

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122322\
 Data File : VY011996.D
 Acq On : 23 Dec 2022 14:38
 Operator : KP/MD
 Sample : N6190-01
 Misc : 6.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 22:25:23 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)

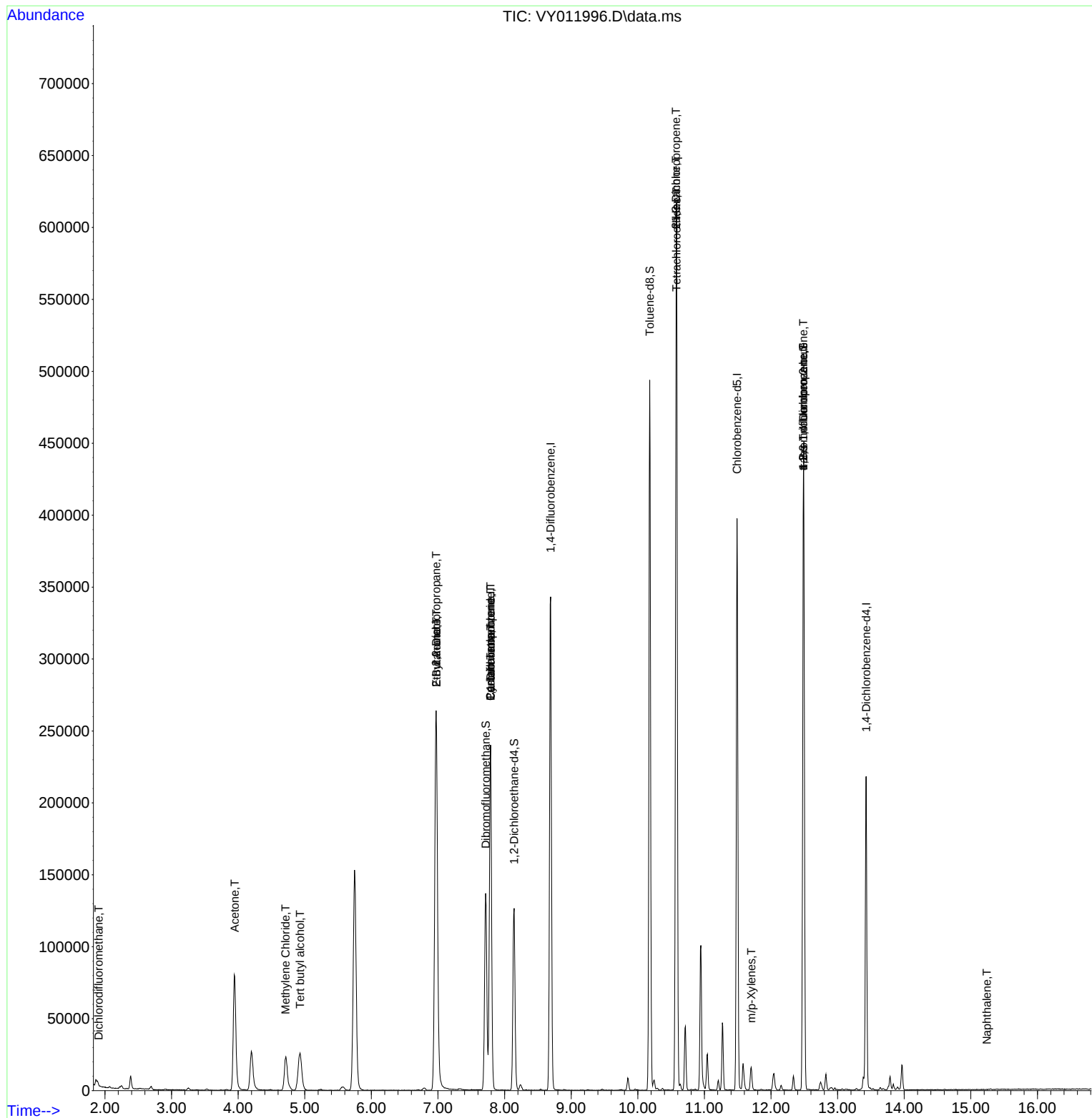
Internal Standards						
1) Pentafluorobenzene	7.789	168	187709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	299475	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	218692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	56591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	103130	54.534	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.060%	
35) Dibromofluoromethane	7.716	113	94932	52.654	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.300%	
50) Toluene-d8	10.179	98	328246	44.874	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 89.740%	
62) 4-Bromofluorobenzene	12.483	95	69473	28.239	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 56.480%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	59	2.505	ug/l #	41
11) Tert butyl alcohol	4.930	59	26308	124.078	ug/l #	78
16) Acetone	3.948	43	138391	245.205	ug/l	96
20) Methylene Chloride	4.710	84	18132	2.623	ug/l	92
25) 2-Butanone	6.978	43	21494	34.120	ug/l #	89
26) 2,2-Dichloropropane	6.972	77	19173	5.852	ug/l #	53
31) Cyclohexane	7.789	56	4047	1.271	ug/l #	22
36) 1,1-Dichloropropene	7.789	75	13661	4.724	ug/l #	50
37) Ethyl Acetate	6.978	43	21494	16.566	ug/l #	29
38) Carbon Tetrachloride	7.789	117	18404	5.510	ug/l #	18
53) t-1,3-Dichloropropene	10.575	75	7219	2.557	ug/l #	60
59) 2-Hexanone	10.575	43	1130	1.216	ug/l	99
64) Tetrachloroethene	10.581	164	2073	1.083	ug/l #	40
68) m/p-Xylenes	11.703	106	5005	1.568	ug/l	100
76) 1,2,3-Trichloropropane	12.483	75	38665	54.908	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	38665	150.365	ug/l #	14
95) Naphthalene	15.239	128	79	2.814	ug/l #	69

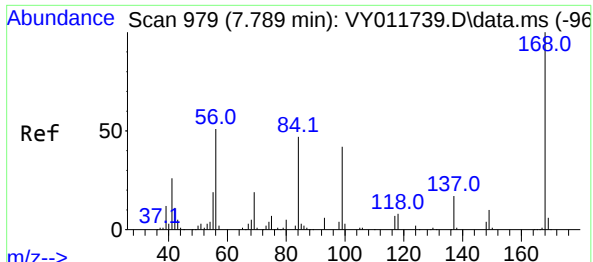
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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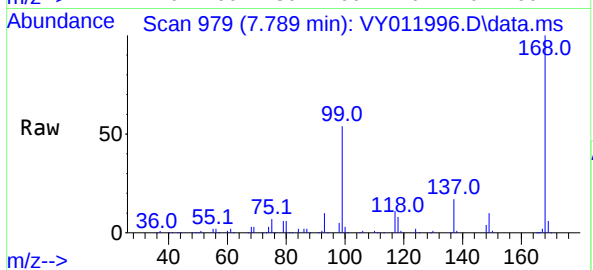
Quant Time: Dec 23 22:25:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration



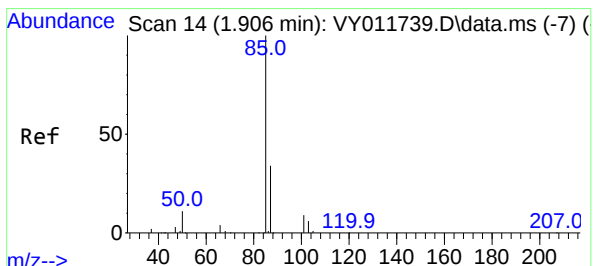
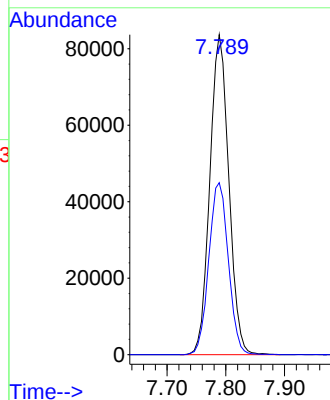
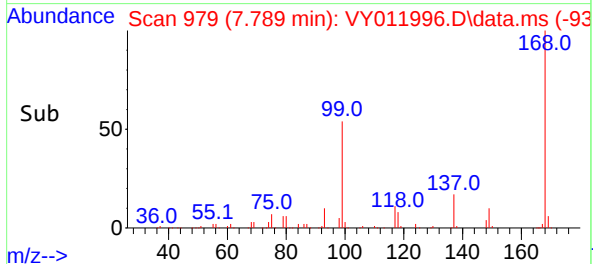


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38

Instrument :
MSVOA_Y
ClientSampleId :

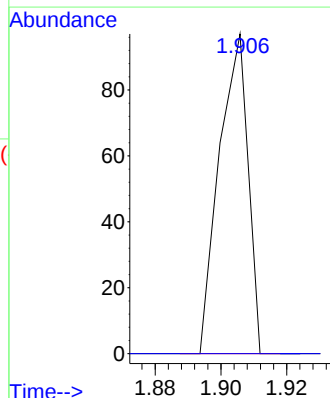
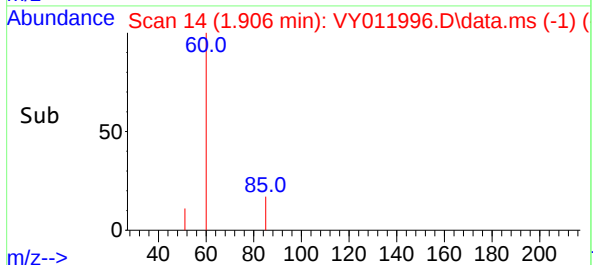
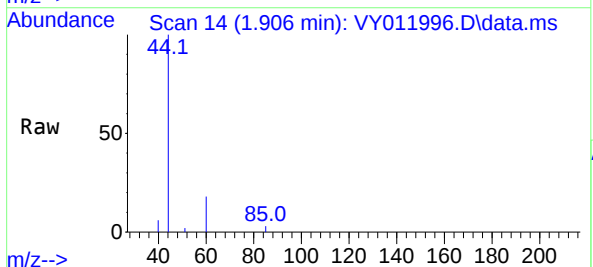


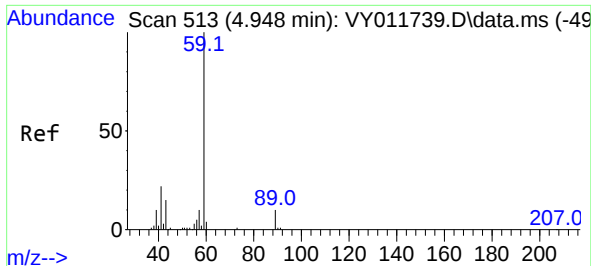
Tgt Ion:168 Resp: 187709
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.505 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38

Tgt Ion: 85 Resp: 59
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

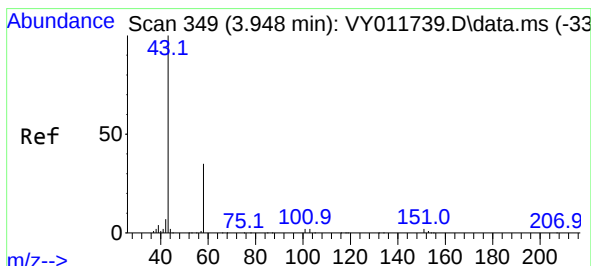
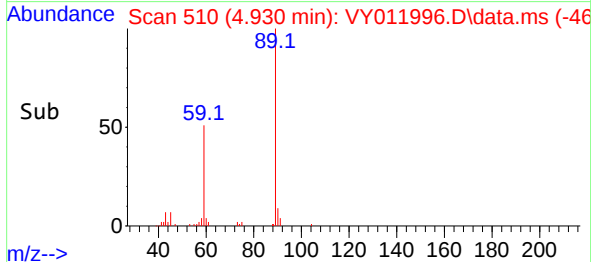
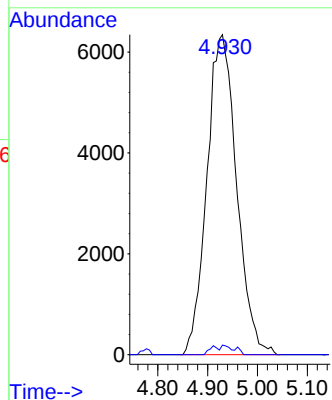
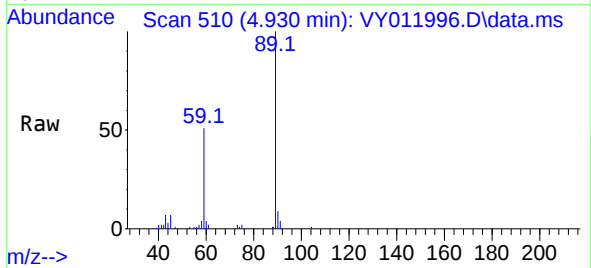




#11
Tert butyl alcohol
Concen: 124.078 ug/l
RT: 4.930 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38

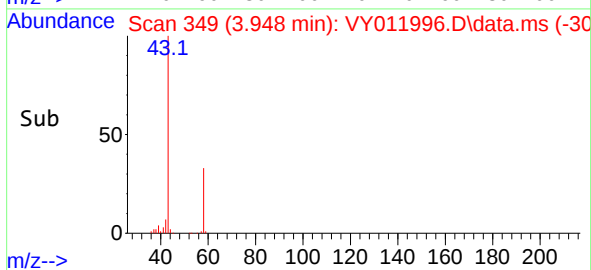
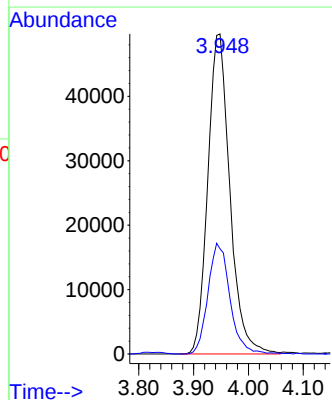
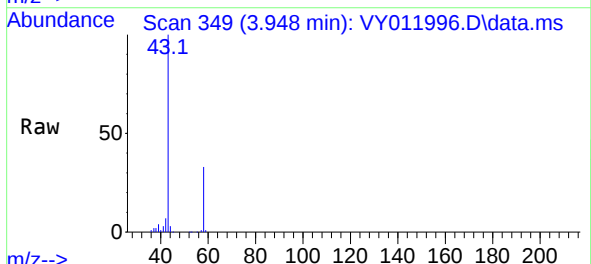
Instrument :
MSVOA_Y
ClientSampleId :

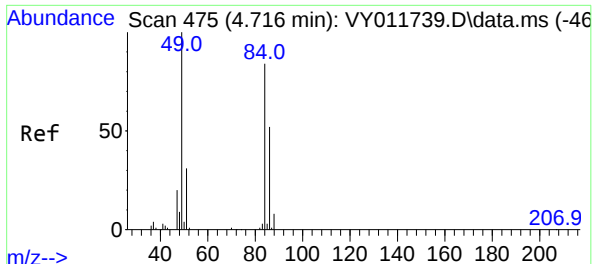
Tgt Ion: 59 Resp: 26308
Ion Ratio Lower Upper
59 100
57 1.3 7.4 11.2#



#16
Acetone
Concen: 245.205 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38

Tgt Ion: 43 Resp: 138391
Ion Ratio Lower Upper
43 100
58 32.8 27.9 41.9





#20

Methylene Chloride

Concen: 2.623 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011996.D

Acq: 23 Dec 2022 14:38

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 18132

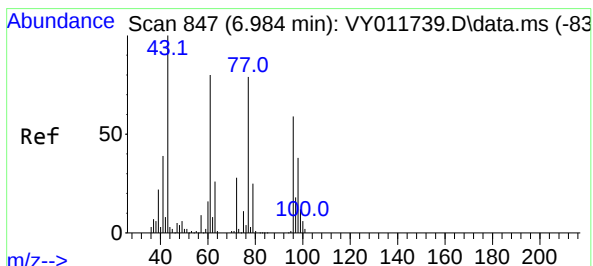
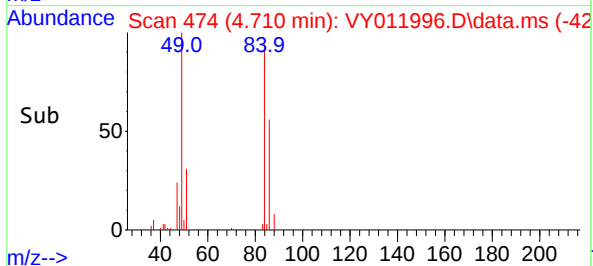
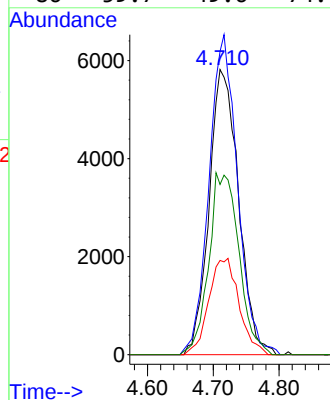
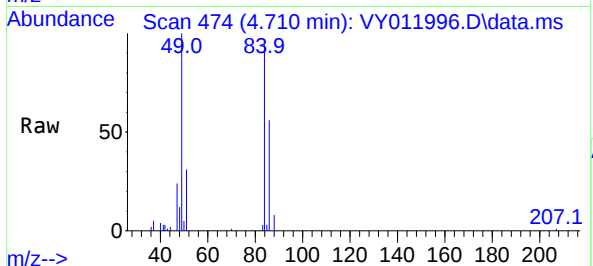
Ion Ratio Lower Upper

84 100

49 106.3 95.4 143.2

51 33.1 29.9 44.9

86 59.7 49.6 74.4



#25

2-Butanone

Concen: 34.120 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY011996.D

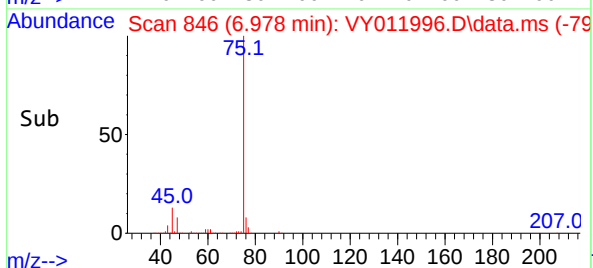
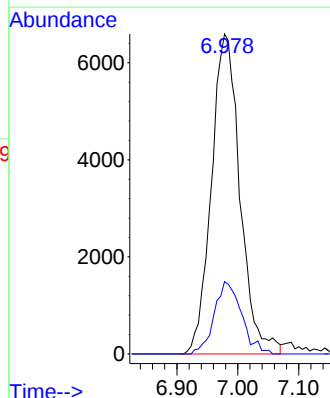
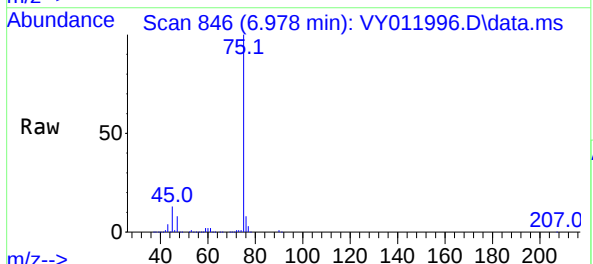
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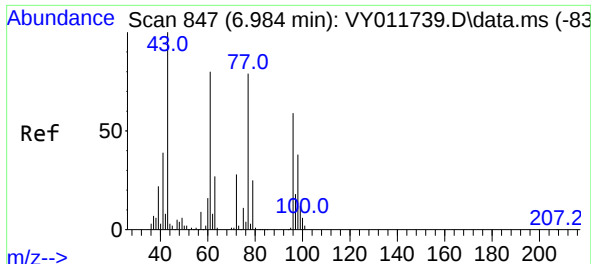
Tgt Ion: 43 Resp: 21494

Ion Ratio Lower Upper

43 100

72 22.6 22.6 34.0#





#26

2,2-Dichloropropane

Concen: 5.852 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

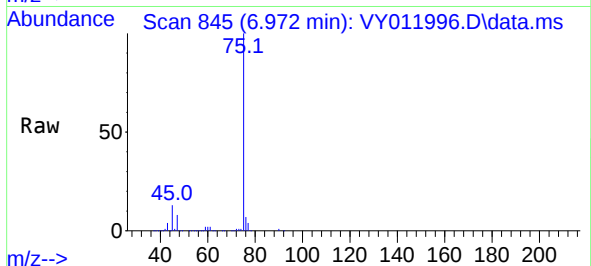
Lab File: VY011996.D

Acq: 23 Dec 2022 14:38

Instrument :

MSVOA_Y

ClientSampleId :

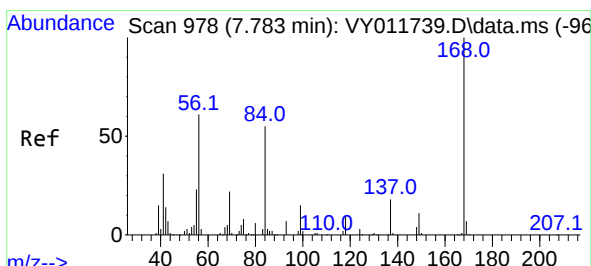
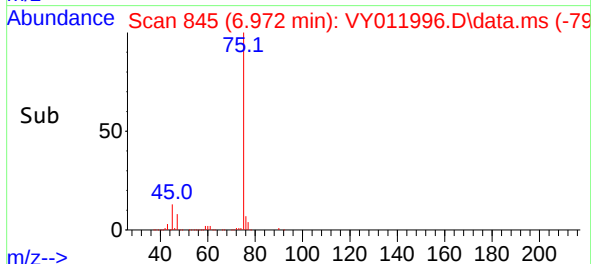
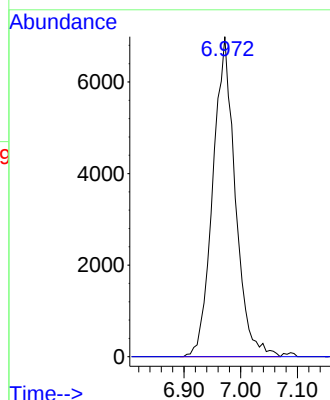


Tgt Ion: 77 Resp: 19173

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#31

Cyclohexane

Concen: 1.271 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011996.D

Acq: 23 Dec 2022 14:38

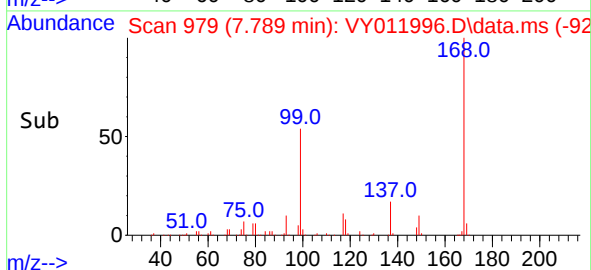
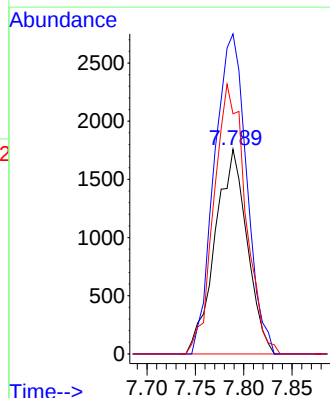
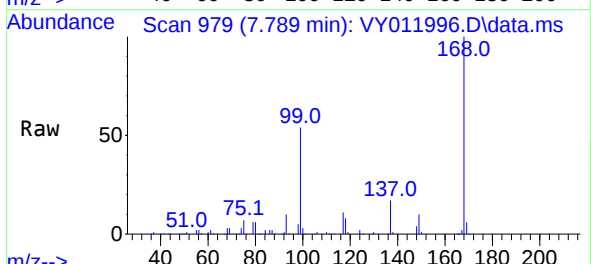
Tgt Ion: 56 Resp: 4047

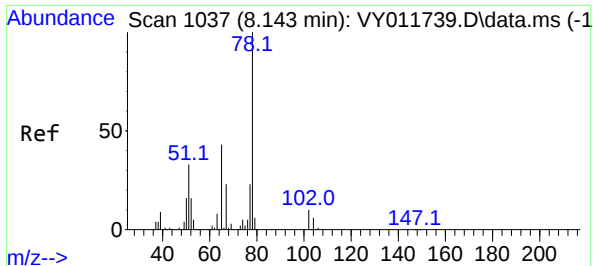
Ion Ratio Lower Upper

56 100

69 156.4 29.2 43.8#

84 117.4 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 54.534 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011996.D

Acq: 23 Dec 2022 14:38

Instrument :

MSVOA_Y

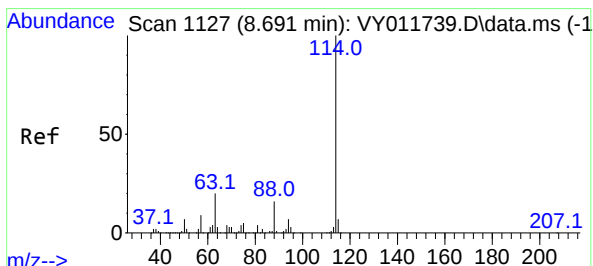
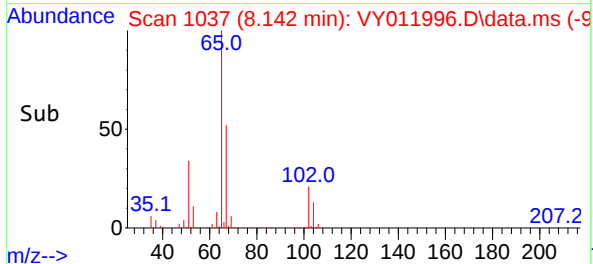
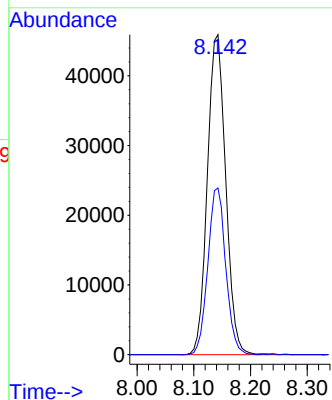
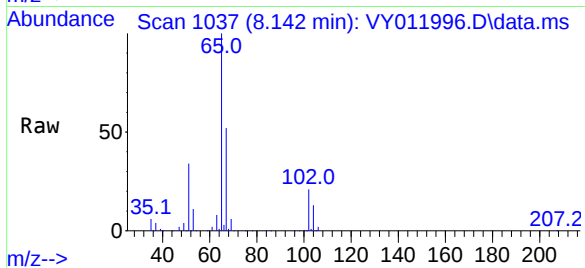
ClientSampleId :

Tgt Ion: 65 Resp: 103130

Ion Ratio Lower Upper

65 100

67 50.8 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: VY011996.D

Acq: 23 Dec 2022 14:38

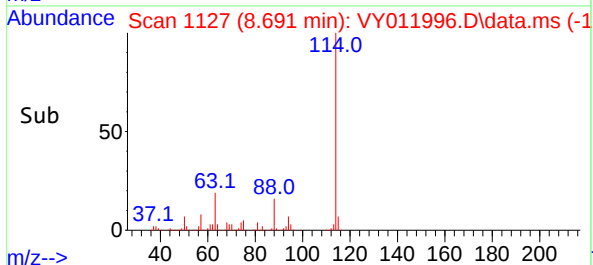
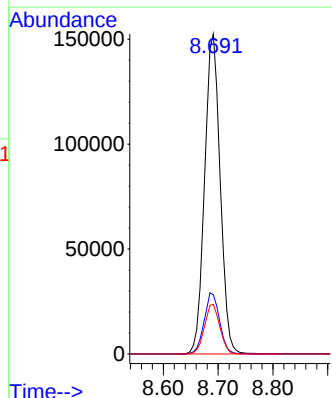
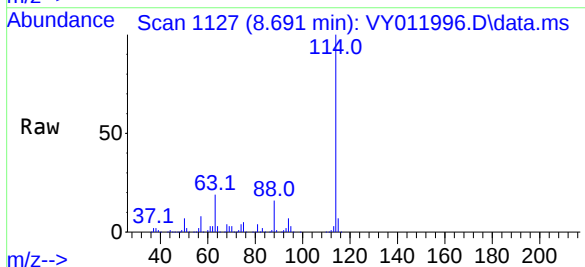
Tgt Ion: 114 Resp: 299475

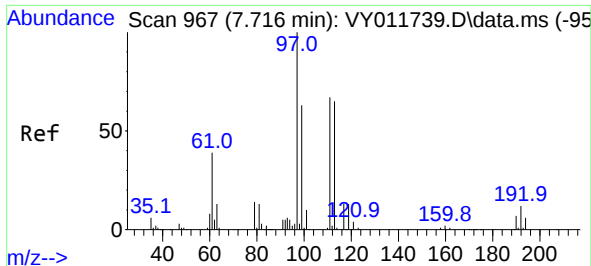
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

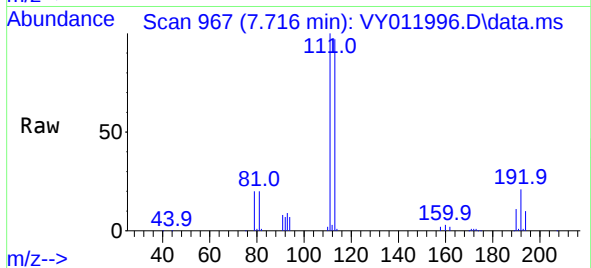
88 15.5 0.0 32.2



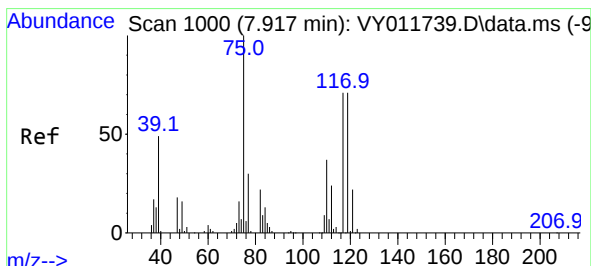
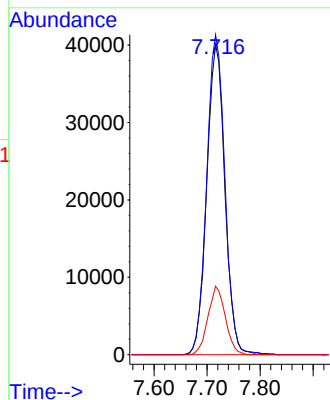
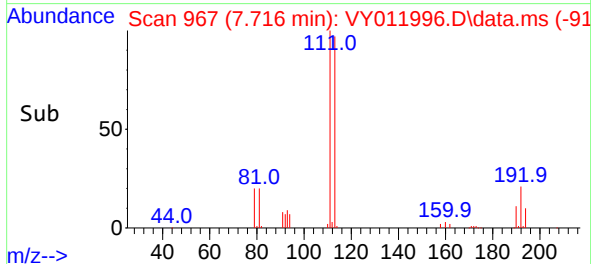


#35
Dibromofluoromethane
Concen: 52.654 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38

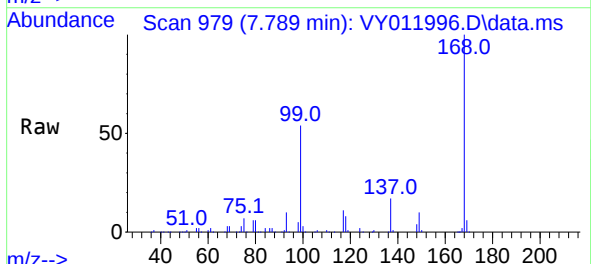
Instrument :
MSVOA_Y
ClientSampleId :



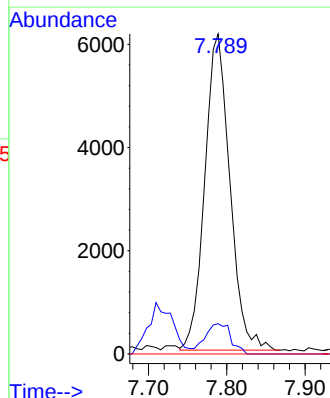
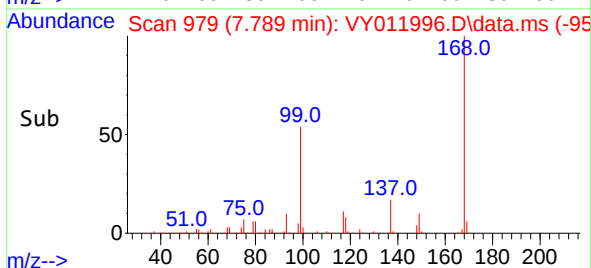
Tgt Ion:113 Resp: 94932
Ion Ratio Lower Upper
113 100
111 103.7 83.0 124.4
192 21.2 16.0 24.0

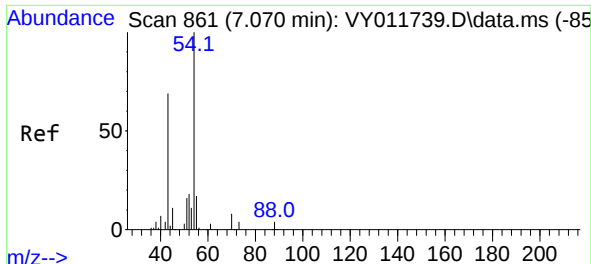


#36
1,1-Dichloropropene
Concen: 4.724 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38



Tgt Ion: 75 Resp: 13661
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 16.566 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

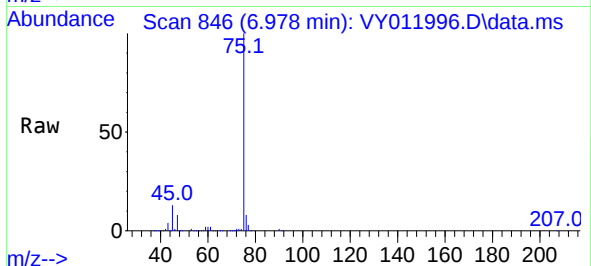
Lab File: VY011996.D

Acq: 23 Dec 2022 14:38

Instrument :

MSVOA_Y

ClientSampleId :



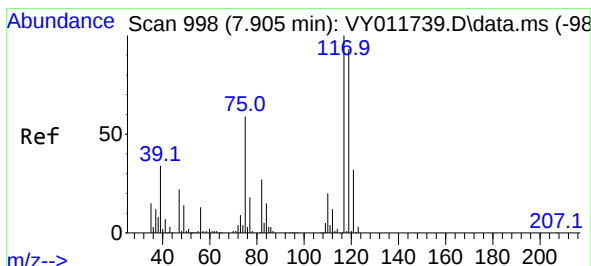
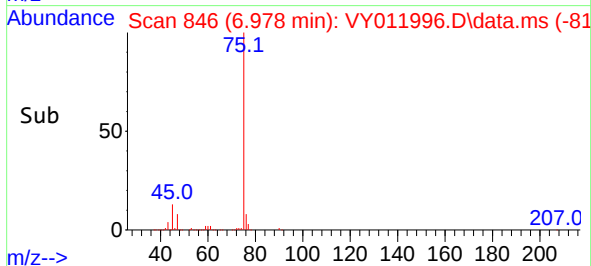
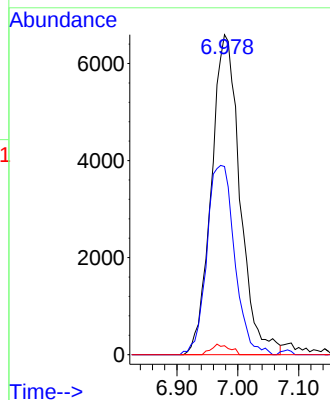
Tgt Ion: 43 Resp: 21494

Ion Ratio Lower Upper

43 100

61 57.6 11.3 16.9#

70 2.1 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 5.510 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011996.D

Acq: 23 Dec 2022 14:38

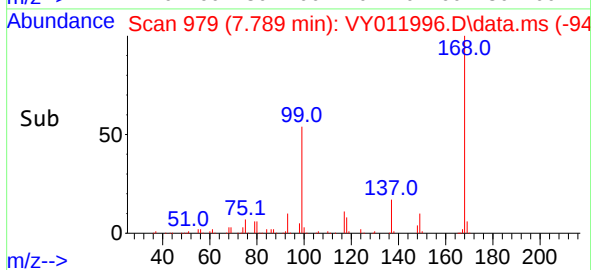
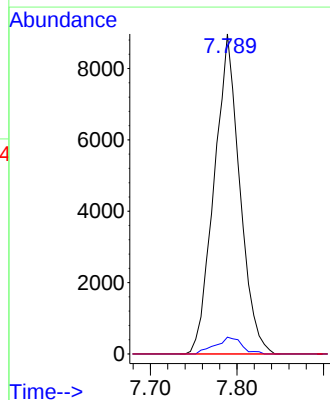
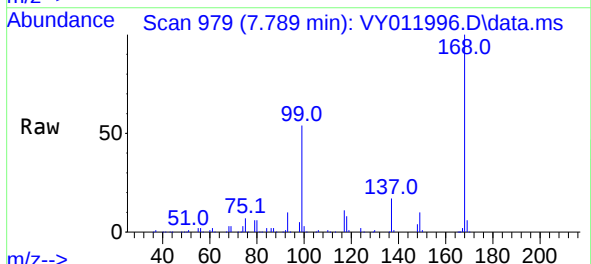
Tgt Ion: 117 Resp: 18404

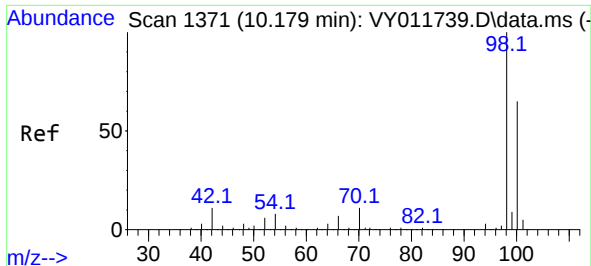
Ion Ratio Lower Upper

117 100

119 5.3 73.8 110.8#

121 0.0 25.2 37.8#

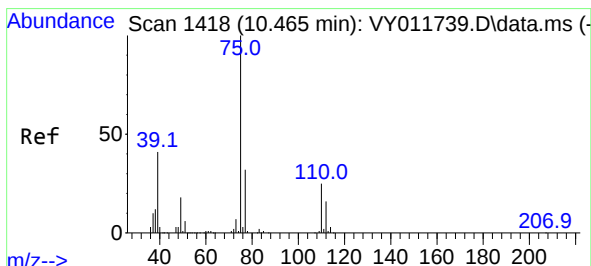
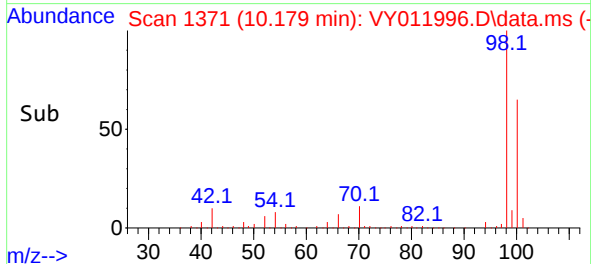
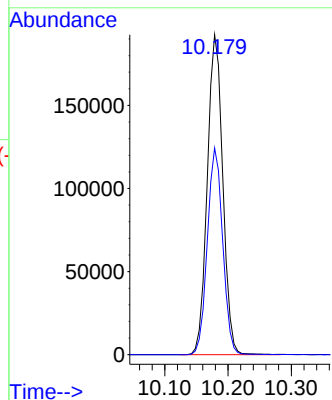
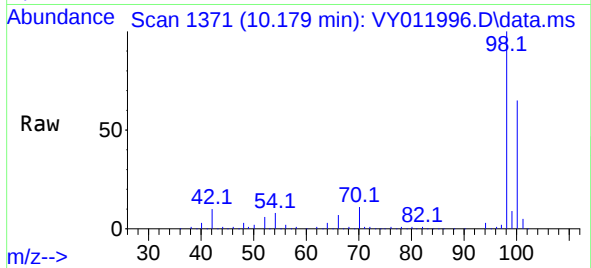




#50
Toluene-d8
Concen: 44.874 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38

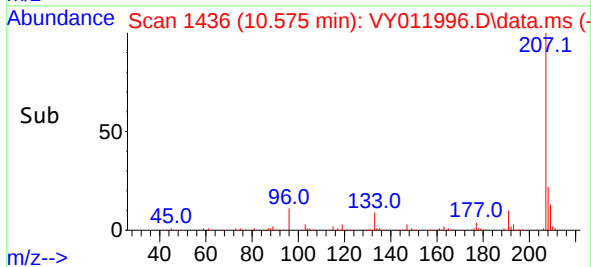
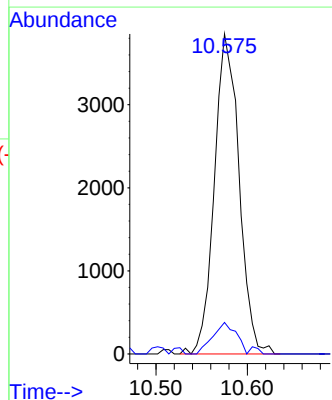
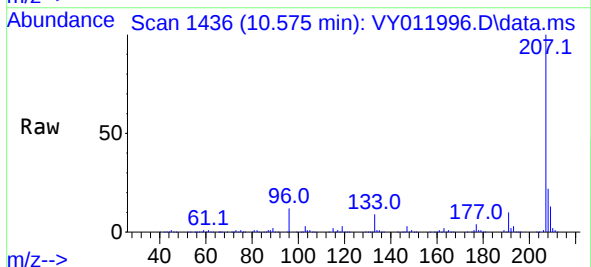
Instrument :
MSVOA_Y
ClientSampleId :

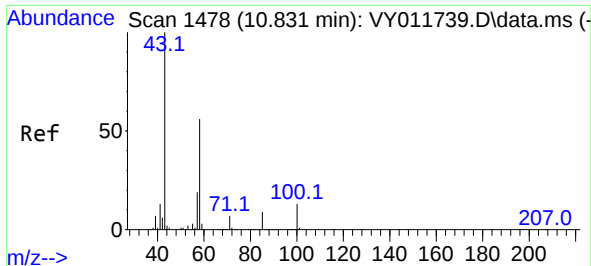
Tgt Ion: 98 Resp: 328246
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9



#53
t-1,3-Dichloropropene
Concen: 2.557 ug/l
RT: 10.575 min Scan# 1436
Delta R.T. 0.110 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38

Tgt Ion: 75 Resp: 7219
Ion Ratio Lower Upper
75 100
77 9.8 25.8 38.8#





#59

2-Hexanone

Concen: 1.216 ug/l

RT: 10.575 min Scan# 14

Delta R.T. -0.256 min

Lab File: VY011996.D

Acq: 23 Dec 2022 14:38

Instrument :

MSVOA_Y

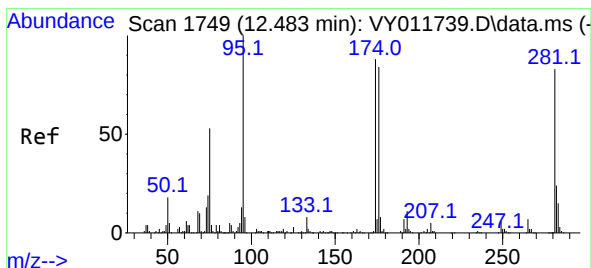
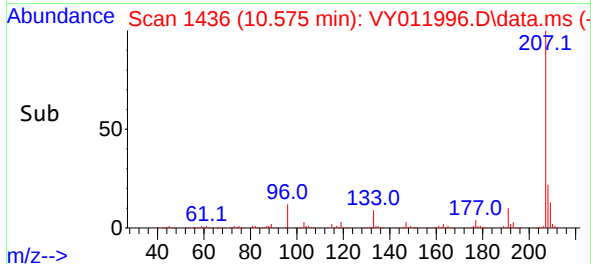
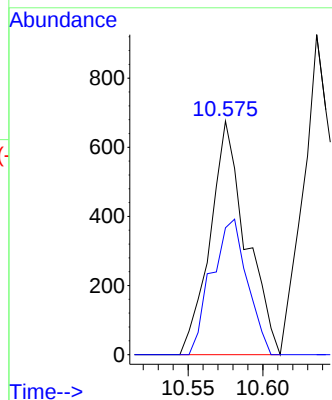
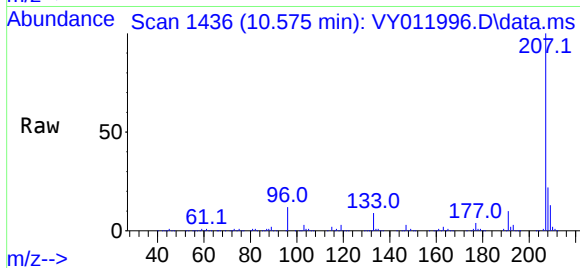
ClientSampleId :

Tgt Ion: 43 Resp: 1130

Ion Ratio Lower Upper

43 100

58 57.3 28.4 85.2



#62

4-Bromofluorobenzene

Concen: 28.239 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY011996.D

Acq: 23 Dec 2022 14:38

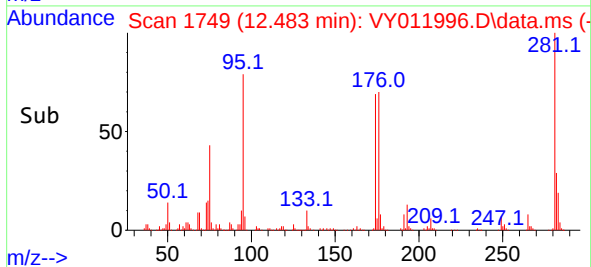
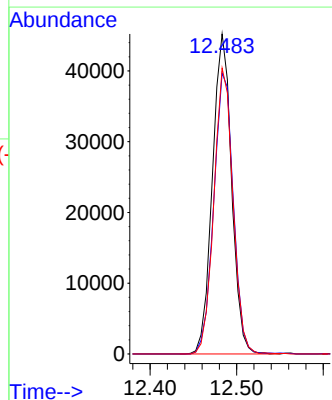
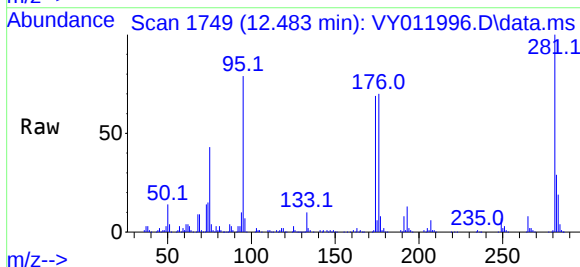
Tgt Ion: 95 Resp: 69473

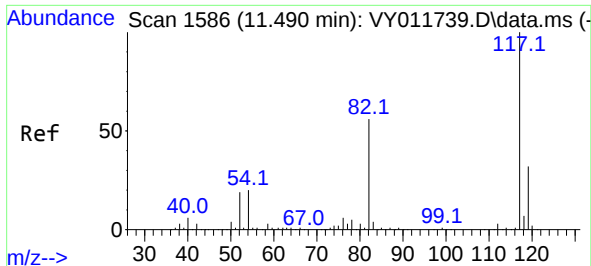
Ion Ratio Lower Upper

95 100

174 89.6 0.0 172.0

176 88.8 0.0 167.6

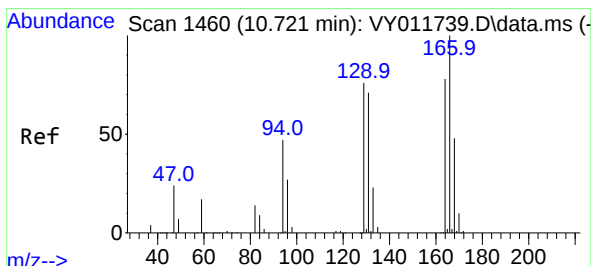
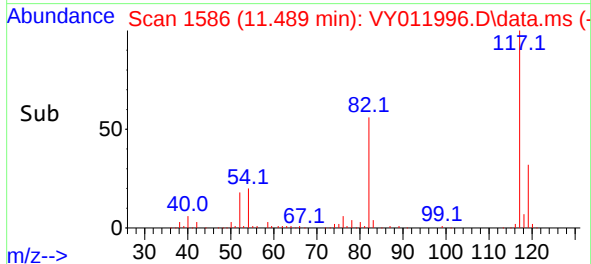
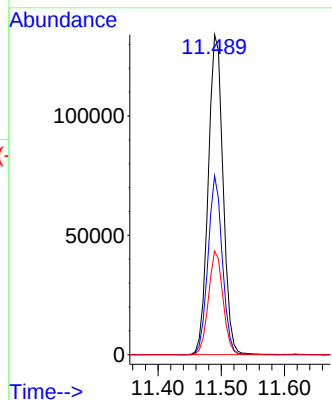
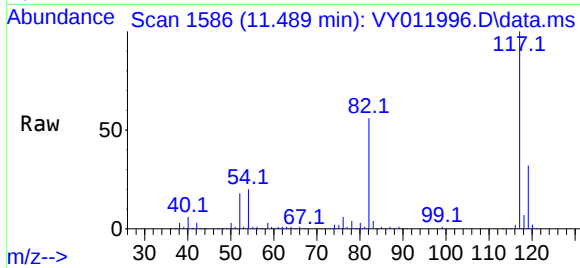




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38

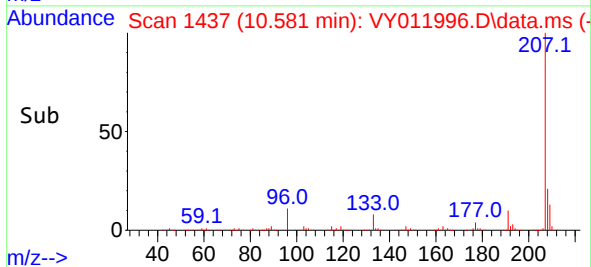
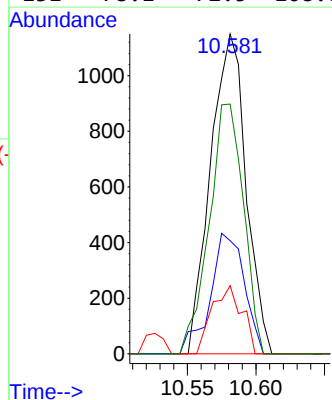
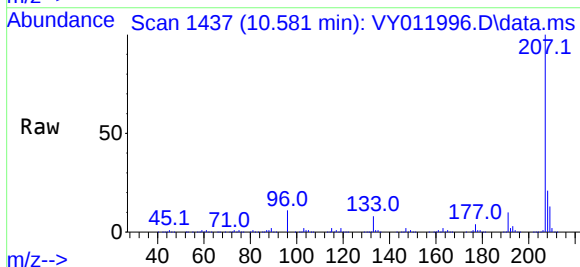
Instrument :
MSVOA_Y
ClientSampleId :

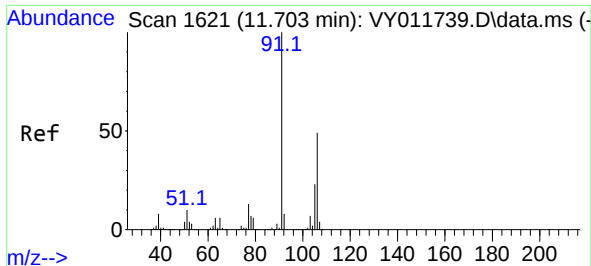
Tgt Ion:117 Resp: 218692
Ion Ratio Lower Upper
117 100
82 55.9 44.8 67.2
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 1.083 ug/l
RT: 10.581 min Scan# 1437
Delta R.T. -0.140 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38

Tgt Ion:164 Resp: 2073
Ion Ratio Lower Upper
164 100
166 35.4 102.3 153.5#
129 21.3 77.2 115.8#
131 78.1 72.5 108.7





#68

m/p-Xylenes

Concen: 1.568 ug/l

RT: 11.703 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY011996.D

Acq: 23 Dec 2022 14:38

Instrument :

MSVOA_Y

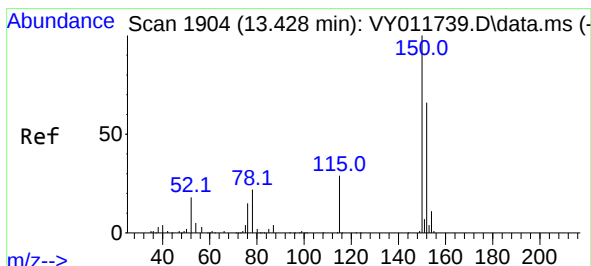
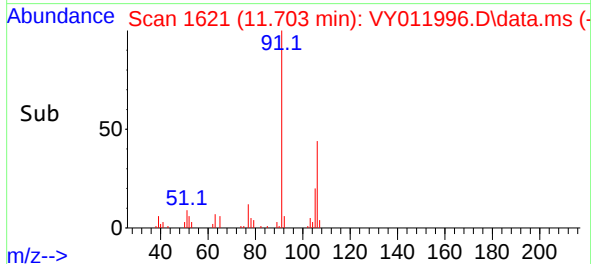
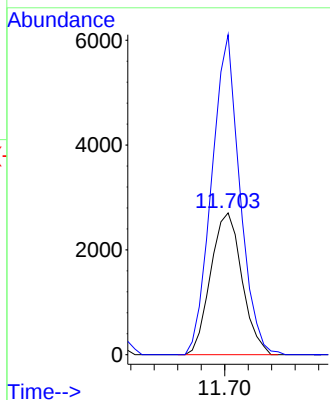
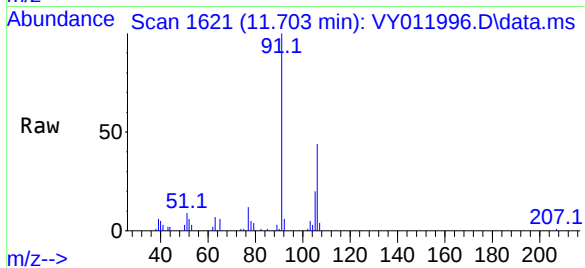
ClientSampleId :

Tgt Ion:106 Resp: 5005

Ion Ratio Lower Upper

106 100

91 203.1 162.5 243.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY011996.D

Acq: 23 Dec 2022 14:38

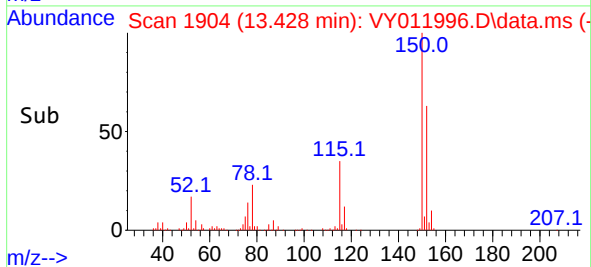
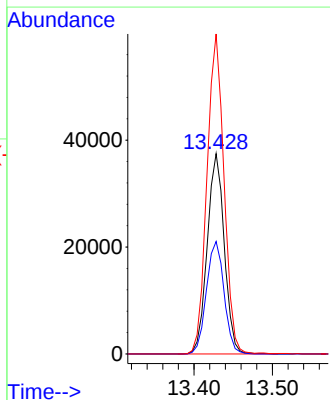
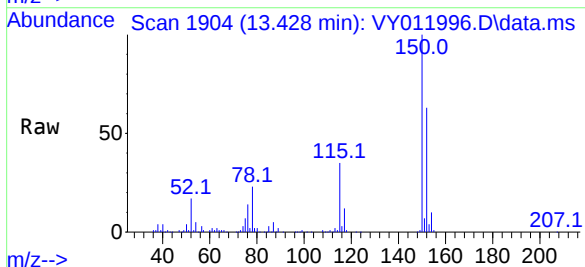
Tgt Ion:152 Resp: 56591

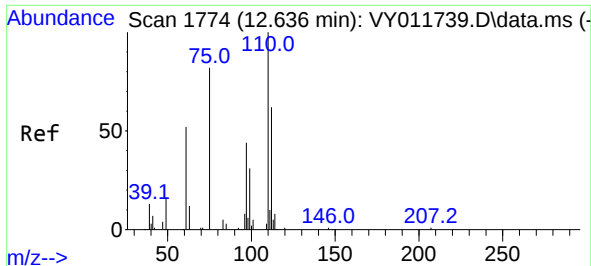
Ion Ratio Lower Upper

152 100

115 58.0 29.1 87.3

150 159.7 0.0 342.6

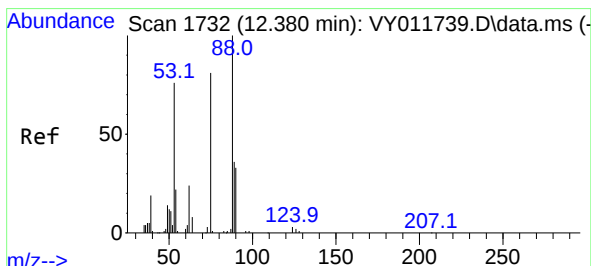
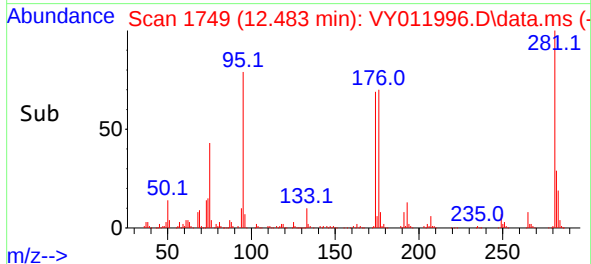
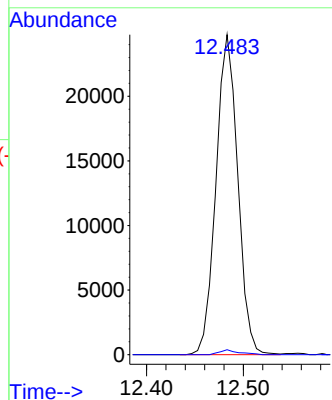
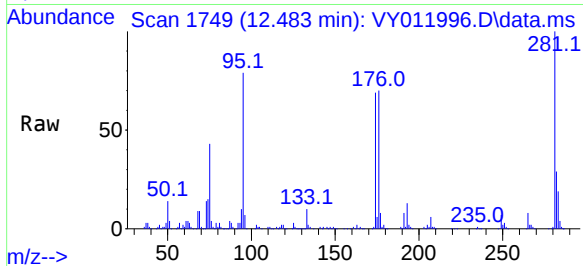




#76
1,2,3-Trichloropropane
Concen: 54.908 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38

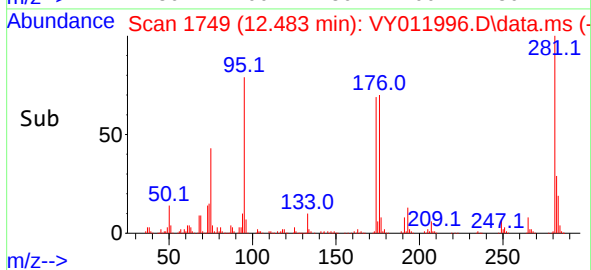
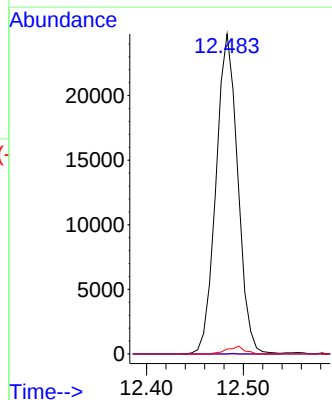
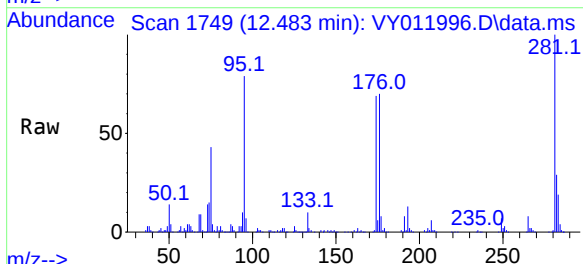
Instrument :
MSVOA_Y
ClientSampleId :

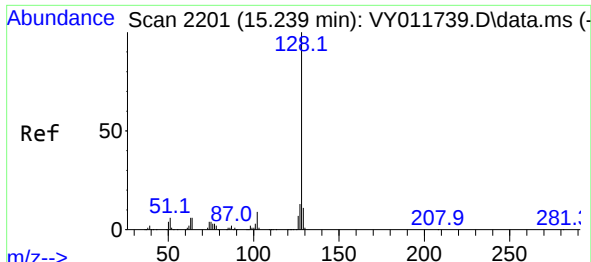
Tgt Ion: 75 Resp: 38665
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 150.365 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38

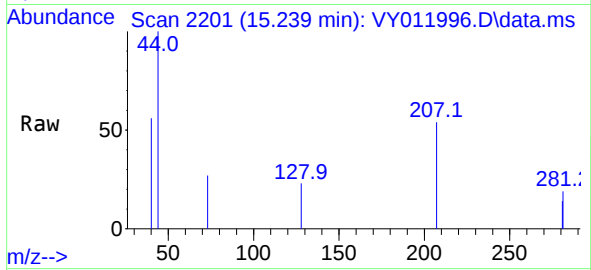
Tgt Ion: 75 Resp: 38665
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 1.9 37.0 55.4#





#95
Naphthalene
Concen: 2.814 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011996.D
Acq: 23 Dec 2022 14:38

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	79
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.8	13.2#

