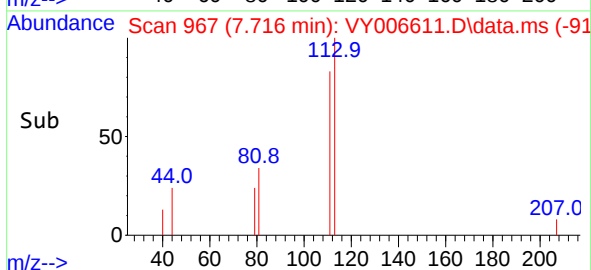
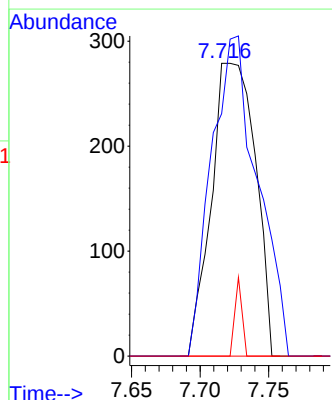
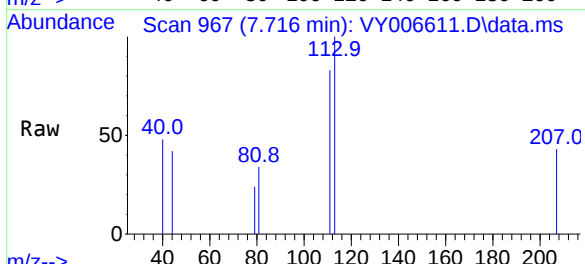
Tgt Ion:113 Resp: 623

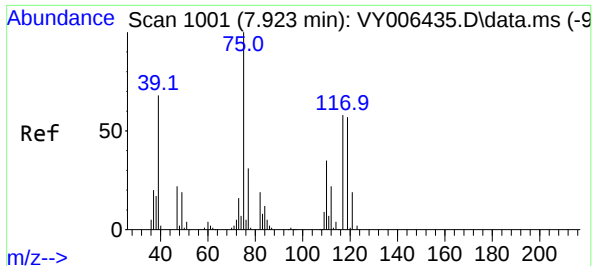
Ion Ratio Lower Upper

113 100

111 114.4 82.3 123.5

192 4.3 17.4 26.2#

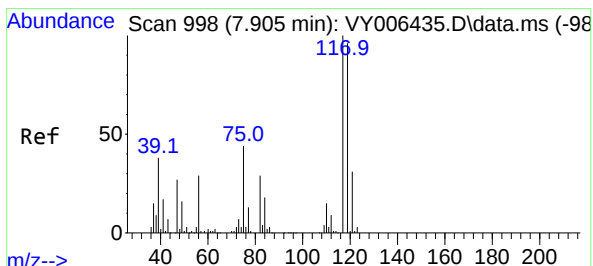
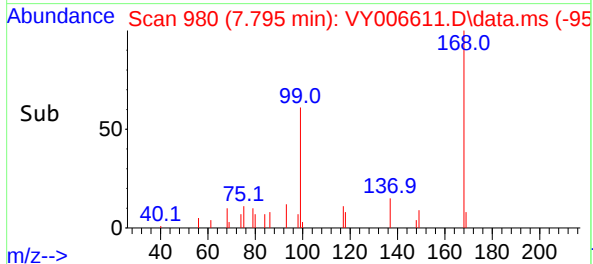
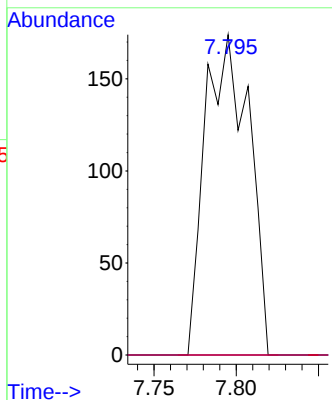
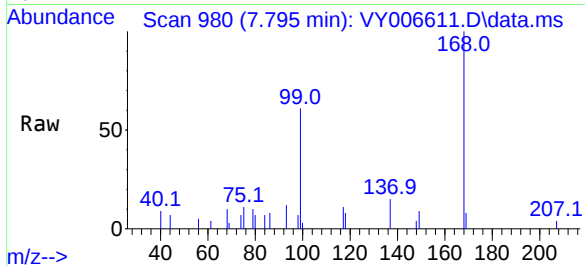




#36
1,1-Dichloropropene
Concen: 4.689 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

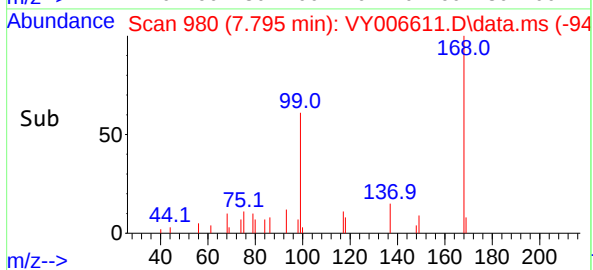
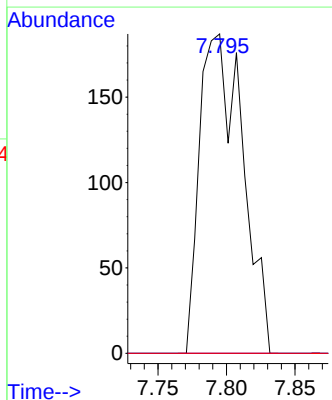
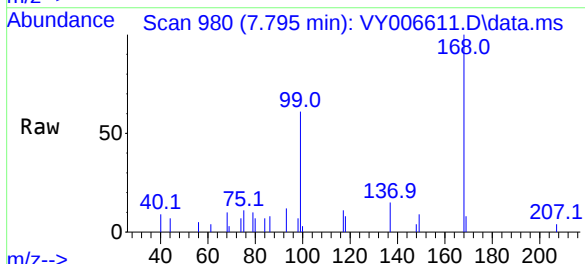
Instrument :
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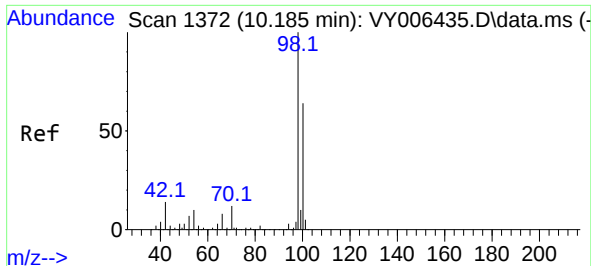
Tgt Ion: 75 Resp: 323
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.3#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.356 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

Tgt Ion: 117 Resp: 407
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 24.7 37.1#

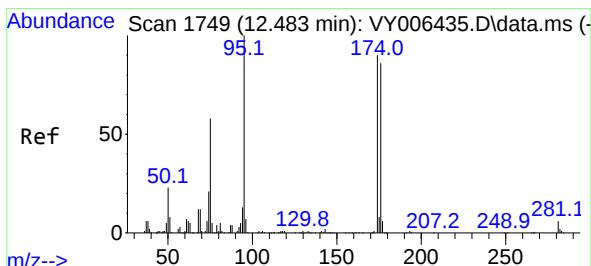
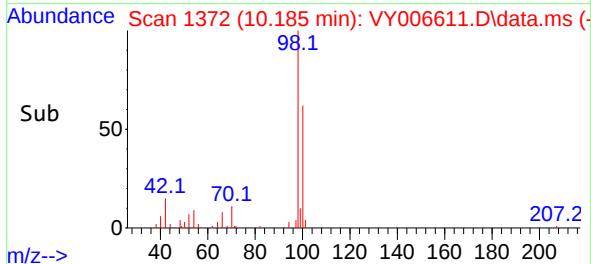
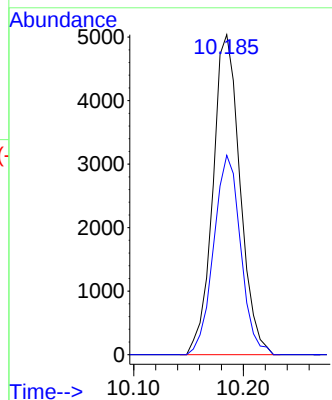
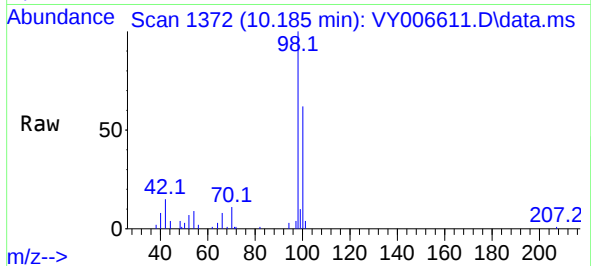




#50
Toluene-d8
Concen: 52.631 ug/l
RT: 10.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

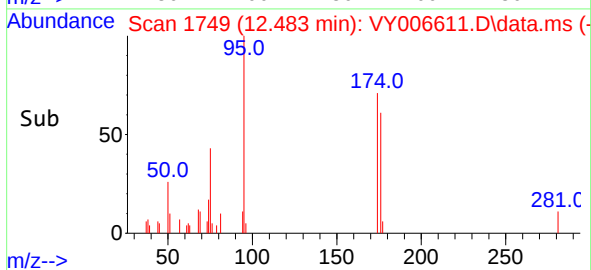
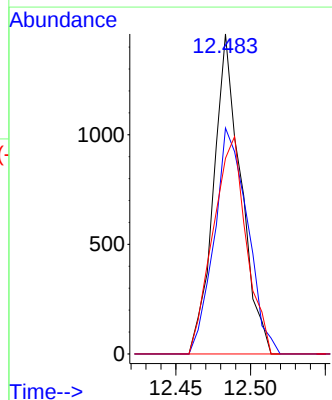
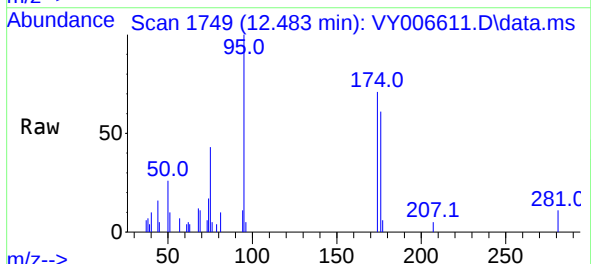
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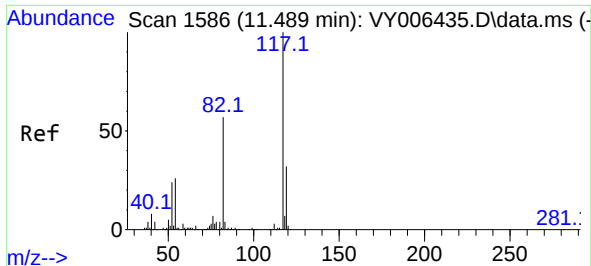
Tgt Ion: 98 Resp: 8670
Ion Ratio Lower Upper
98 100
100 61.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 33.356 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

Tgt Ion: 95 Resp: 1851
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 82.5 0.0 169.4

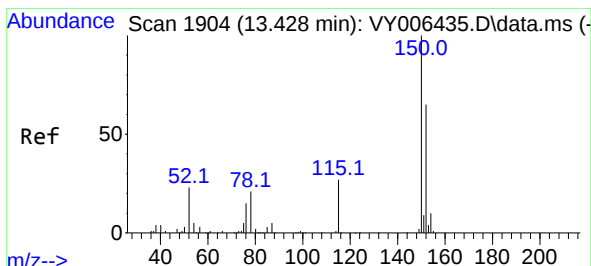
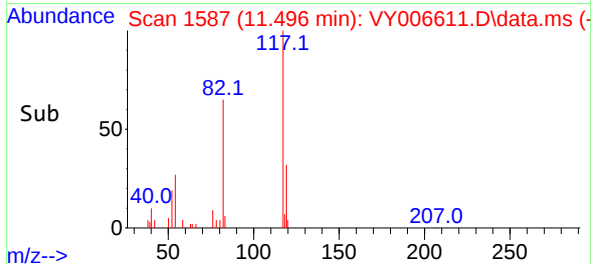
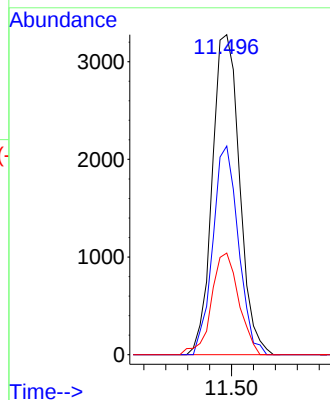
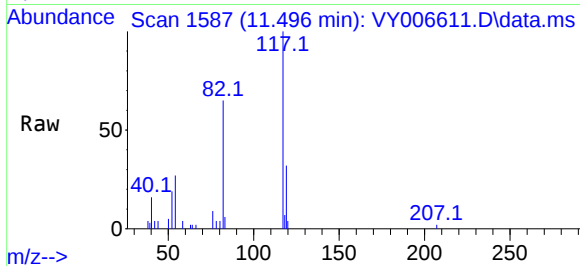




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

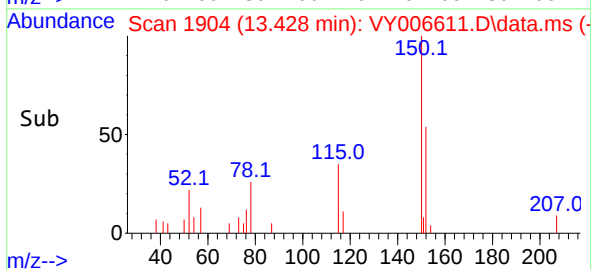
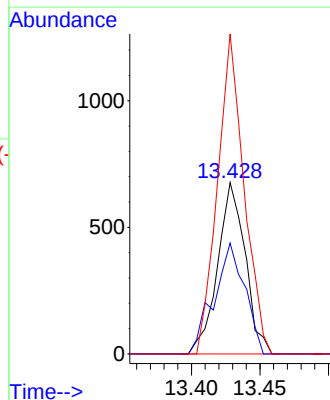
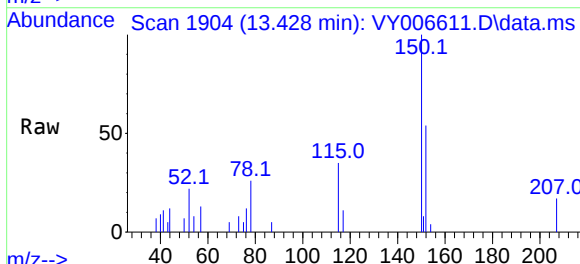
Instrument :
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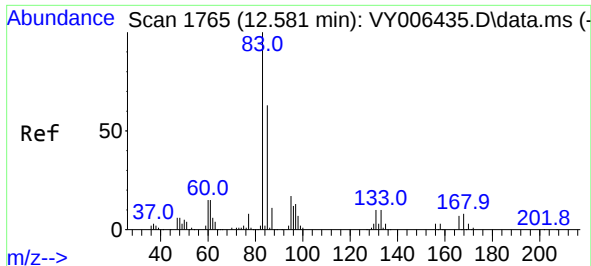
Tgt Ion:	117	Resp:	5676
Ion	Ratio	Lower	Upper
117	100		
82	65.2	45.7	68.5
119	31.7	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

Tgt Ion:	152	Resp:	950
Ion	Ratio	Lower	Upper
152	100		
115	71.8	28.5	85.5
150	179.1	0.0	348.2

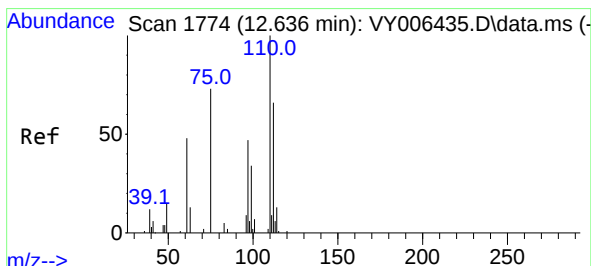
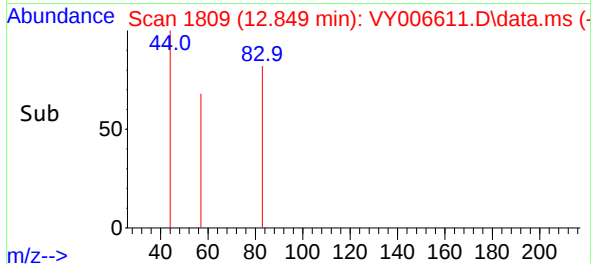
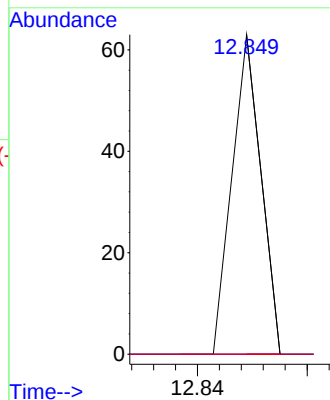
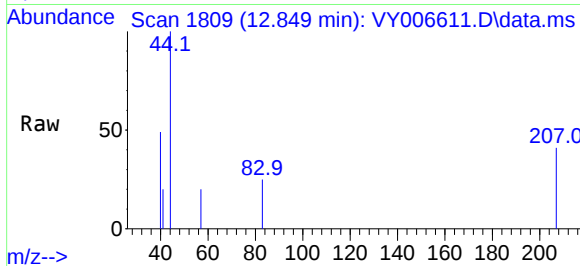




#75
1,1,2,2-Tetrachloroethane
Concen: 1.999 ug/l
RT: 12.849 min Scan# 1750
Delta R.T. 0.268 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

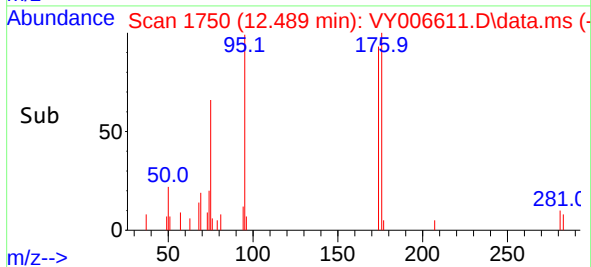
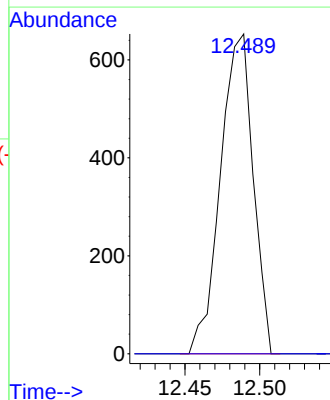
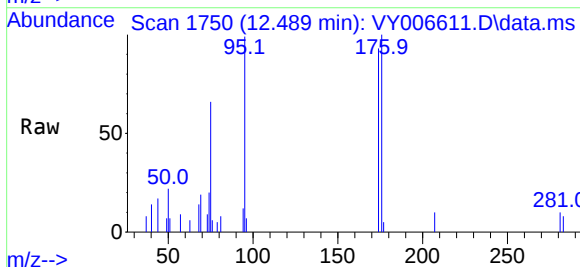
Instrument :
MSVOA_Y
ClientSampleId :
SB02A

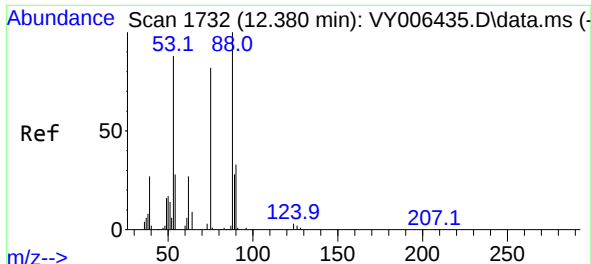
Tgt Ion: 83 Resp: 23
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.4#
85 0.0 31.9 95.9#



#76
1,2,3-Trichloropropane
Concen: 101.435 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

Tgt Ion: 75 Resp: 993
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

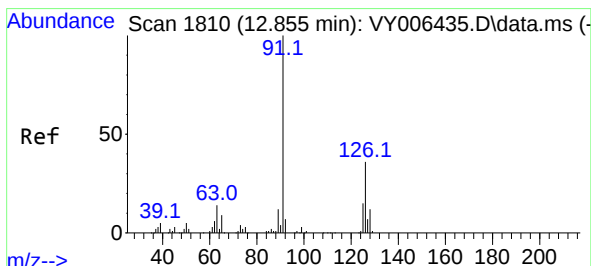
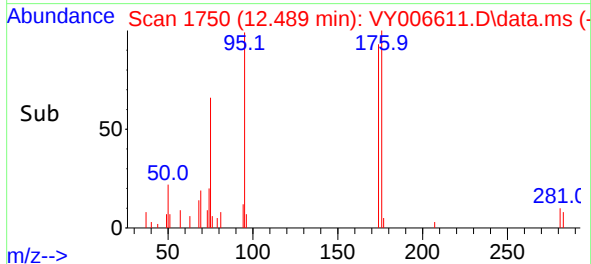
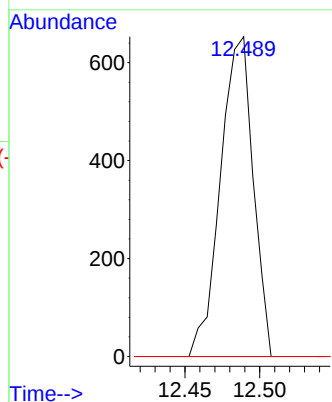
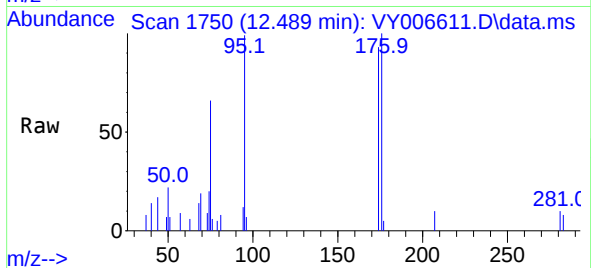




#81
trans-1,4-Dichloro-2-butene
Concen: 208.243 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

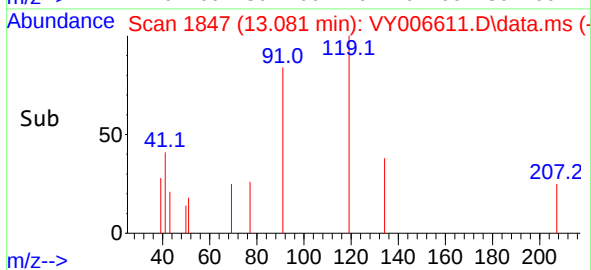
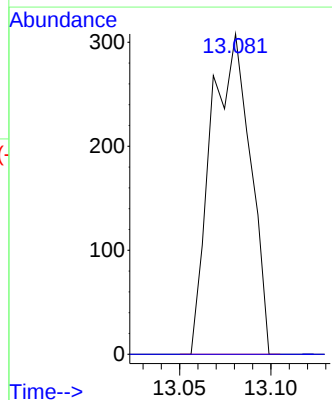
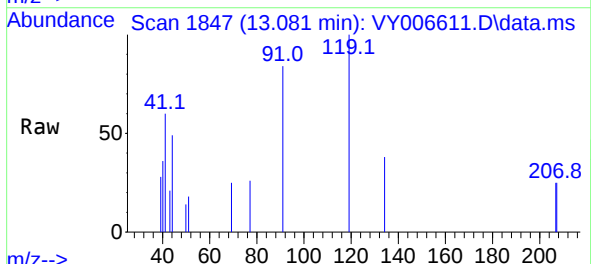
Instrument :
MSVOA_Y
ClientSampleId :
SB02A

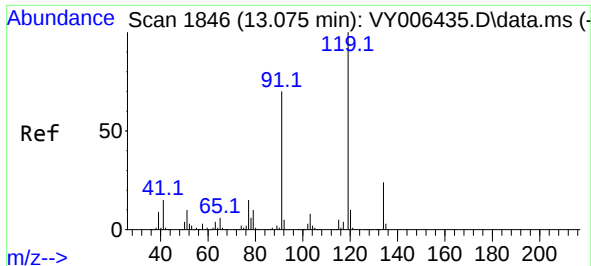
Tgt Ion: 75 Resp: 993
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.0 39.3 58.9#



#82
4-Chlorotoluene
Concen: 9.773 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.226 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

Tgt Ion: 91 Resp: 463
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.4#

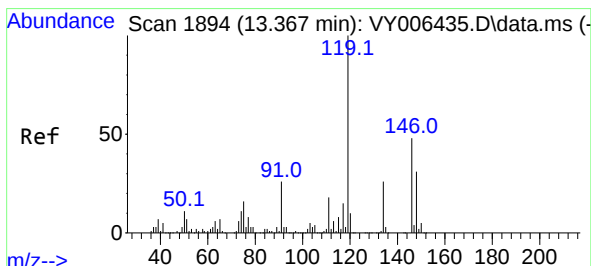
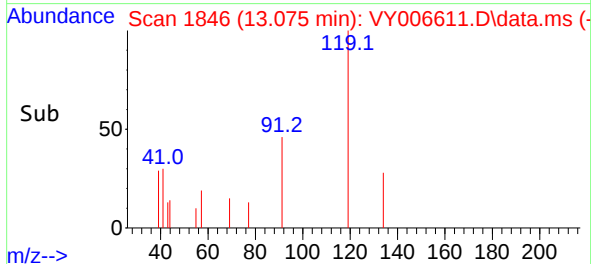
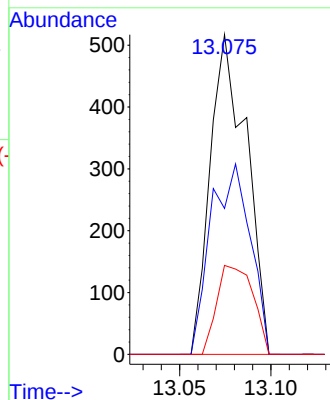
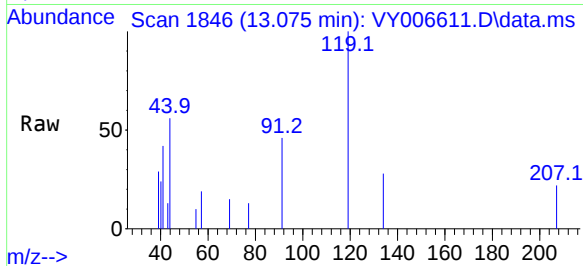




#83
tert-Butylbenzene
Concen: 14.932 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. -0.000 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

Instrument :
MSVOA_Y
ClientSampleId :
SB02A

Tgt Ion:	119	Resp:	714
Ion	Ratio	Lower	Upper
119	100		
91	64.8	34.8	104.5
134	27.7	13.0	38.9



#86
p-Isopropyltoluene
Concen: 1.126 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY006611.D
Acq: 03 Nov 2021 19:05

Tgt Ion:	119	Resp:	69
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.1	39.1#
91	0.0	12.4	37.4#

