

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111422\
 Data File : VY011444.D
 Acq On : 14 Nov 2022 16:55
 Operator : KP/MD
 Sample : N5582-02
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 31877

Quant Time: Nov 15 01:50:29 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)

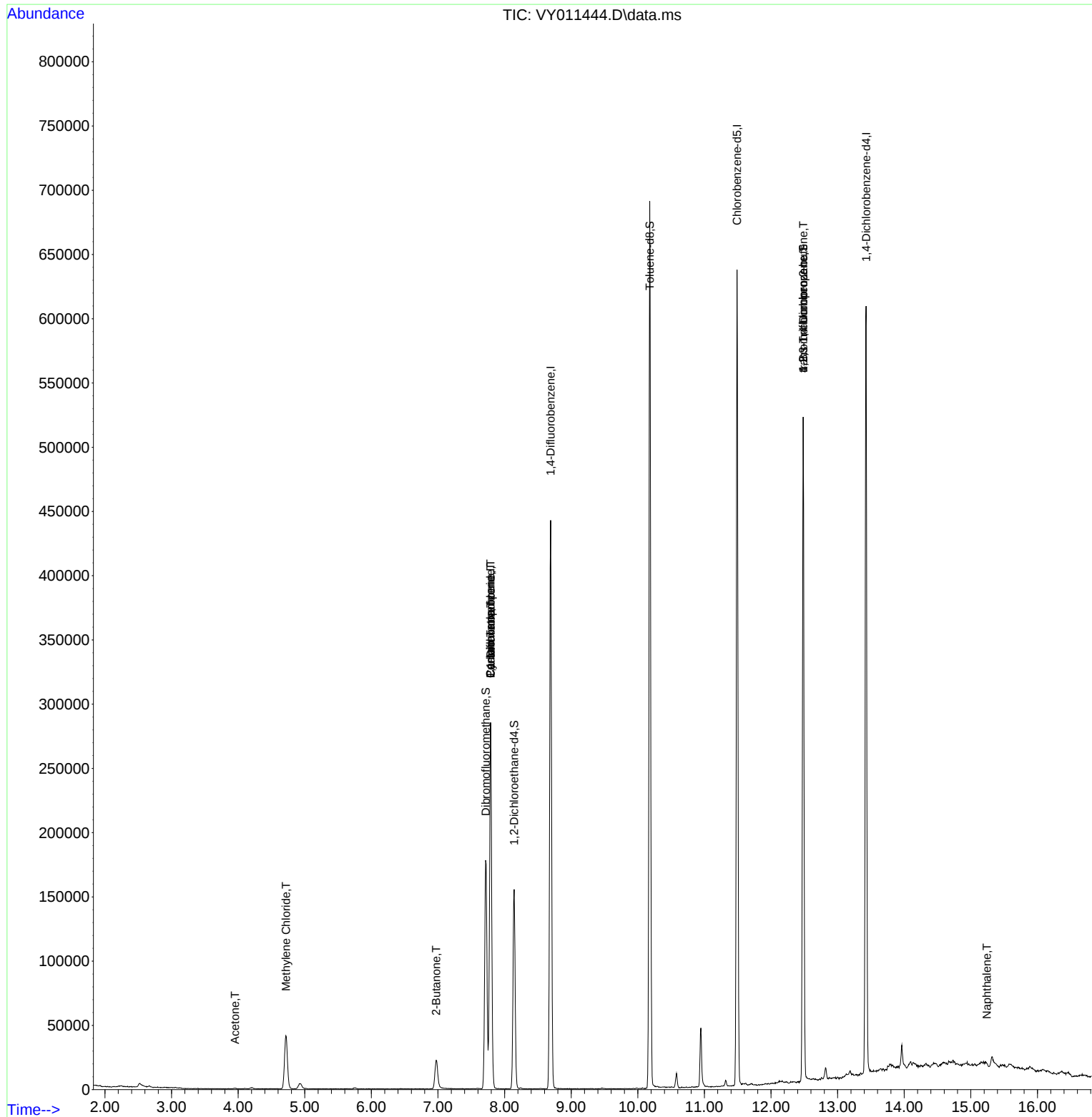
Internal Standards						
1) Pentafluorobenzene	7.789	168	228193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	401799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	366964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	168033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	120934	63.244	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.480%	
35) Dibromofluoromethane	7.716	113	131014	58.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.360%	
50) Toluene-d8	10.179	98	465271	54.086	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.180%	
62) 4-Bromofluorobenzene	12.483	95	160897	53.624	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.240%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	108	Below Cal	#	43
11) Tert butyl alcohol	4.930	59	4728	Below Cal	#	77
16) Acetone	3.954	43	762	1.510	ug/l	97
18) Methyl Acetate	4.472	43	188	Below Cal	#	56
20) Methylene Chloride	4.716	84	34861	6.137	ug/l	# 78
25) 2-Butanone	6.972	43	1136	1.581	ug/l	99
31) Cyclohexane	7.789	56	3702	1.077	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	15243	4.362	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	21482	5.651	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	76974	39.575	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	76974	95.126	ug/l	# 7
95) Naphthalene	15.239	128	1148	3.444	ug/l	# 82

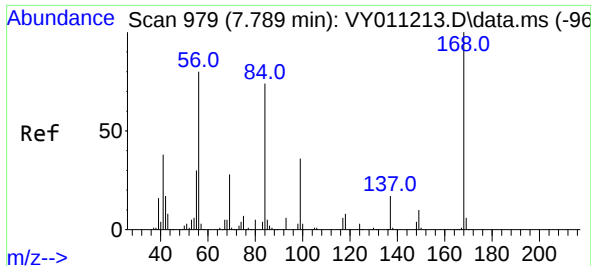
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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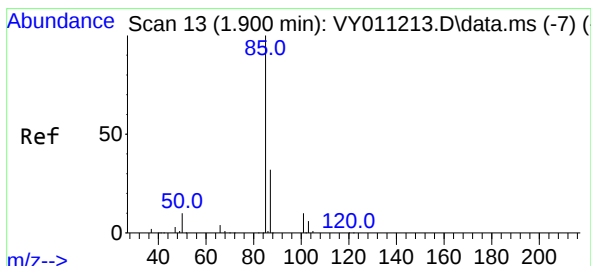
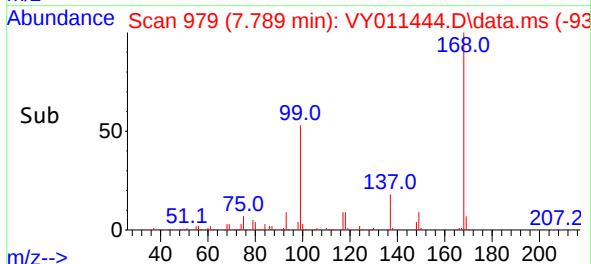
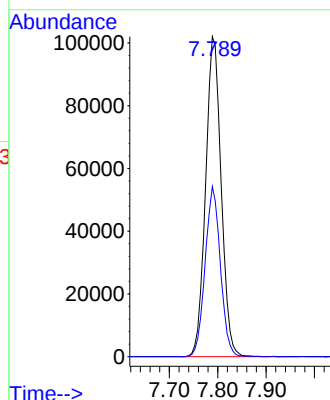
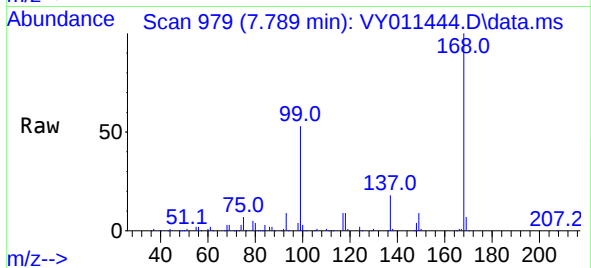




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

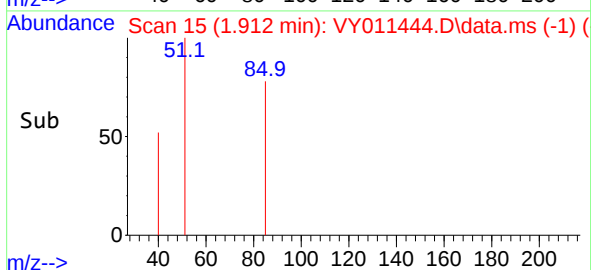
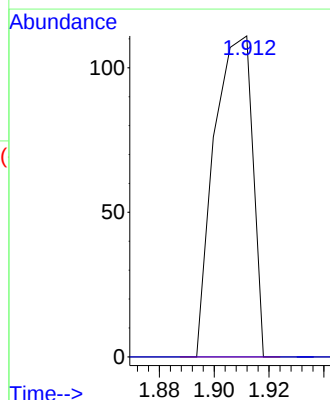
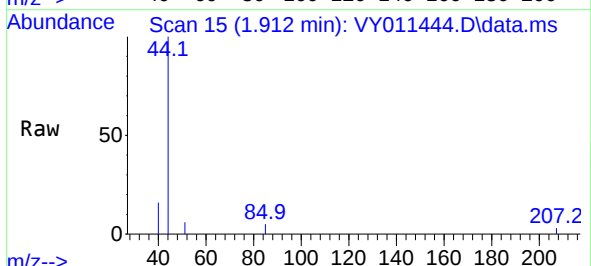
Instrument :
MSVOA_Y
ClientSampleId :
31877

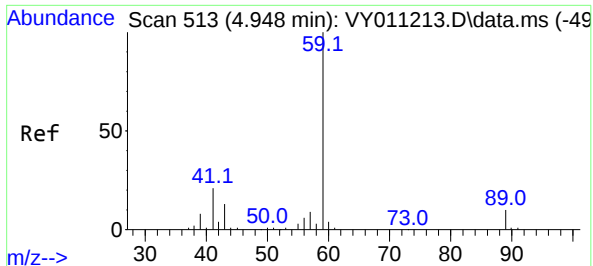
Tgt Ion:168 Resp: 228193
Ion Ratio Lower Upper
168 100
99 53.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

Tgt Ion: 85 Resp: 108
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

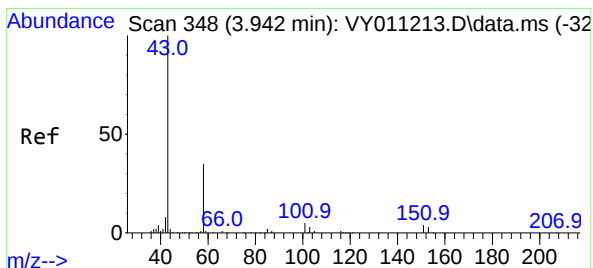
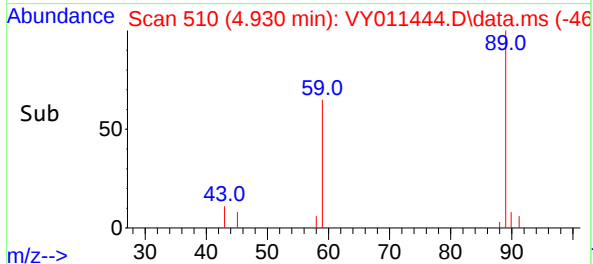
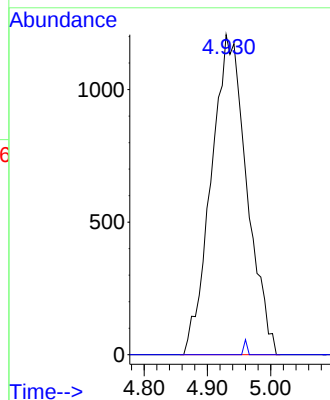
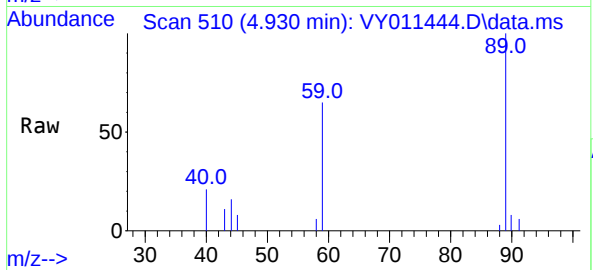




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 51
Delta R.T. -0.024 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

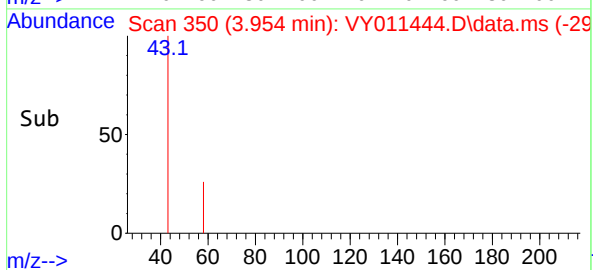
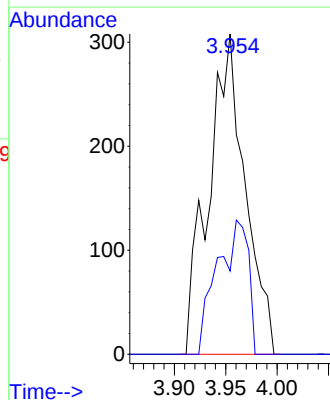
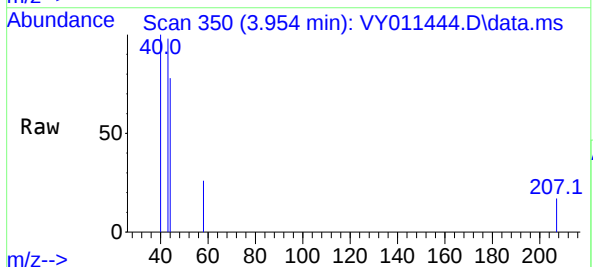
Instrument :
MSVOA_Y
ClientSampleId :
31877

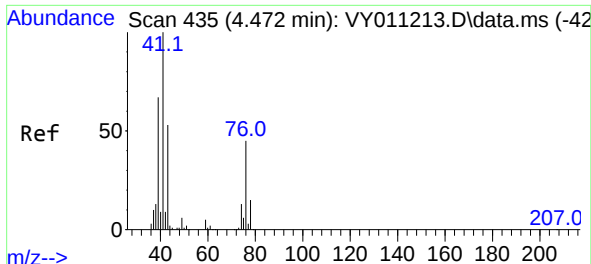
Tgt Ion: 59 Resp: 4728
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 1.510 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
58 26.0 22.0 33.0

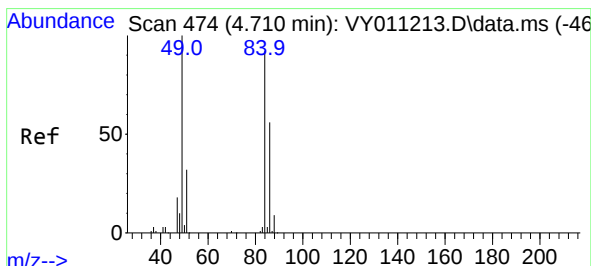
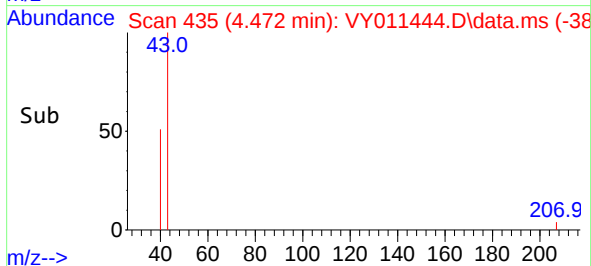
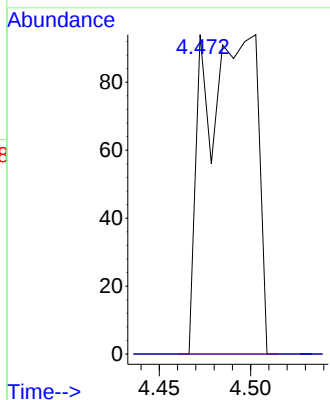
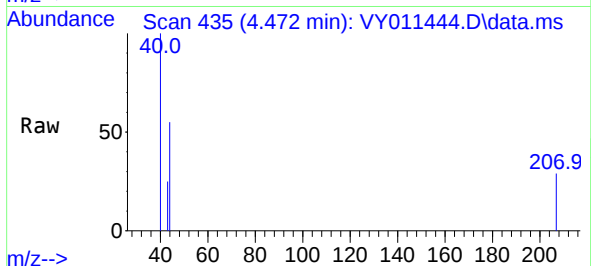




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

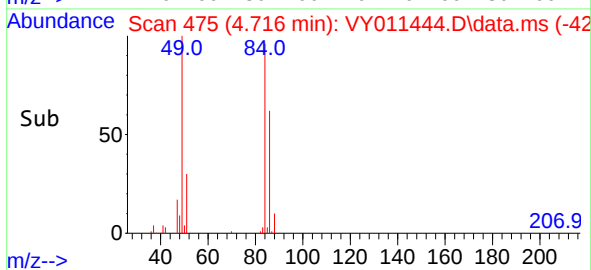
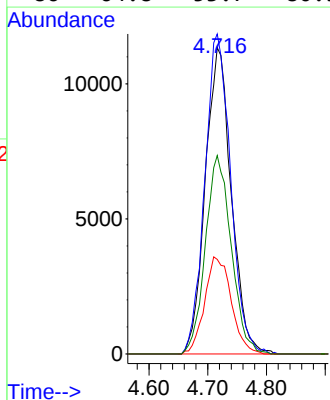
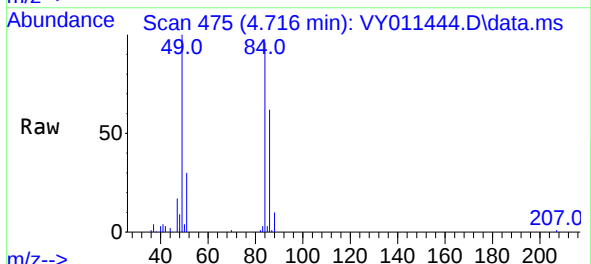
Instrument :
MSVOA_Y
ClientSampleId :
31877

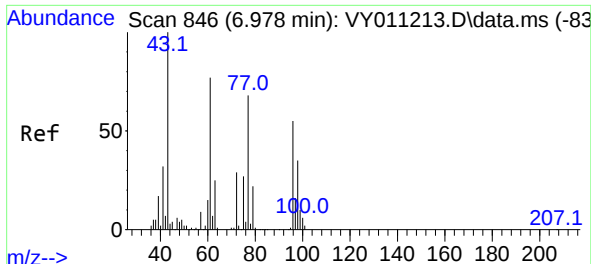
Tgt Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 6.137 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

Tgt Ion: 84 Resp: 34861
Ion Ratio Lower Upper
84 100
49 104.5 114.4 171.6#
51 30.9 35.3 52.9#
86 64.8 53.7 80.5





#25

2-Butanone

Concen: 1.581 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY011444.D

Acq: 14 Nov 2022 16:55

Instrument :

MSVOA_Y

ClientSampleId :

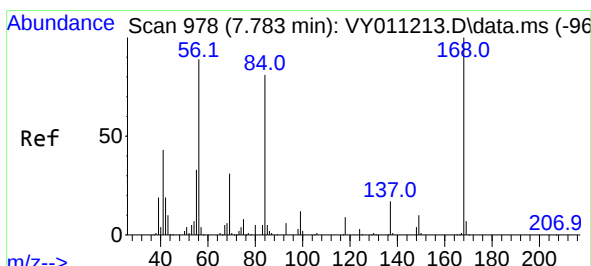
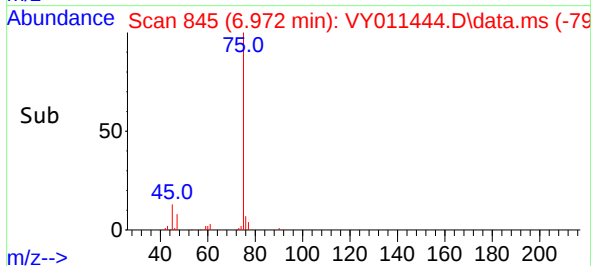
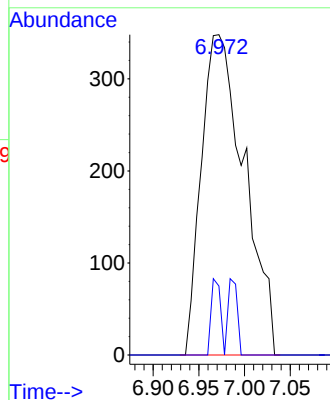
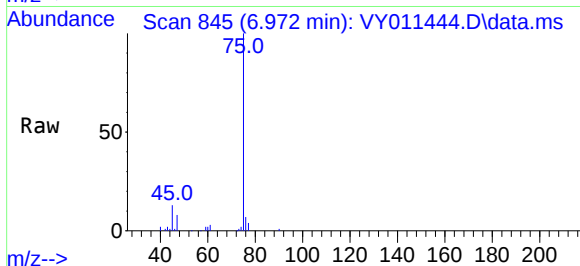
31877

Tgt Ion: 43 Resp: 1136

Ion Ratio Lower Upper

43 100

72 21.6 17.7 26.5



#31

Cyclohexane

Concen: 1.077 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011444.D

Acq: 14 Nov 2022 16:55

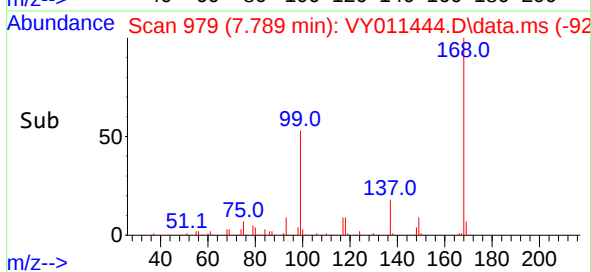
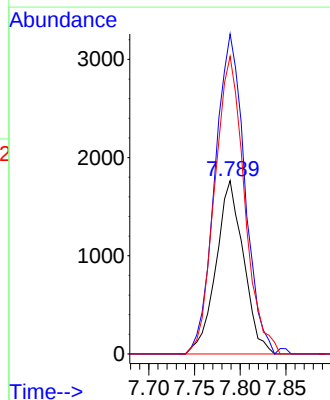
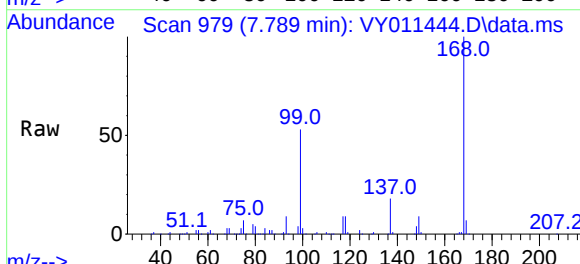
Tgt Ion: 56 Resp: 3702

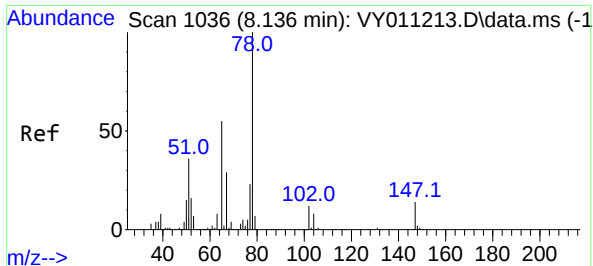
Ion Ratio Lower Upper

56 100

69 184.8 26.7 40.1#

84 171.8 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 63.244 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY011444.D

Acq: 14 Nov 2022 16:55

Instrument :

MSVOA_Y

ClientSampleId :

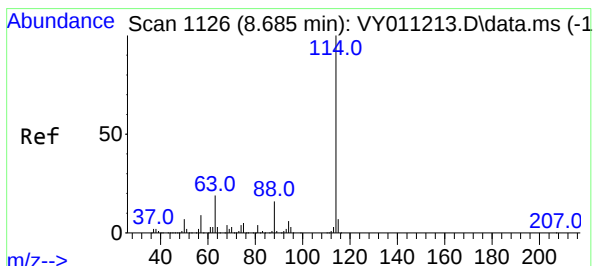
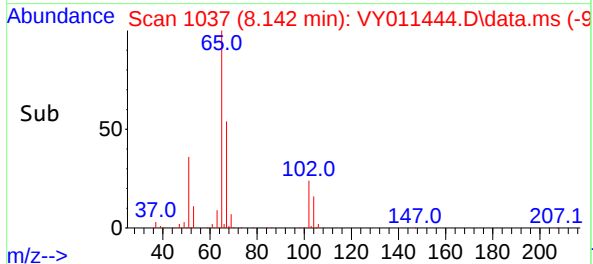
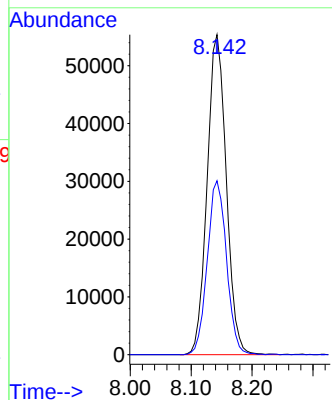
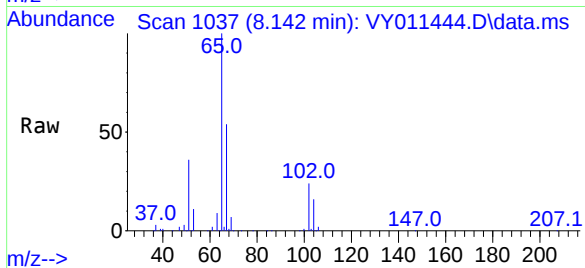
31877

Tgt Ion: 65 Resp: 120934

Ion Ratio Lower Upper

65 100

67 54.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011444.D

Acq: 14 Nov 2022 16:55

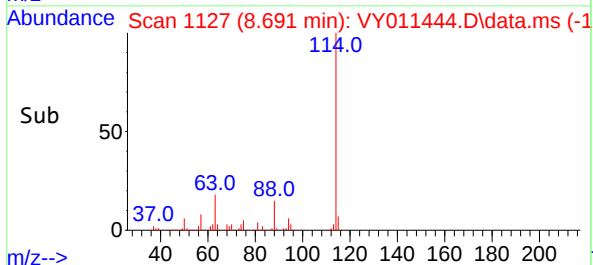
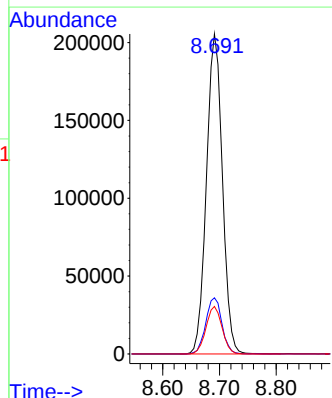
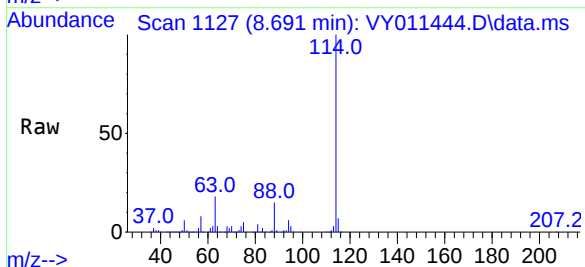
Tgt Ion: 114 Resp: 401799

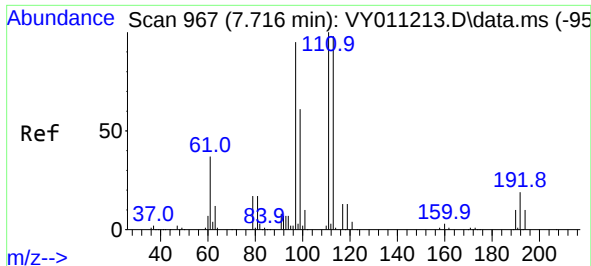
Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 14.8 0.0 31.8

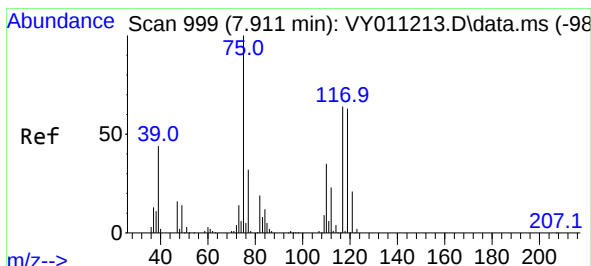
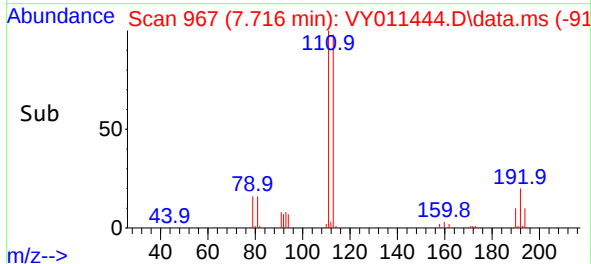
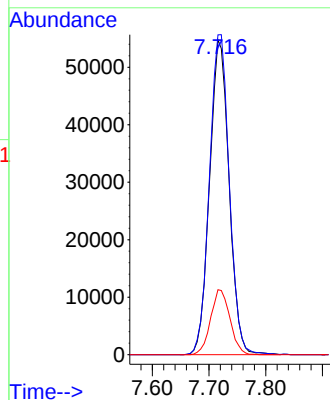
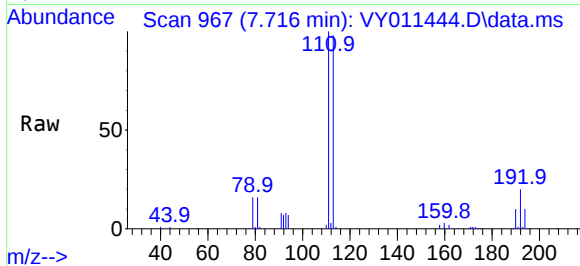




#35
Dibromofluoromethane
Concen: 58.183 ug/l
RT: 7.716 min Scan# 901
Delta R.T. 0.006 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

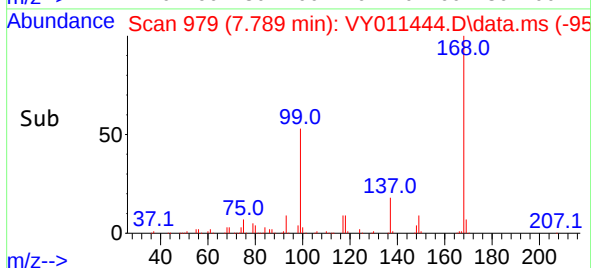
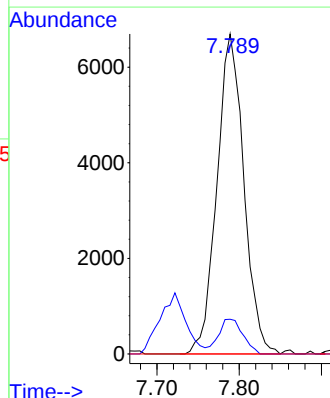
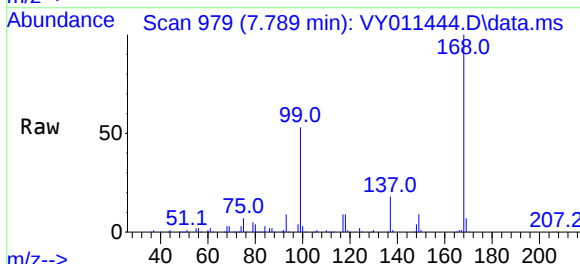
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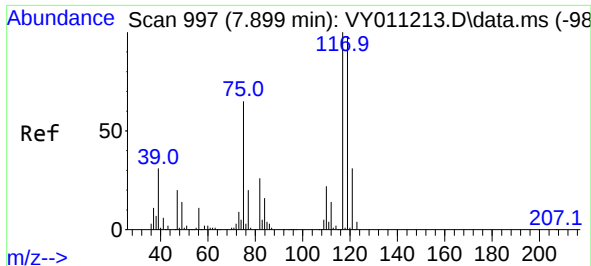
Tgt Ion:113 Resp: 131014
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 20.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.362 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

Tgt Ion: 75 Resp: 15243
Ion Ratio Lower Upper
75 100
110 9.9 17.1 51.2#
77 0.0 24.4 36.6#

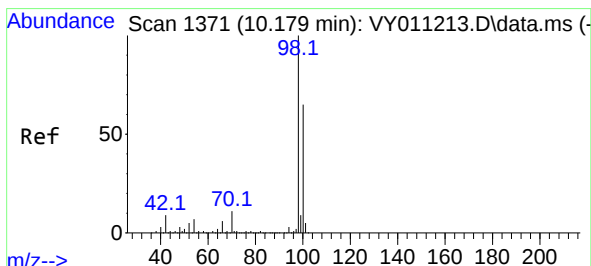
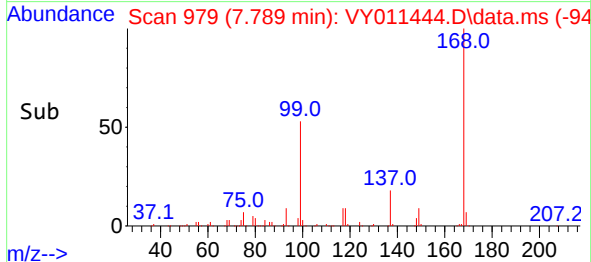
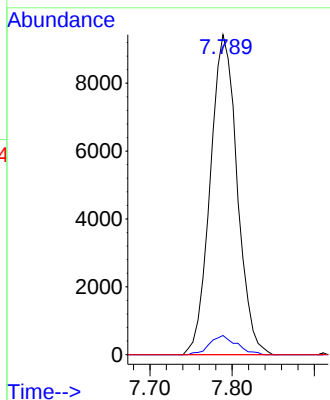
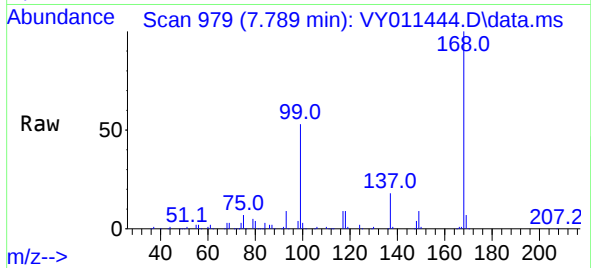




#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

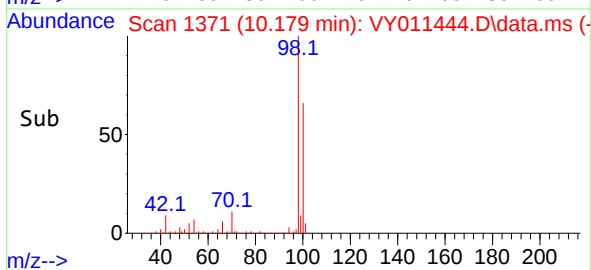
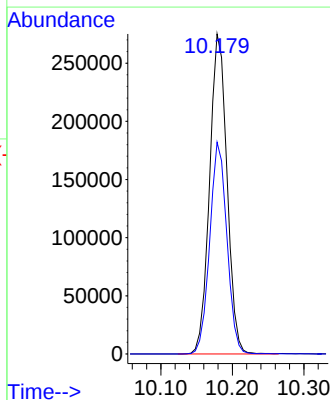
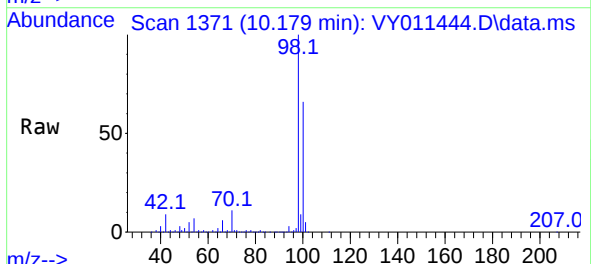
Instrument :
MSVOA_Y
ClientSampleId :
31877

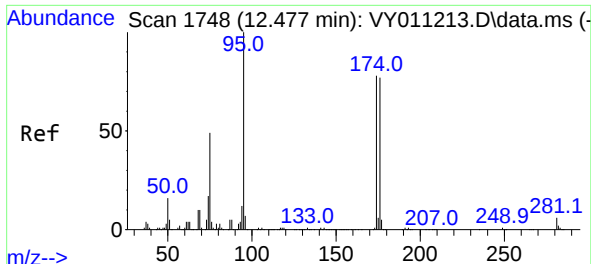
Tgt Ion:117 Resp: 21482
Ion Ratio Lower Upper
117 100
119 6.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.086 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

Tgt Ion: 98 Resp: 465271
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

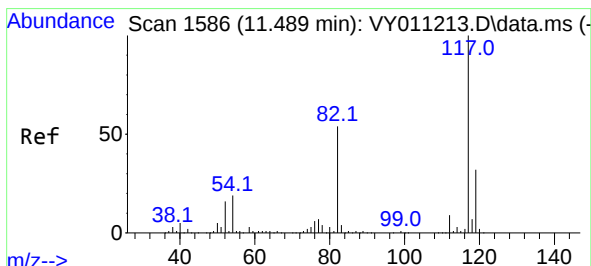
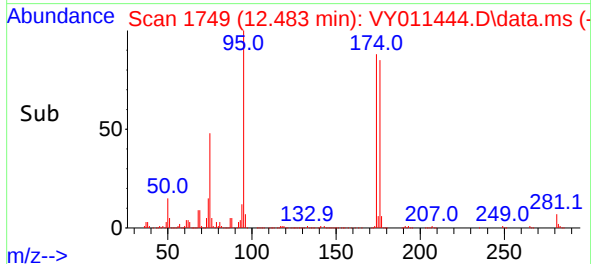
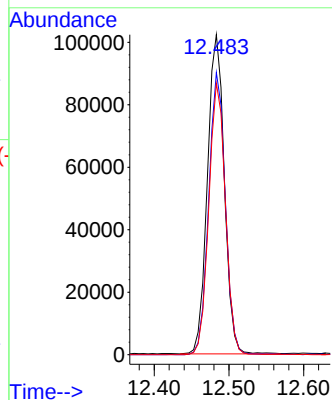
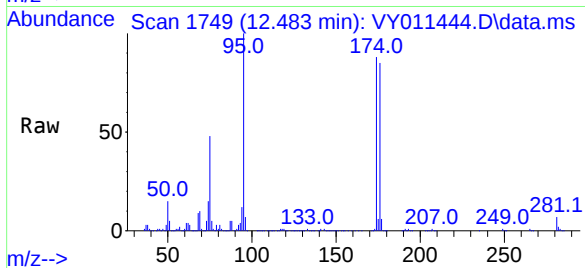




#62
4-Bromofluorobenzene
Concen: 53.624 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

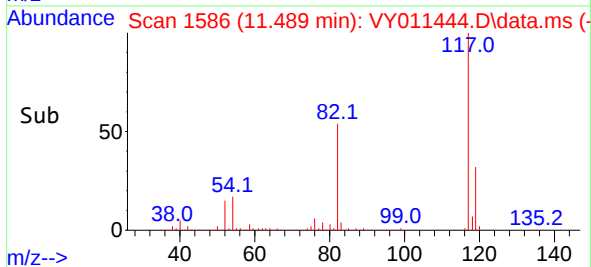
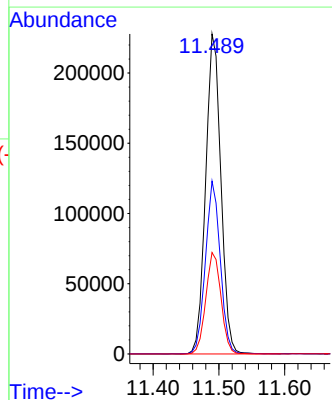
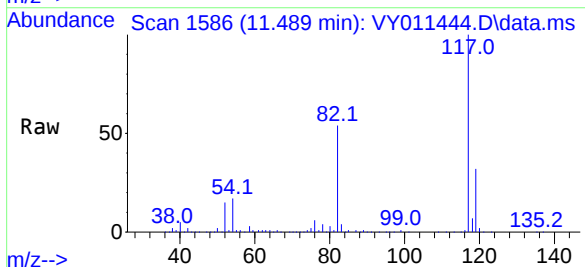
Instrument :
MSVOA_Y
ClientSampleId :
31877

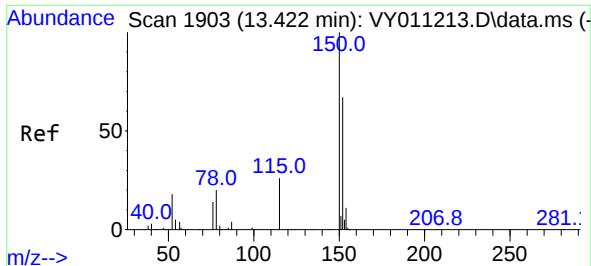
Tgt Ion: 95 Resp: 160897
Ion Ratio Lower Upper
95 100
174 86.8 0.0 177.0
176 83.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

Tgt Ion: 117 Resp: 366964
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 31.7 25.4 38.0

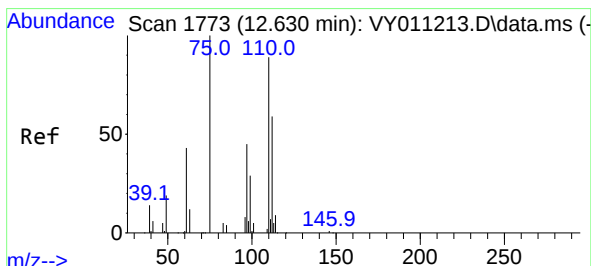
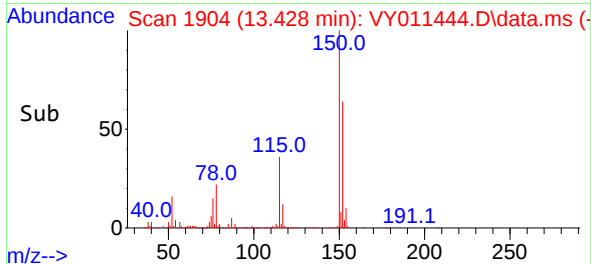
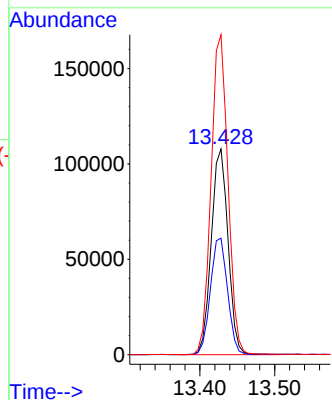
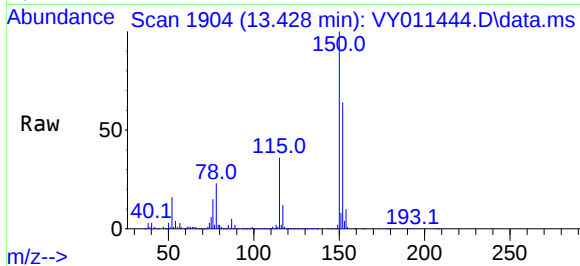




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY011444.D
 Acq: 14 Nov 2022 16:55

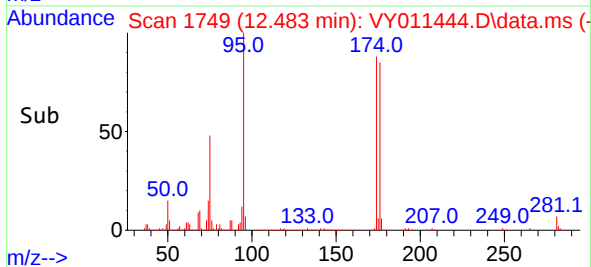
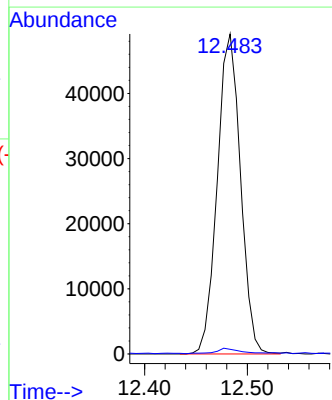
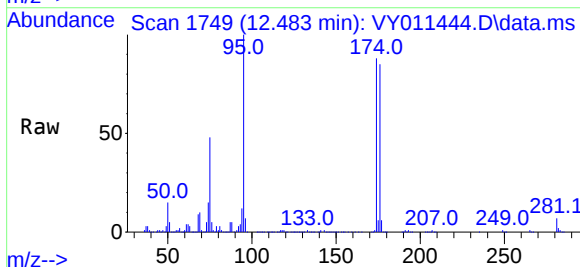
Instrument :
 MSVOA_Y
 ClientSampleId :
 31877

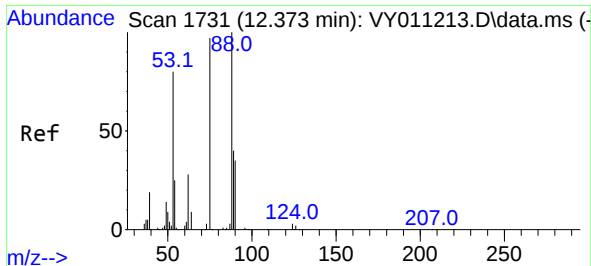
Tgt Ion:152 Resp: 168033
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.2 84.7
 150 156.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 39.575 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY011444.D
 Acq: 14 Nov 2022 16:55

Tgt Ion: 75 Resp: 76974
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

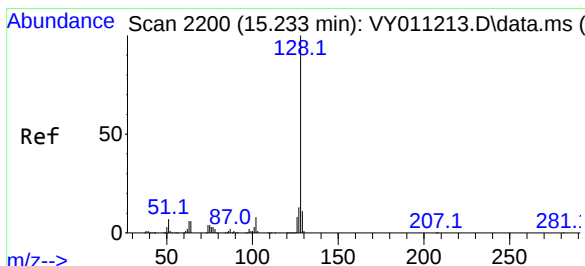
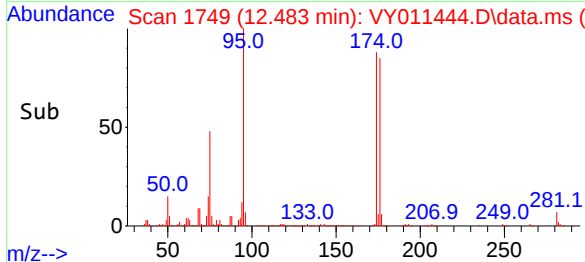
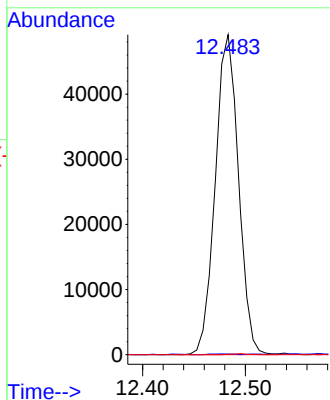
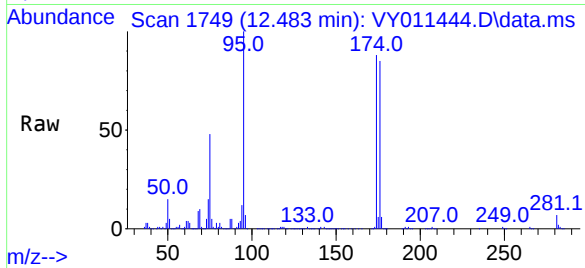




#81
trans-1,4-Dichloro-2-butene
Concen: 95.126 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

Instrument :
MSVOA_Y
ClientSampleId :
31877

Tgt Ion: 75 Resp: 76974
Ion Ratio Lower Upper
75 100
53 0.3 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 3.444 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY011444.D
Acq: 14 Nov 2022 16:55

Tgt Ion: 128 Resp: 1148
Ion Ratio Lower Upper
128 100
127 24.4 11.0 16.4#
129 7.9 8.4 12.6#

