

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
 Data File : VY010899.D
 Acq On : 10 Oct 2022 18:35
 Operator : KP/MD
 Sample : N5018-04
 Misc : 5.27g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 09:46:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

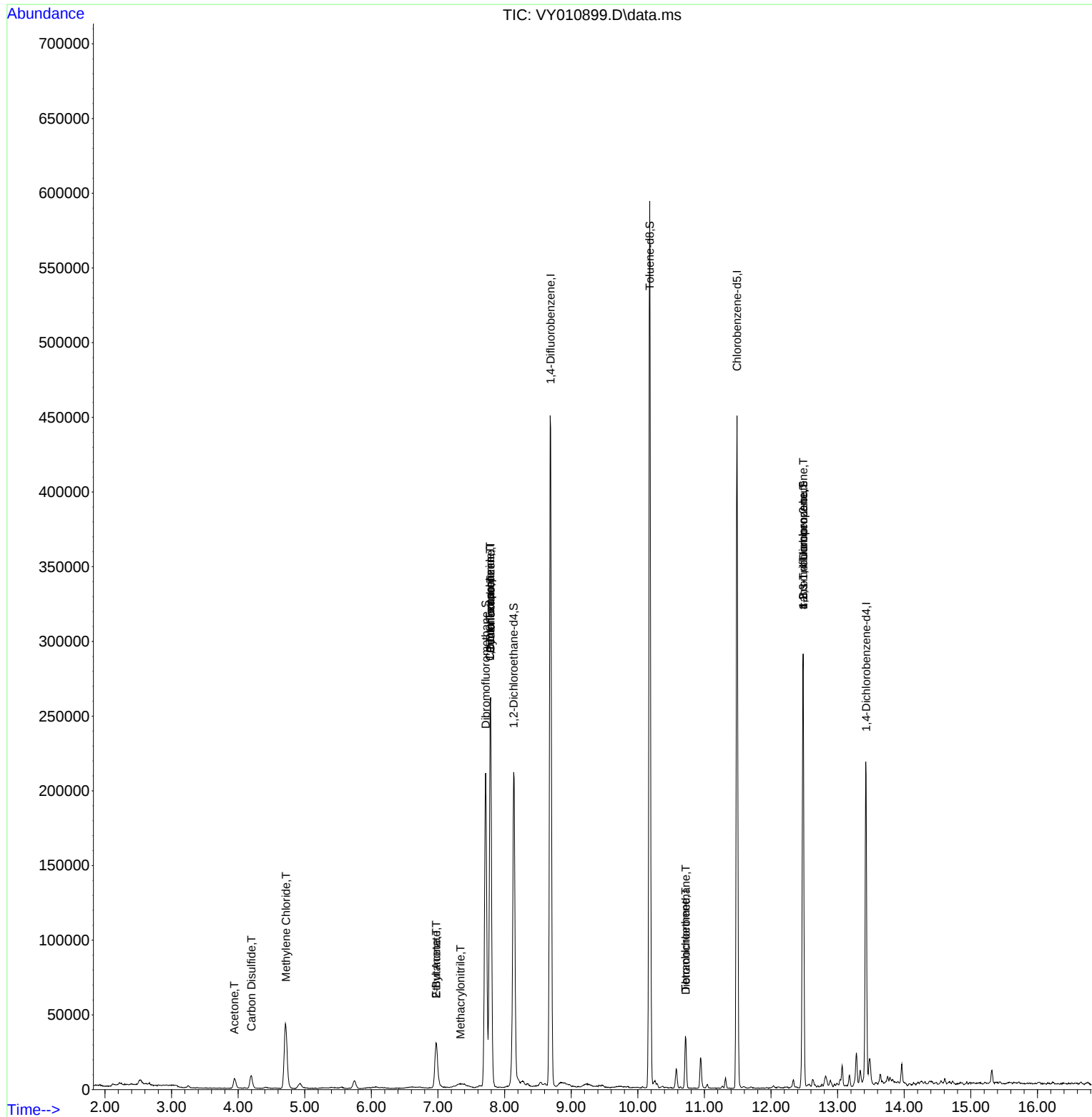
Internal Standards						
1) Pentafluorobenzene	7.789	168	203923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	389749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	244837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	57220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	155263	75.115	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.220%	
35) Dibromofluoromethane	7.716	113	148371	57.349	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.700%	
50) Toluene-d8	10.179	98	386267	43.657	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 87.320%	
62) 4-Bromofluorobenzene	12.483	95	86183	22.941	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 45.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	3715	Below Cal	#	81
16) Acetone	3.942	43	11644	22.180	ug/l	93
17) Carbon Disulfide	4.198	76	14809	2.377	ug/l #	95
20) Methylene Chloride	4.716	84	33850	10.601	ug/l #	82
25) 2-Butanone	6.972	43	3381	4.480	ug/l #	84
31) Cyclohexane	7.789	56	4207	1.137	ug/l #	6
36) 1,1-Dichloropropene	7.783	75	16027	4.291	ug/l #	51
37) Ethyl Acetate	6.972	43	3381	1.845	ug/l #	34
38) Carbon Tetrachloride	7.783	117	20499	5.270	ug/l #	16
41) Methacrylonitrile	7.338	41	55	2.630	ug/l #	1
60) Dibromochloromethane	10.721	129	6809	2.728	ug/l #	11
64) Tetrachloroethene	10.715	164	7316	3.769	ug/l	91
76) 1,2,3-Trichloropropane	12.483	75	44928	77.534	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	44928	161.962	ug/l #	7

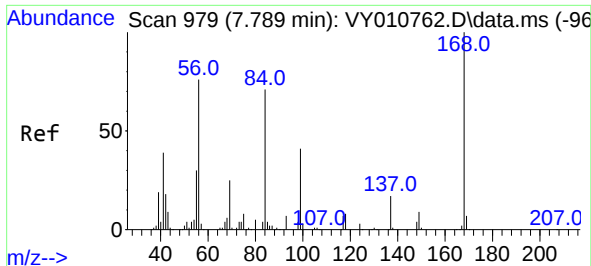
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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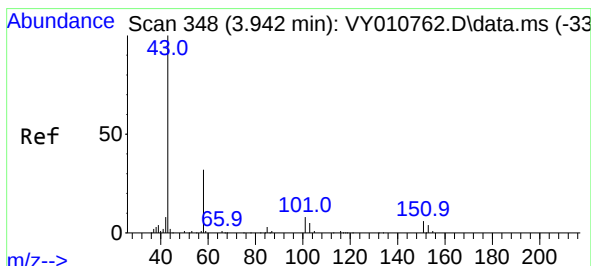
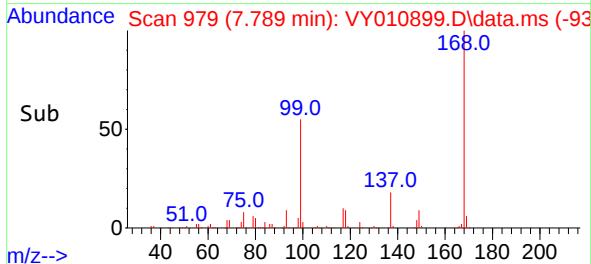
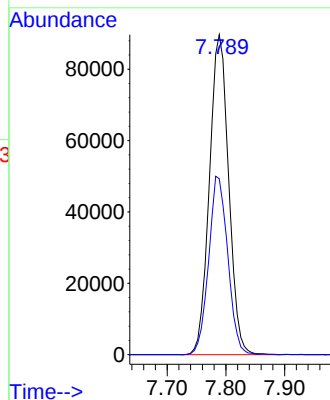
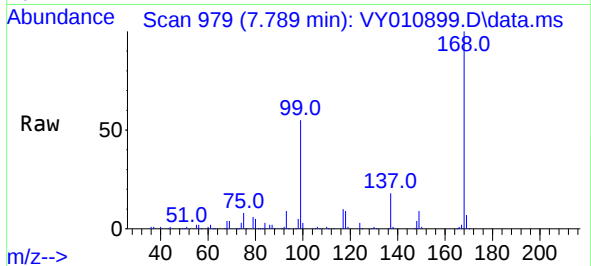




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010899.D
Acq: 10 Oct 2022 18:35

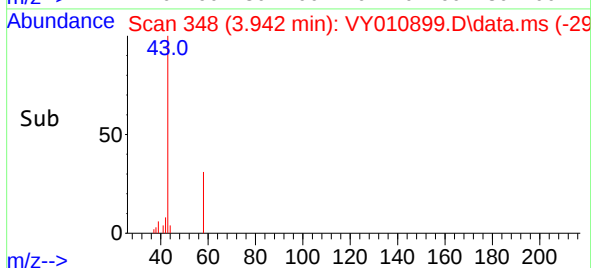
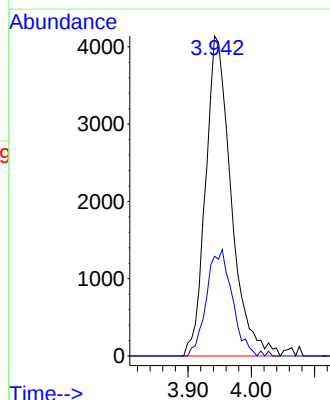
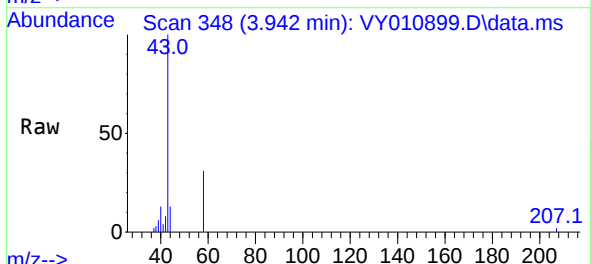
Instrument :
MSVOA_Y
ClientSampleId :

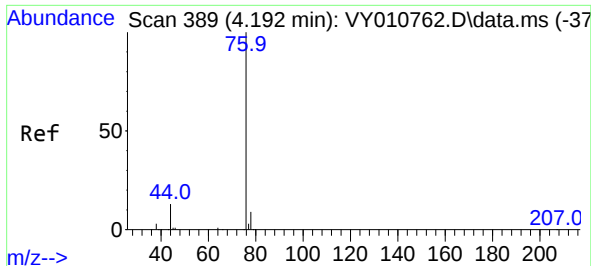
Tgt Ion:168 Resp: 203923
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#16
Acetone
Concen: 22.180 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY010899.D
Acq: 10 Oct 2022 18:35

Tgt Ion: 43 Resp: 11644
Ion Ratio Lower Upper
43 100
58 31.2 22.0 33.0

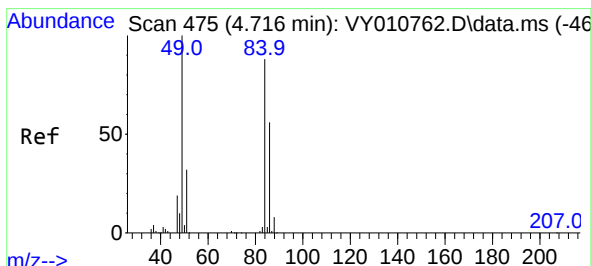
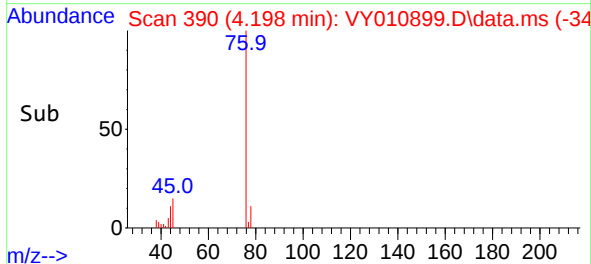
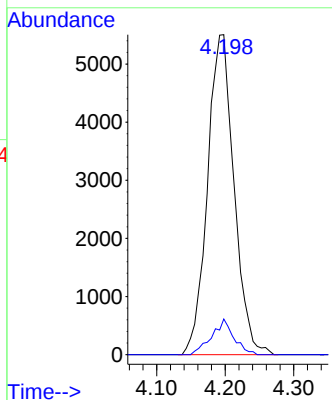
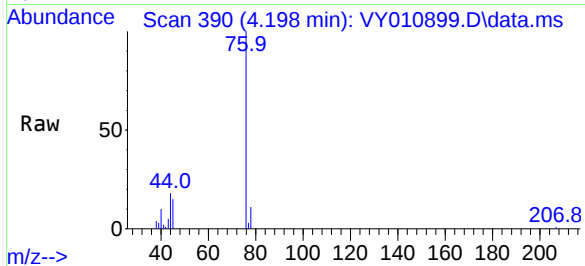




#17
Carbon Disulfide
Concen: 2.377 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.006 min
Lab File: VY010899.D
Acq: 10 Oct 2022 18:35

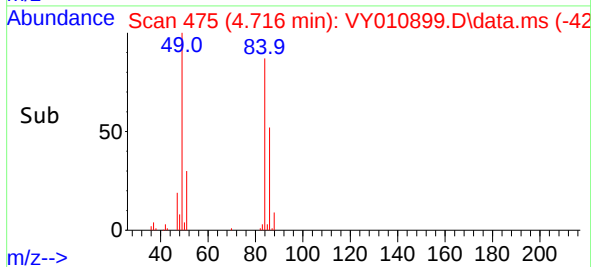
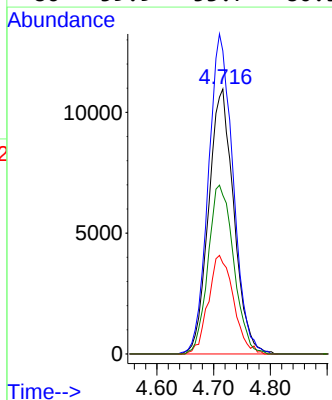
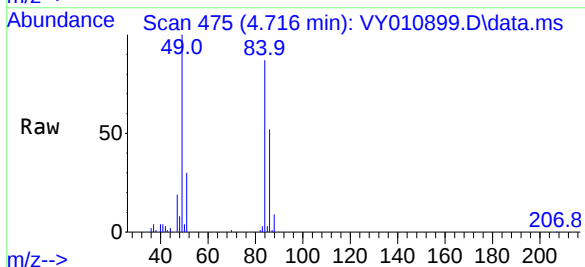
Instrument :
MSVOA_Y
ClientSampleId :

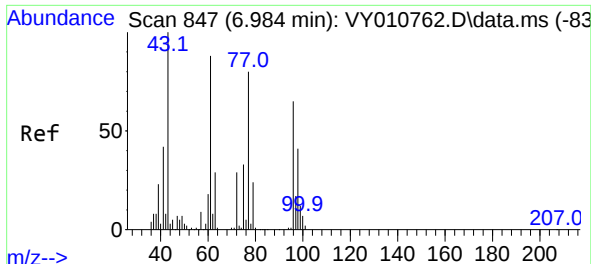
Tgt Ion: 76 Resp: 14809
Ion Ratio Lower Upper
76 100
78 11.2 7.4 11.0#



#20
Methylene Chloride
Concen: 10.601 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY010899.D
Acq: 10 Oct 2022 18:35

Tgt Ion: 84 Resp: 33850
Ion Ratio Lower Upper
84 100
49 114.4 114.4 171.6#
51 34.3 35.3 52.9#
86 59.9 53.7 80.5





#25

2-Butanone

Concen: 4.480 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

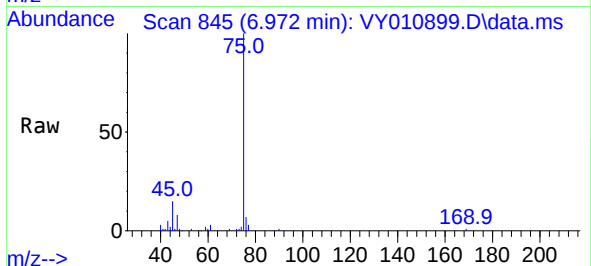
Lab File: VY010899.D

Acq: 10 Oct 2022 18:35

Instrument :

MSVOA_Y

ClientSampleId :

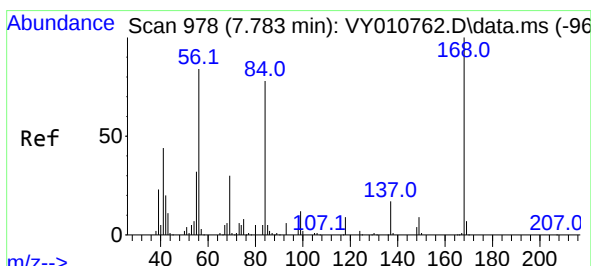
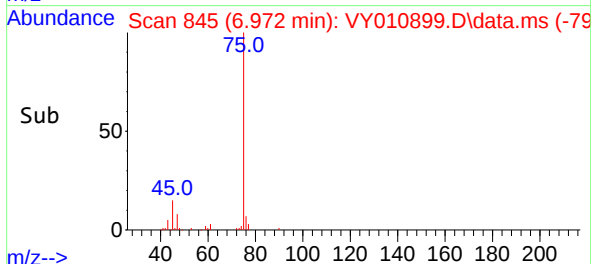
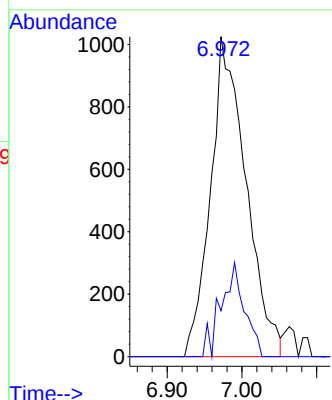


Tgt Ion: 43 Resp: 3381

Ion Ratio Lower Upper

43 100

72 14.3 17.7 26.5#



#31

Cyclohexane

Concen: 1.137 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY010899.D

Acq: 10 Oct 2022 18:35

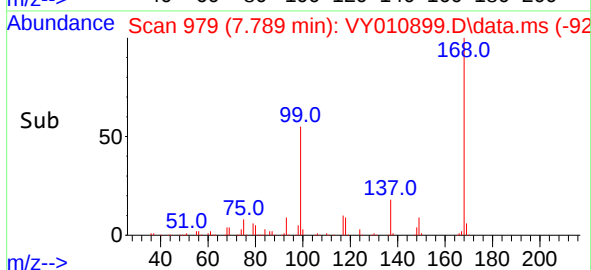
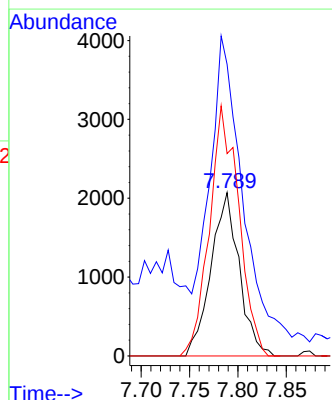
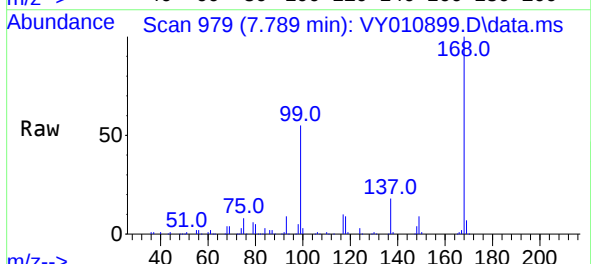
Tgt Ion: 56 Resp: 4207

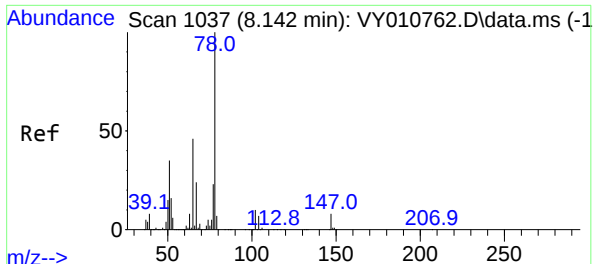
Ion Ratio Lower Upper

56 100

69 158.6 26.7 40.1#

84 123.9 67.2 100.8#

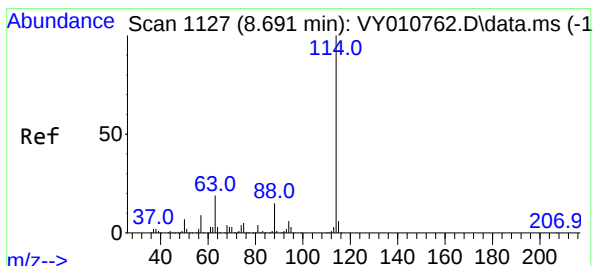
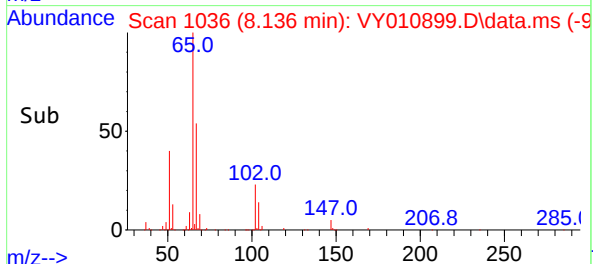
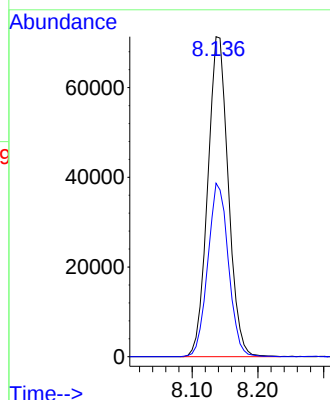
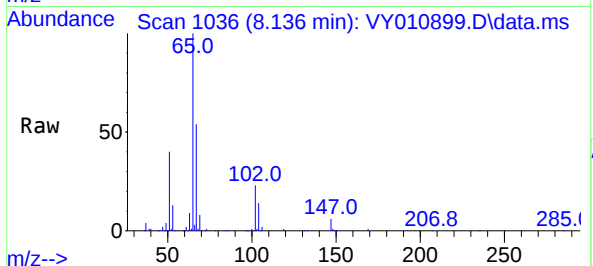




#33
1,2-Dichloroethane-d4
Concen: 75.115 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010899.D
Acq: 10 Oct 2022 18:35

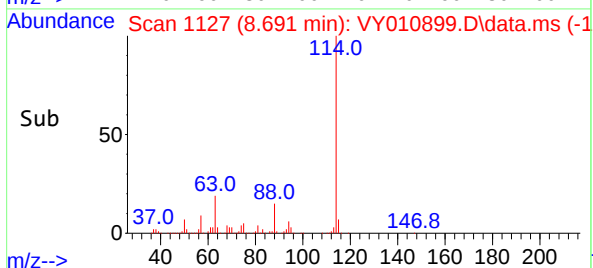
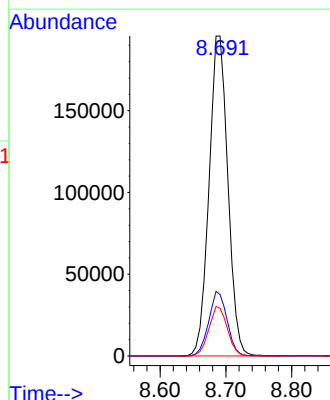
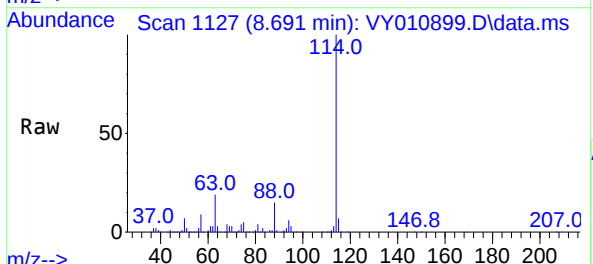
Instrument :
MSVOA_Y
ClientSampleId :

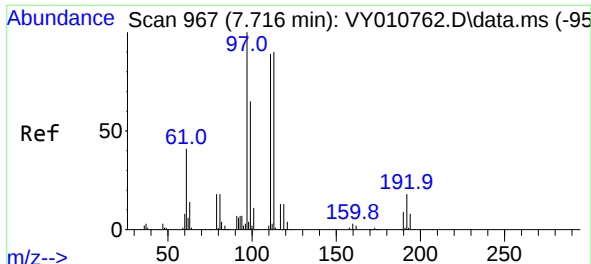
Tgt Ion: 65 Resp: 155263
Ion Ratio Lower Upper
65 100
67 54.3 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY010899.D
Acq: 10 Oct 2022 18:35

Tgt Ion:114 Resp: 389749
Ion Ratio Lower Upper
114 100
63 19.2 0.0 43.2
88 14.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 57.349 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY010899.D

Acq: 10 Oct 2022 18:35

Instrument :

MSVOA_Y

ClientSampleId :

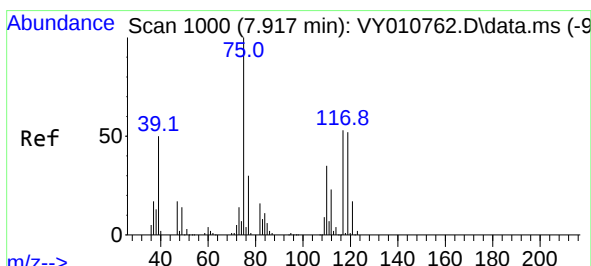
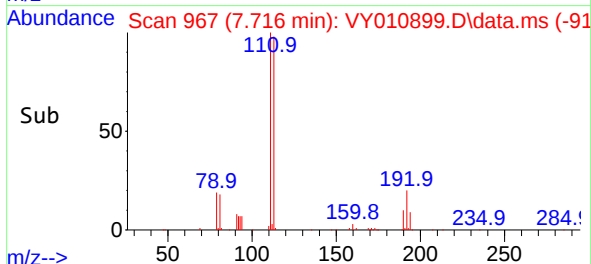
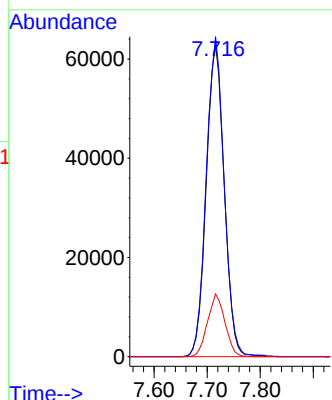
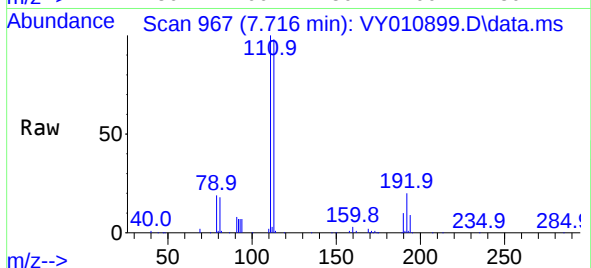
Tgt Ion:113 Resp: 148371

Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 19.4 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.291 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY010899.D

Acq: 10 Oct 2022 18:35

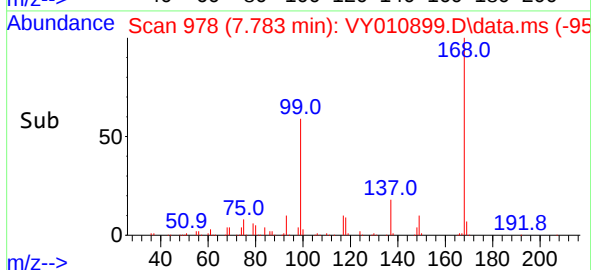
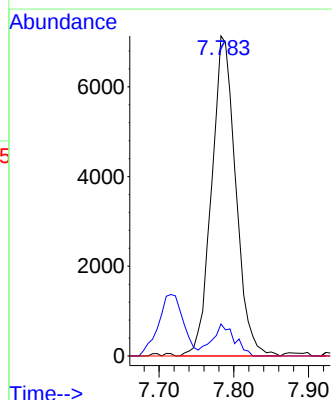
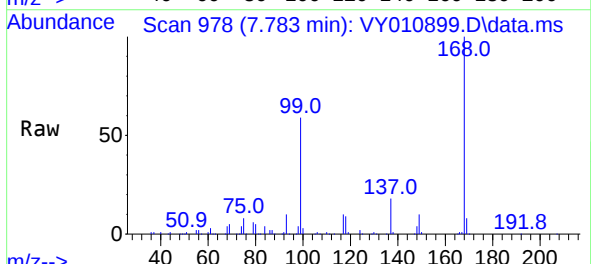
Tgt Ion: 75 Resp: 16027

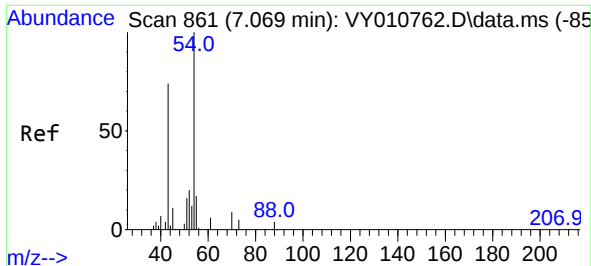
Ion Ratio Lower Upper

75 100

110 9.3 17.1 51.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.845 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.097 min

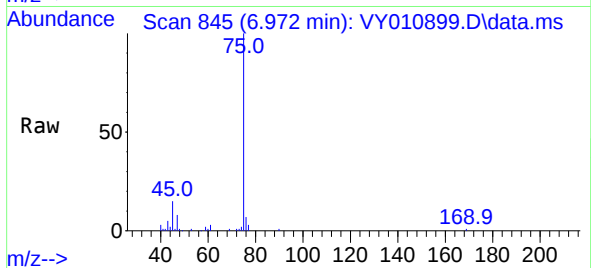
Lab File: VY010899.D

Acq: 10 Oct 2022 18:35

Instrument :

MSVOA_Y

ClientSampleId :



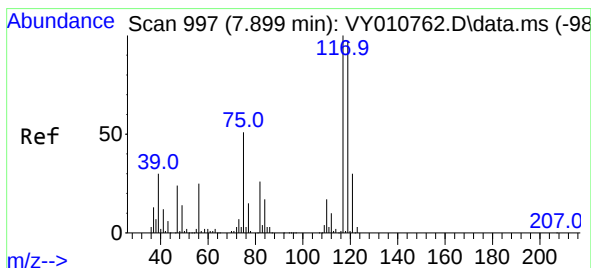
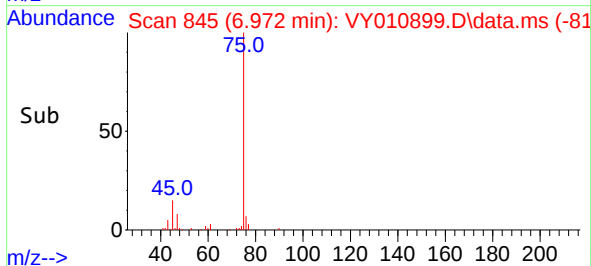
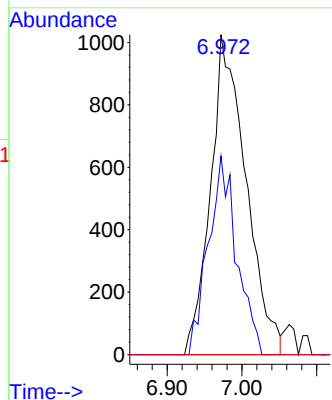
Tgt Ion: 43 Resp: 3381

Ion Ratio Lower Upper

43 100

61 49.7 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.270 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010899.D

Acq: 10 Oct 2022 18:35

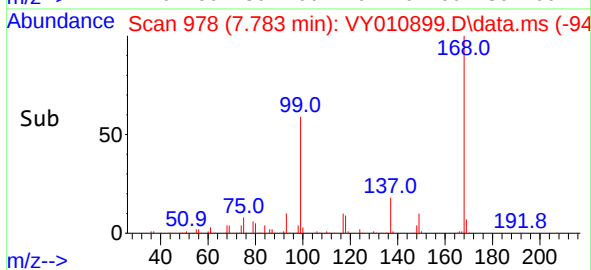
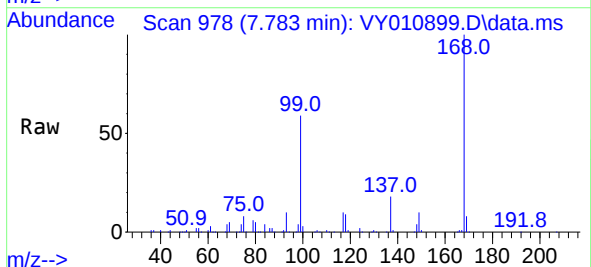
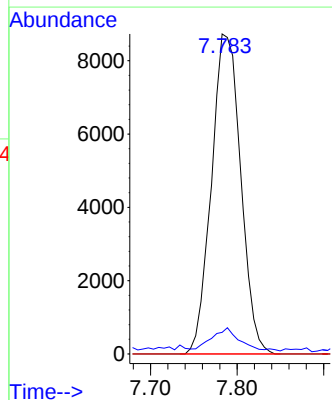
Tgt Ion: 117 Resp: 20499

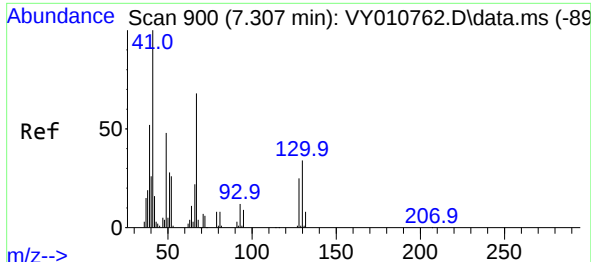
Ion Ratio Lower Upper

117 100

119 5.8 77.9 116.9#

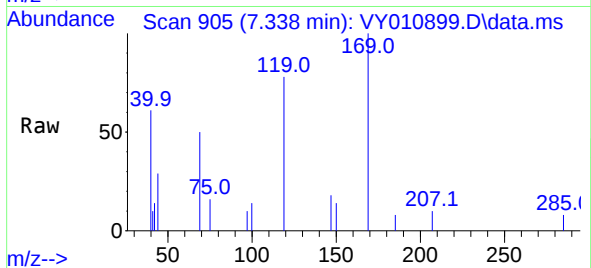
121 0.0 24.8 37.2#



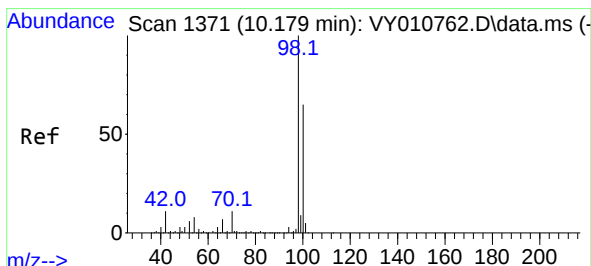
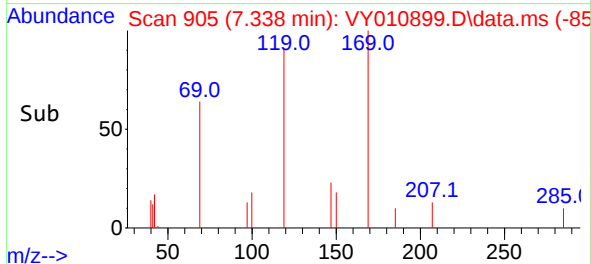
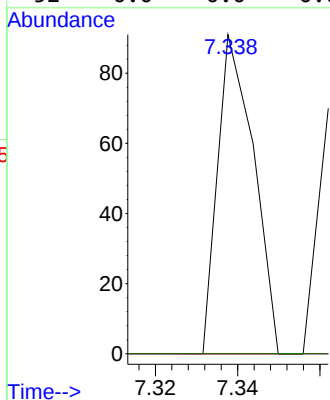


#41
Methacrylonitrile
Concen: 2.630 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.031 min
Lab File: VY010899.D
Acq: 10 Oct 2022 18:35

Instrument :
MSVOA_Y
ClientSampleId :

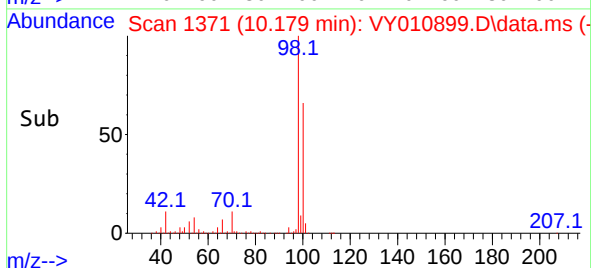
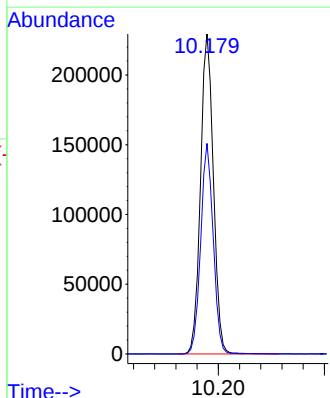
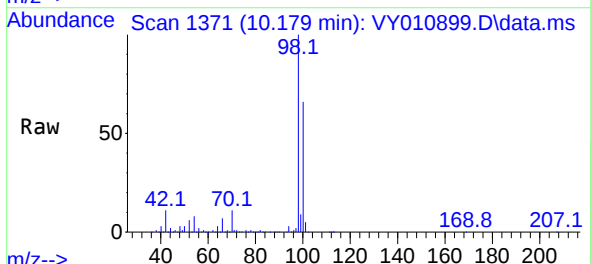


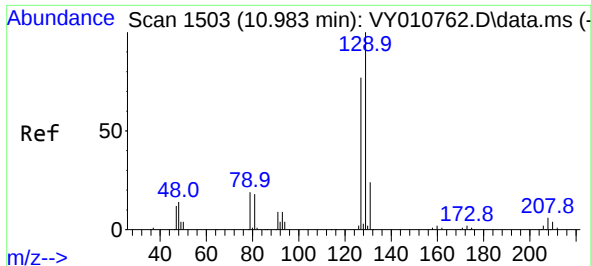
Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
39 0.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#50
Toluene-d8
Concen: 43.657 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010899.D
Acq: 10 Oct 2022 18:35

Tgt Ion: 98 Resp: 386267
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2

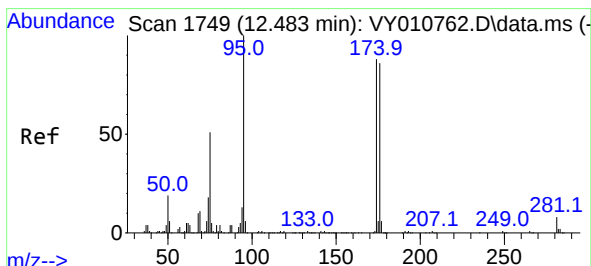
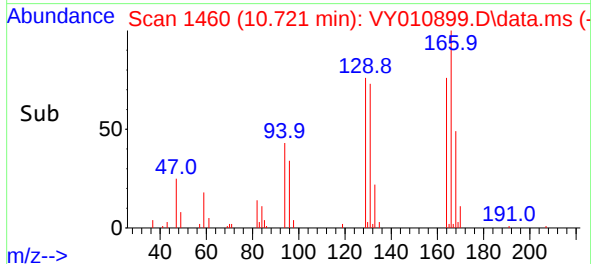
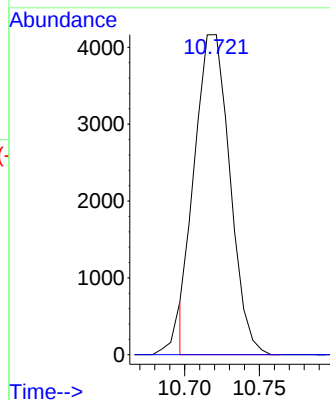
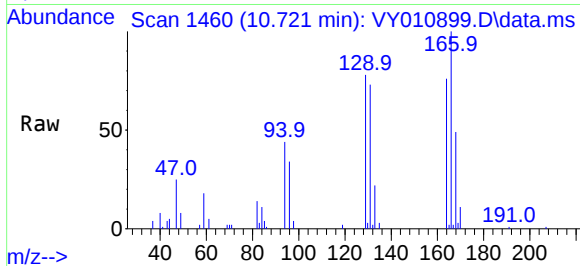




#60
Dibromochloromethane
Concen: 2.728 ug/l
RT: 10.721 min Scan# 14
Delta R.T. -0.262 min
Lab File: VY010899.D
Acq: 10 Oct 2022 18:35

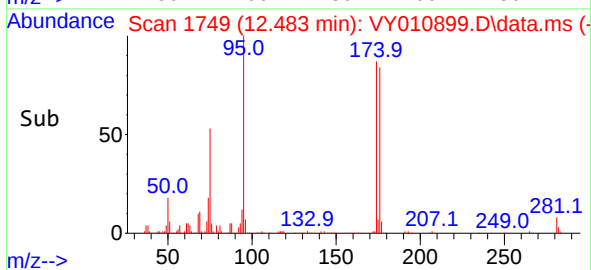
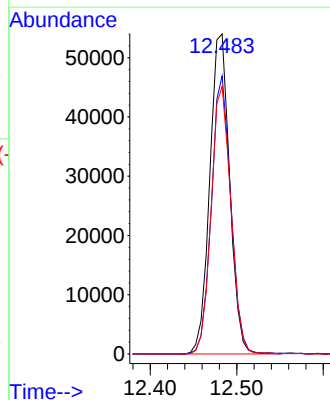
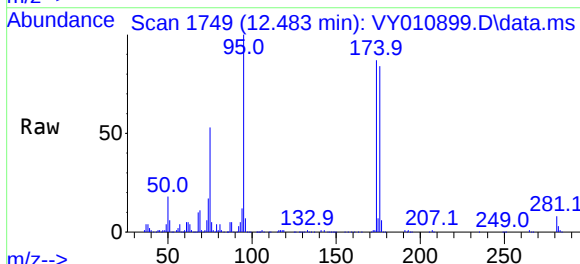
Instrument :
MSVOA_Y
ClientSampleId :

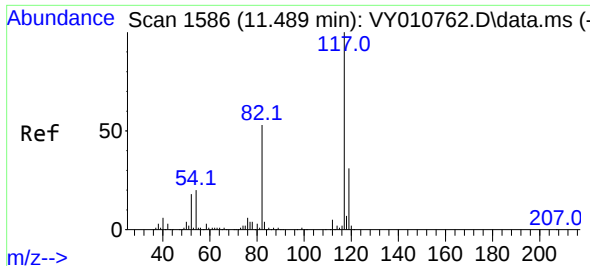
Tgt Ion:129 Resp: 6809
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 22.941 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010899.D
Acq: 10 Oct 2022 18:35

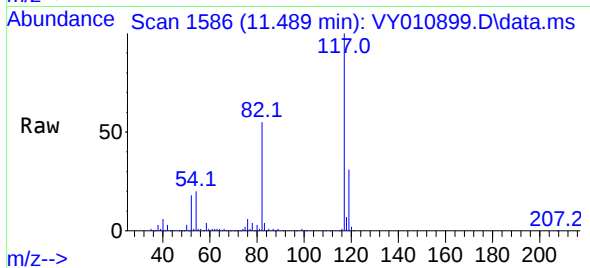
Tgt Ion: 95 Resp: 86183
Ion Ratio Lower Upper
95 100
174 84.7 0.0 177.0
176 83.0 0.0 175.8



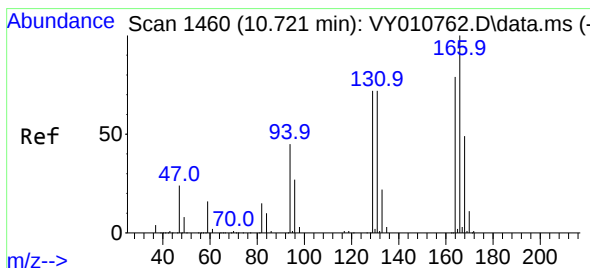
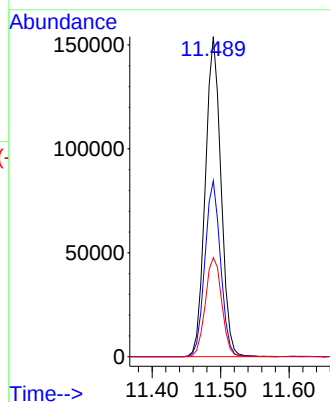
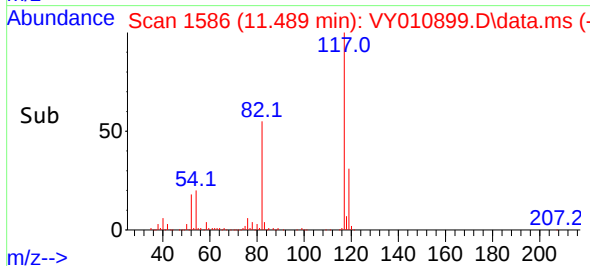


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010899.D
Acq: 10 Oct 2022 18:35

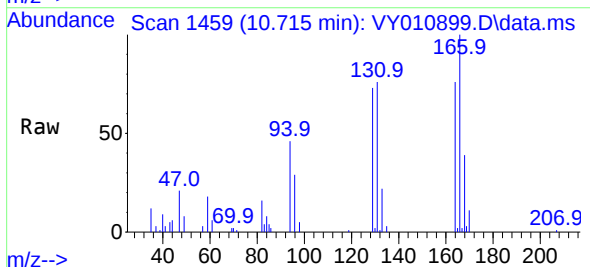
Instrument :
MSVOA_Y
ClientSampleId :



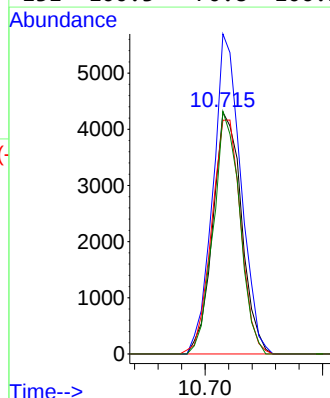
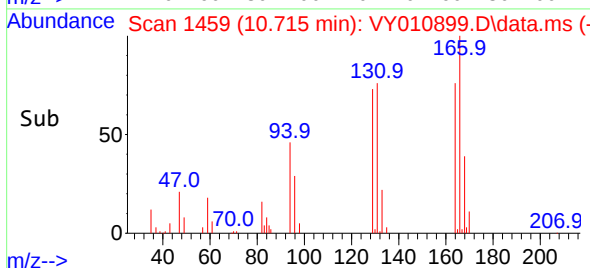
Tgt Ion:117 Resp: 244837
Ion Ratio Lower Upper
117 100
82 55.0 43.0 64.4
119 30.9 25.4 38.0

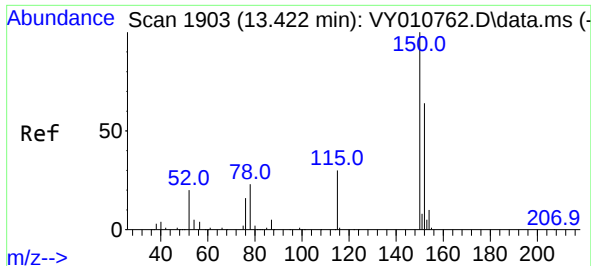


#64
Tetrachloroethene
Concen: 3.769 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY010899.D
Acq: 10 Oct 2022 18:35



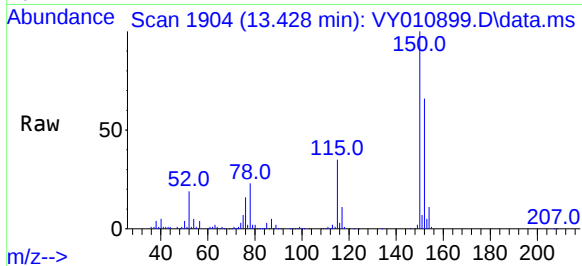
Tgt Ion:164 Resp: 7316
Ion Ratio Lower Upper
164 100
166 132.3 100.4 150.6
129 96.7 71.4 107.0
131 100.3 70.8 106.2



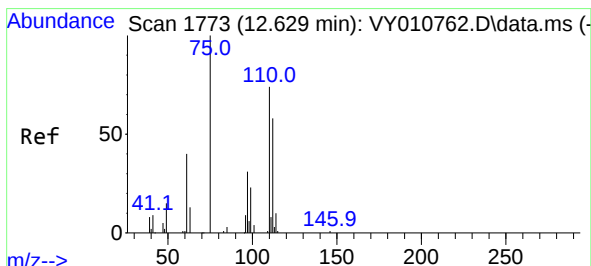
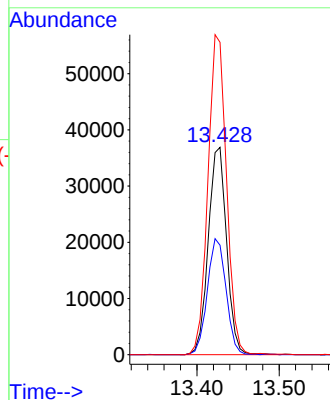
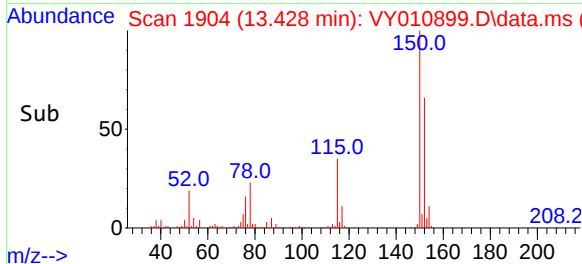


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY010899.D
 Acq: 10 Oct 2022 18:35

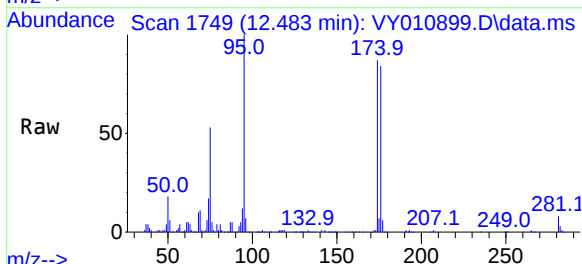
Instrument :
 MSVOA_Y
 ClientSampleId :



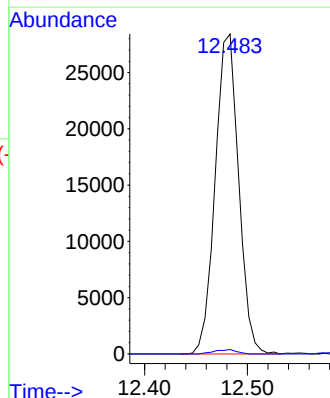
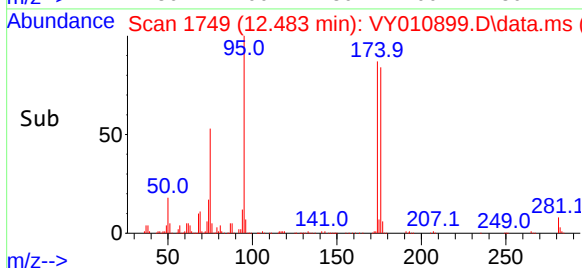
Tgt Ion:152 Resp: 57220
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.2 84.7
 150 155.4 0.0 347.6

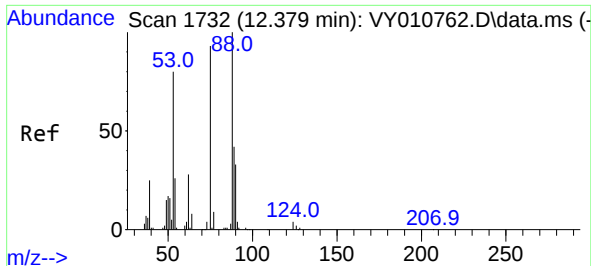


#76
 1,2,3-Trichloropropane
 Concen: 77.534 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY010899.D
 Acq: 10 Oct 2022 18:35



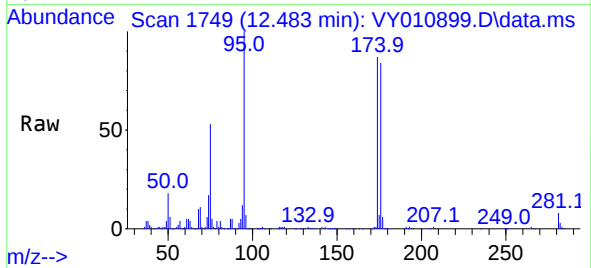
Tgt Ion: 75 Resp: 44928
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 161.962 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY010899.D
 Acq: 10 Oct 2022 18:35

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 44928
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

