

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122122\
 Data File : VY011958.D
 Acq On : 21 Dec 2022 19:41
 Operator : KP/MD
 Sample : N6161-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 31877

Quant Time: Dec 22 00:15:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

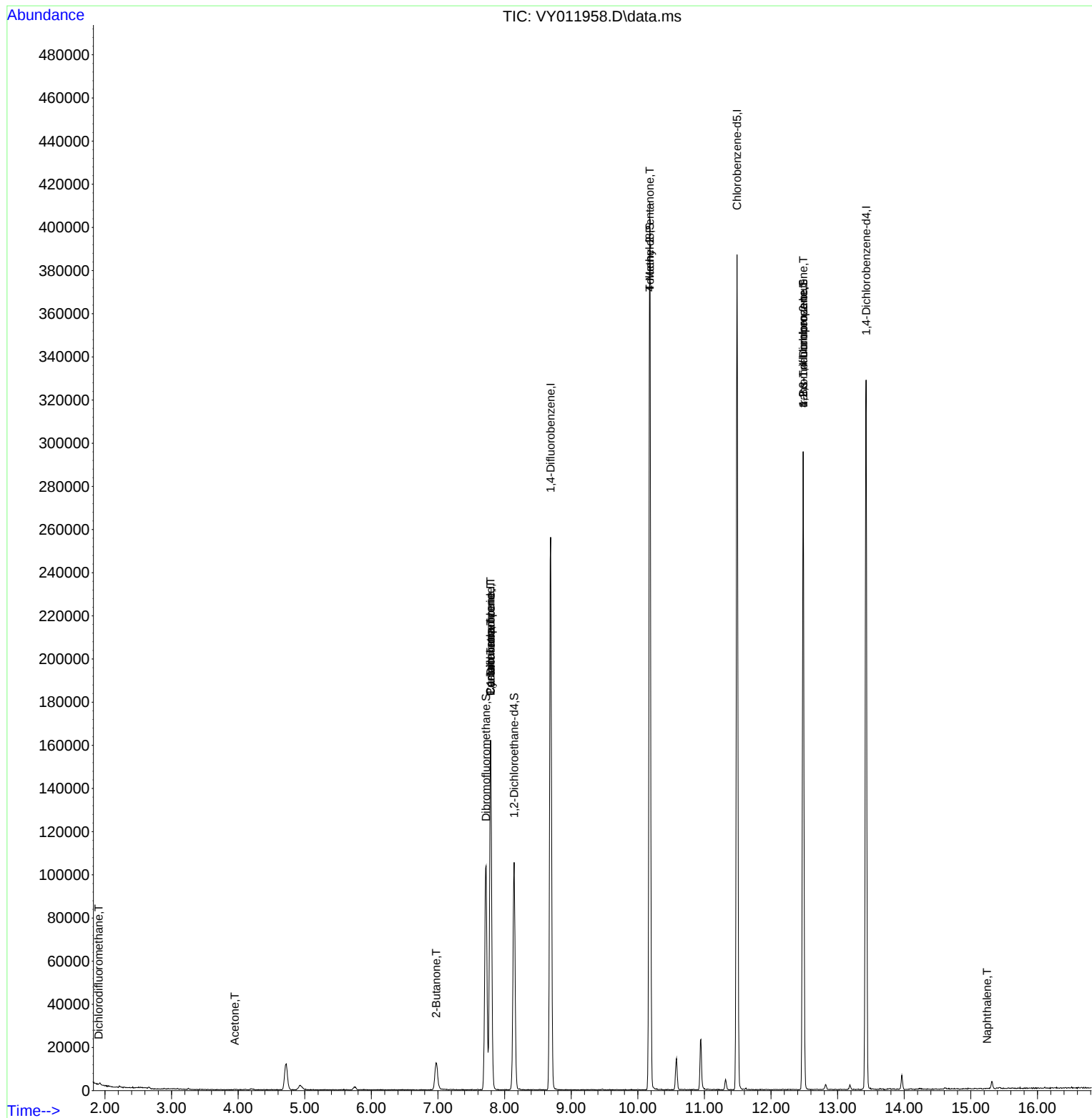
Internal Standards						
1) Pentafluorobenzene	7.789	168	124874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	221536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	211096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	82853	65.857	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.720%	
35) Dibromofluoromethane	7.722	113	74263	55.682	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.360%	
50) Toluene-d8	10.179	98	271022	50.086	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.180%	
62) 4-Bromofluorobenzene	12.483	95	83298	45.771	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.540%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	106	2.569	ug/l #	41
11) Tert butyl alcohol	4.930	59	3023	Below Cal	#	74
16) Acetone	3.948	43	326	5.725	ug/l #	40
25) 2-Butanone	6.972	43	612	1.460	ug/l #	46
31) Cyclohexane	7.789	56	2392	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8843	4.134	ug/l #	49
38) Carbon Tetrachloride	7.789	117	12454	5.041	ug/l #	17
51) 4-Methyl-2-Pentanone	10.179	43	1099	1.176	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	43092	39.139	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43092	107.181	ug/l #	13
95) Naphthalene	15.245	128	158	2.824	ug/l #	69

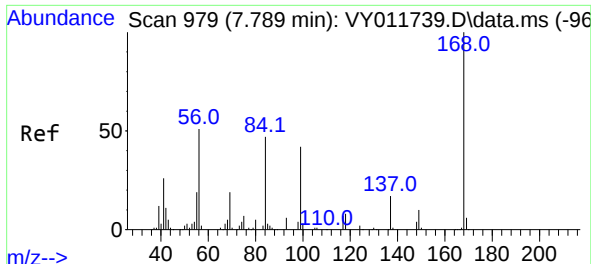
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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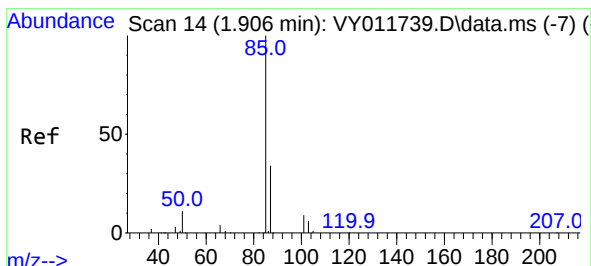
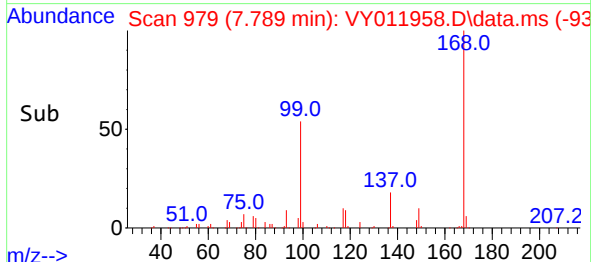
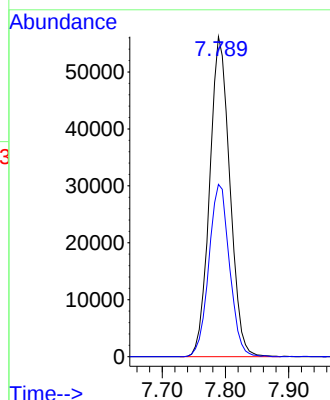
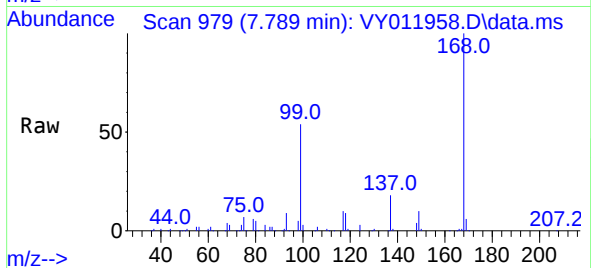




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

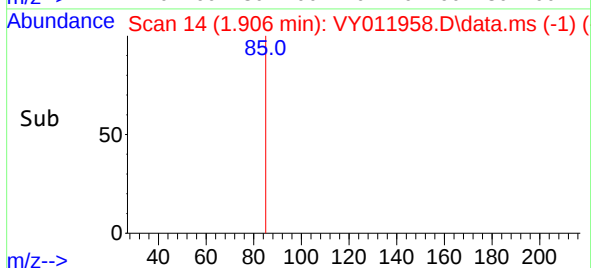
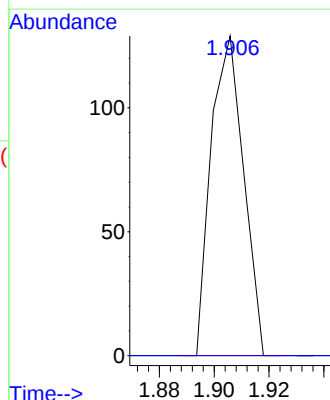
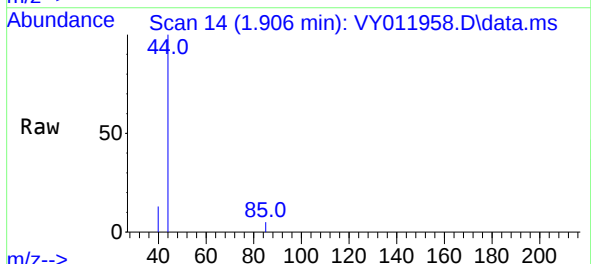
Instrument :
MSVOA_Y
ClientSampleId :
31877

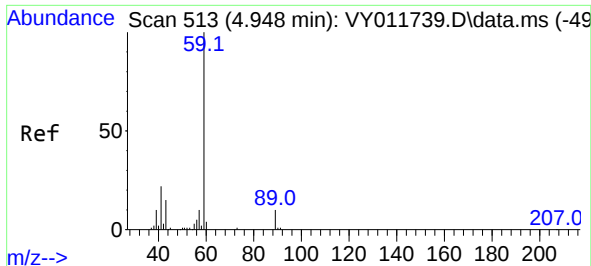
Tgt Ion:168 Resp: 124874
Ion Ratio Lower Upper
168 100
99 53.8 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.569 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

Tgt Ion: 85 Resp: 106
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

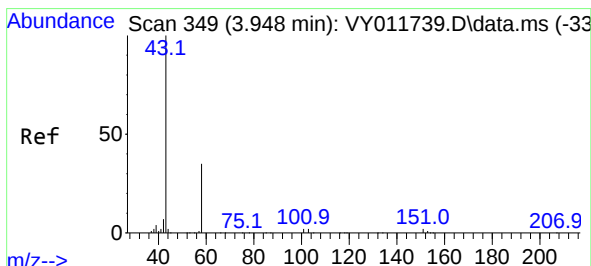
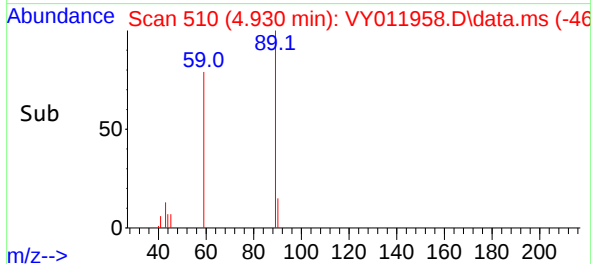
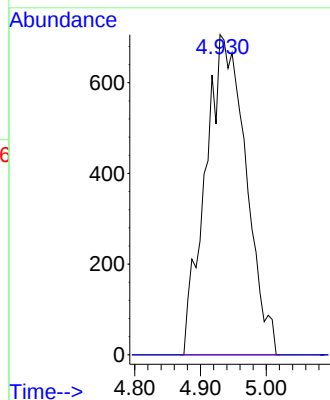
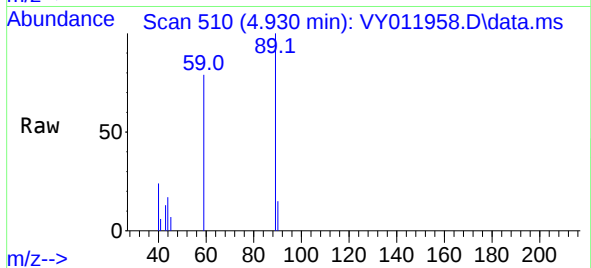




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

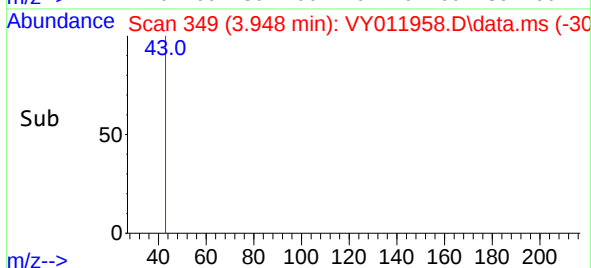
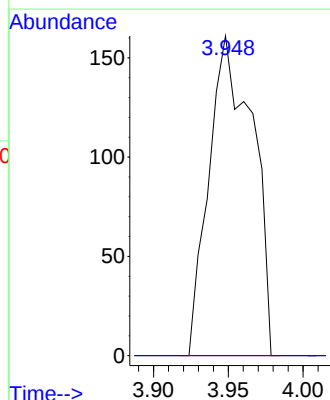
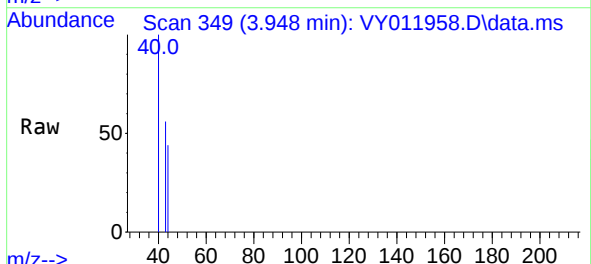
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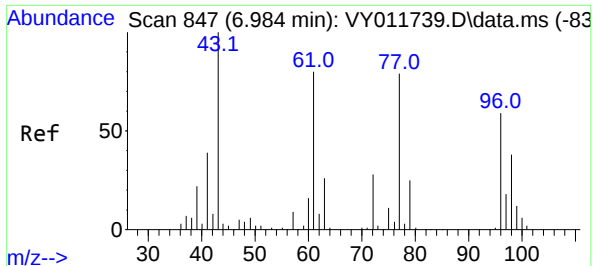
Tgt Ion: 59 Resp: 3023
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 5.725 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

Tgt Ion: 43 Resp: 326
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#





#25

2-Butanone

Concen: 1.460 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011958.D

Acq: 21 Dec 2022 19:41

Instrument :

MSVOA_Y

ClientSampleId :

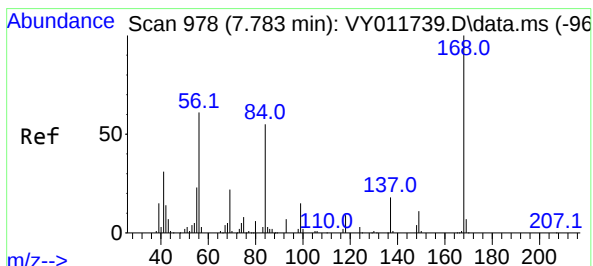
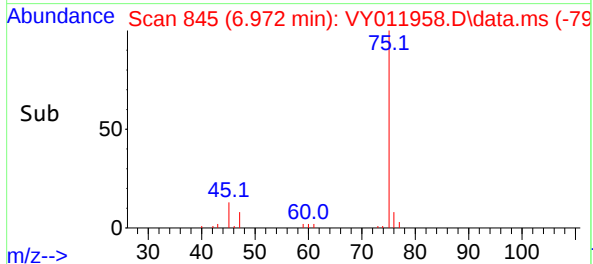
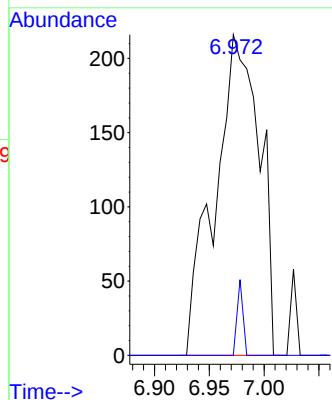
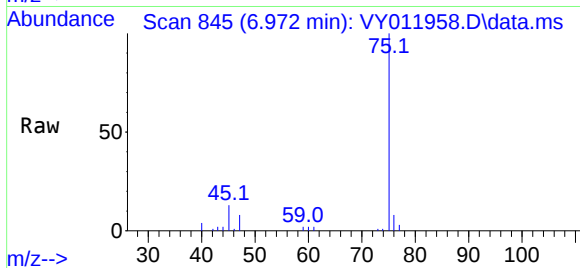
31877

Tgt Ion: 43 Resp: 612

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.129 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011958.D

Acq: 21 Dec 2022 19:41

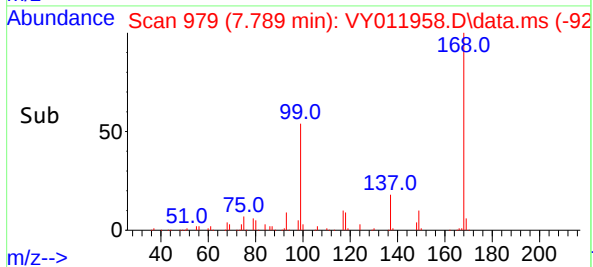
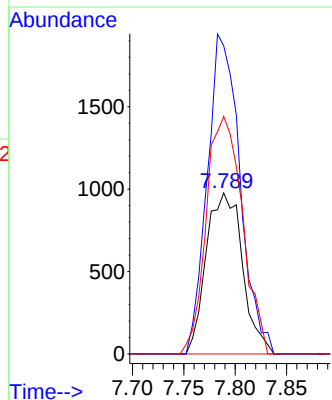
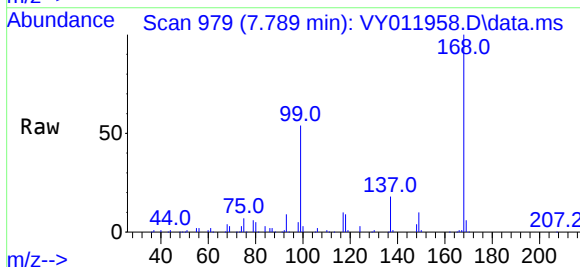
Tgt Ion: 56 Resp: 2392

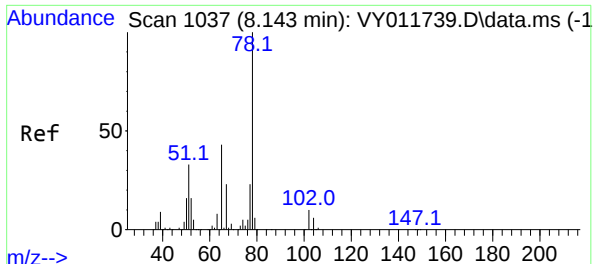
Ion Ratio Lower Upper

56 100

69 191.4 29.2 43.8#

84 147.5 72.6 108.8#

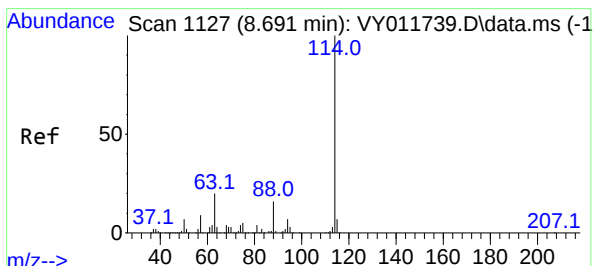
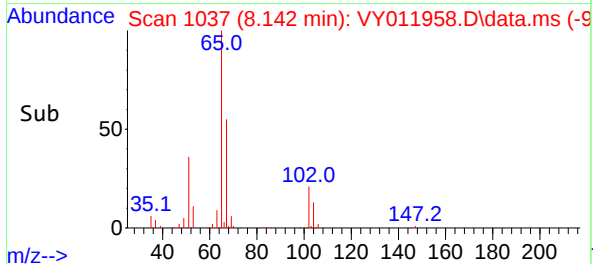
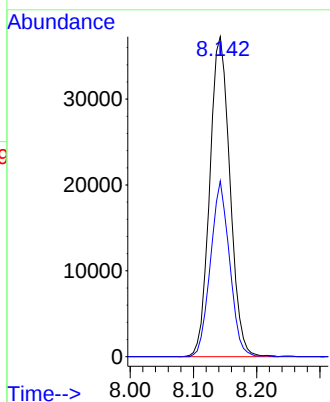
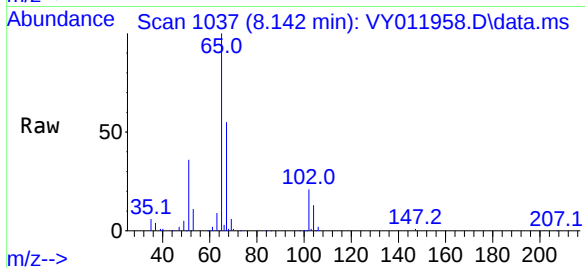




#33
 1,2-Dichloroethane-d4
 Concen: 65.857 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.001 min
 Lab File: VY011958.D
 Acq: 21 Dec 2022 19:41

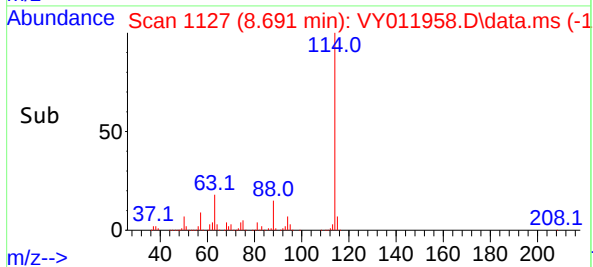
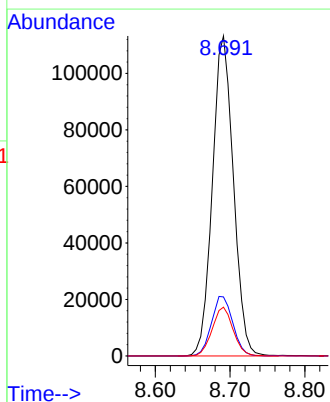
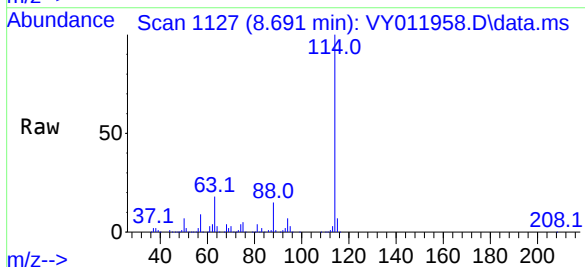
Instrument :
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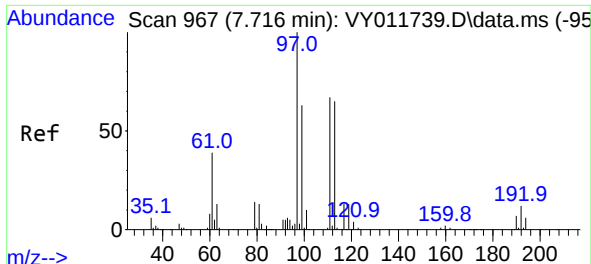
Tgt Ion: 65 Resp: 82853
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY011958.D
 Acq: 21 Dec 2022 19:41

Tgt Ion: 114 Resp: 221536
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.6
 88 15.2 0.0 32.2

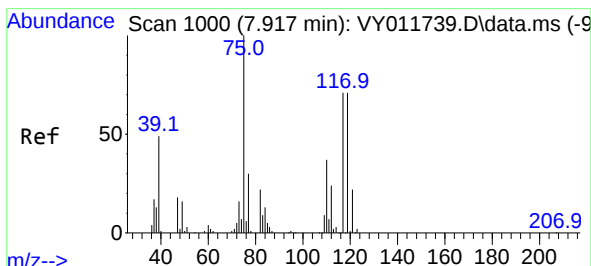
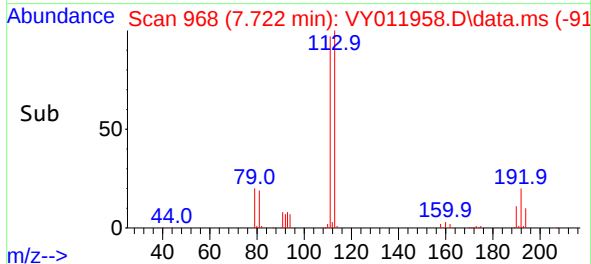
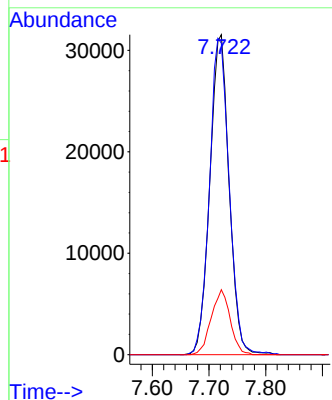
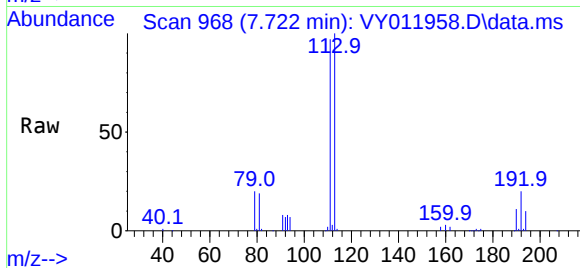




#35
Dibromofluoromethane
Concen: 55.682 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

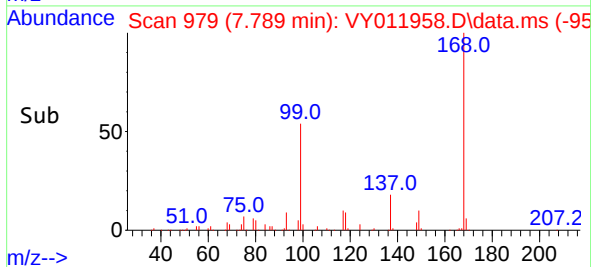
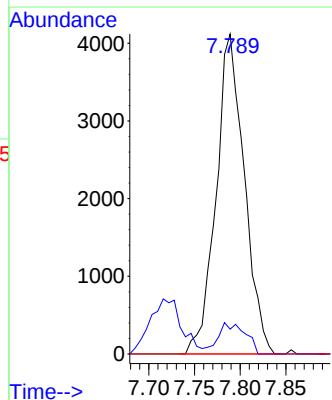
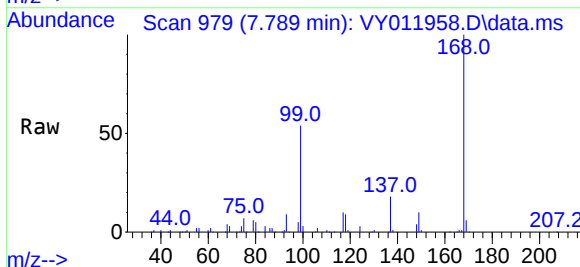
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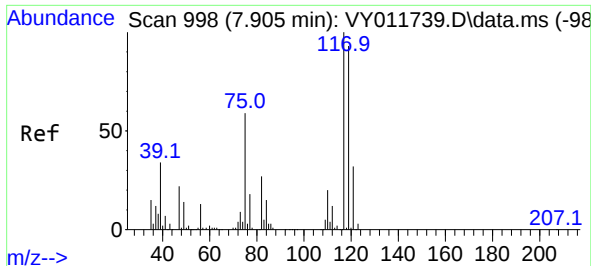
Tgt Ion:113 Resp: 74263
Ion Ratio Lower Upper
113 100
111 101.4 83.0 124.4
192 20.1 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.134 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

Tgt Ion: 75 Resp: 8843
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.1#
77 0.0 25.1 37.7#

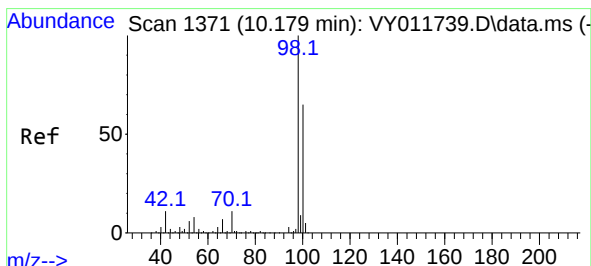
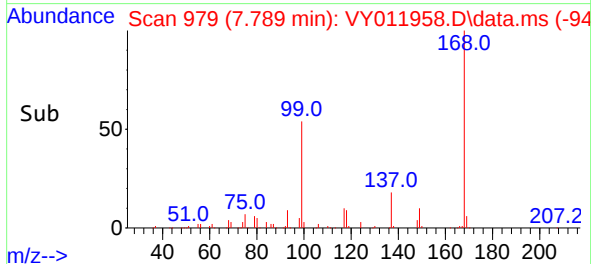
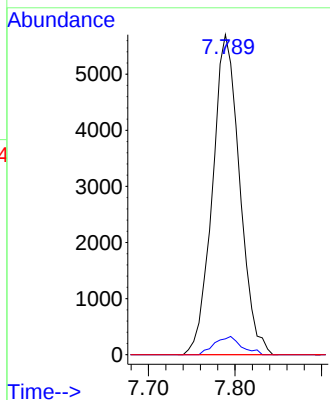
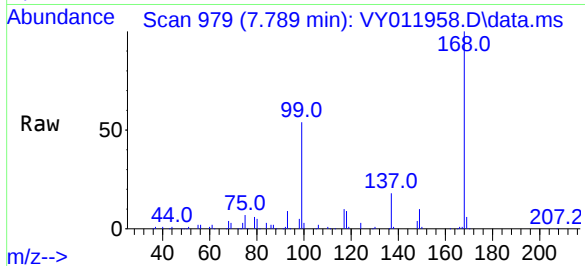




#38
Carbon Tetrachloride
Concen: 5.041 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

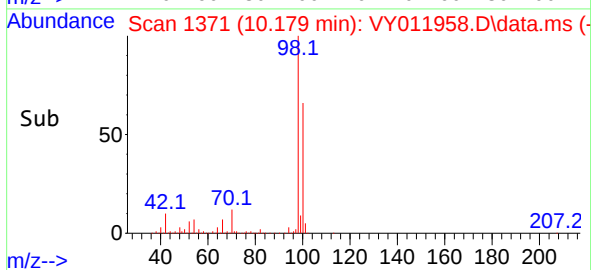
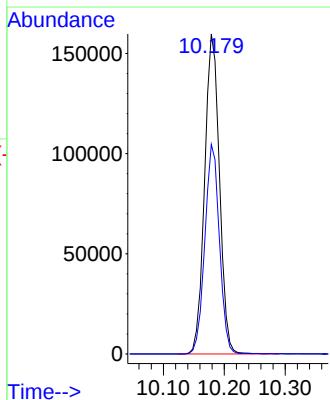
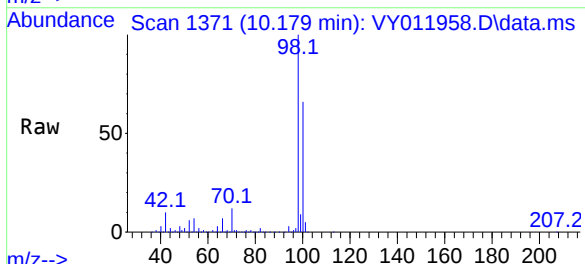
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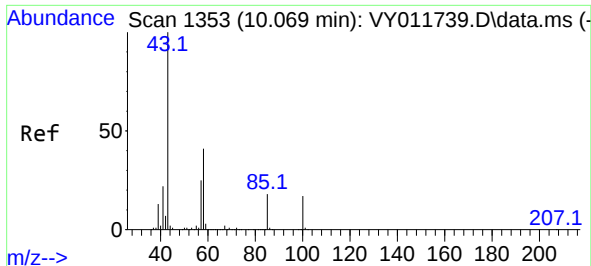
Tgt Ion:117 Resp: 12454
Ion Ratio Lower Upper
117 100
119 4.9 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 50.086 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

Tgt Ion: 98 Resp: 271022
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9

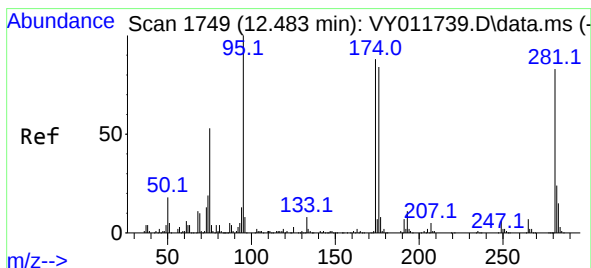
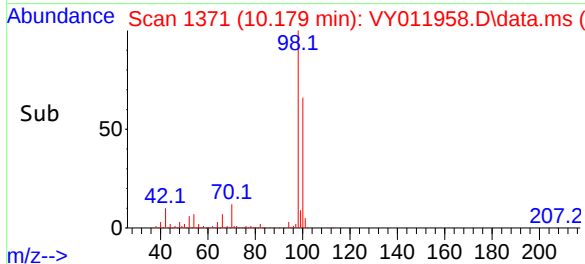
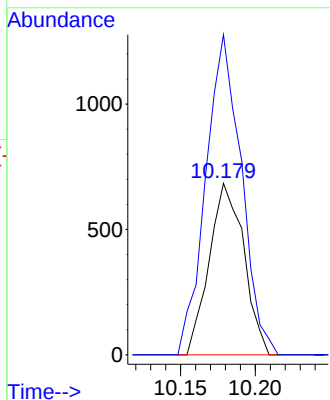
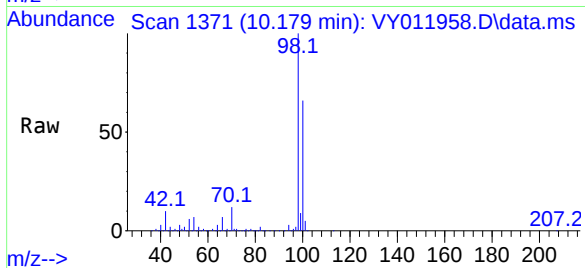




#51
4-Methyl-2-Pentanone
Concen: 1.176 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

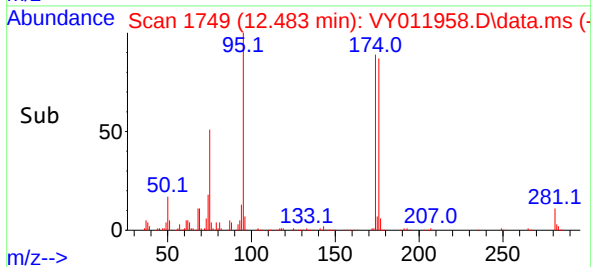
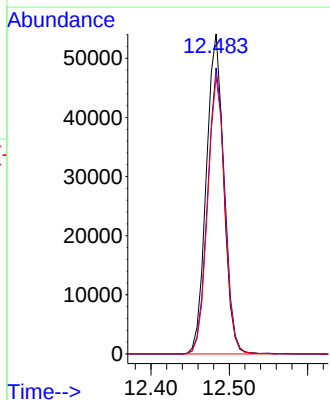
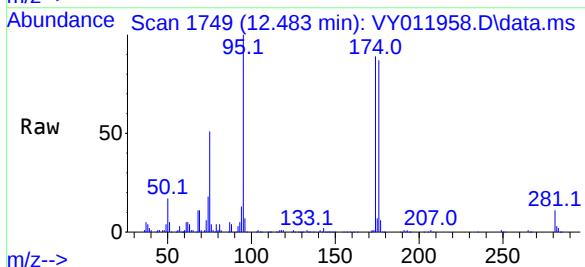
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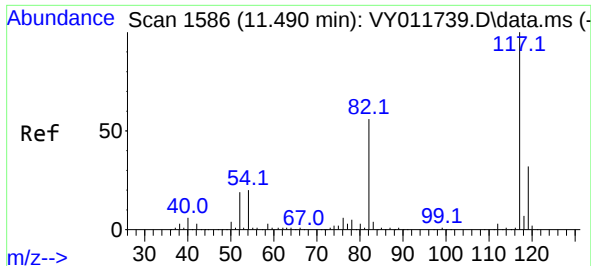
Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
58 191.8 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 45.771 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

Tgt Ion: 95 Resp: 83298
Ion Ratio Lower Upper
95 100
174 89.3 0.0 172.0
176 85.7 0.0 167.6

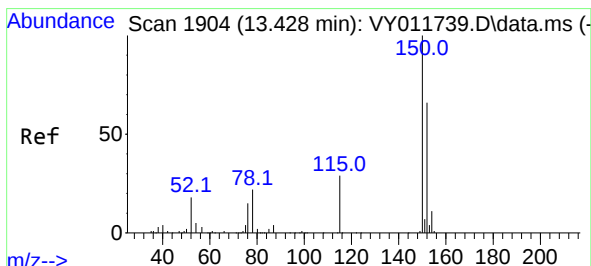
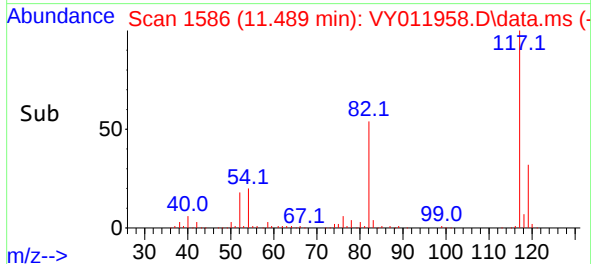
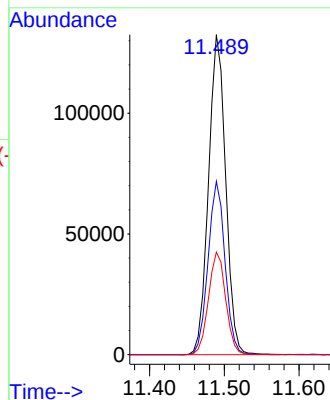
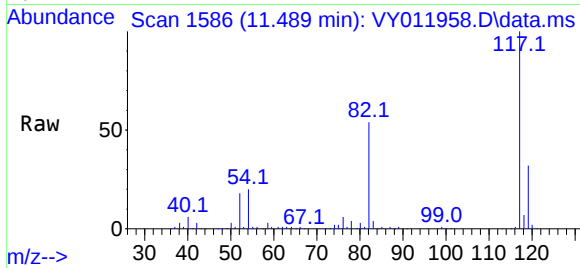




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

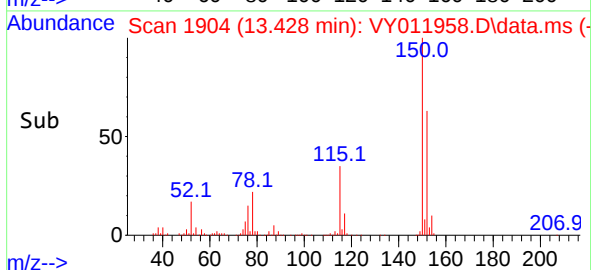
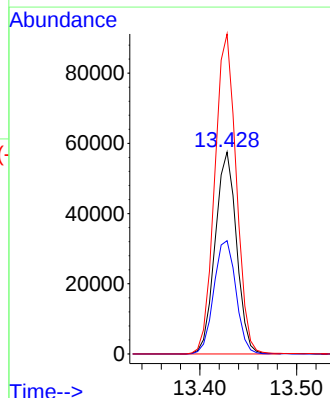
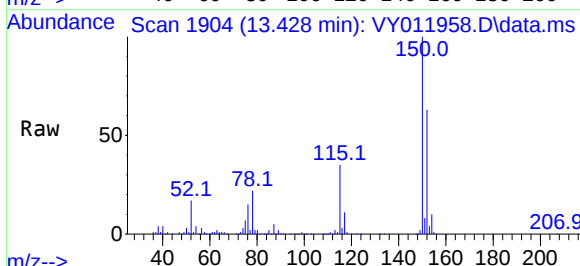
Instrument :
MSVOA_Y
ClientSampleId :
31877

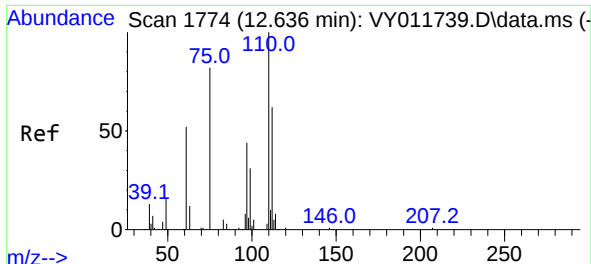
Tgt Ion:117 Resp: 211096
Ion Ratio Lower Upper
117 100
82 54.2 44.8 67.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

Tgt Ion:152 Resp: 88482
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.3
150 159.4 0.0 342.6

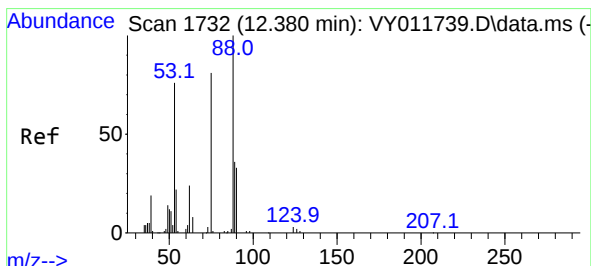
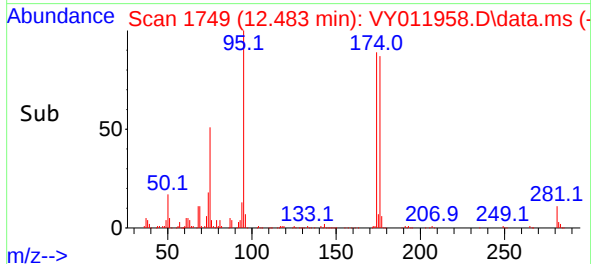
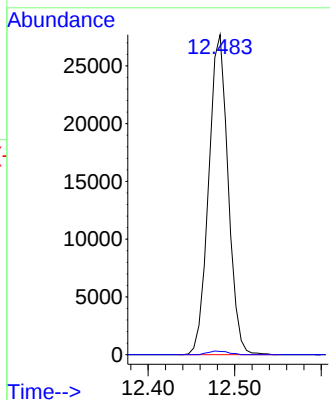
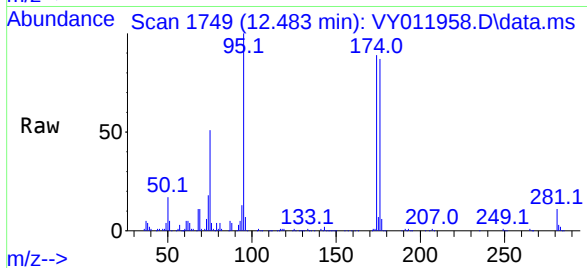




#76
1,2,3-Trichloropropane
Concen: 39.139 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

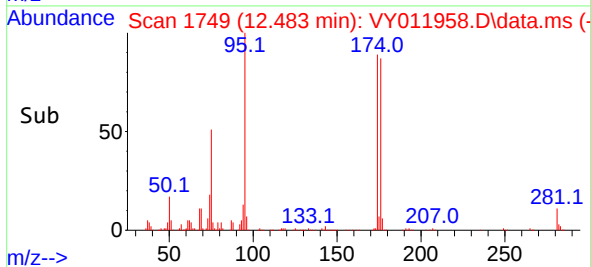
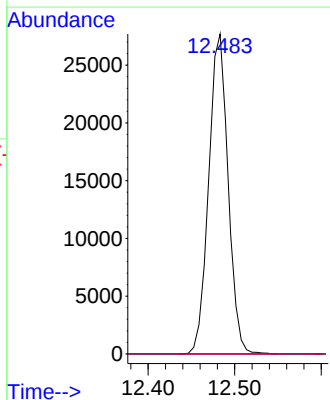
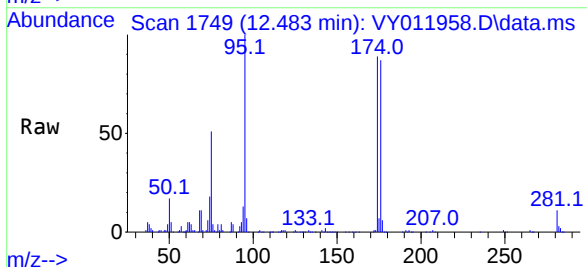
Instrument :
MSVOA_Y
ClientSampleId :
31877

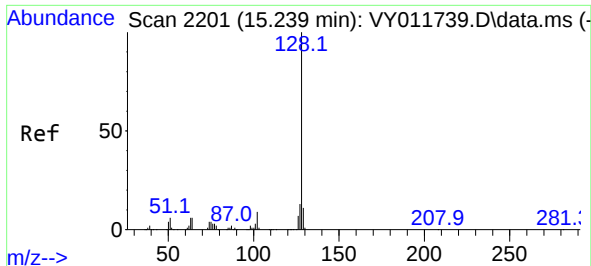
Tgt Ion: 75 Resp: 43092
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.181 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011958.D
Acq: 21 Dec 2022 19:41

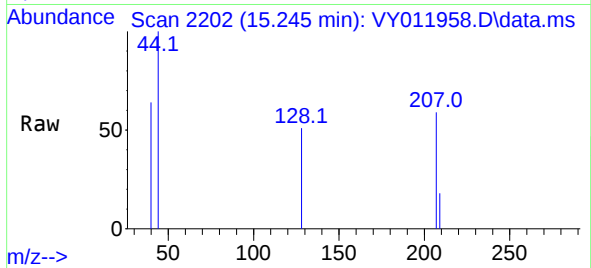
Tgt Ion: 75 Resp: 43092
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95
 Naphthalene
 Concen: 2.824 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY011958.D
 Acq: 21 Dec 2022 19:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 31877



Tgt Ion:	128	Resp:	158
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.8	13.2#

