

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110422\
 Data File : VY011311.D
 Acq On : 04 Nov 2022 20:32
 Operator : KP/MD
 Sample : N5436-02
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 07 01:55:27 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)

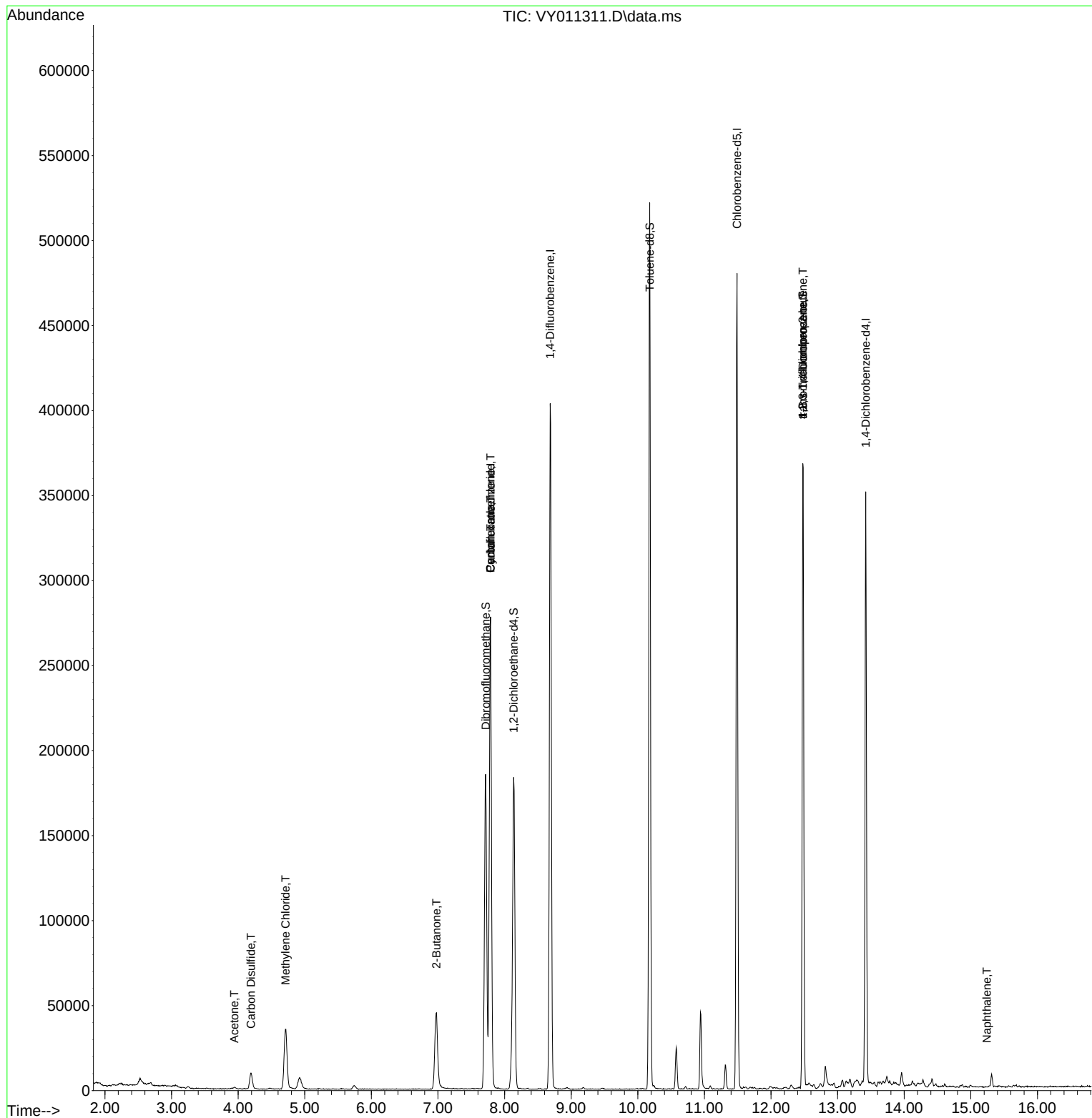
Internal Standards						
1) Pentafluorobenzene	7.789	168	219396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	361739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	269514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	92022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	136341	58.105	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.220%	
35) Dibromofluoromethane	7.716	113	135168	58.158	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.320%	
50) Toluene-d8	10.179	98	354652	39.302	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 78.600%	
62) 4-Bromofluorobenzene	12.477	95	114395	36.517	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 73.040%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	394	Below Cal		91
11) Tert butyl alcohol	4.917	59	7211	Below Cal	#	77
16) Acetone	3.942	43	1878	2.651	ug/l	95
17) Carbon Disulfide	4.192	76	16462	2.100	ug/l	98
20) Methylene Chloride	4.710	84	29204	5.618	ug/l #	82
25) 2-Butanone	6.978	43	2656	2.665	ug/l #	88
31) Cyclohexane	7.789	56	4420	1.016	ug/l #	1
38) Carbon Tetrachloride	7.789	117	20998	5.333	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	56966	50.849	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	56966	108.824	ug/l #	7
95) Naphthalene	15.239	128	227	4.020	ug/l #	69

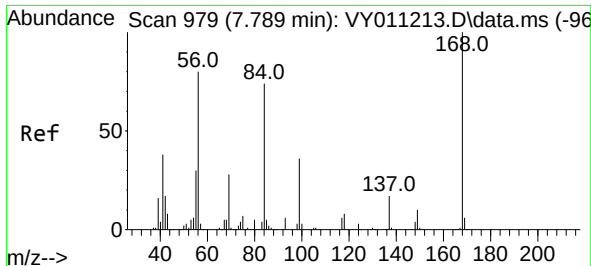
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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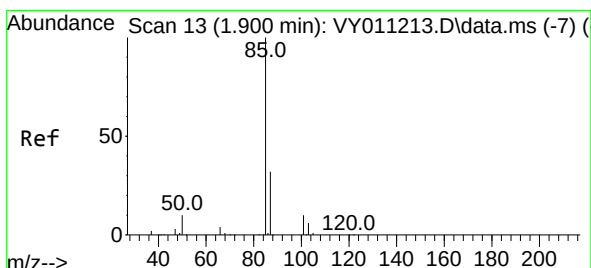
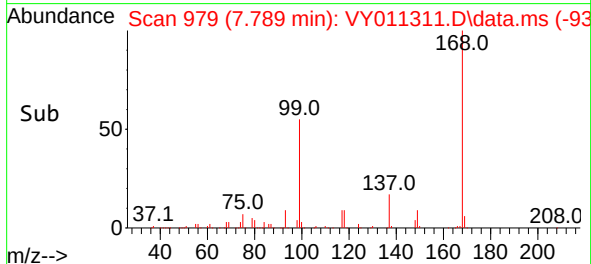
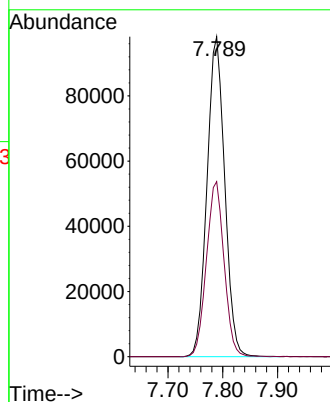
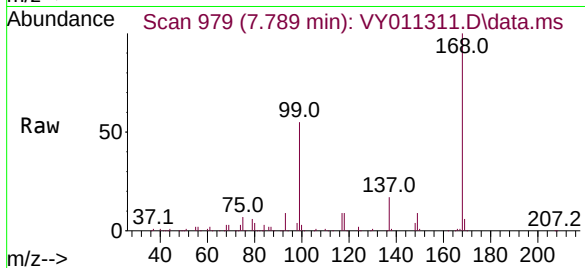




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011311.D
Acq: 04 Nov 2022 20:32

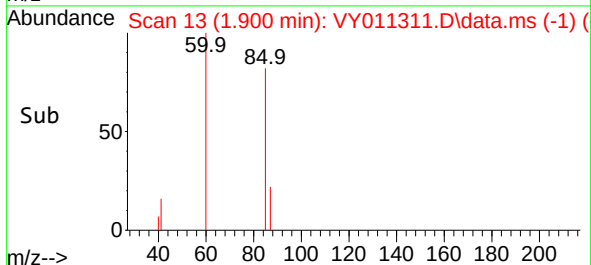
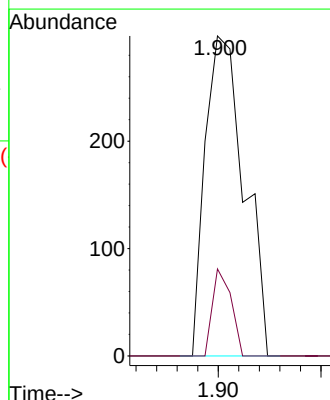
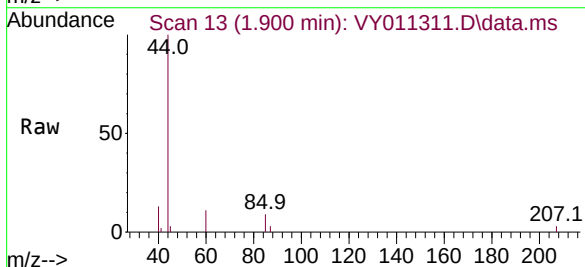
Instrument :
MSVOA_Y
ClientSampleId :

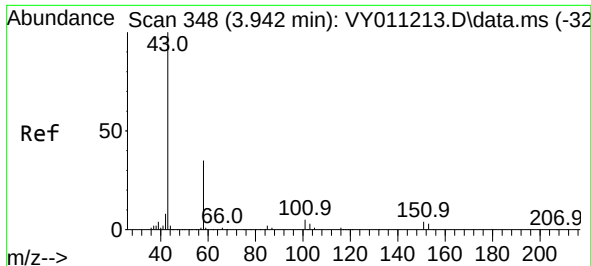
Tgt Ion:168 Resp: 219396
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011311.D
Acq: 04 Nov 2022 20:32

Tgt Ion: 85 Resp: 394
Ion Ratio Lower Upper
85 100
87 27.2 16.1 48.2





#16

Acetone

Concen: 2.651 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

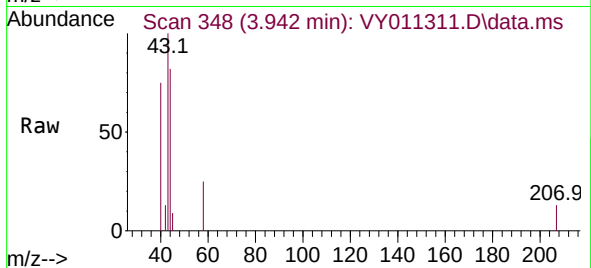
Lab File: VY011311.D

Acq: 04 Nov 2022 20:32

Instrument :

MSVOA_Y

ClientSampleId :

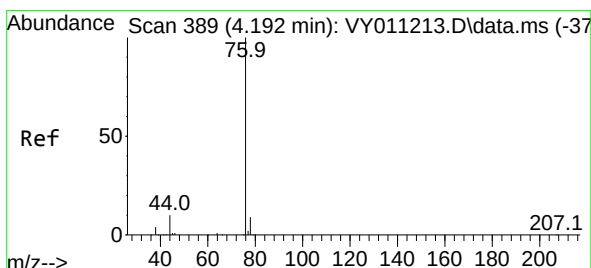
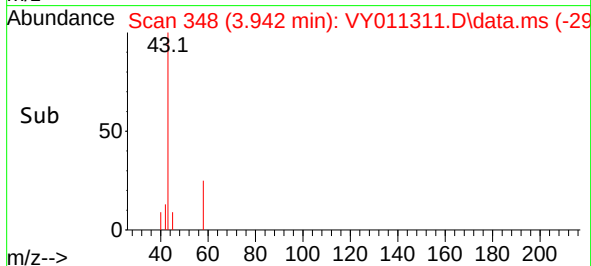
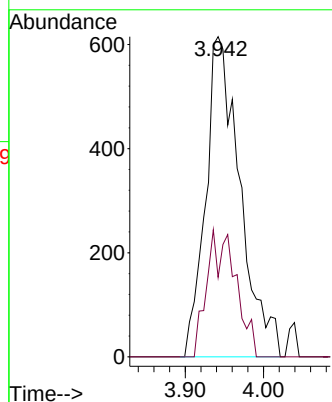


Tgt Ion: 43 Resp: 1878

Ion Ratio Lower Upper

43 100

58 24.9 22.0 33.0



#17

Carbon Disulfide

Concen: 2.100 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.006 min

Lab File: VY011311.D

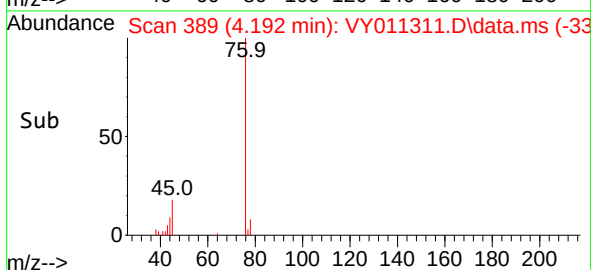
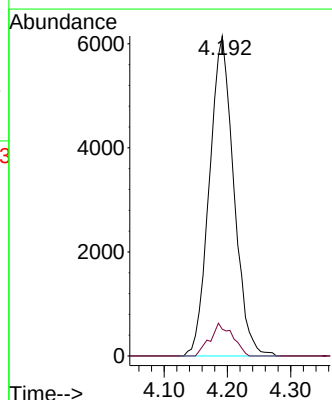
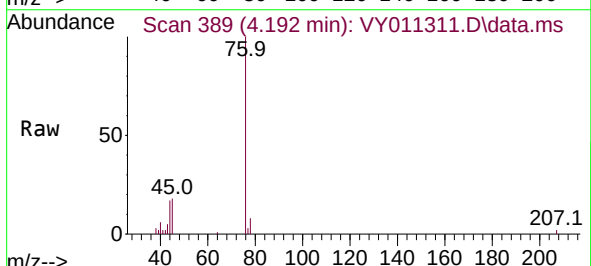
Acq: 04 Nov 2022 20:32

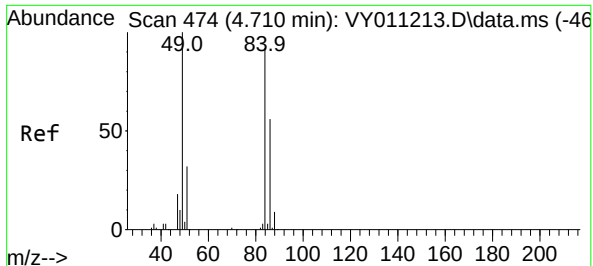
Tgt Ion: 76 Resp: 16462

Ion Ratio Lower Upper

76 100

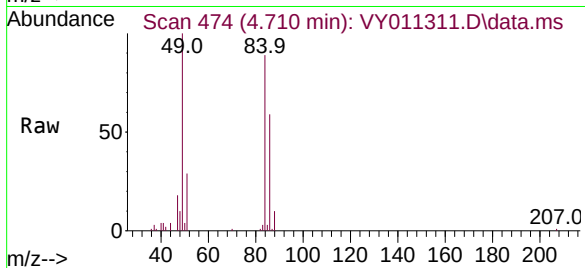
78 8.3 7.4 11.0



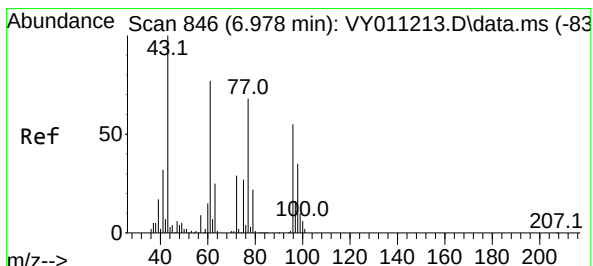
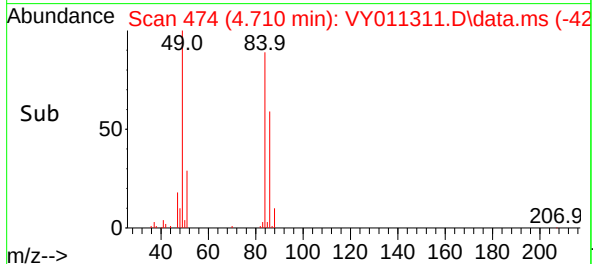
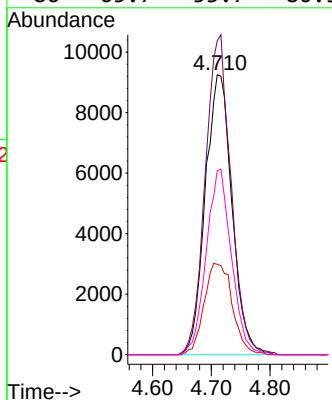


#20
Methylene Chloride
Concen: 5.618 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY011311.D
Acq: 04 Nov 2022 20:32

Instrument :
MSVOA_Y
ClientSampleId :

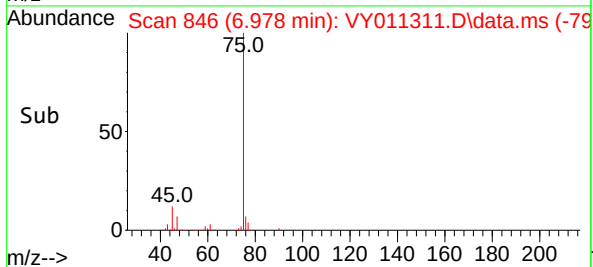
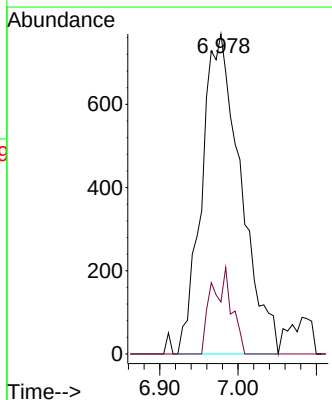
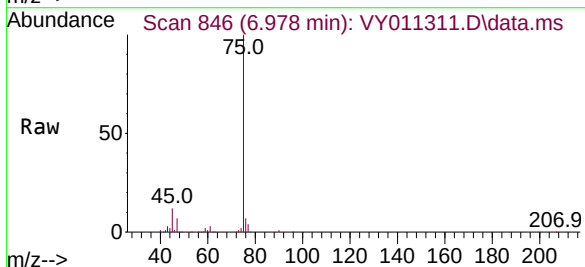


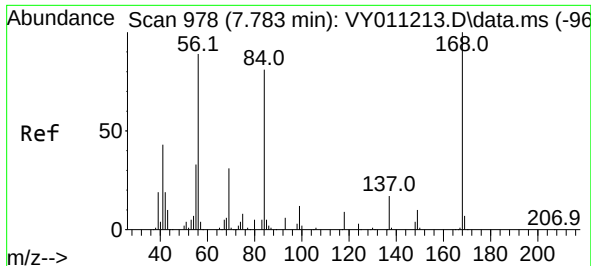
Tgt Ion:	84	Resp:	29204
Ion	Ratio	Lower	Upper
84	100		
49	112.2	114.4	171.6#
51	32.3	35.3	52.9#
86	65.7	53.7	80.5



#25
2-Butanone
Concen: 2.665 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY011311.D
Acq: 04 Nov 2022 20:32

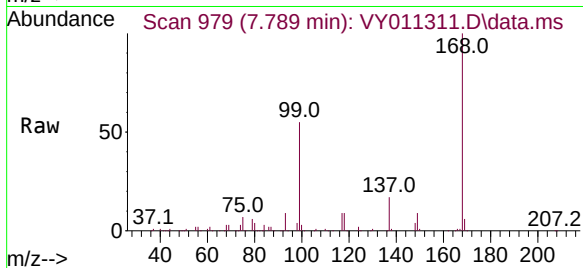
Tgt Ion:	43	Resp:	2656
Ion	Ratio	Lower	Upper
43	100		
72	16.3	17.7	26.5#



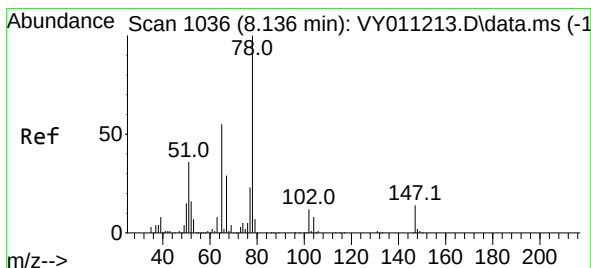
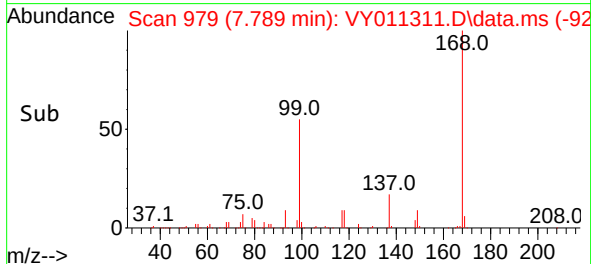
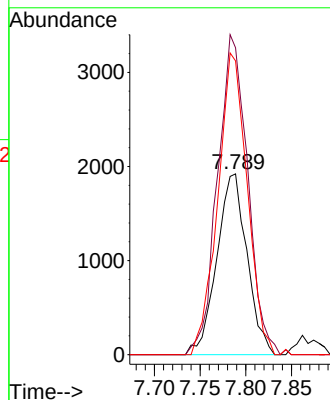


#31
Cyclohexane
Concen: 1.016 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011311.D
Acq: 04 Nov 2022 20:32

Instrument :
MSVOA_Y
ClientSampleId :

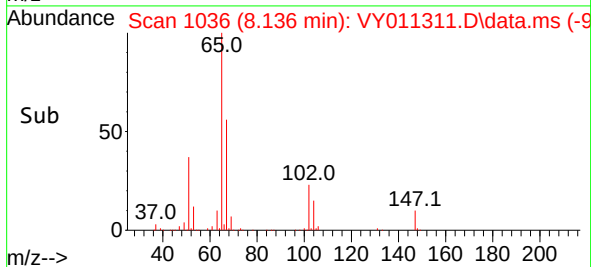
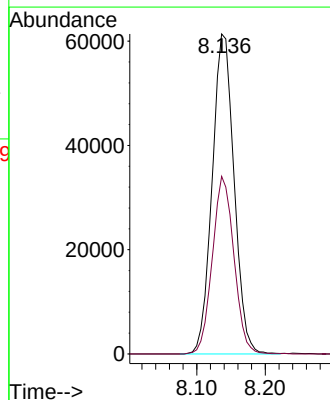
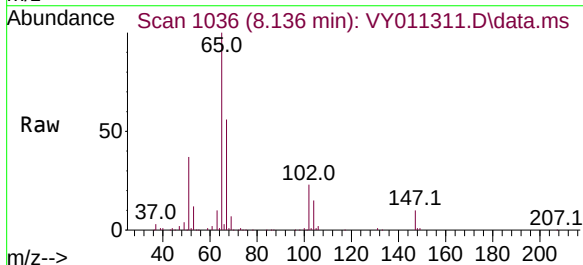


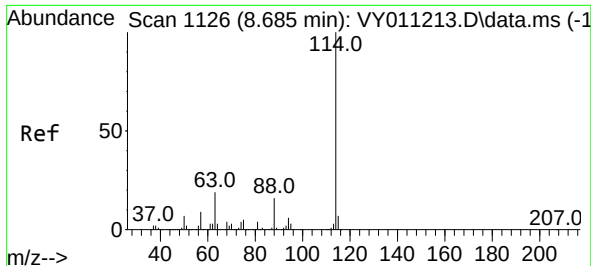
Tgt Ion: 56 Resp: 4420
Ion Ratio Lower Upper
56 100
69 169.7 26.7 40.1#
84 162.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 58.105 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011311.D
Acq: 04 Nov 2022 20:32

Tgt Ion: 65 Resp: 136341
Ion Ratio Lower Upper
65 100
67 54.6 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: VY011311.D

Acq: 04 Nov 2022 20:32

Instrument :

MSVOA_Y

ClientSampleId :

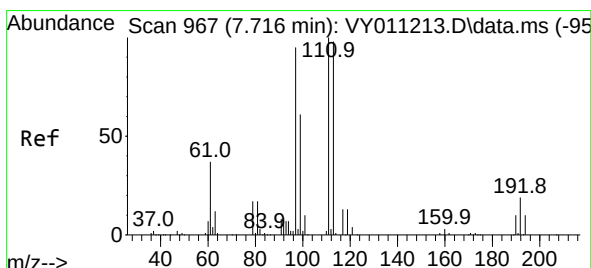
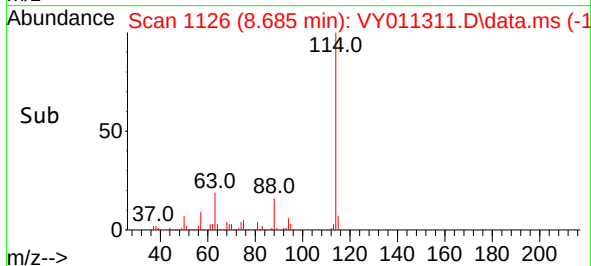
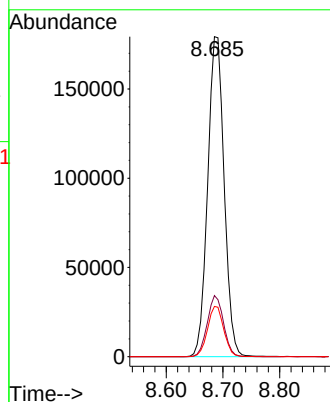
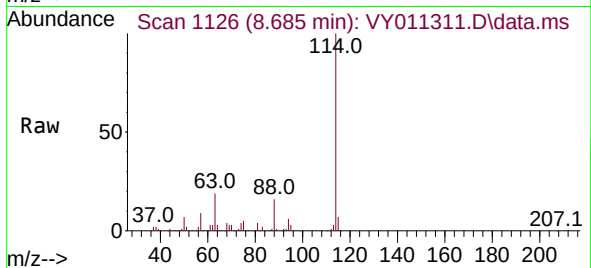
Tgt Ion:114 Resp: 361739

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 58.158 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011311.D

Acq: 04 Nov 2022 20:32

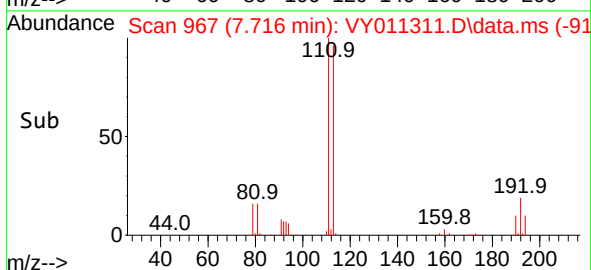
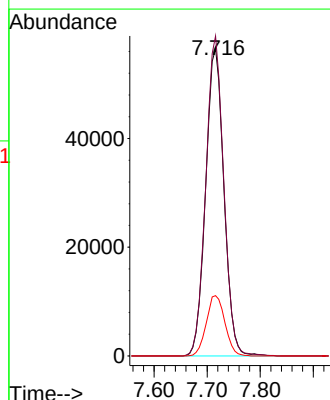
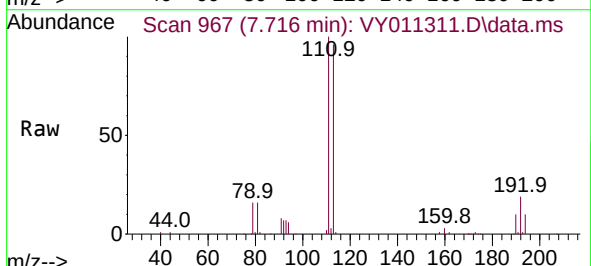
Tgt Ion:113 Resp: 135168

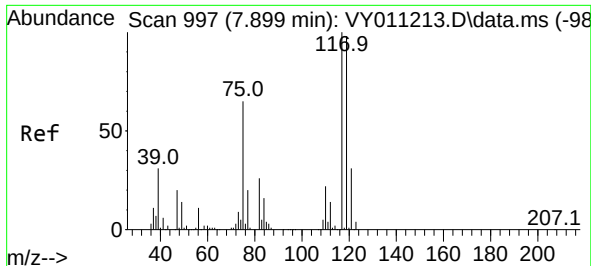
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

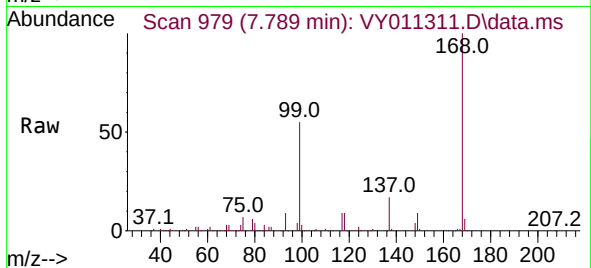
192 20.0 17.6 26.4



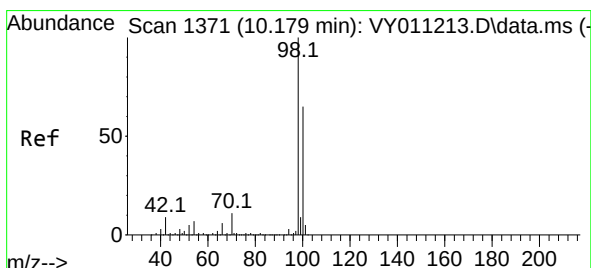
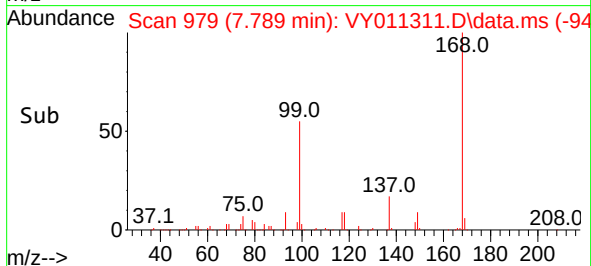
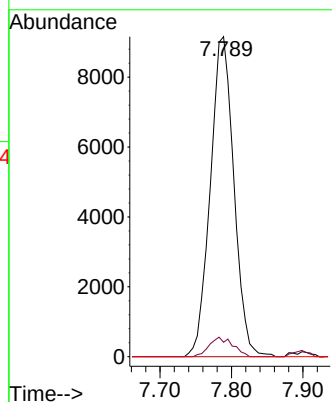


#38
Carbon Tetrachloride
Concen: 5.333 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011311.D
Acq: 04 Nov 2022 20:32

Instrument :
MSVOA_Y
ClientSampleId :

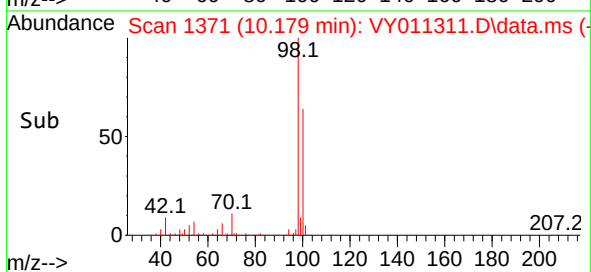
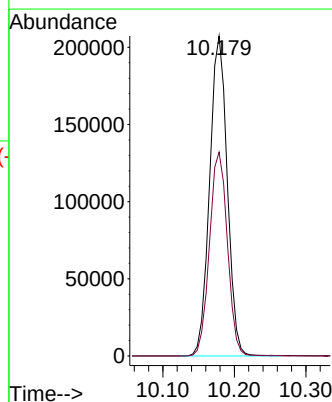
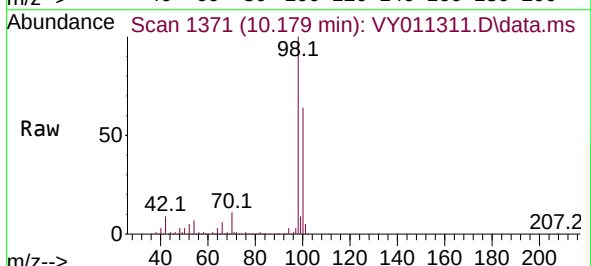


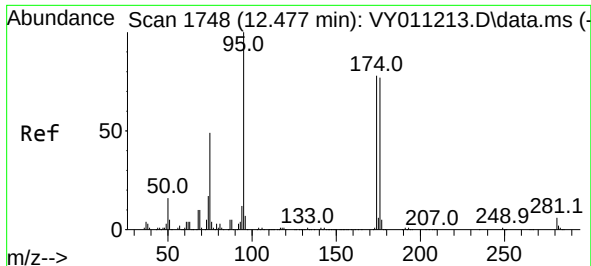
Tgt Ion:117 Resp: 20998
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 39.302 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011311.D
Acq: 04 Nov 2022 20:32

Tgt Ion: 98 Resp: 354652
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 36.517 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY011311.D

Acq: 04 Nov 2022 20:32

Instrument :

MSVOA_Y

ClientSampleId :

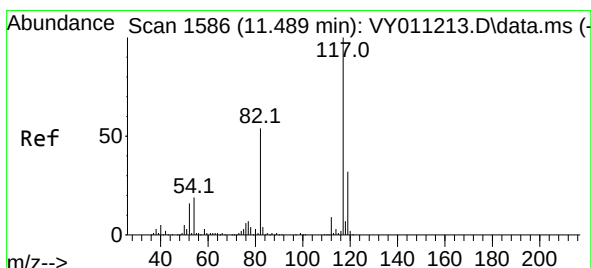
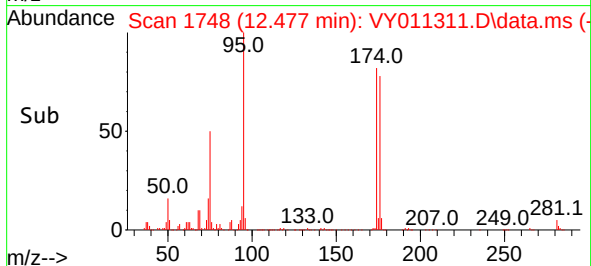
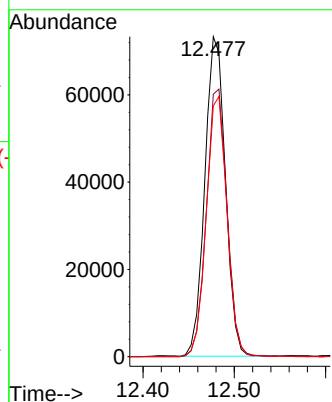
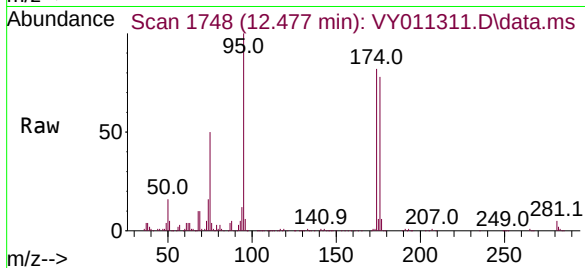
Tgt Ion: 95 Resp: 114395

Ion Ratio Lower Upper

95 100

174 84.3 0.0 177.0

176 81.7 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: VY011311.D

Acq: 04 Nov 2022 20:32

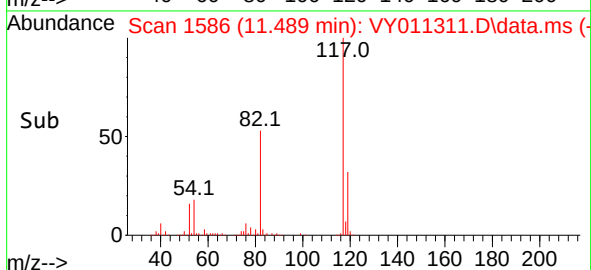
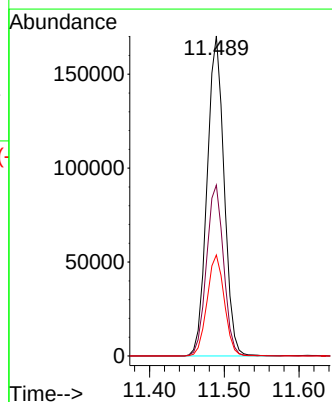
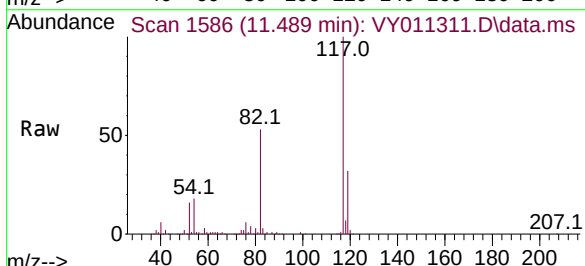
Tgt Ion: 117 Resp: 269514

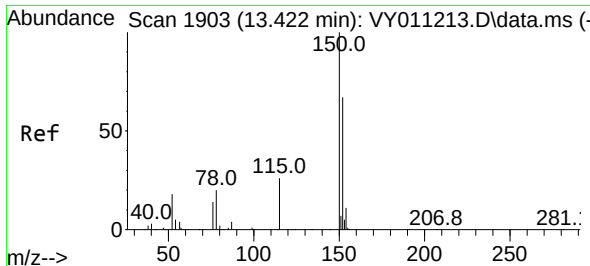
Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.4

119 31.6 25.4 38.0

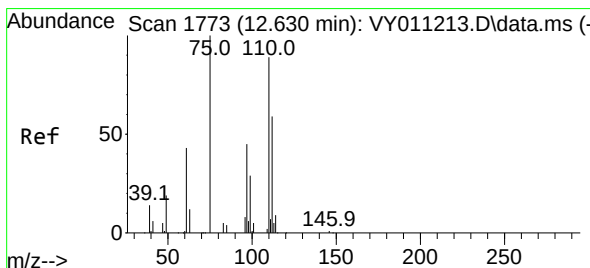
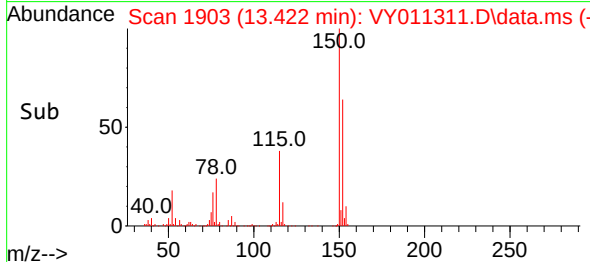
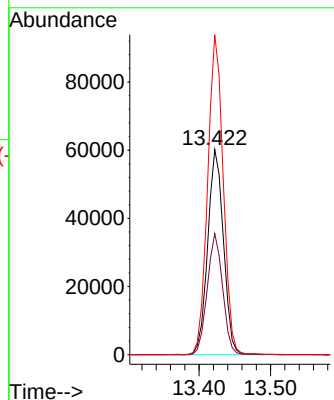
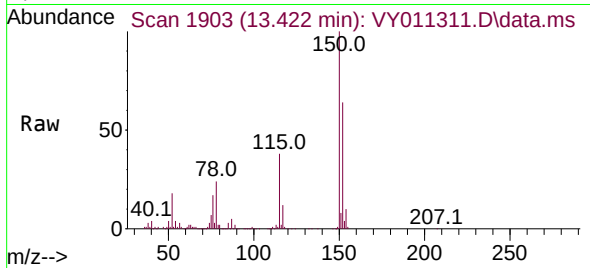




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY011311.D
 Acq: 04 Nov 2022 20:32

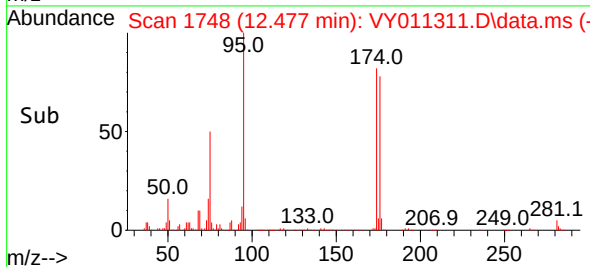
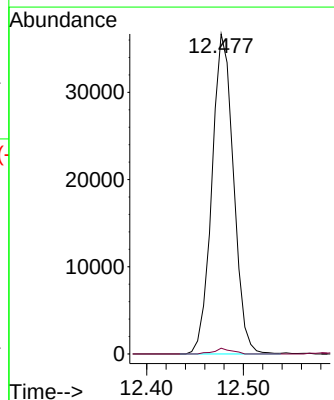
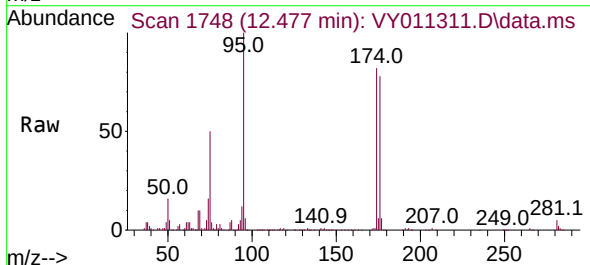
Instrument :
 MSVOA_Y
 ClientSampleId :

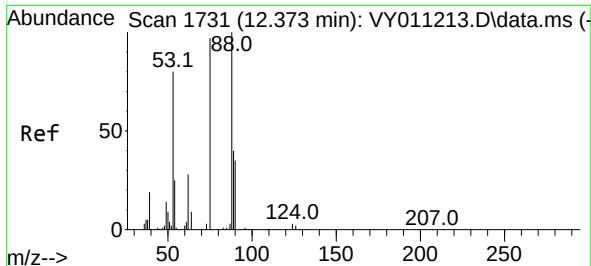
Tgt Ion:152 Resp: 92022
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.2 84.7
 150 154.1 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 50.849 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY011311.D
 Acq: 04 Nov 2022 20:32

Tgt Ion: 75 Resp: 56966
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

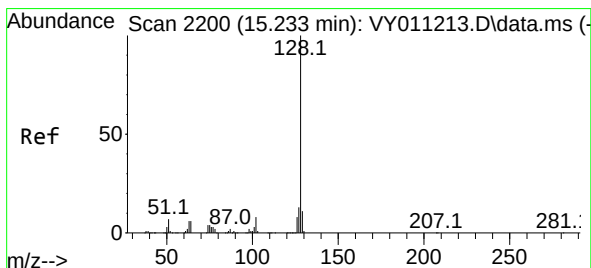
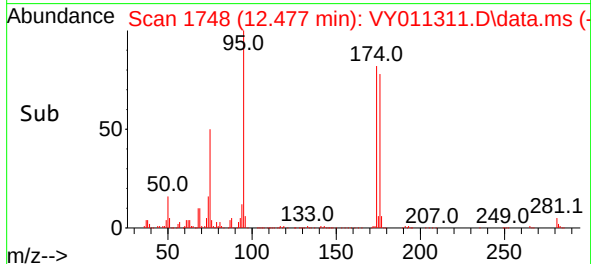
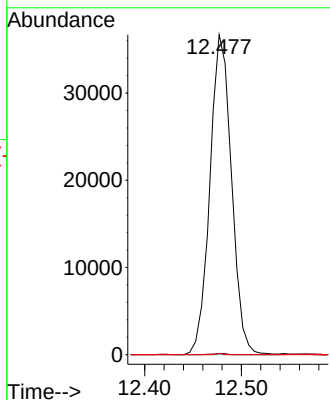
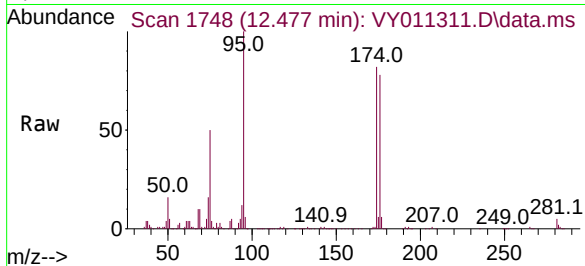




#81
trans-1,4-Dichloro-2-butene
Concen: 108.824 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011311.D
Acq: 04 Nov 2022 20:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 56966
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.020 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY011311.D
Acq: 04 Nov 2022 20:32

Tgt Ion:128 Resp: 227
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

