

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110422\
 Data File : VY011301.D
 Acq On : 04 Nov 2022 16:46
 Operator : KP/MD
 Sample : N5310-06RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 07 01:52:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

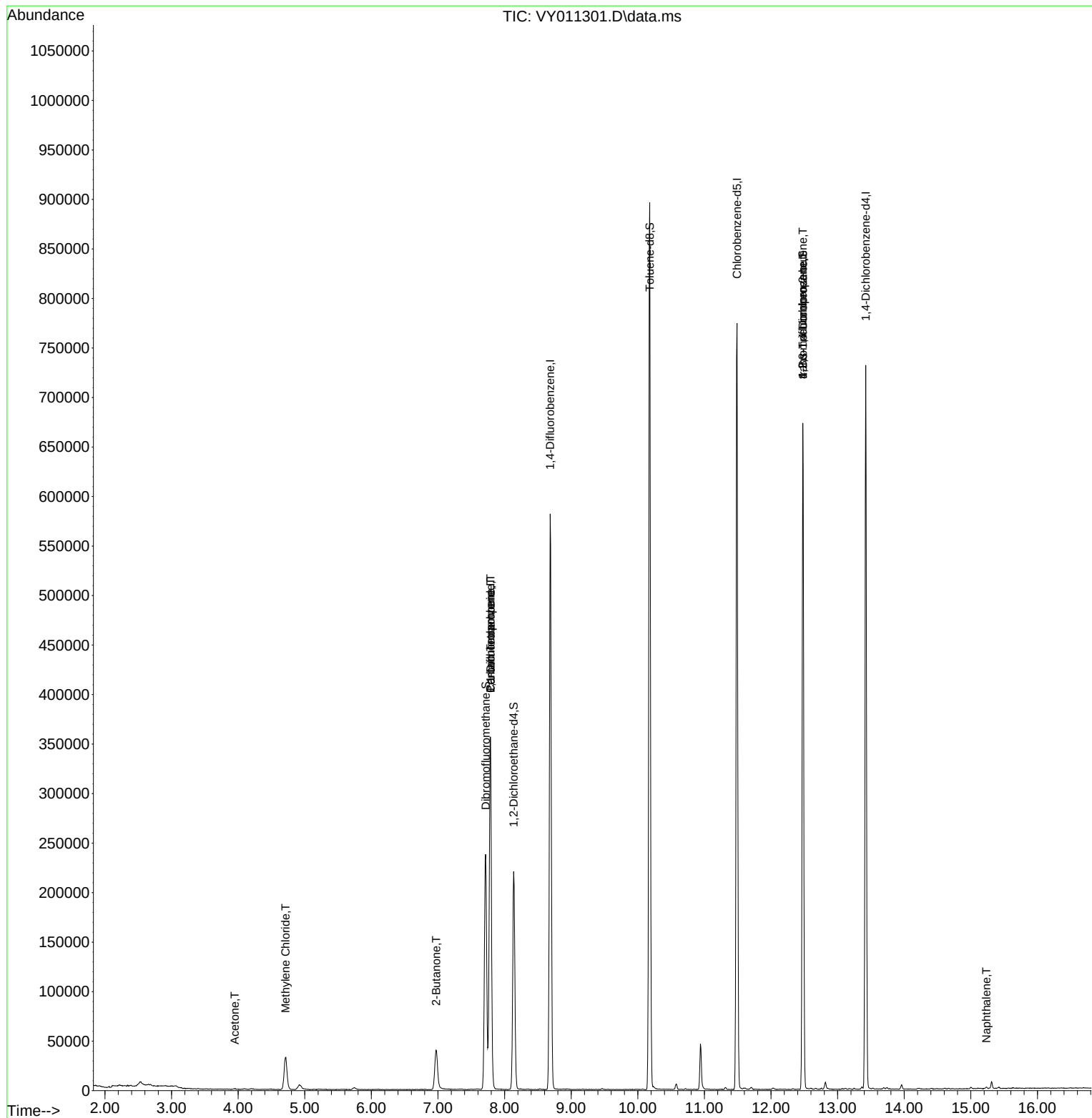
Internal Standards						
1) Pentafluorobenzene	7.789	168	286051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	506736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	443183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	191503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	169140	55.287	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.580%	
35) Dibromofluoromethane	7.716	113	175657	53.953	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.900%	
50) Toluene-d8	10.179	98	609056	48.182	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.360%	
62) 4-Bromofluorobenzene	12.477	95	217669	49.601	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	178	Below Cal	#	43
11) Tert butyl alcohol	4.917	59	4789	Below Cal	#	81
13) Acrolein	3.735	56	111	Below Cal	#	14
16) Acetone	3.948	43	1546	1.674	ug/l	91
20) Methylene Chloride	4.710	84	25981	2.057	ug/l	# 82
25) 2-Butanone	6.972	43	2353	1.811	ug/l	# 88
36) 1,1-Dichloropropene	7.789	75	21508	4.045	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	27428	4.972	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	105262	45.150	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	105262	96.627	ug/l	# 7
95) Naphthalene	15.233	128	1604	4.142	ug/l	# 93

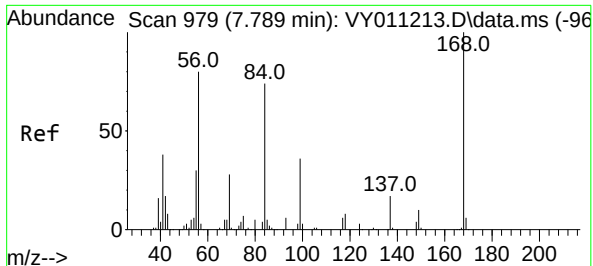
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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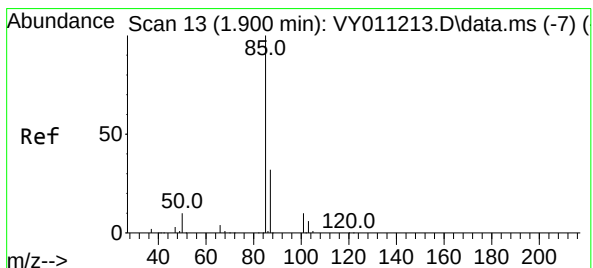
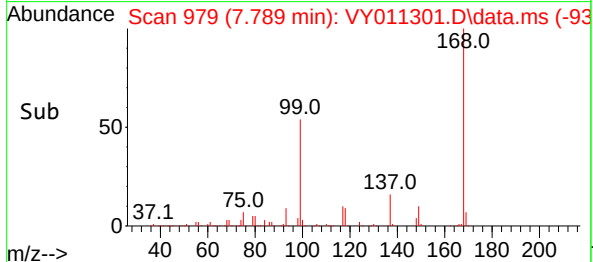
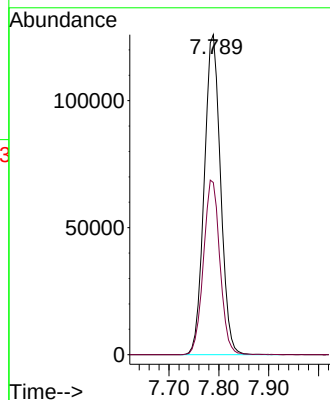
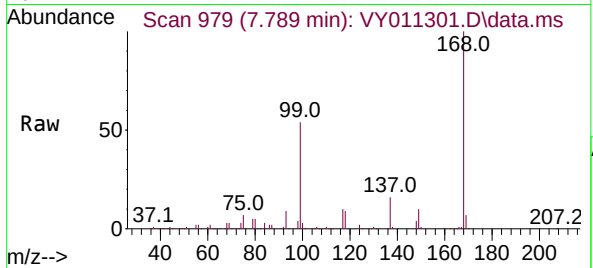




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011301.D
Acq: 04 Nov 2022 16:46

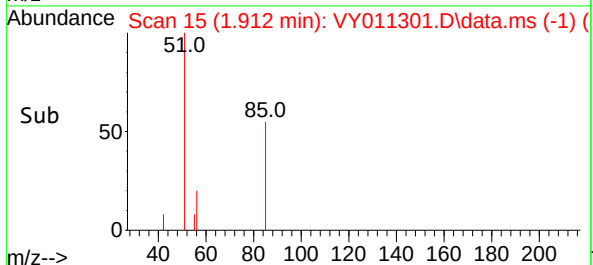
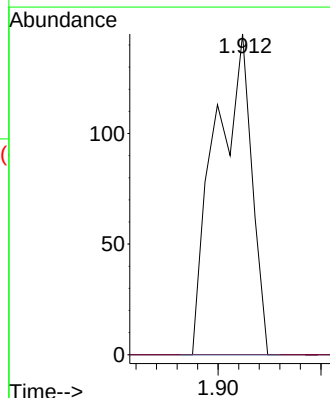
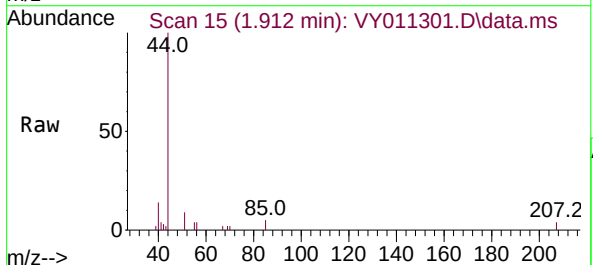
Instrument :
MSVOA_Y
ClientSampleId :

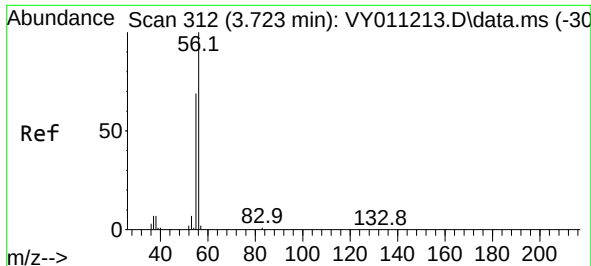
Tgt Ion:168 Resp: 286051
Ion Ratio Lower Upper
168 100
99 53.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY011301.D
Acq: 04 Nov 2022 16:46

Tgt Ion: 85 Resp: 178
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#13

Acrolein

Concen: Below Cal

RT: 3.735 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY011301.D

Acq: 04 Nov 2022 16:46

Instrument :

MSVOA_Y

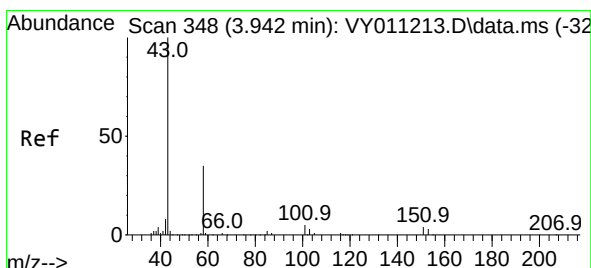
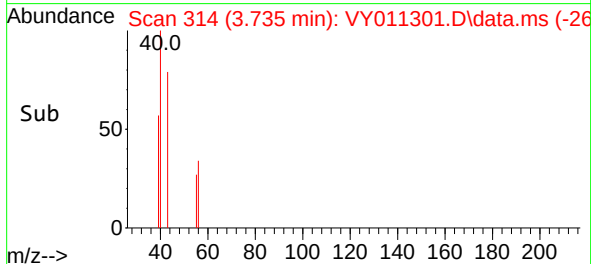
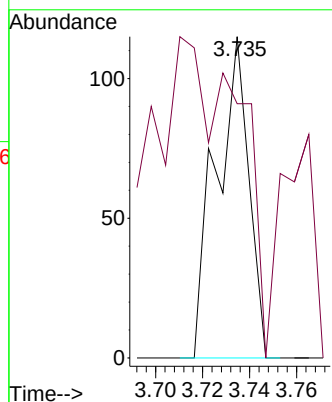
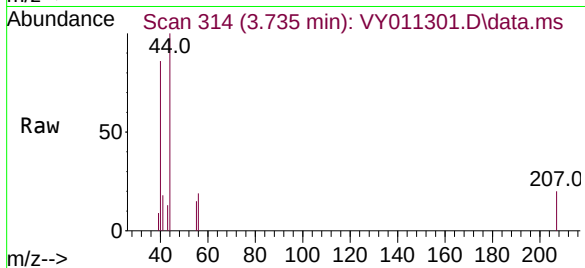
ClientSampleId :

Tgt Ion: 56 Resp: 111

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



#16

Acetone

Concen: 1.674 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY011301.D

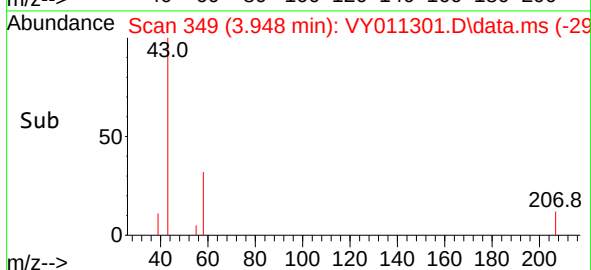
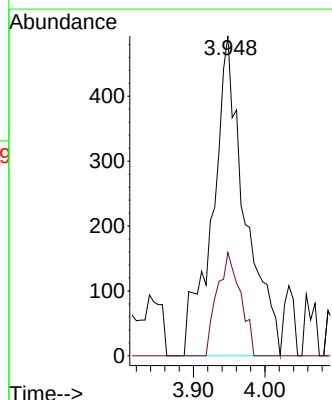
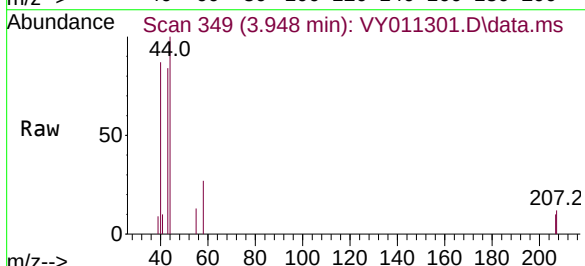
Acq: 04 Nov 2022 16:46

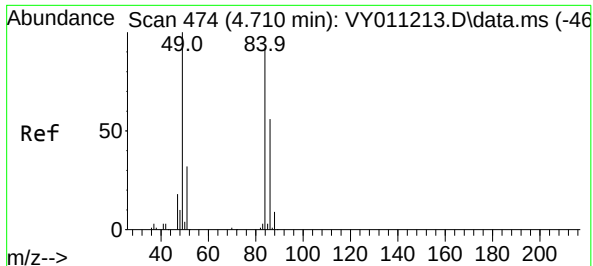
Tgt Ion: 43 Resp: 1546

Ion Ratio Lower Upper

43 100

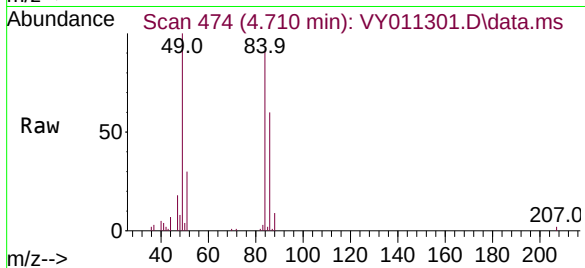
58 32.3 22.0 33.0



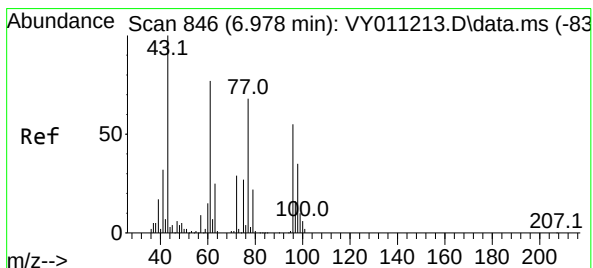
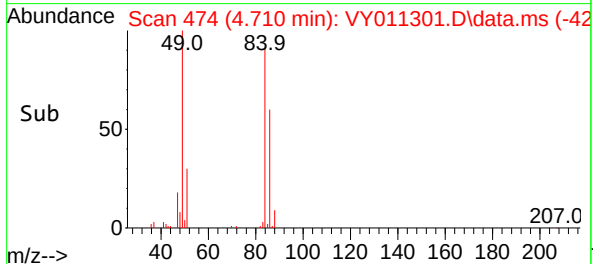
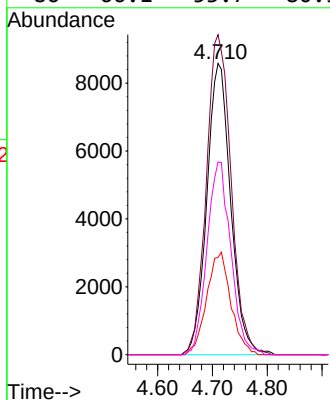


#20
Methylene Chloride
Concen: 2.057 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011301.D
Acq: 04 Nov 2022 16:46

Instrument :
MSVOA_Y
ClientSampleId :

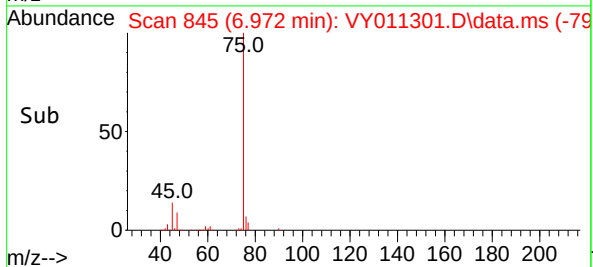
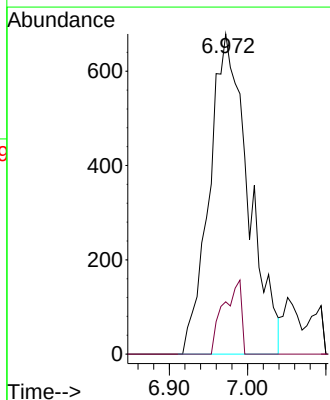
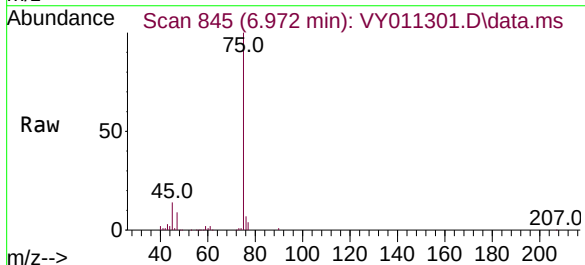


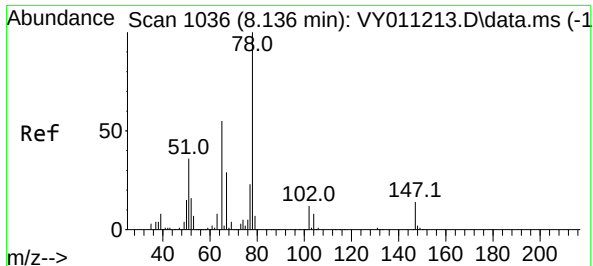
Tgt Ion: 84 Resp: 25981
Ion Ratio Lower Upper
84 100
49 109.9 114.4 171.6#
51 33.4 35.3 52.9#
86 66.1 53.7 80.5



#25
2-Butanone
Concen: 1.811 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011301.D
Acq: 04 Nov 2022 16:46

Tgt Ion: 43 Resp: 2353
Ion Ratio Lower Upper
43 100
72 16.3 17.7 26.5#

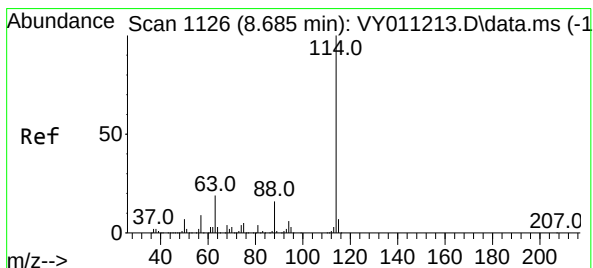
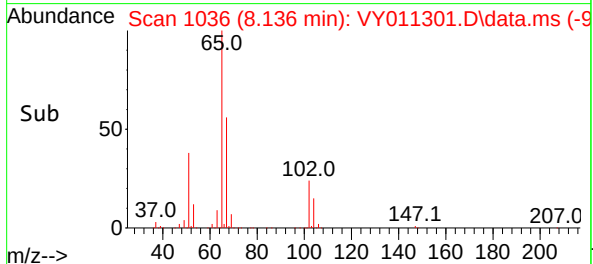
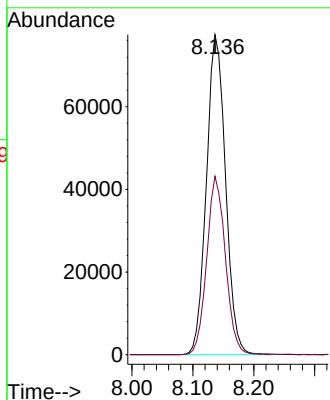
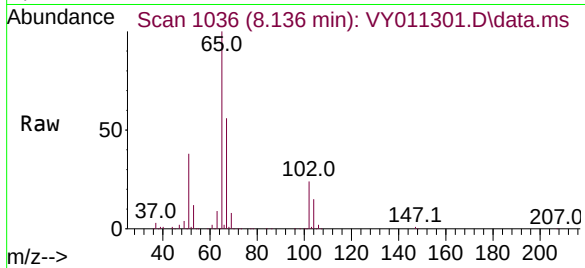




#33
 1,2-Dichloroethane-d4
 Concen: 55.287 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY011301.D
 Acq: 04 Nov 2022 16:46

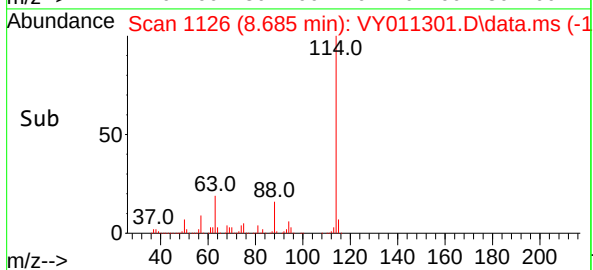
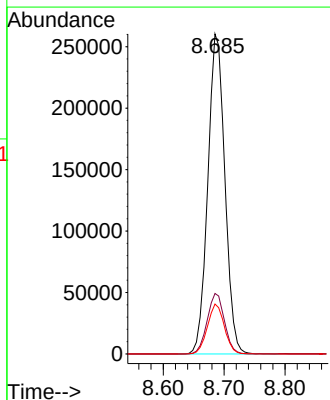
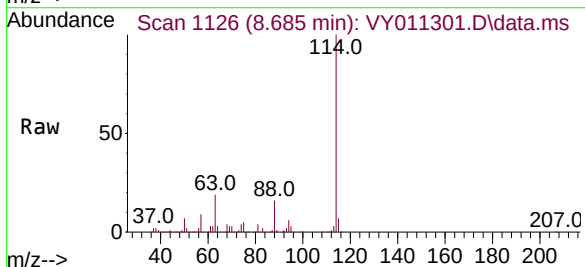
Instrument :
 MSVOA_Y
 ClientSampleId :

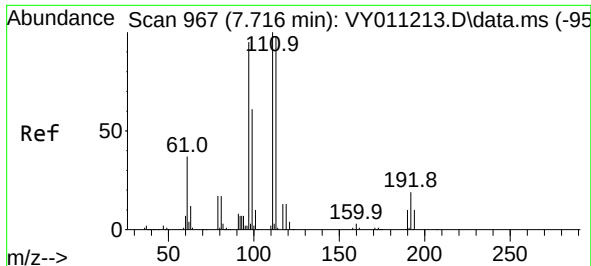
Tgt Ion: 65 Resp: 169140
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY011301.D
 Acq: 04 Nov 2022 16:46

Tgt Ion: 114 Resp: 506736
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 43.2
 88 15.6 0.0 31.8

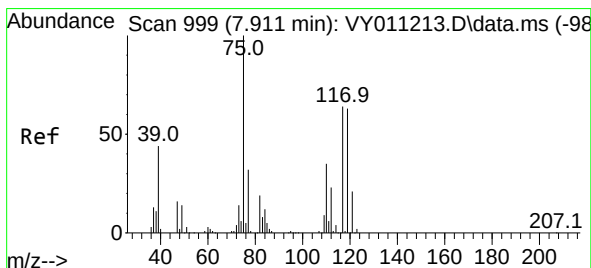
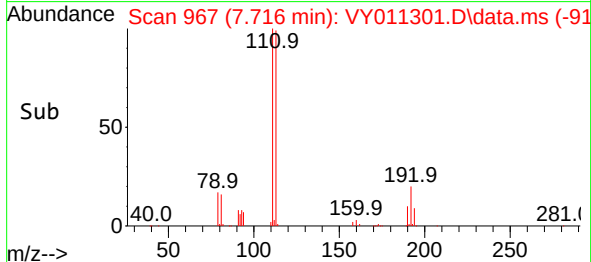
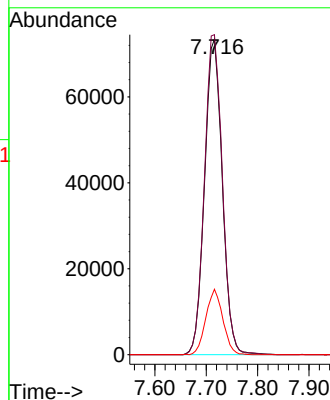
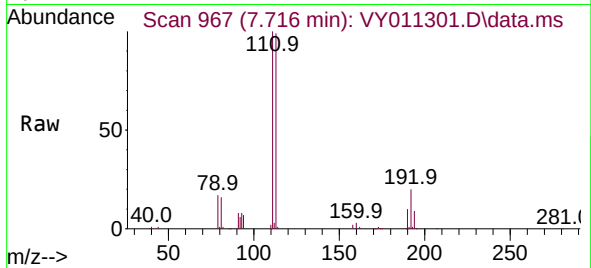




#35
Dibromofluoromethane
Concen: 53.953 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY011301.D
Acq: 04 Nov 2022 16:46

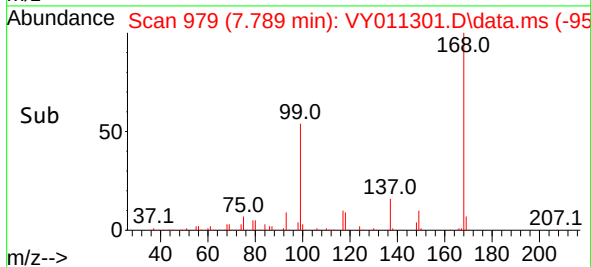
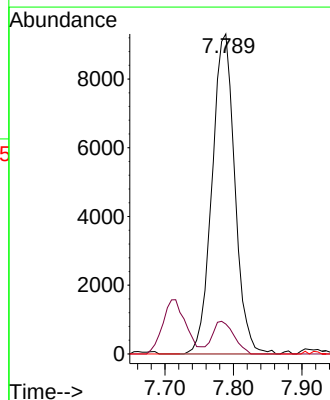
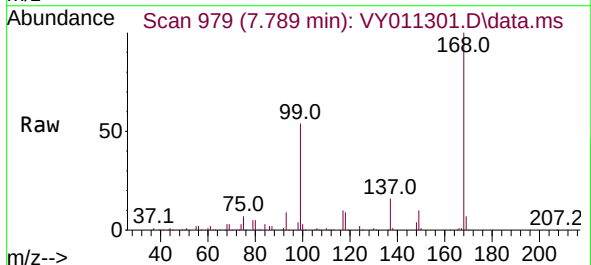
Instrument :
MSVOA_Y
ClientSampleId :

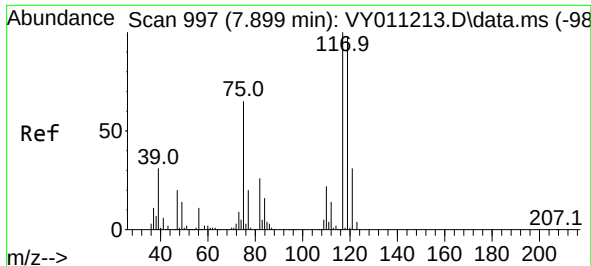
Tgt Ion:113 Resp: 175657
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 19.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.045 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011301.D
Acq: 04 Nov 2022 16:46

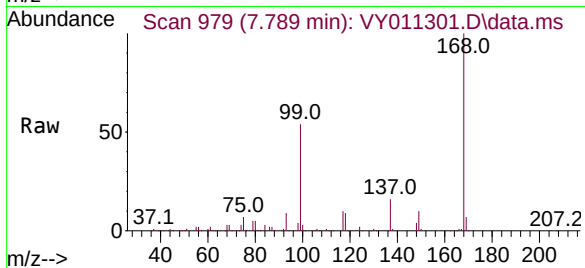
Tgt Ion: 75 Resp: 21508
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.2#
77 0.0 24.4 36.6#



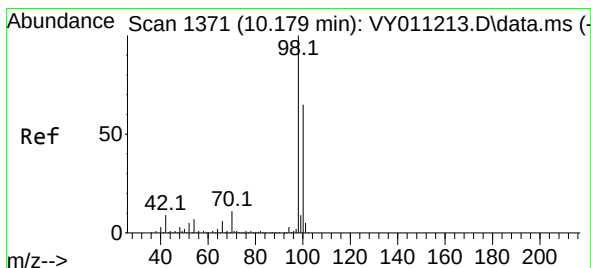
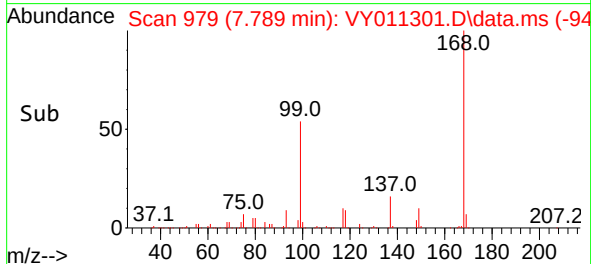
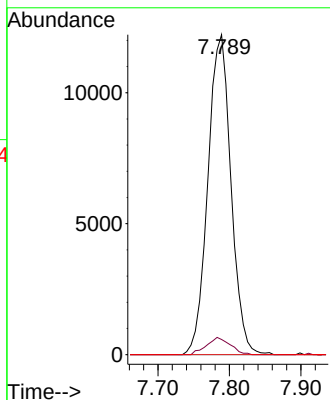


#38
Carbon Tetrachloride
Concen: 4.972 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011301.D
Acq: 04 Nov 2022 16:46

Instrument :
MSVOA_Y
ClientSampleId :

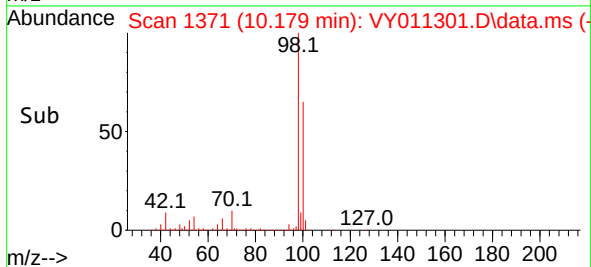
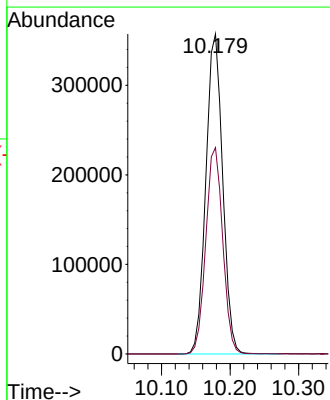
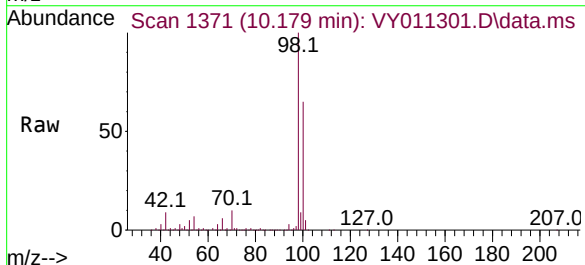


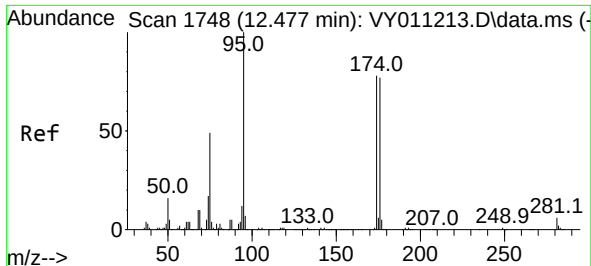
Tgt Ion:117 Resp: 27428
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.182 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011301.D
Acq: 04 Nov 2022 16:46

Tgt Ion: 98 Resp: 609056
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

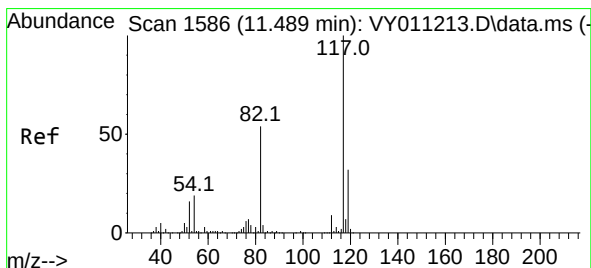
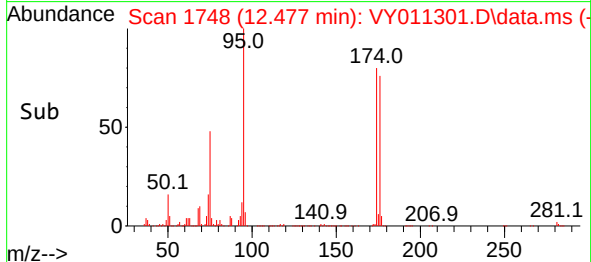
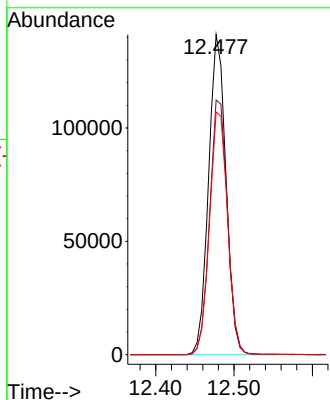
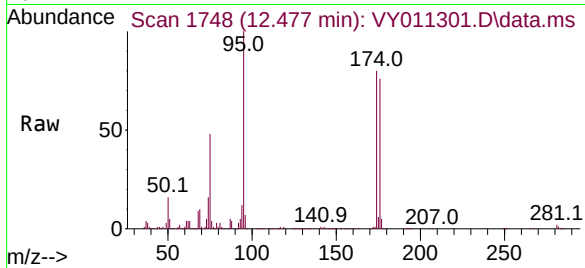




#62
4-Bromofluorobenzene
Concen: 49.601 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011301.D
Acq: 04 Nov 2022 16:46

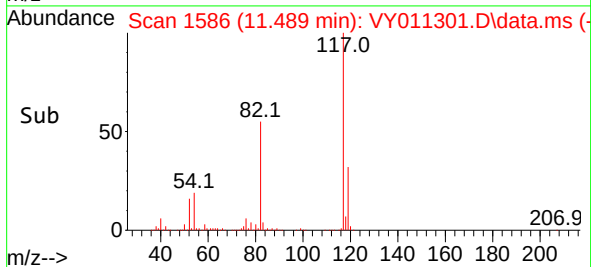
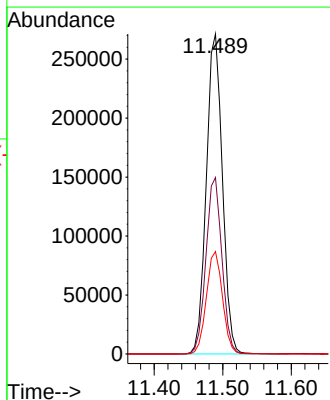
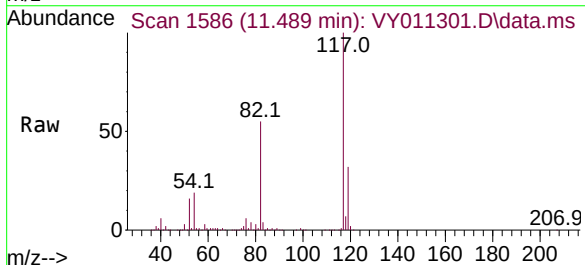
Instrument :
MSVOA_Y
ClientSampleId :

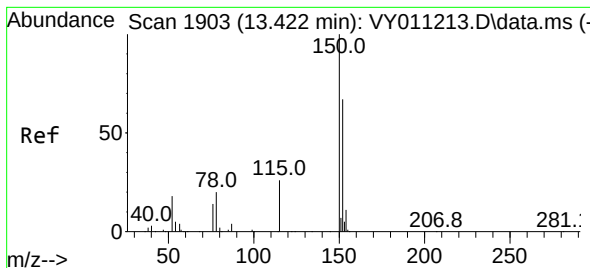
Tgt Ion: 95 Resp: 217669
Ion Ratio Lower Upper
95 100
174 82.1 0.0 177.0
176 78.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011301.D
Acq: 04 Nov 2022 16:46

Tgt Ion: 117 Resp: 443183
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 32.0 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY011301.D

Acq: 04 Nov 2022 16:46

Instrument :

MSVOA_Y

ClientSampleId :

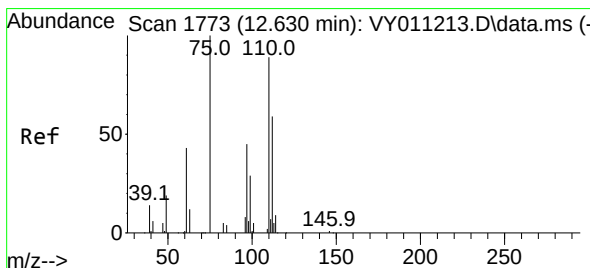
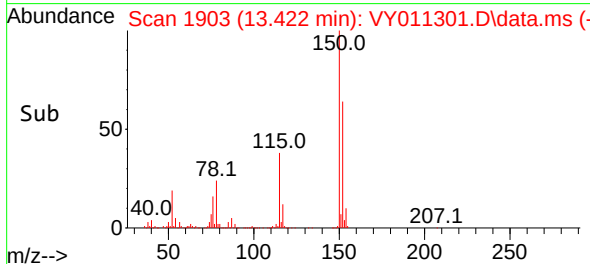
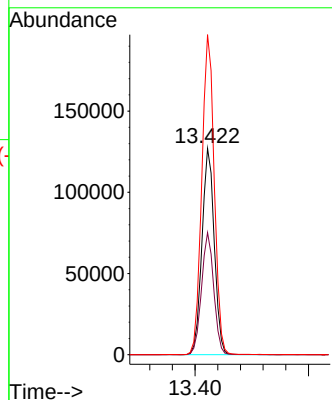
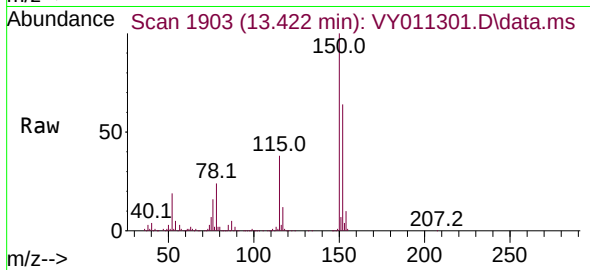
Tgt Ion:152 Resp: 191503

Ion Ratio Lower Upper

152 100

115 58.8 28.2 84.7

150 157.1 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 45.150 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY011301.D

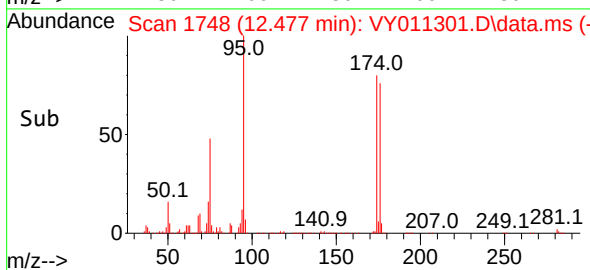
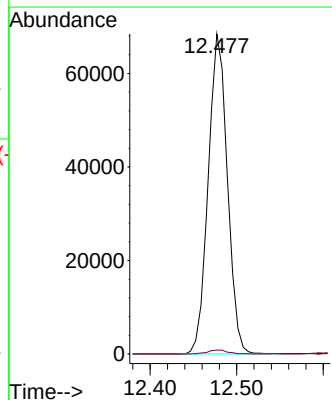
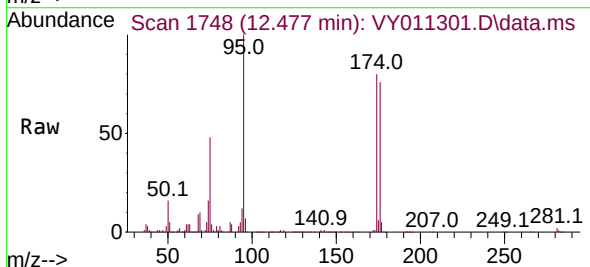
Acq: 04 Nov 2022 16:46

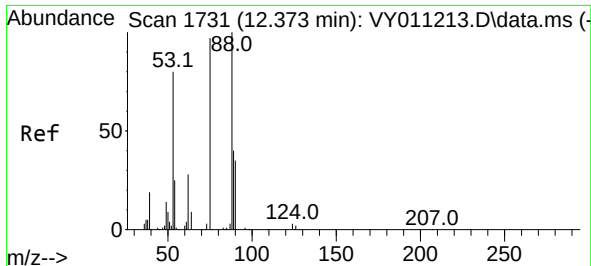
Tgt Ion: 75 Resp: 105262

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

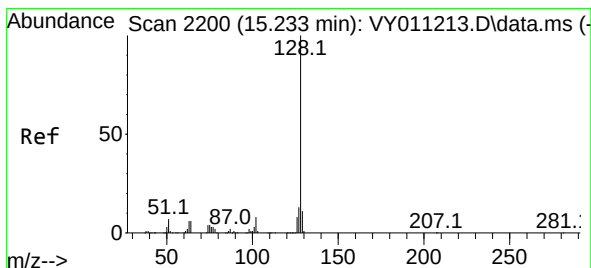
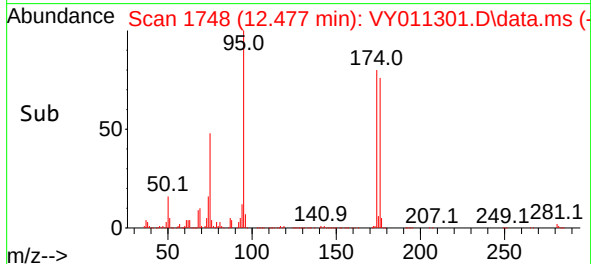
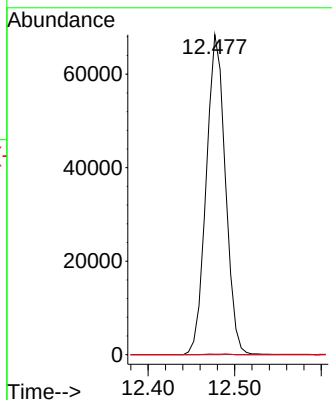
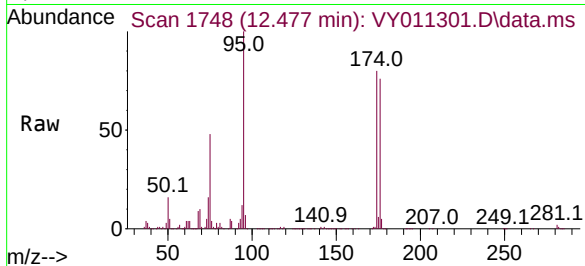




#81
trans-1,4-Dichloro-2-butene
Concen: 96.627 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011301.D
Acq: 04 Nov 2022 16:46

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 105262
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.142 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011301.D
Acq: 04 Nov 2022 16:46

Tgt Ion: 128 Resp: 1604
Ion Ratio Lower Upper
128 100
127 11.0 11.0 16.4
129 7.8 8.4 12.6#

