

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102621\
 Data File : VY006477.D
 Acq On : 26 Oct 2021 13:38
 Operator : SY/MD
 Sample : M4332-01
 Misc : 5.43G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 27 05:25:39 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)

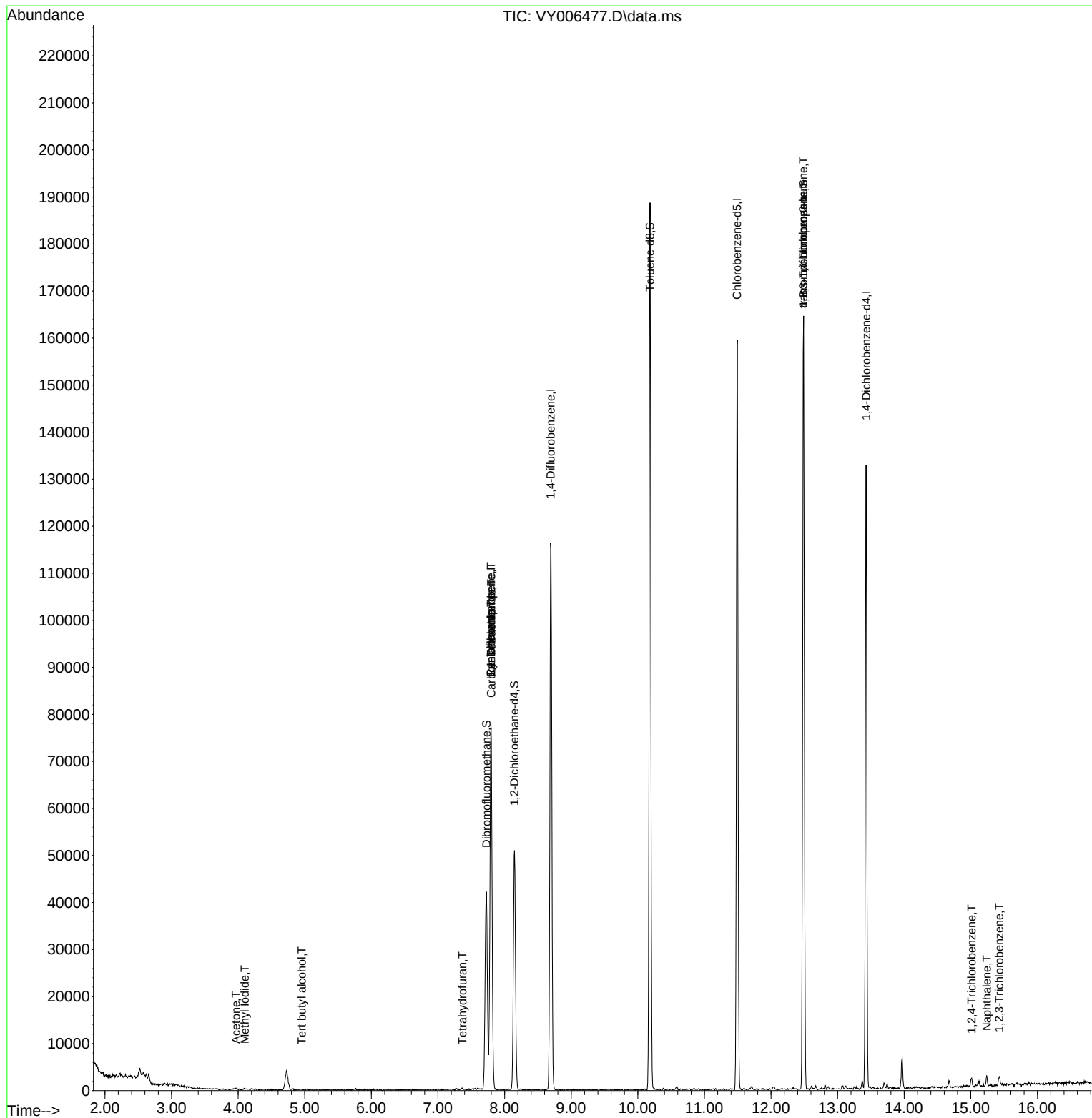
Internal Standards						
1) Pentafluorobenzene	7.795	168	58977	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	95599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	82496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	31393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	42290	58.271	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.540%			
35) Dibromofluoromethane	7.728	113	28847	54.138	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.280%			
50) Toluene-d8	10.185	98	119673	52.981	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.960%			
62) 4-Bromofluorobenzene	12.483	95	31995	42.049	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.100%			
Target Compounds						Qvalue
10) Methyl Iodide	4.101	142	298	5.521	ug/l #	68
11) Tert butyl alcohol	4.954	59	273	4.141	ug/l #	72
16) Acetone	3.966	43	499	2.388	ug/l	92
29) Tetrahydrofuran	7.368	42	197	1.173	ug/l #	52
31) Cyclohexane	7.795	56	1498	1.275	ug/l #	42
36) 1,1-Dichloropropene	7.795	75	4617	4.888	ug/l #	51
38) Carbon Tetrachloride	7.801	117	5945	5.705	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	19450	60.124	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	19450	123.433	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.013	180	737	1.226	ug/l	94
95) Naphthalene	15.239	128	1778	1.511	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	713	1.354	ug/l	96

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

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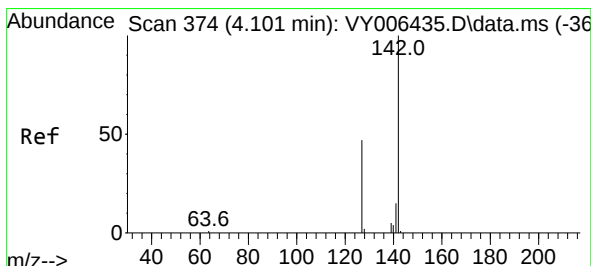
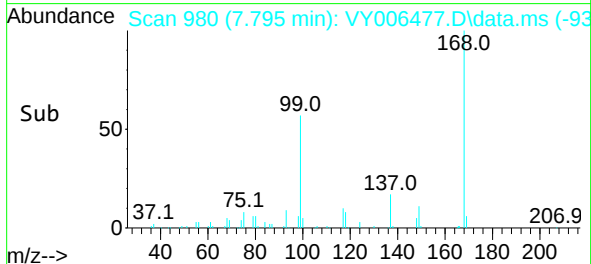
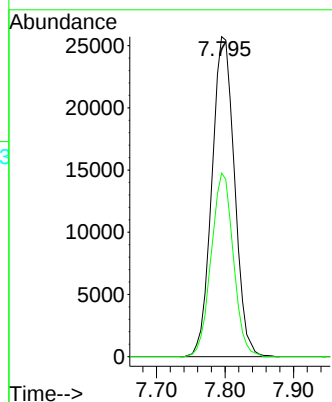
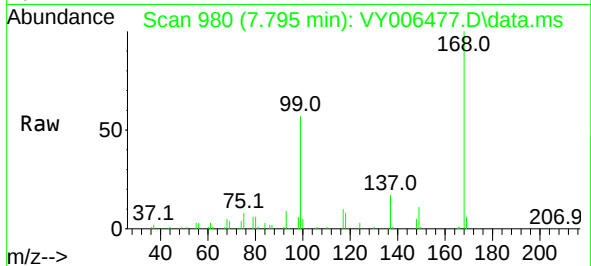




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY006477.D
Acq: 26 Oct 2021 13:38

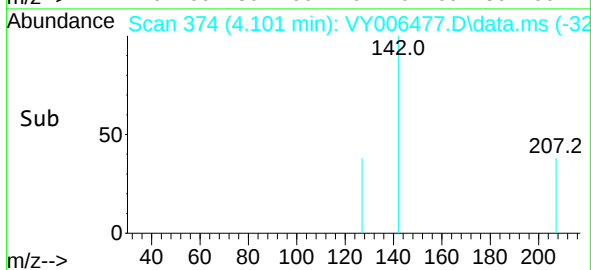
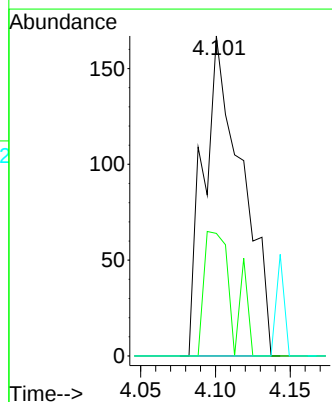
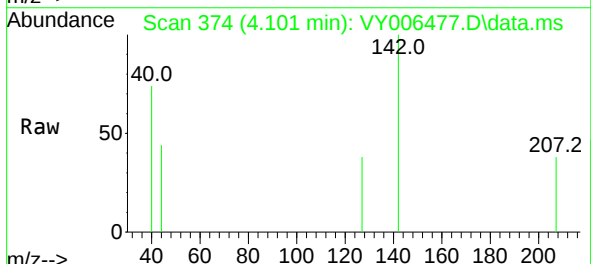
Instrument :
MSVOA_Y
ClientSampleId :

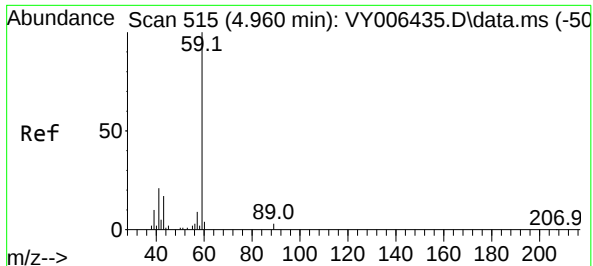
Tgt Ion:168 Resp: 58977
Ion Ratio Lower Upper
168 100
99 57.4 44.8 67.2



#10
Methyl Iodide
Concen: 5.521 ug/l
RT: 4.101 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY006477.D
Acq: 26 Oct 2021 13:38

Tgt Ion:142 Resp: 298
Ion Ratio Lower Upper
142 100
127 29.2 40.1 60.1#
141 0.0 12.5 18.7#





#11

Tert butyl alcohol

Concen: 4.141 ug/l

RT: 4.954 min Scan# 515

Delta R.T. -0.006 min

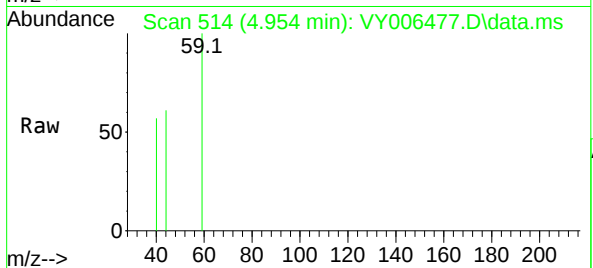
Lab File: VY006477.D

Acq: 26 Oct 2021 13:38

Instrument :

MSVOA_Y

ClientSampleId :

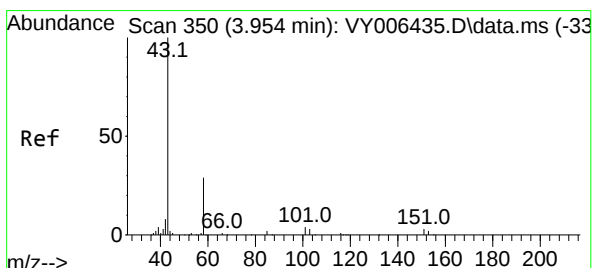
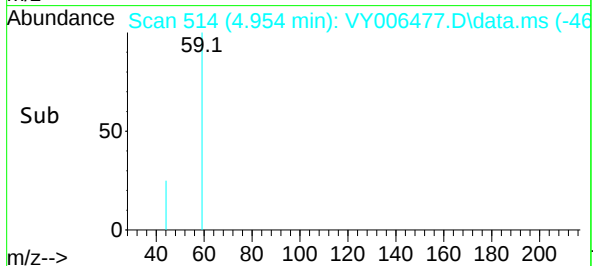
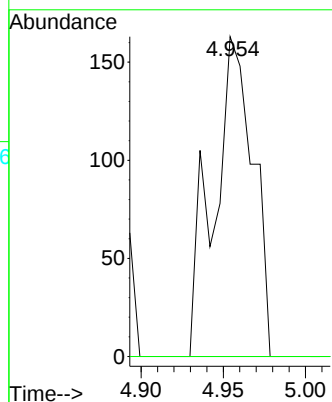


Tgt Ion: 59 Resp: 273

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 2.388 ug/l

RT: 3.966 min Scan# 352

Delta R.T. 0.012 min

Lab File: VY006477.D

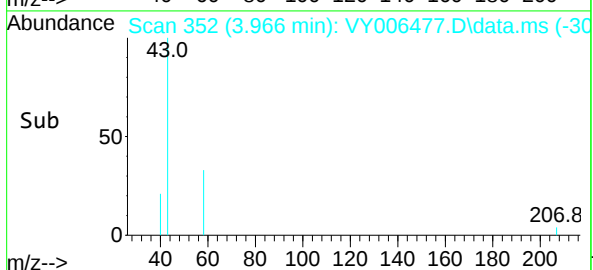
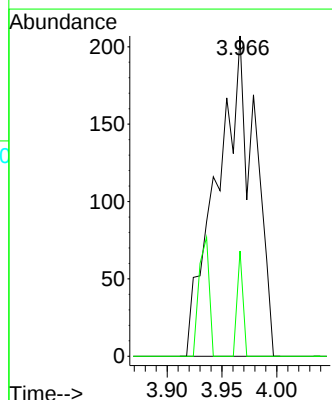
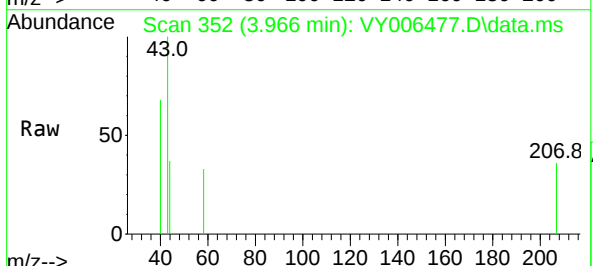
Acq: 26 Oct 2021 13:38

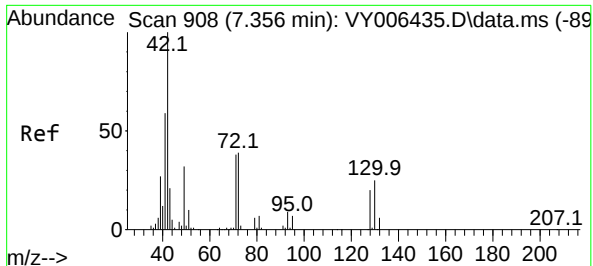
Tgt Ion: 43 Resp: 499

Ion Ratio Lower Upper

43 100

58 32.9 22.9 34.3





#29

Tetrahydrofuran

Concen: 1.173 ug/l

RT: 7.368 min Scan# 91

Delta R.T. 0.012 min

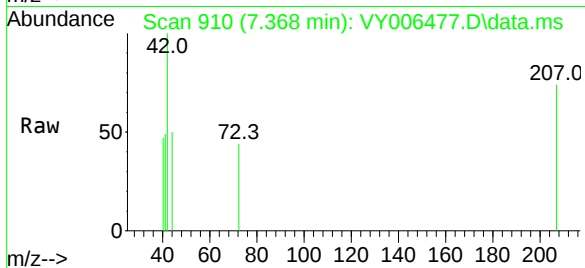
Lab File: VY006477.D

Acq: 26 Oct 2021 13:38

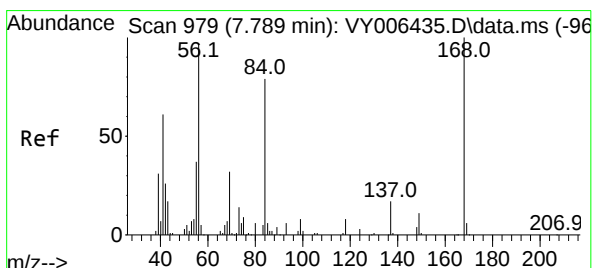
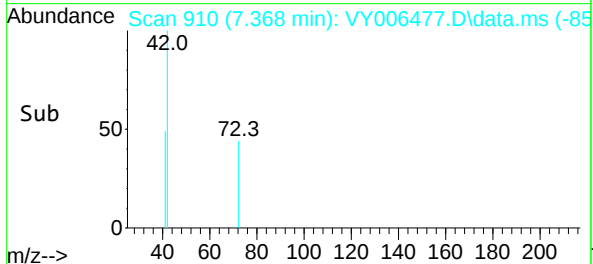
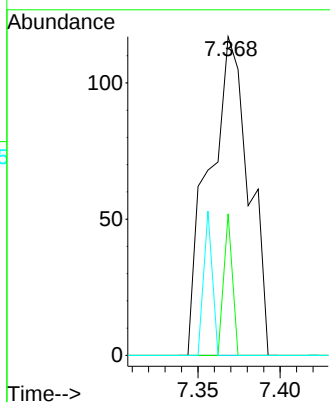
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	197
Ion	Ratio	Lower	Upper
42	100		
72	9.6	32.0	48.0#
71	9.6	30.3	45.5#



#31

Cyclohexane

Concen: 1.275 ug/l

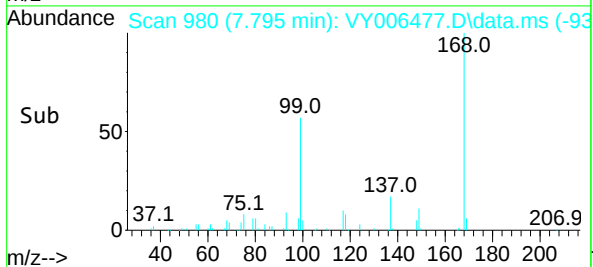
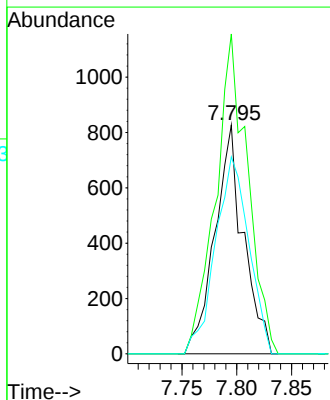
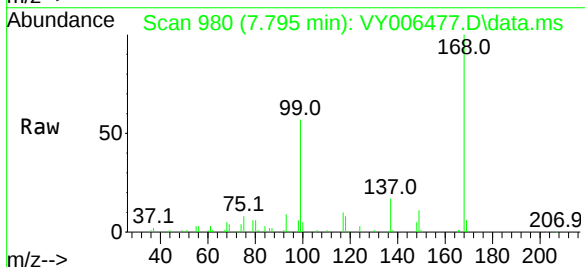
RT: 7.795 min Scan# 980

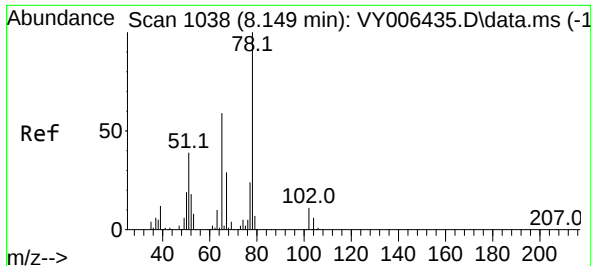
Delta R.T. 0.006 min

Lab File: VY006477.D

Acq: 26 Oct 2021 13:38

Tgt Ion:	56	Resp:	1498
Ion	Ratio	Lower	Upper
56	100		
69	139.8	26.6	40.0#
84	86.1	65.0	97.4





#33

1,2-Dichloroethane-d4

Concen: 58.271 ug/l

RT: 8.149 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY006477.D

Acq: 26 Oct 2021 13:38

Instrument :

MSVOA_Y

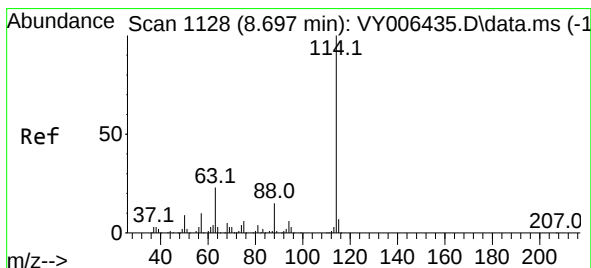
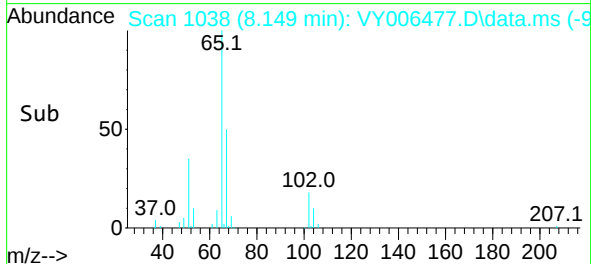
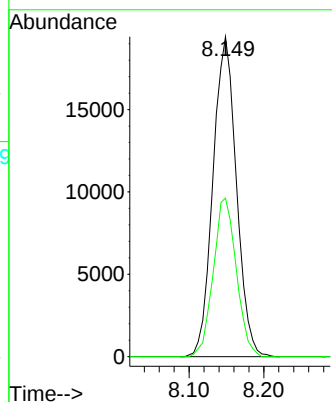
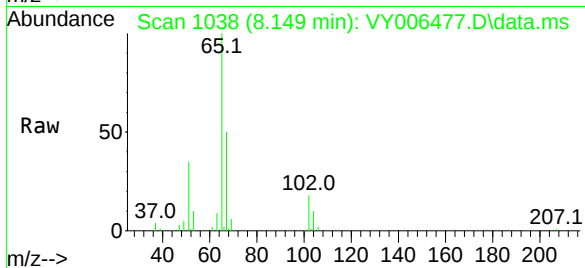
ClientSampleId :

Tgt Ion: 65 Resp: 42290

Ion Ratio Lower Upper

65 100

67 48.8 0.0 98.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY006477.D

Acq: 26 Oct 2021 13:38

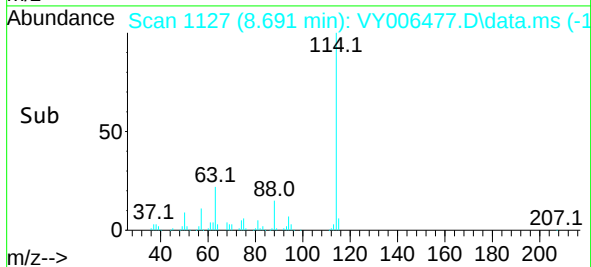
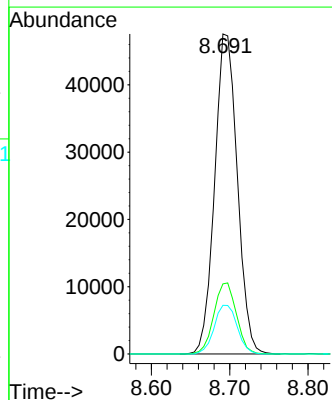
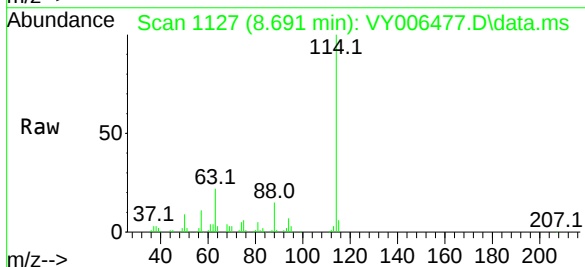
Tgt Ion: 114 Resp: 95599

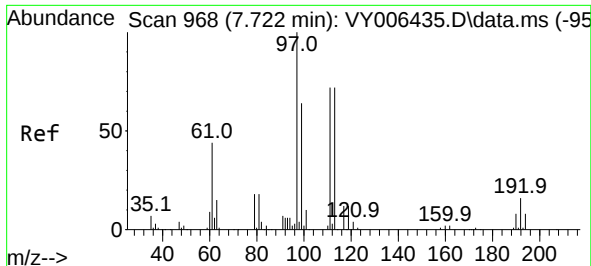
Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.0

88 15.2 0.0 30.6

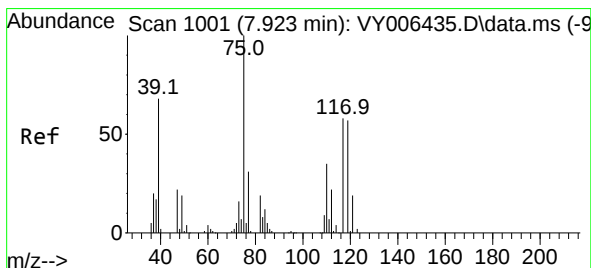
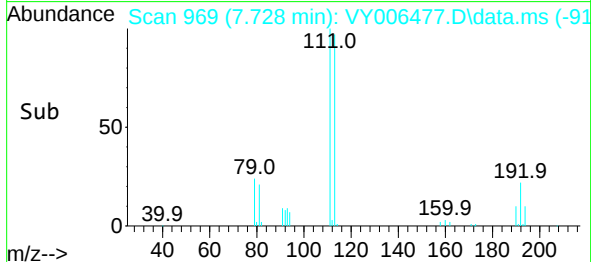
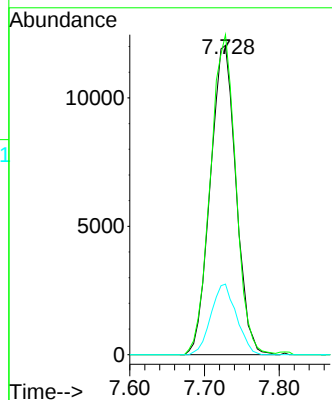
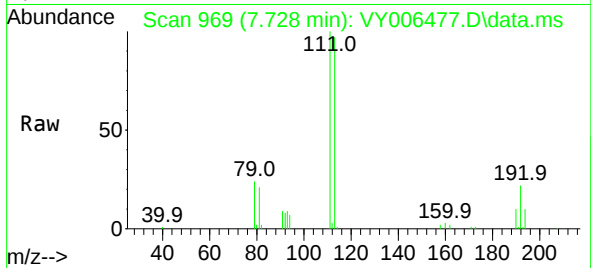




#35
Dibromofluoromethane
Concen: 54.138 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY006477.D
Acq: 26 Oct 2021 13:38

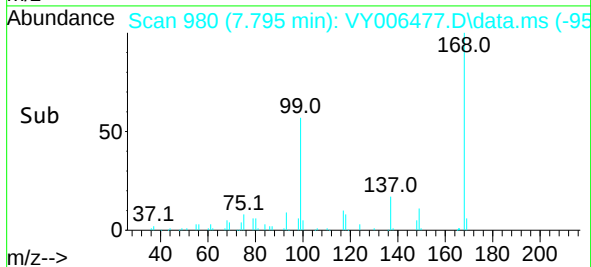
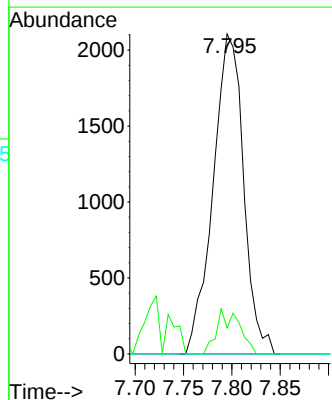
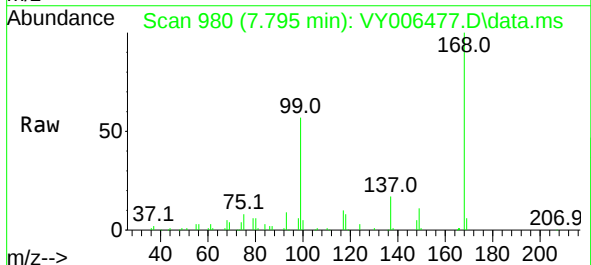
Instrument :
MSVOA_Y
ClientSampleId :

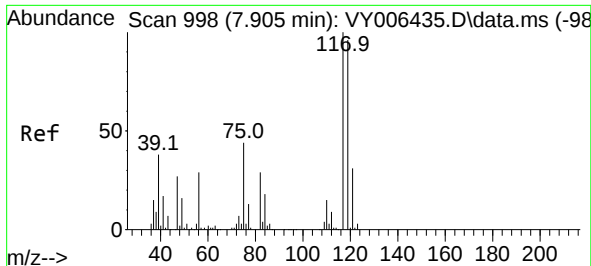
Tgt Ion:113 Resp: 28847
Ion Ratio Lower Upper
113 100
111 102.3 82.3 123.5
192 22.6 17.4 26.2



#36
1,1-Dichloropropene
Concen: 4.888 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006477.D
Acq: 26 Oct 2021 13:38

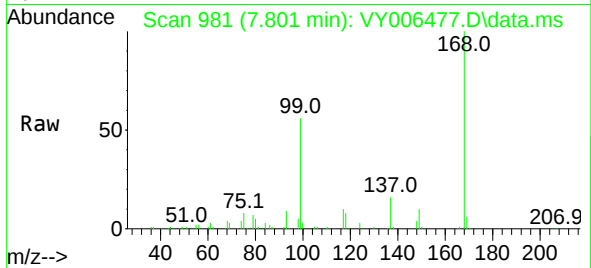
Tgt Ion: 75 Resp: 4617
Ion Ratio Lower Upper
75 100
110 10.3 17.1 51.3#
77 0.0 24.9 37.3#



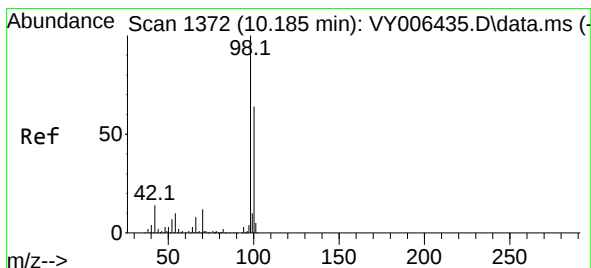
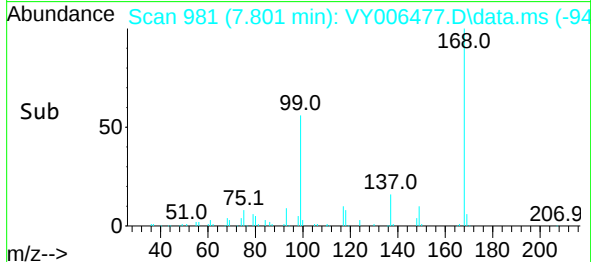
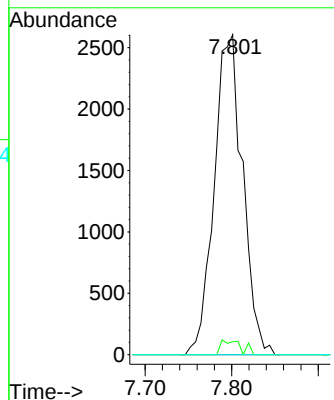


#38
Carbon Tetrachloride
Concen: 5.705 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY006477.D
Acq: 26 Oct 2021 13:38

Instrument :
MSVOA_Y
ClientSampleId :

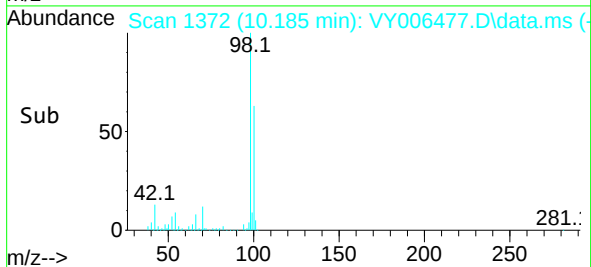
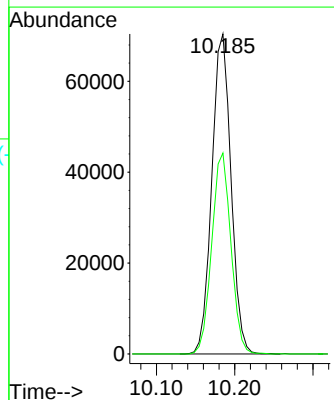
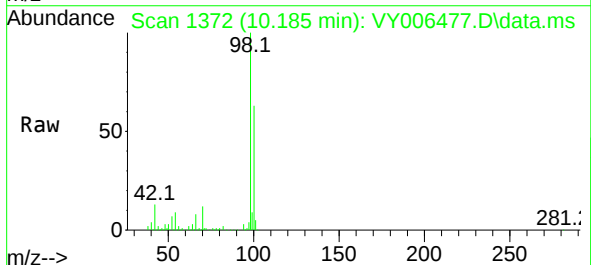


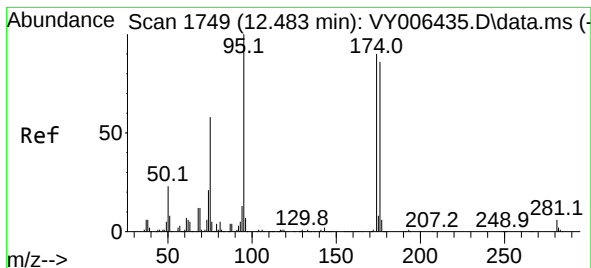
Tgt Ion:117 Resp: 5945
Ion Ratio Lower Upper
117 100
119 4.1 76.6 115.0#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 52.981 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY006477.D
Acq: 26 Oct 2021 13:38

Tgt Ion: 98 Resp: 119673
Ion Ratio Lower Upper
98 100
100 62.8 50.9 76.3

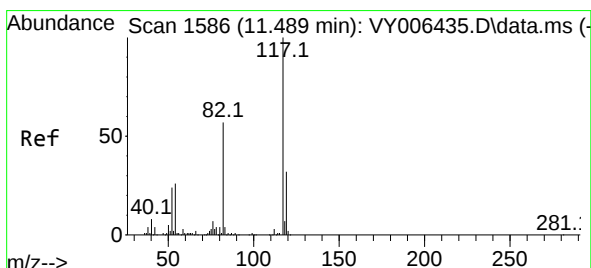
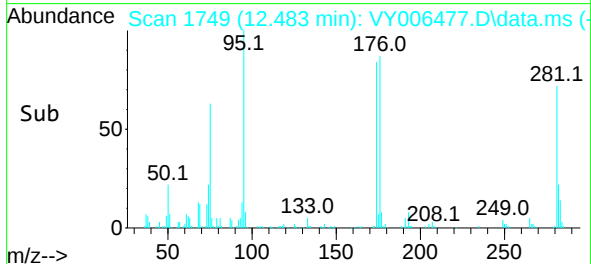
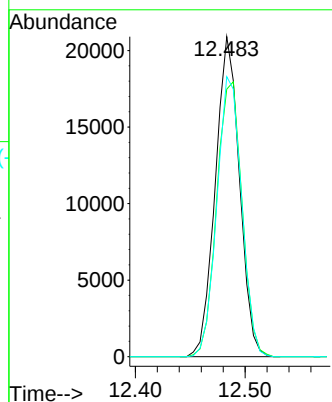
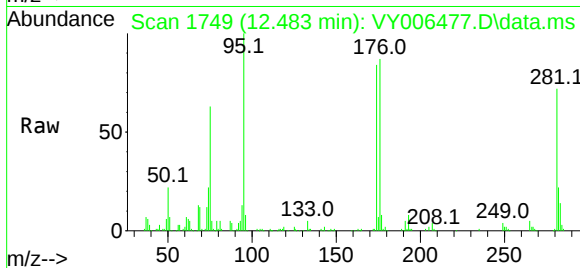




#62
4-Bromofluorobenzene
Concen: 42.049 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY006477.D
Acq: 26 Oct 2021 13:38

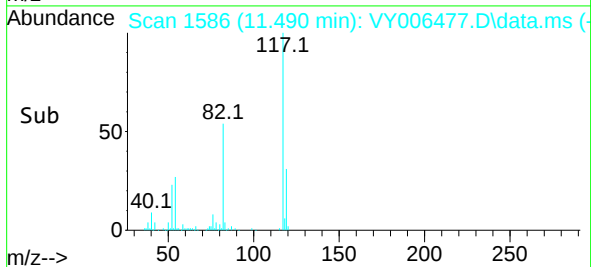
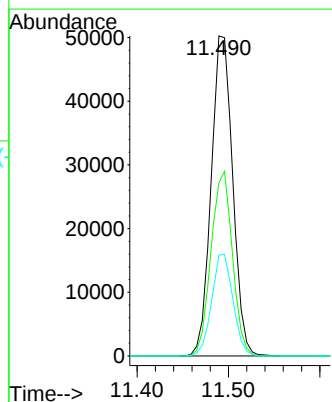
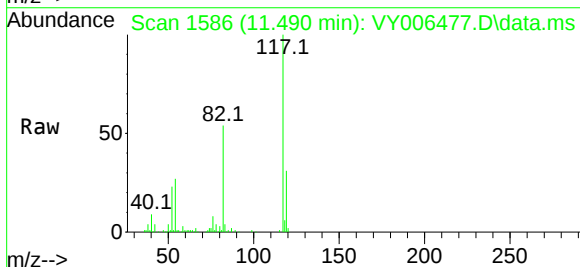
Instrument :
MSVOA_Y
ClientSampleId :

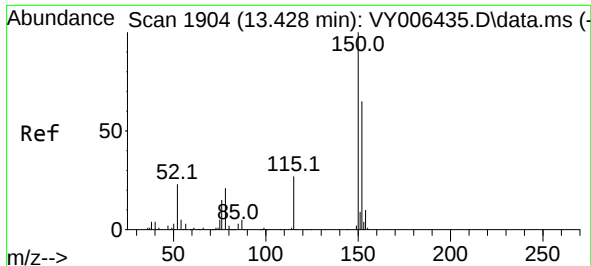
Tgt Ion: 95 Resp: 31995
Ion Ratio Lower Upper
95 100
174 90.1 0.0 177.0
176 89.5 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY006477.D
Acq: 26 Oct 2021 13:38

Tgt Ion: 117 Resp: 82496
Ion Ratio Lower Upper
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82 54.1 45.7 68.5
119 31.4 25.5 38.3

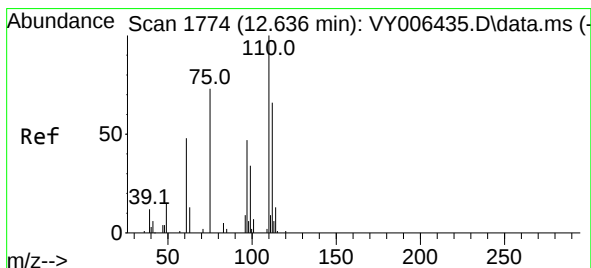
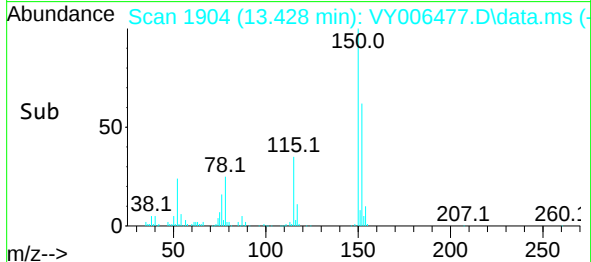
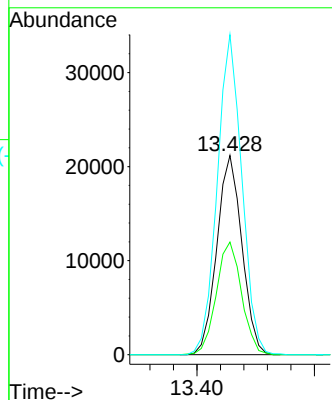
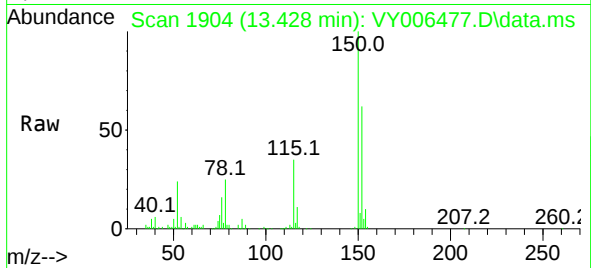




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY006477.D
 Acq: 26 Oct 2021 13:38

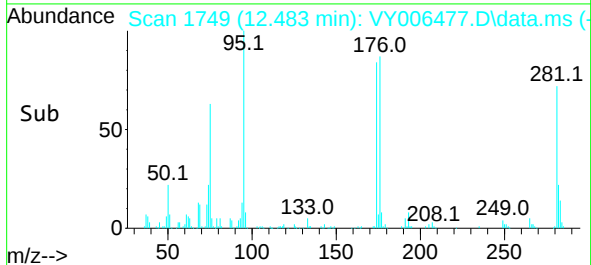
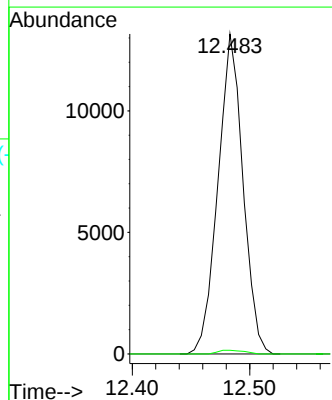
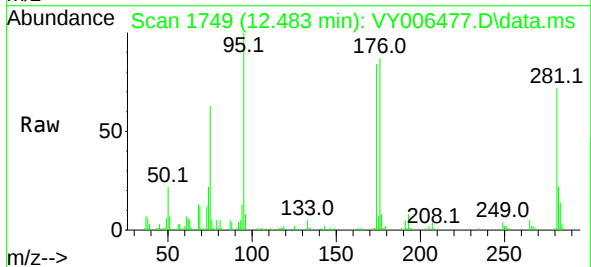
Instrument :
 MSVOA_Y
 ClientSampleId :

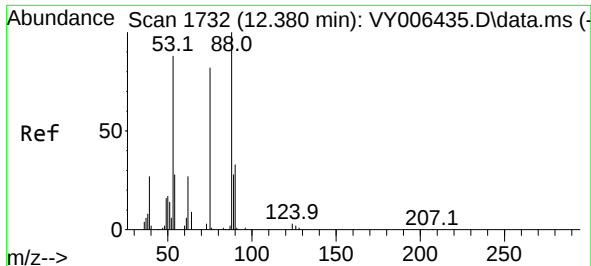
Tgt Ion:152 Resp: 31393
 Ion Ratio Lower Upper
 152 100
 115 57.0 28.5 85.5
 150 157.8 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 60.124 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY006477.D
 Acq: 26 Oct 2021 13:38

Tgt Ion: 75 Resp: 19450
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

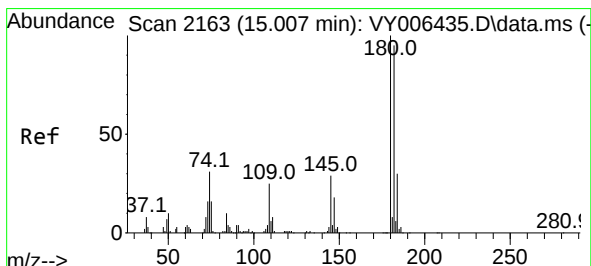
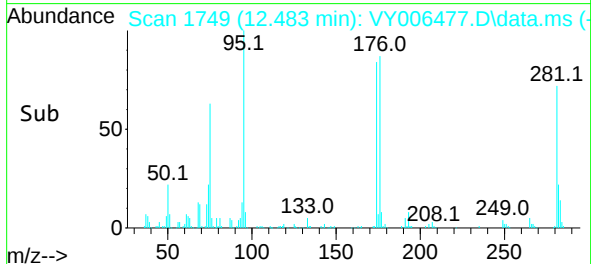
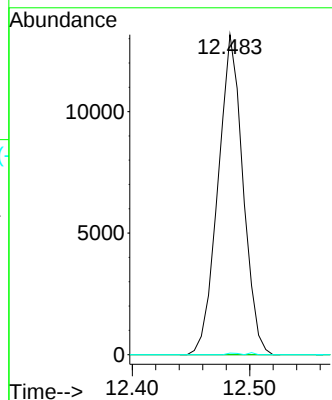
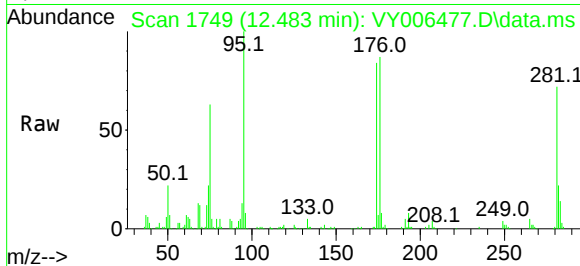




#81
trans-1,4-Dichloro-2-butene
Concen: 123.433 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006477.D
Acq: 26 Oct 2021 13:38

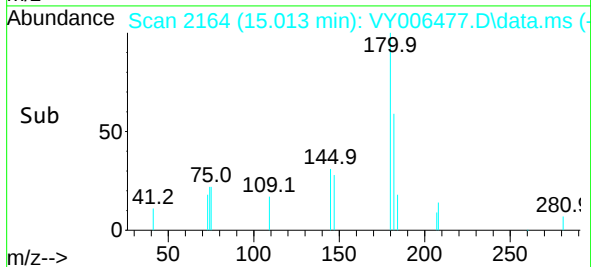
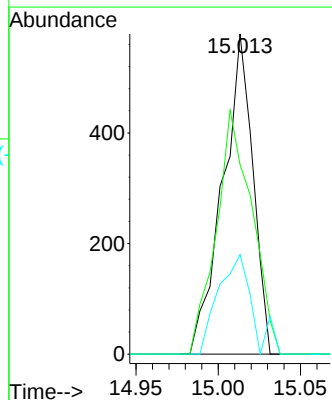
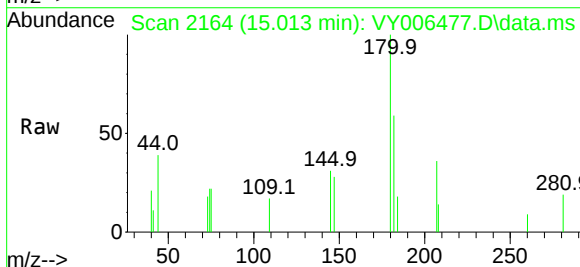
Instrument :
MSVOA_Y
ClientSampleId :

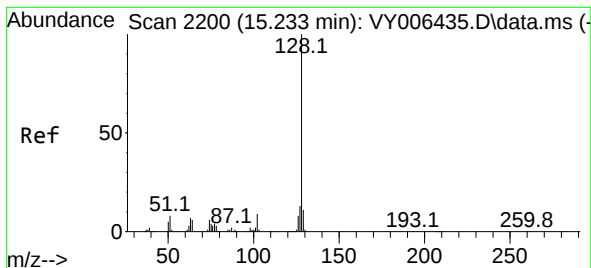
Tgt Ion: 75 Resp: 19450
Ion Ratio Lower Upper
75 100
53 0.0 85.8 128.6#
89 0.2 39.3 58.9#



#93
1,2,4-Trichlorobenzene
Concen: 1.226 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VY006477.D
Acq: 26 Oct 2021 13:38

Tgt Ion:180 Resp: 737
Ion Ratio Lower Upper
180 100
182 90.2 47.1 141.4
145 34.7 14.5 43.6





#95

Naphthalene

Concen: 1.511 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY006477.D

Acq: 26 Oct 2021 13:38

Instrument :

MSVOA_Y

ClientSampleId :

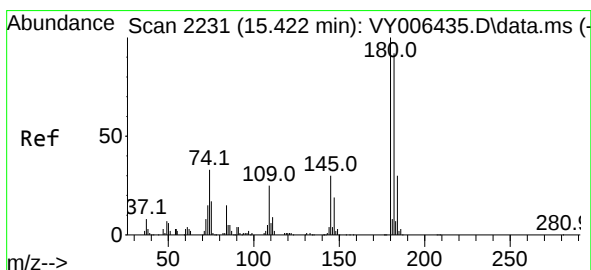
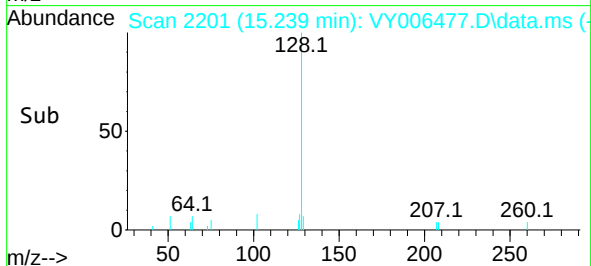
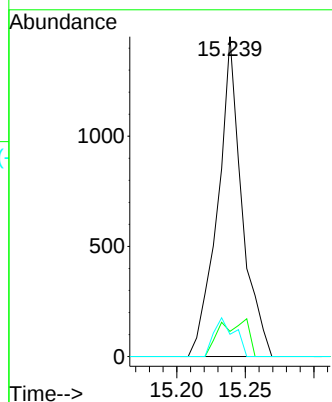
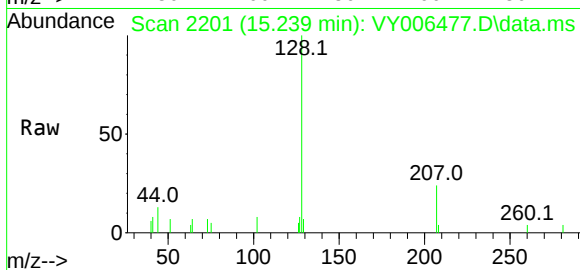
Tgt Ion:128 Resp: 1778

Ion Ratio Lower Upper

128 100

127 13.5 11.0 16.4

129 10.4 8.9 13.3



#96

1,2,3-Trichlorobenzene

Concen: 1.354 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY006477.D

Acq: 26 Oct 2021 13:38

Tgt Ion:180 Resp: 713

Ion Ratio Lower Upper

180 100

182 92.7 47.8 143.4

145 33.5 15.3 45.8

