

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111622\
 Data File : VY011475.D
 Acq On : 16 Nov 2022 15:53
 Operator : KP/MD
 Sample : N5641-05
 Misc : 6.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 17 03:16:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

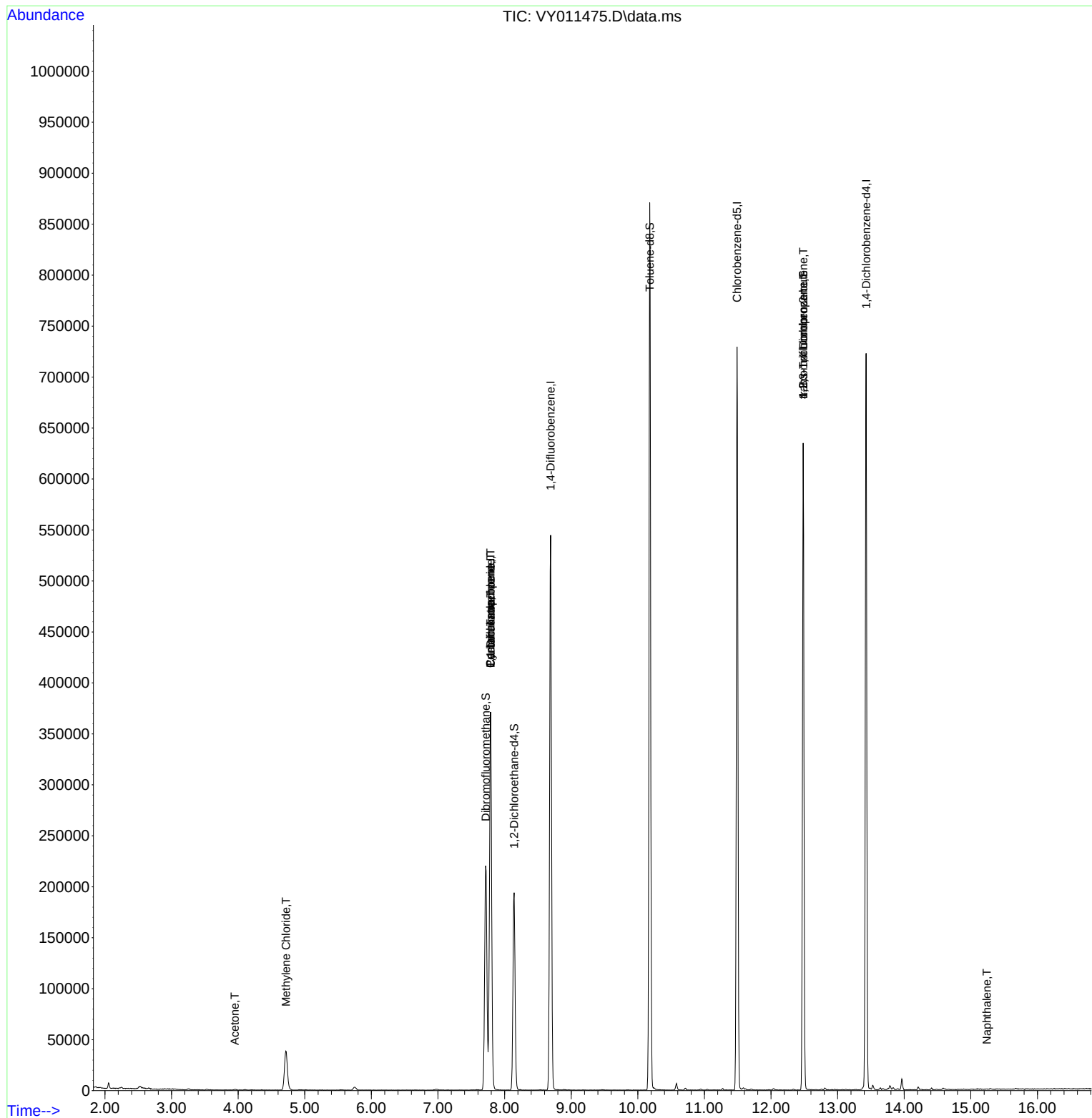
Internal Standards						
1) Pentafluorobenzene	7.789	168	301176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	494138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	437641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	196445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	151958	60.211	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.420%	
35) Dibromofluoromethane	7.715	113	161551	58.337	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.680%	
50) Toluene-d8	10.178	98	594195	56.165	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.340%	
62) 4-Bromofluorobenzene	12.483	95	195251	52.913	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.820%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	75	Below Cal	#	43
11) Tert butyl alcohol	4.942	59	203	Below Cal	#	77
16) Acetone	3.948	43	953	1.431	ug/l	94
18) Methyl Acetate	4.722	43	200	Below Cal	#	56
20) Methylene Chloride	4.716	84	32395	1.713	ug/l	# 77
31) Cyclohexane	7.789	56	4659	1.027	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	19805	4.608	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	28631	6.124	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	91729	40.340	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	91729	96.965	ug/l	# 7
95) Naphthalene	15.238	128	421	3.328	ug/l	# 69

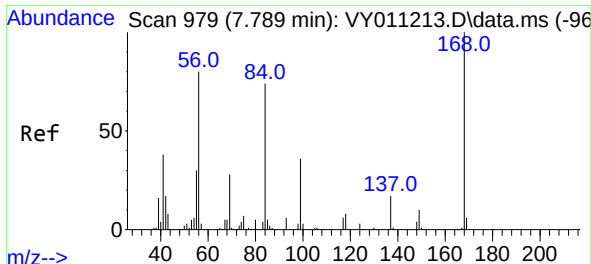
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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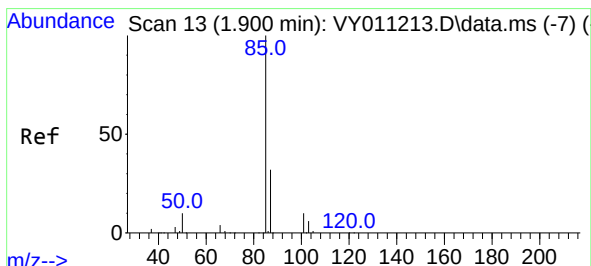
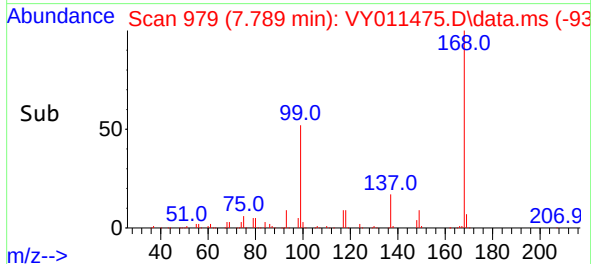
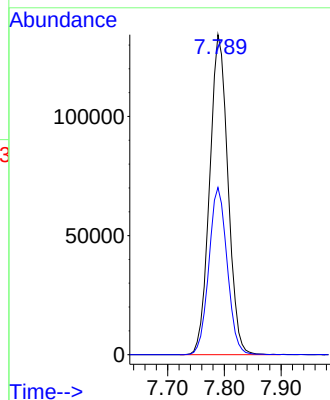
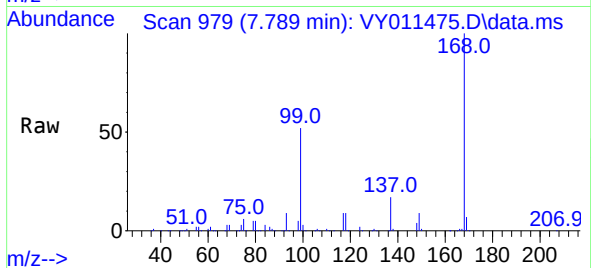




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

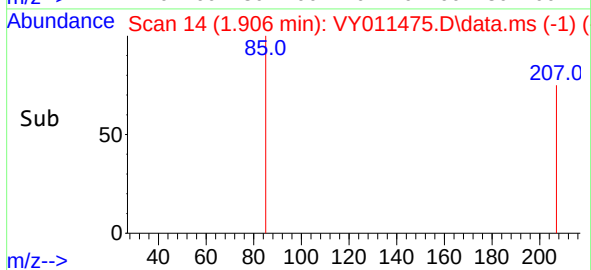
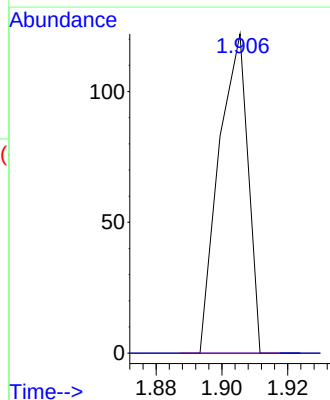
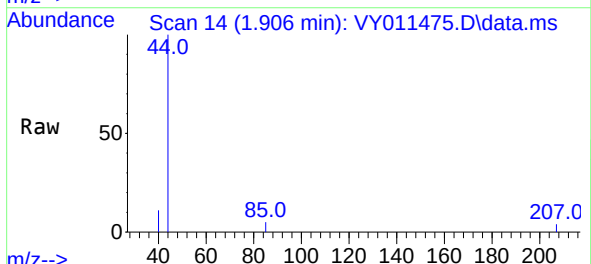
Instrument :
MSVOA_Y
ClientSampleId :

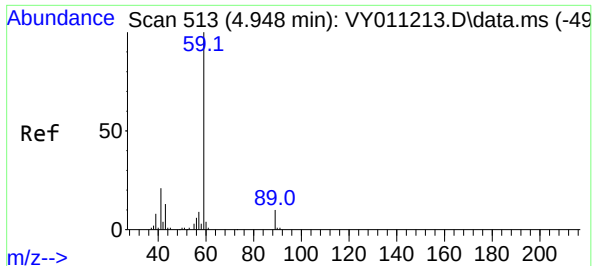
Tgt Ion:168 Resp: 301176
Ion Ratio Lower Upper
168 100
99 52.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

Tgt Ion: 85 Resp: 75
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY011475.D

Acq: 16 Nov 2022 15:53

Instrument :

MSVOA_Y

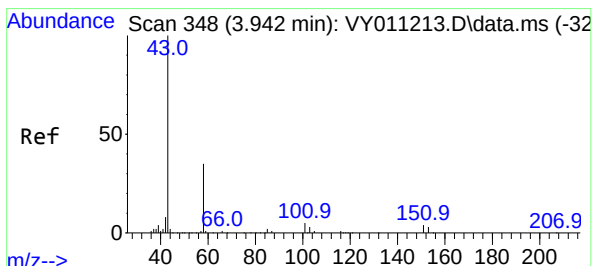
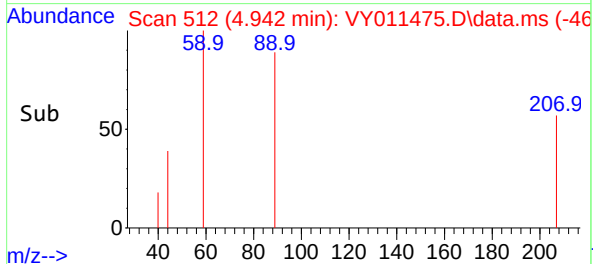
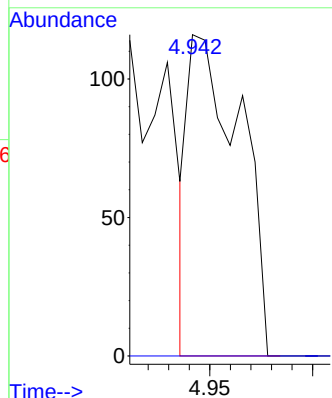
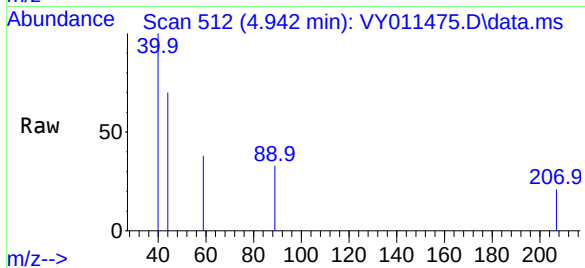
ClientSampleId :

Tgt Ion: 59 Resp: 203

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.431 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY011475.D

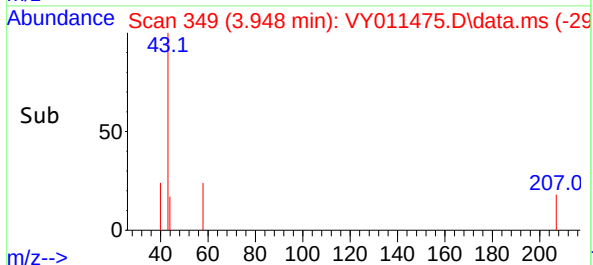
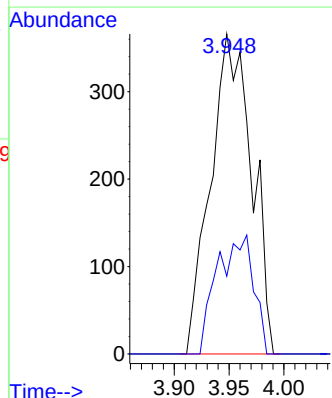
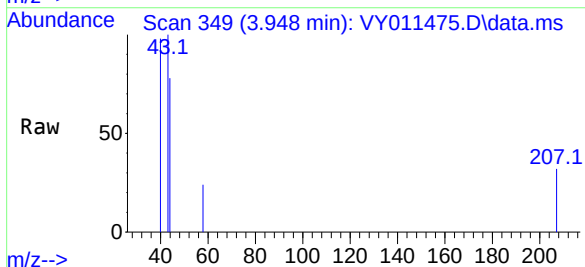
Acq: 16 Nov 2022 15:53

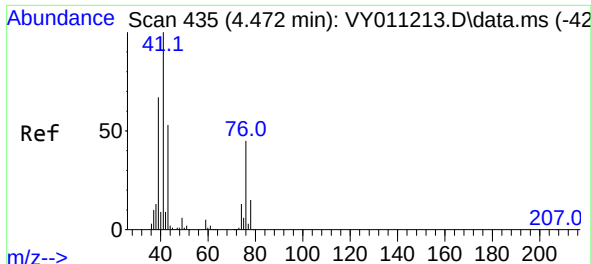
Tgt Ion: 43 Resp: 953

Ion Ratio Lower Upper

43 100

58 24.3 22.0 33.0

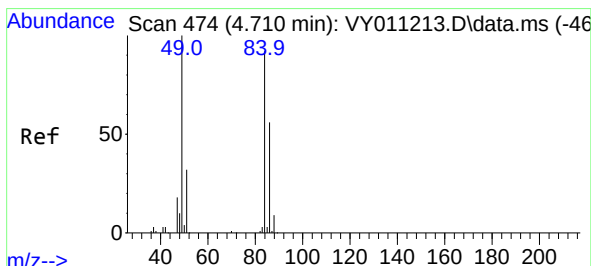
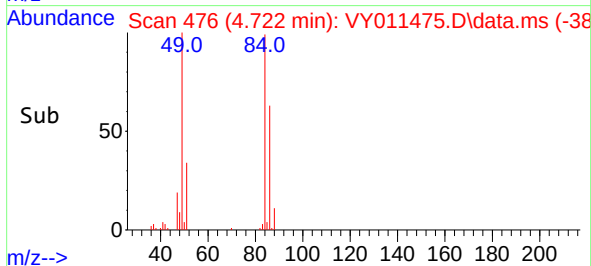
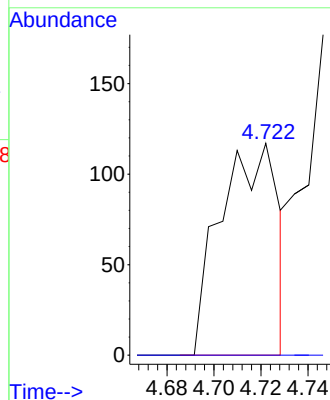
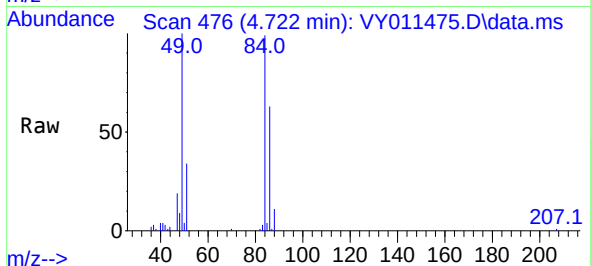




#18
Methyl Acetate
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.249 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

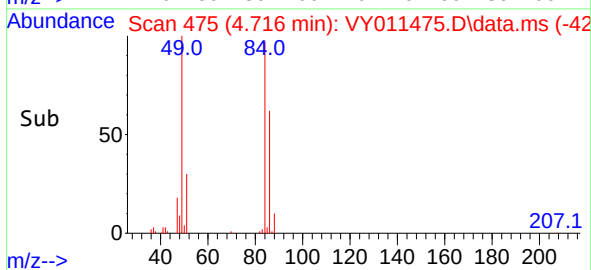
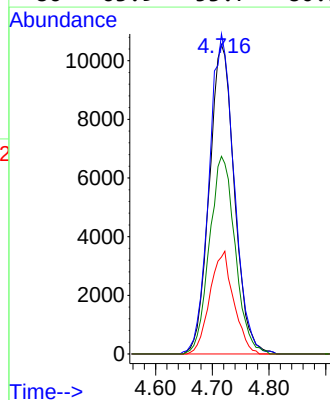
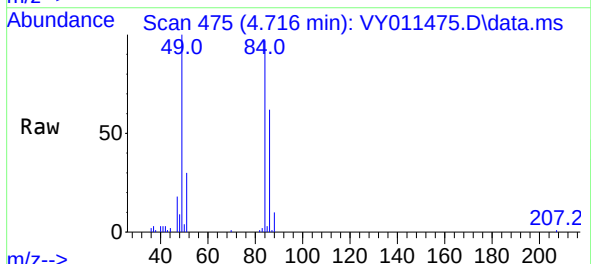
Instrument :
MSVOA_Y
ClientSampleId :

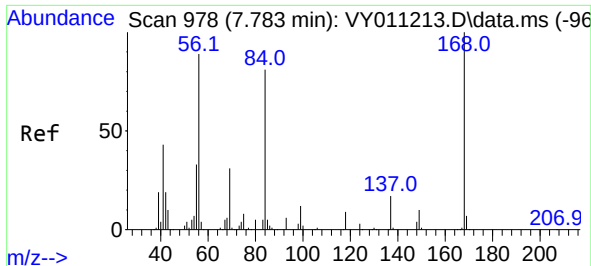
Tgt Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 1.713 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

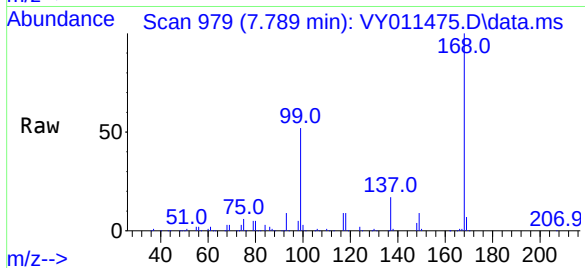
Tgt Ion: 84 Resp: 32395
Ion Ratio Lower Upper
84 100
49 103.5 114.4 171.6#
51 31.3 35.3 52.9#
86 63.9 53.7 80.5



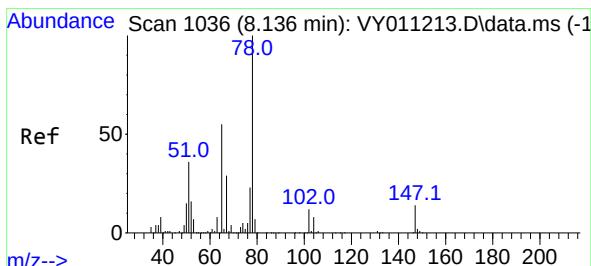
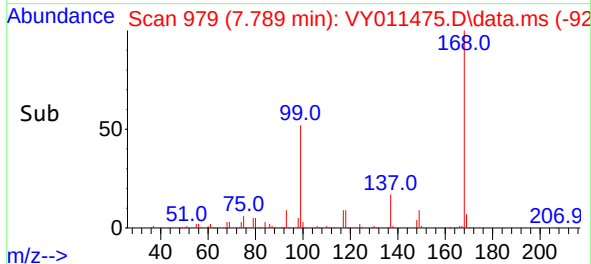
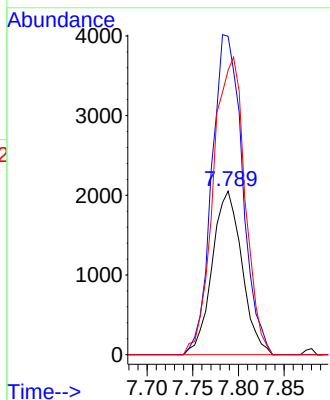


#31
Cyclohexane
Concen: 1.027 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

Instrument :
MSVOA_Y
ClientSampleId :

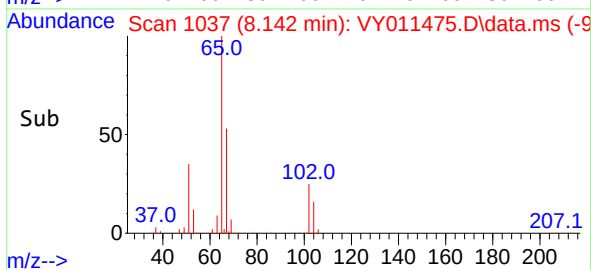
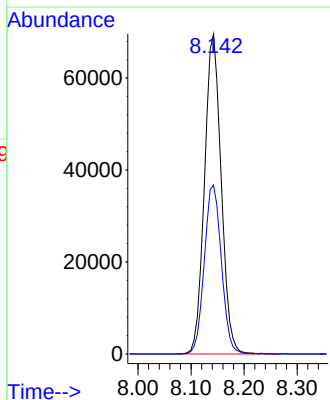
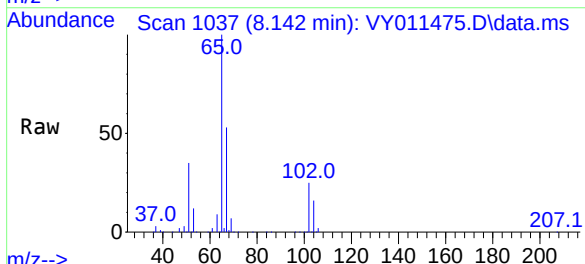


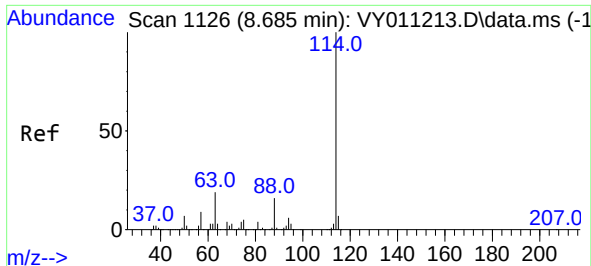
Tgt Ion: 56 Resp: 4659
Ion Ratio Lower Upper
56 100
69 194.6 26.7 40.1#
84 173.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 60.211 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

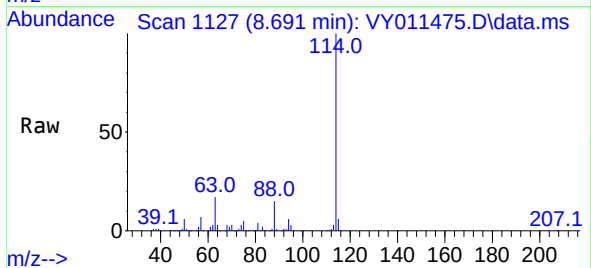
Tgt Ion: 65 Resp: 151958
Ion Ratio Lower Upper
65 100
67 54.0 0.0 99.4



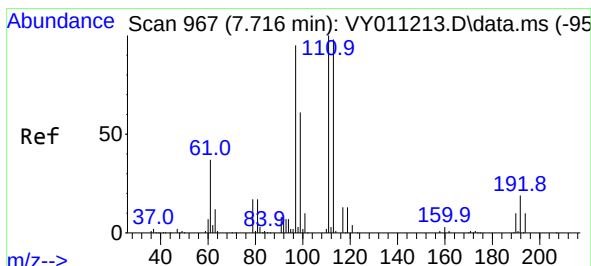
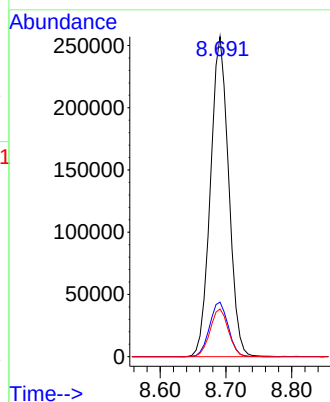
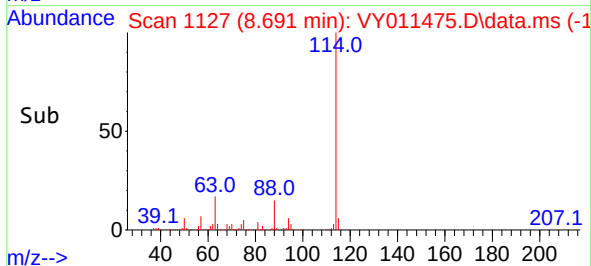


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

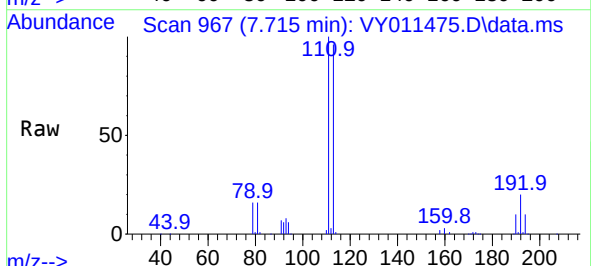
Instrument :
MSVOA_Y
ClientSampleId :



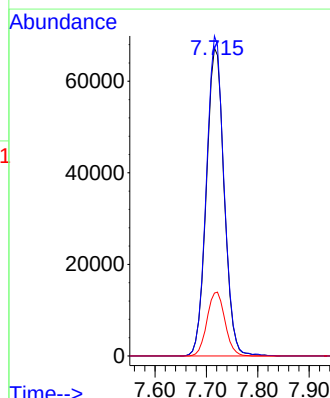
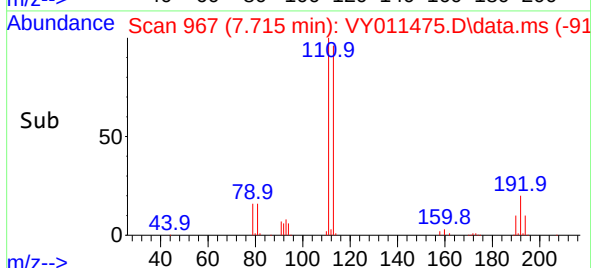
Tgt Ion:114 Resp: 494138
Ion Ratio Lower Upper
114 100
63 17.0 0.0 43.2
88 14.9 0.0 31.8

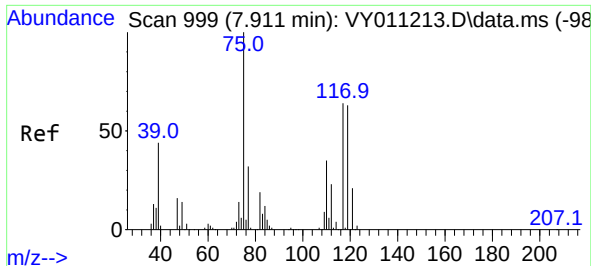


#35
Dibromofluoromethane
Concen: 58.337 ug/l
RT: 7.715 min Scan# 967
Delta R.T. 0.005 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53



Tgt Ion:113 Resp: 161551
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 21.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.608 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011475.D

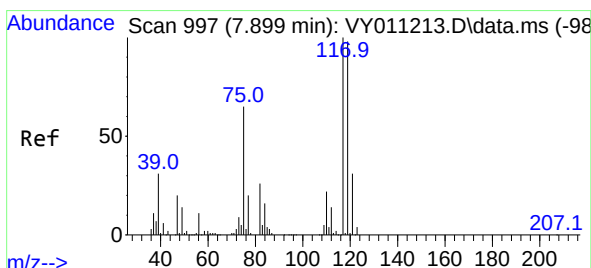
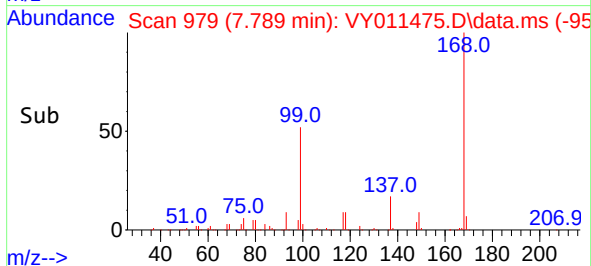
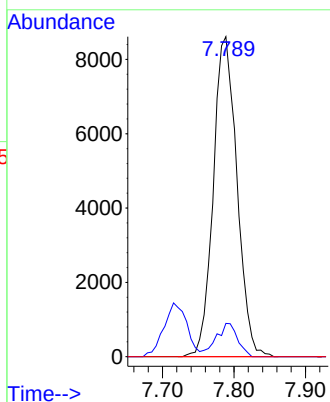
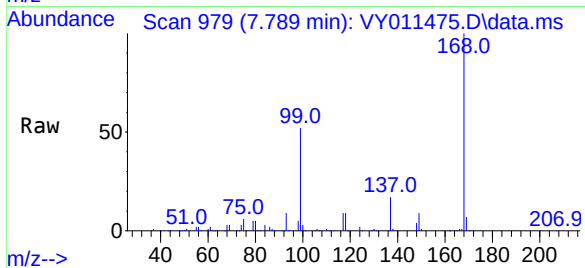
Acq: 16 Nov 2022 15:53

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	19805
Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.1	51.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.124 ug/l

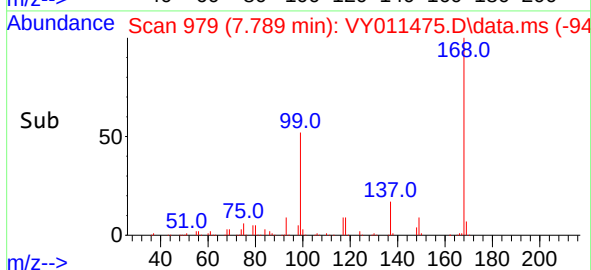
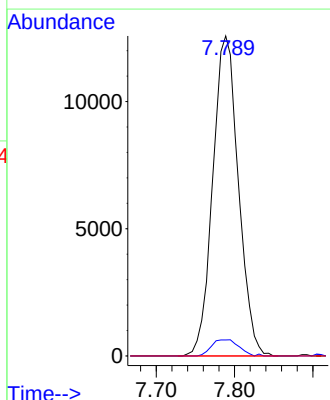
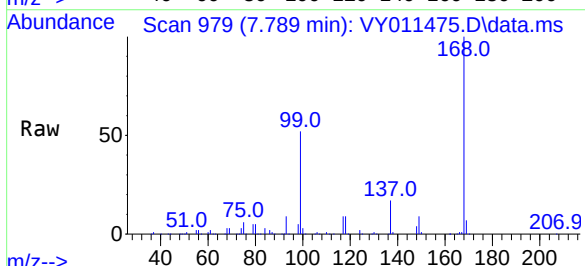
RT: 7.789 min Scan# 979

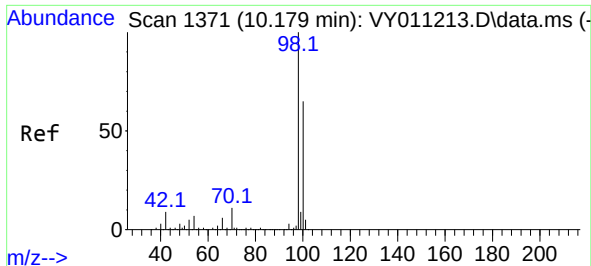
Delta R.T. -0.110 min

Lab File: VY011475.D

Acq: 16 Nov 2022 15:53

Tgt Ion:	117	Resp:	28631
Ion	Ratio	Lower	Upper
117	100		
119	5.0	77.9	116.9#
121	0.0	24.8	37.2#

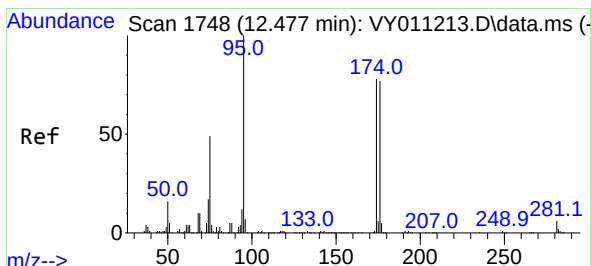
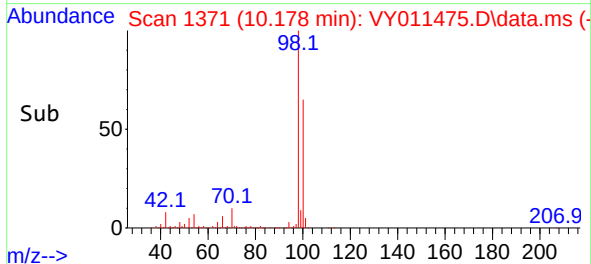
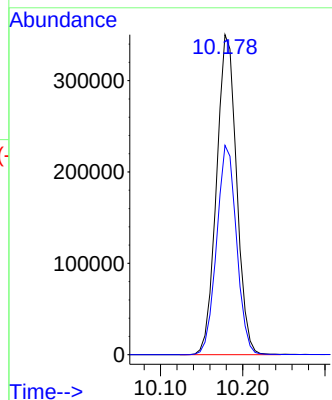
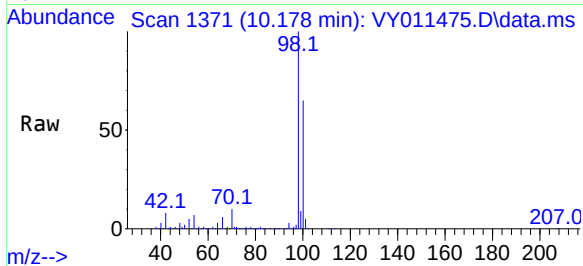




#50
Toluene-d8
Concen: 56.165 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

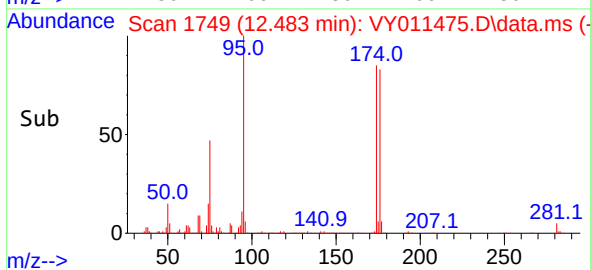
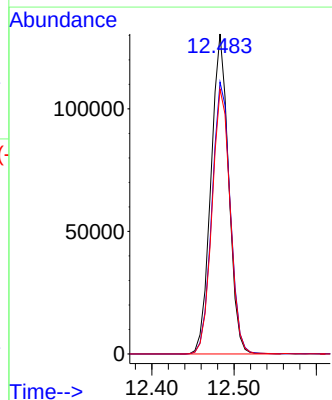
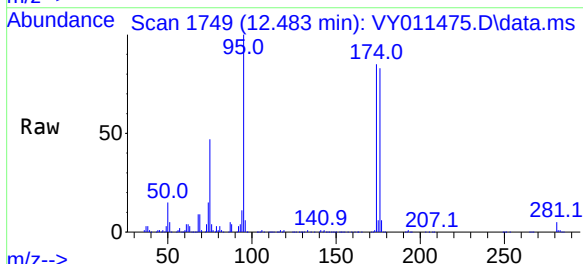
Instrument :
MSVOA_Y
ClientSampleId :

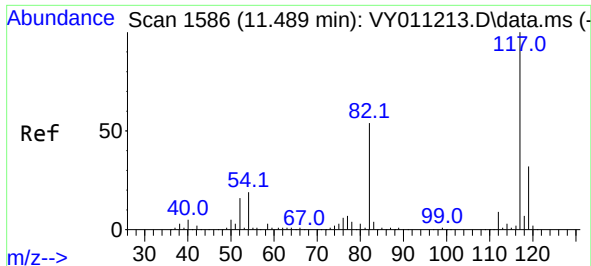
Tgt Ion: 98 Resp: 594195
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 52.913 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

Tgt Ion: 95 Resp: 195251
Ion Ratio Lower Upper
95 100
174 87.5 0.0 177.0
176 84.8 0.0 175.8

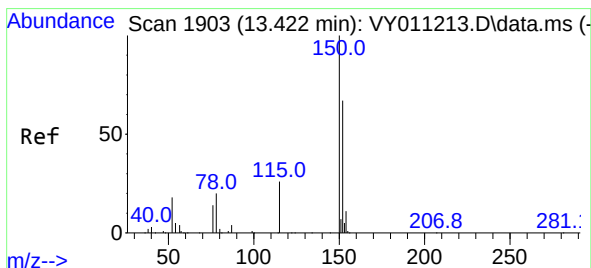
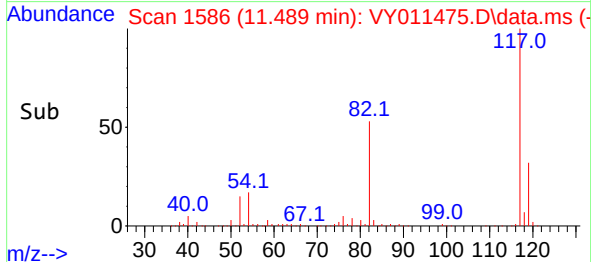
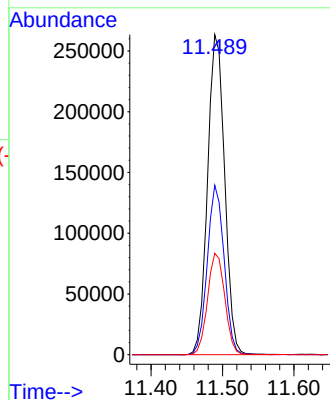
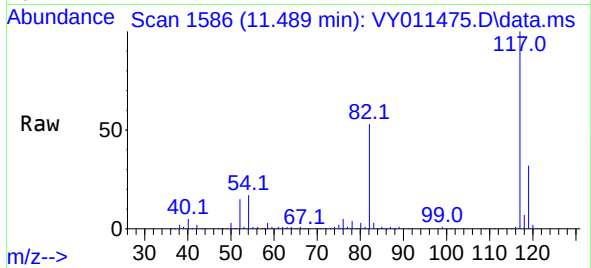




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

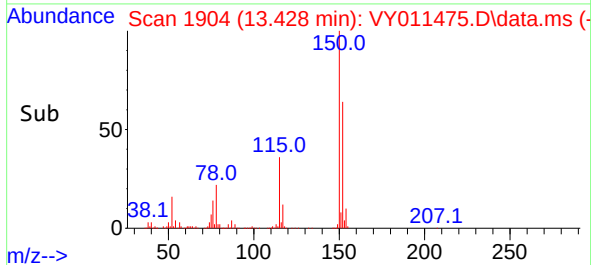
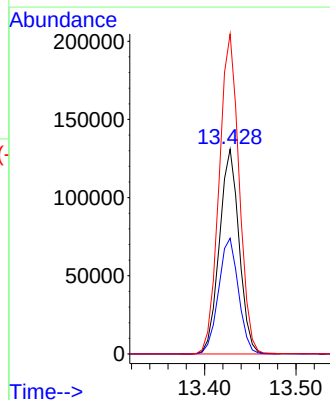
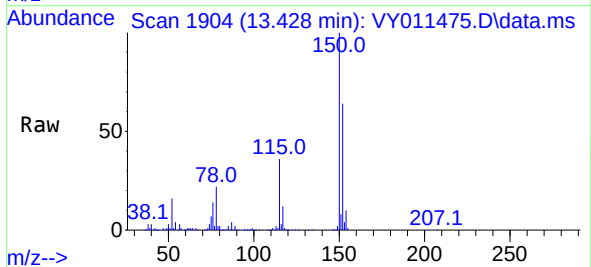
Instrument :
MSVOA_Y
ClientSampleId :

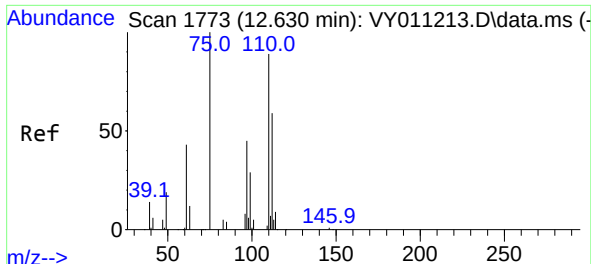
Tgt Ion:117 Resp: 437641
Ion Ratio Lower Upper
117 100
82 52.9 43.0 64.4
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

Tgt Ion:152 Resp: 196445
Ion Ratio Lower Upper
152 100
115 57.1 28.2 84.7
150 158.4 0.0 347.6

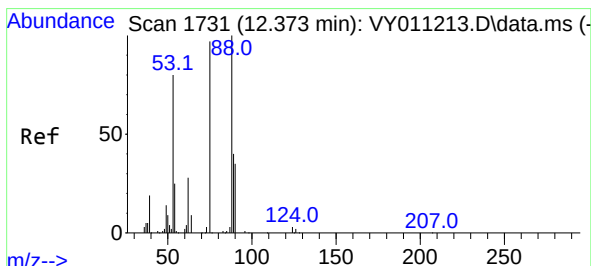
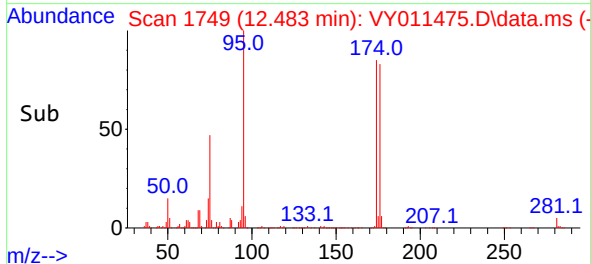
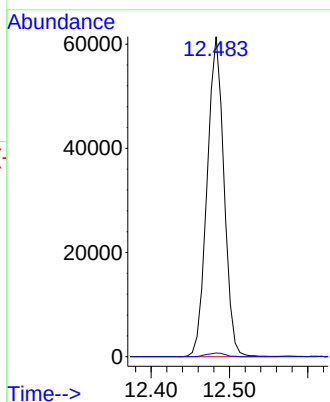
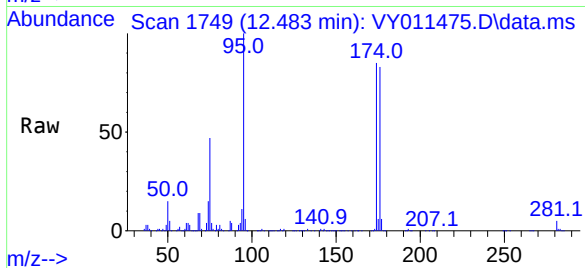




#76
1,2,3-Trichloropropane
Concen: 40.340 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

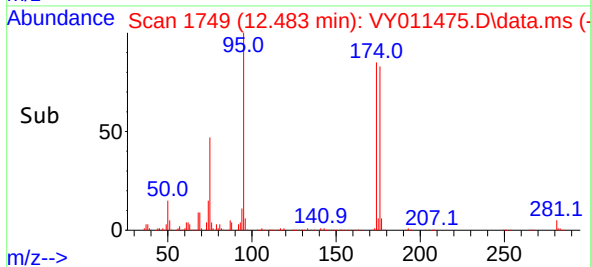
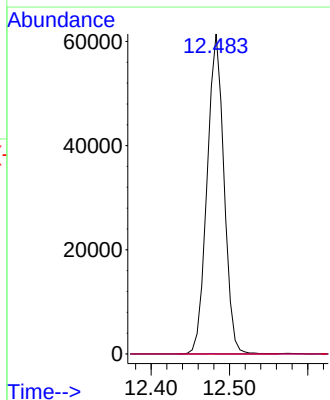
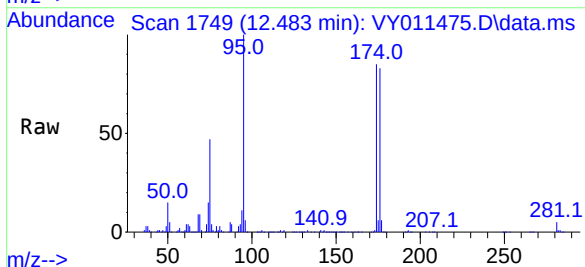
Instrument :
MSVOA_Y
ClientSampleId :

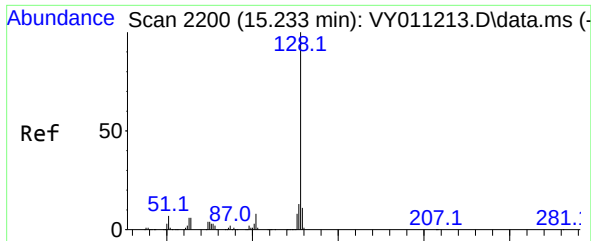
Tgt Ion: 75 Resp: 91729
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.965 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

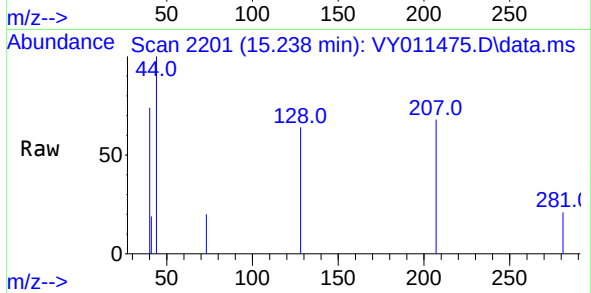
Tgt Ion: 75 Resp: 91729
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 3.328 ug/l
RT: 15.238 min Scan# 21
Delta R.T. 0.005 min
Lab File: VY011475.D
Acq: 16 Nov 2022 15:53

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	421
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

