

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122722\
 Data File : VY012016.D
 Acq On : 27 Dec 2022 14:35
 Operator : KP/MD
 Sample : N6190-03RE
 Misc : 6.80g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 28 00:38:52 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)

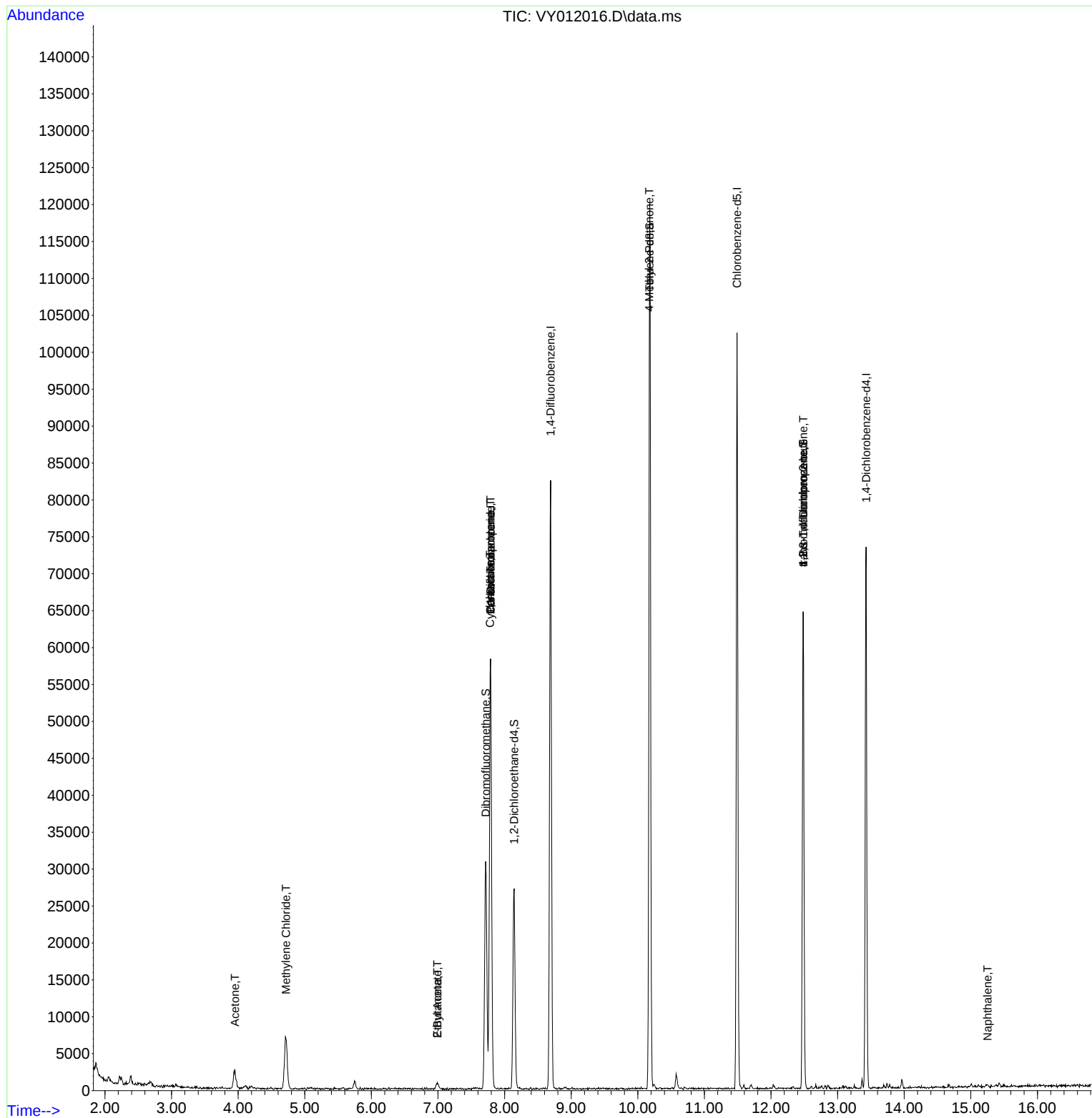
Internal Standards						
1) Pentafluorobenzene	7.789	168	46615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	72025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	57159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	20303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	22491	47.890	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.780%		
35) Dibromofluoromethane	7.716	113	20806	47.983	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.960%		
50) Toluene-d8	10.179	98	83149	47.264	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.520%		
62) 4-Bromofluorobenzene	12.483	95	19507	32.969	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	65.940%		
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.954	59	45	Below Cal	#	74
16) Acetone	3.954	43	4592	36.986	ug/l #	84
20) Methylene Chloride	4.716	84	5456	4.629	ug/l #	89
25) 2-Butanone	6.990	43	889	5.683	ug/l #	62
31) Cyclohexane	7.783	56	934	1.181	ug/l #	34
36) 1,1-Dichloropropene	7.789	75	3156	4.538	ug/l #	53
37) Ethyl Acetate	6.990	43	889	2.849	ug/l #	68
38) Carbon Tetrachloride	7.789	117	4416	5.497	ug/l #	19
51) 4-Methyl-2-Pentanone	10.172	43	307	1.010	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	9939	39.341	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	9939	107.735	ug/l #	13
95) Naphthalene	15.251	128	486	3.392	ug/l #	69

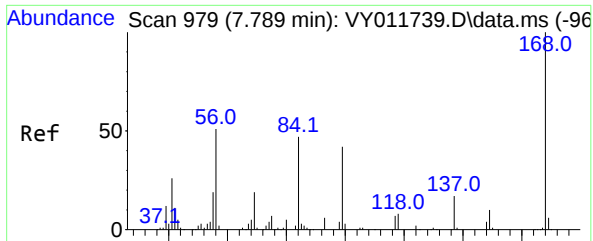
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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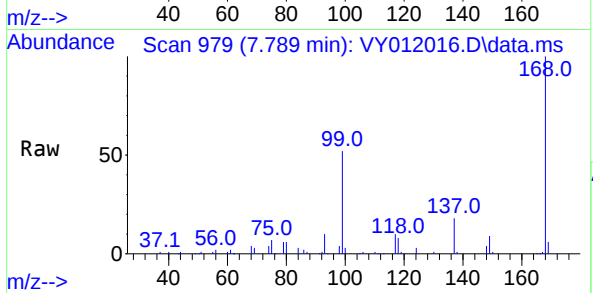
Quant Time: Dec 28 00:38:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
Response via : Initial Calibration



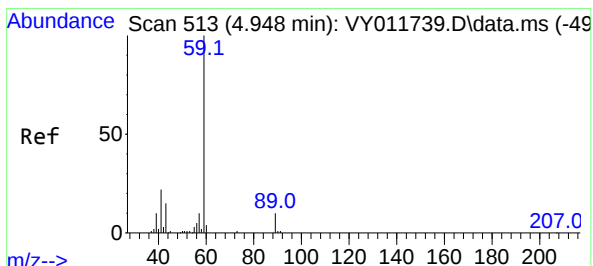
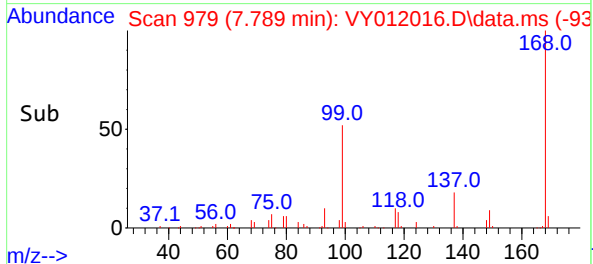
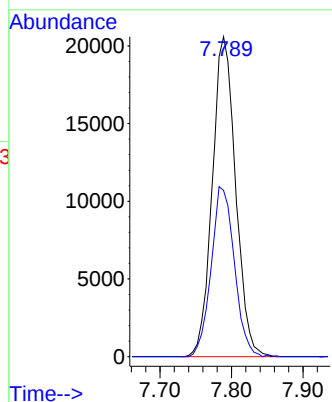


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

Instrument :
MSVOA_Y
ClientSampleId :

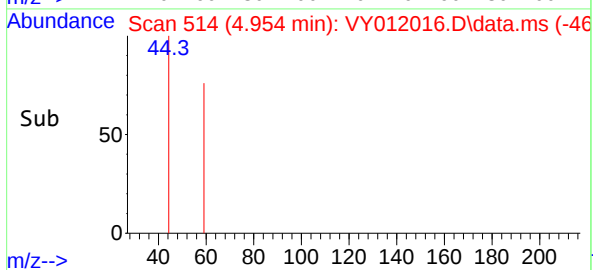
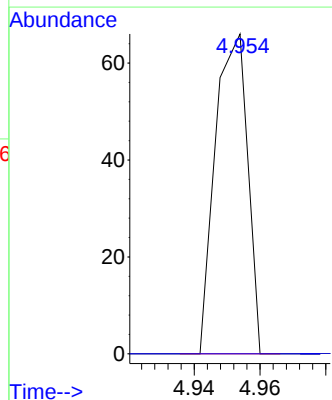
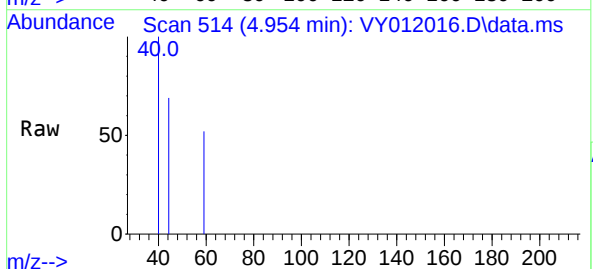


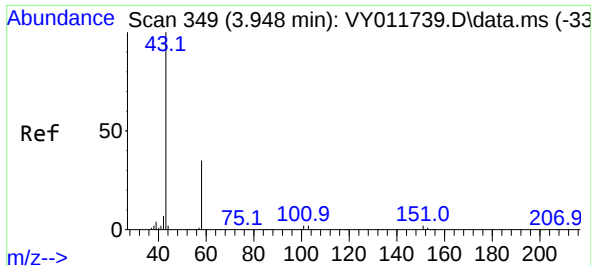
Tgt Ion:168 Resp: 46615
Ion Ratio Lower Upper
168 100
99 51.9 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

Tgt Ion: 59 Resp: 45
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

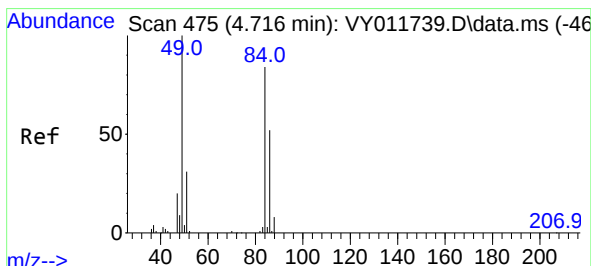
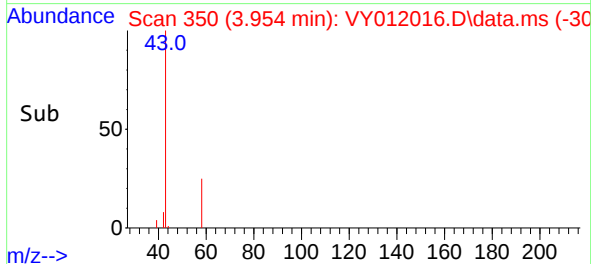
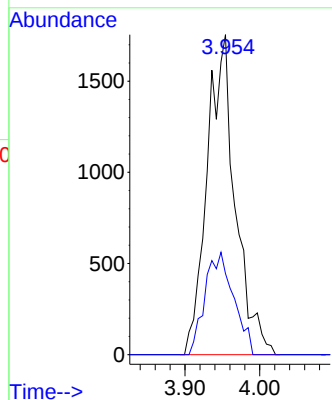
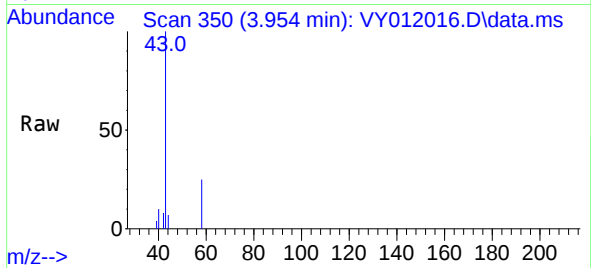




#16
Acetone
Concen: 36.986 ug/l
RT: 3.954 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

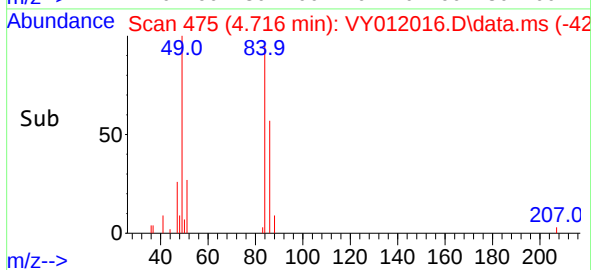
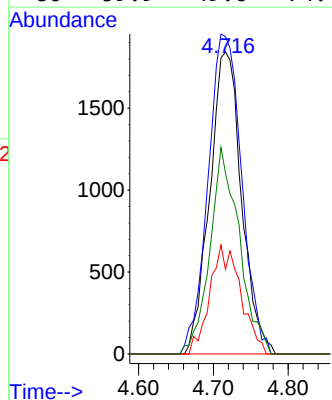
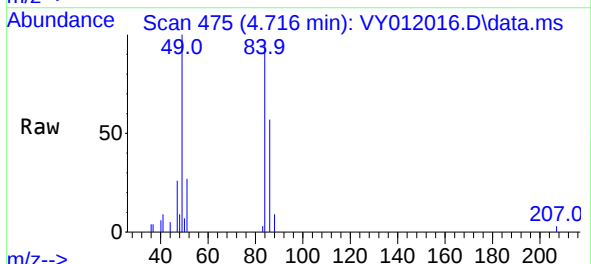
Instrument :
MSVOA_Y
ClientSampleId :

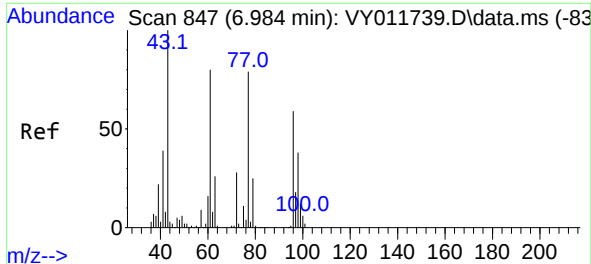
Tgt Ion: 43 Resp: 4592
Ion Ratio Lower Upper
43 100
58 25.4 27.9 41.9#



#20
Methylene Chloride
Concen: 4.629 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

Tgt Ion: 84 Resp: 5456
Ion Ratio Lower Upper
84 100
49 105.0 95.4 143.2
51 27.9 29.9 44.9#
86 59.9 49.6 74.4

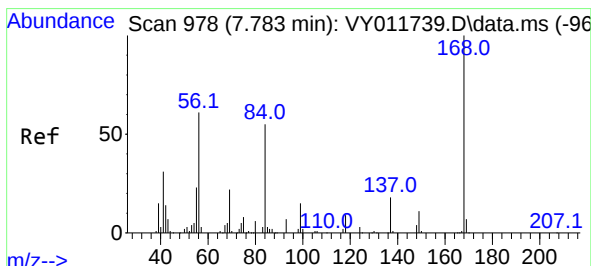
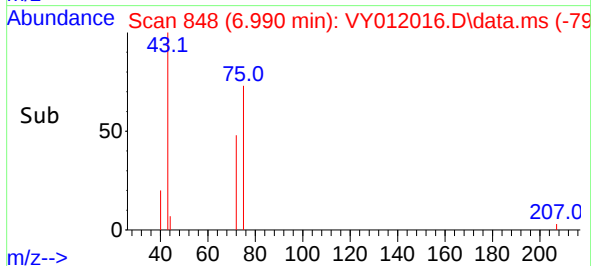
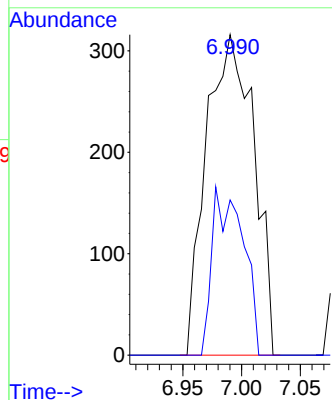
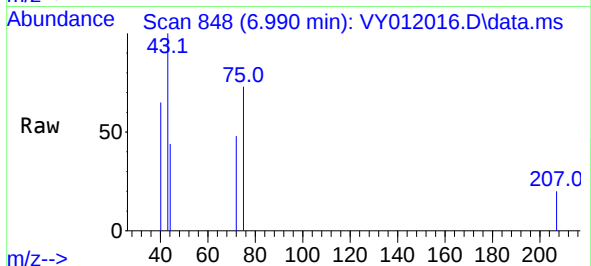




#25
2-Butanone
Concen: 5.683 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

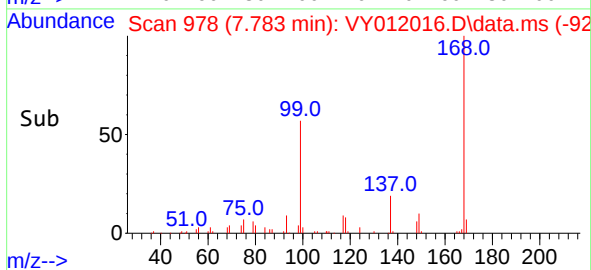
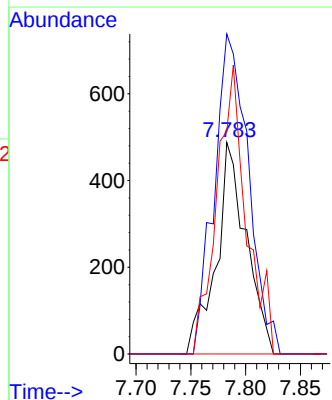
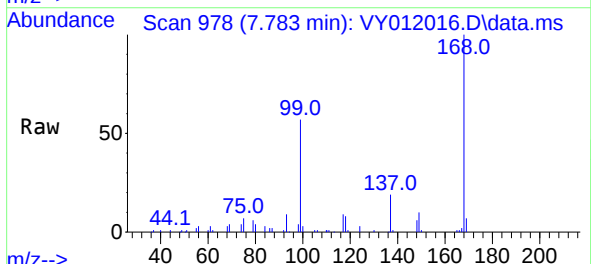
Instrument :
MSVOA_Y
ClientSampleId :

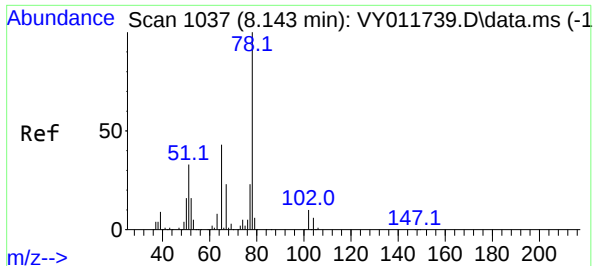
Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
72 48.4 22.6 34.0#



#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

Tgt Ion: 56 Resp: 934
Ion Ratio Lower Upper
56 100
69 151.2 29.2 43.8#
84 105.1 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 47.890 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY012016.D

Acq: 27 Dec 2022 14:35

Instrument :

MSVOA_Y

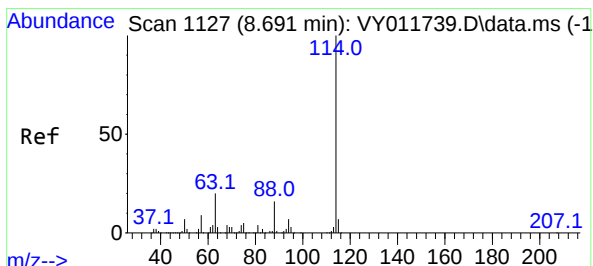
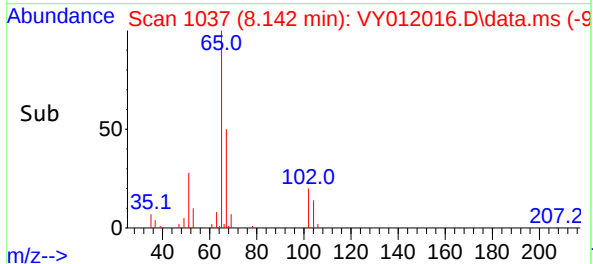
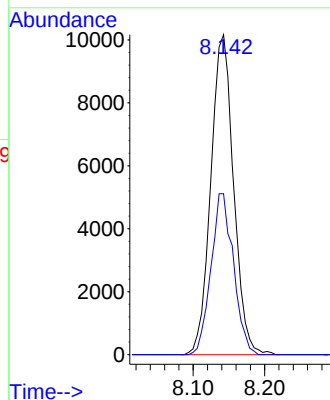
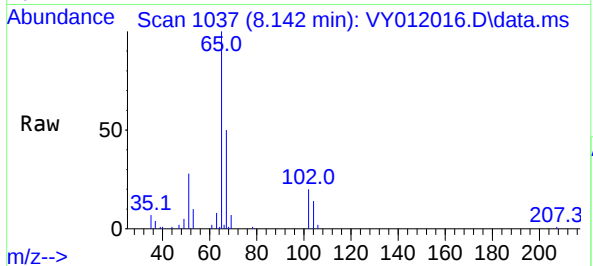
ClientSampleId :

Tgt Ion: 65 Resp: 22491

Ion Ratio Lower Upper

65 100

67 49.6 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: VY012016.D

Acq: 27 Dec 2022 14:35

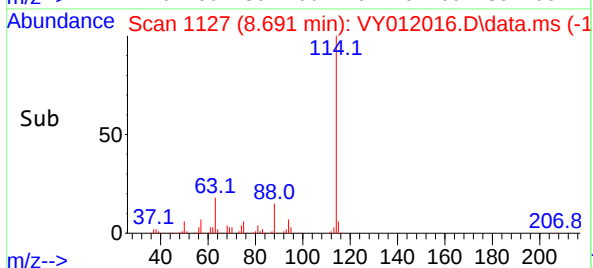
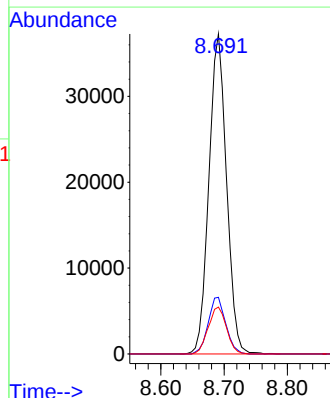
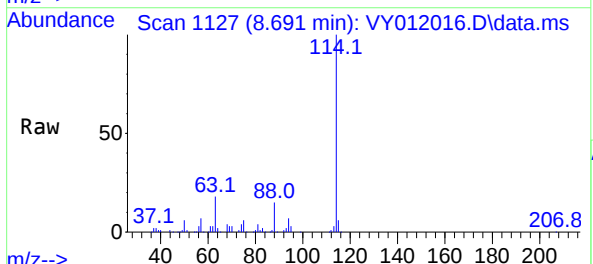
Tgt Ion: 114 Resp: 72025

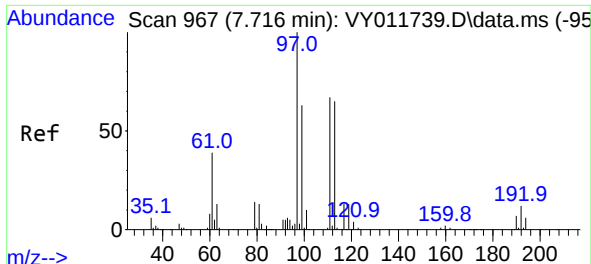
Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.6

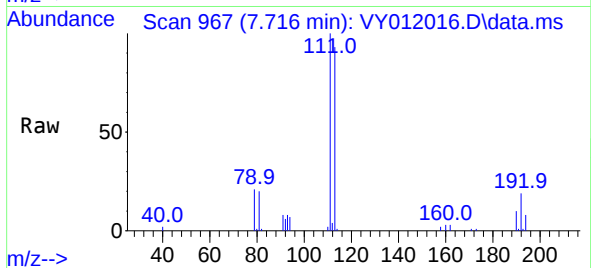
88 14.6 0.0 32.2



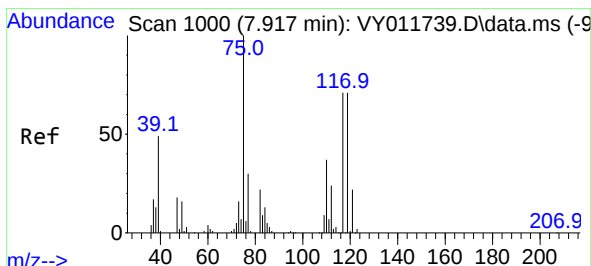
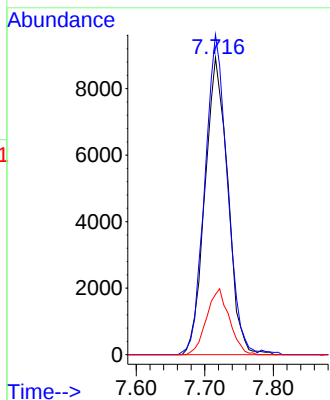
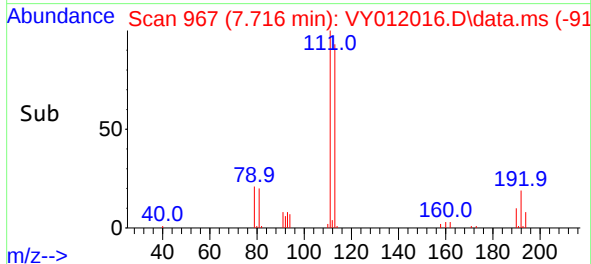


#35
Dibromofluoromethane
Concen: 47.983 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

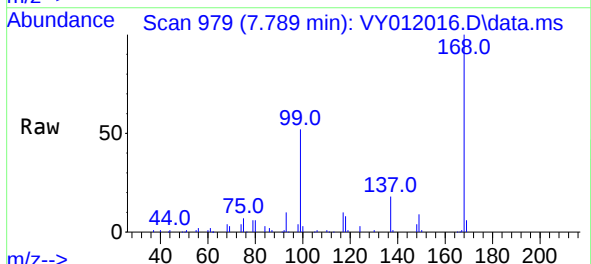
Instrument :
MSVOA_Y
ClientSampleId :



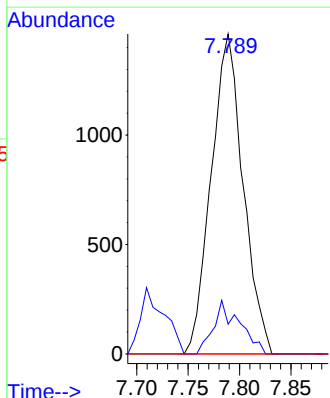
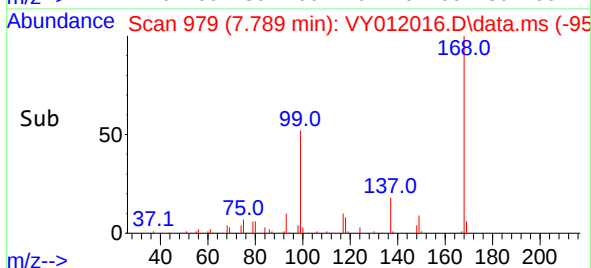
Tgt Ion:113 Resp: 20806
Ion Ratio Lower Upper
113 100
111 105.7 83.0 124.4
192 21.9 16.0 24.0

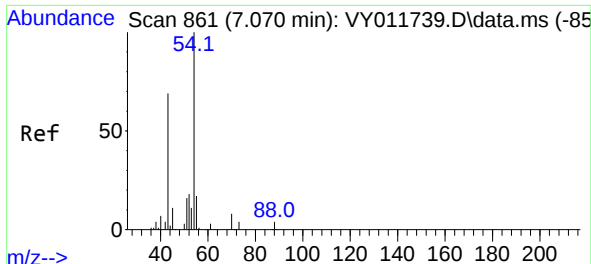


#36
1,1-Dichloropropene
Concen: 4.538 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35



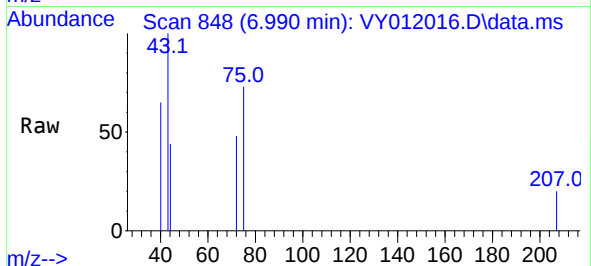
Tgt Ion: 75 Resp: 3156
Ion Ratio Lower Upper
75 100
110 13.7 18.1 54.1#
77 0.0 25.1 37.7#



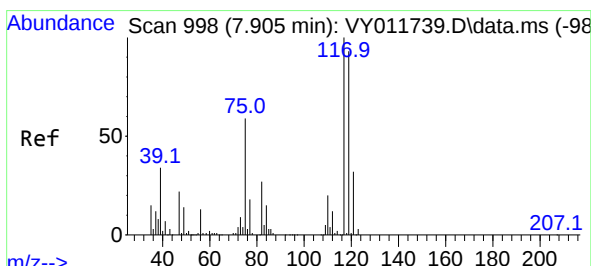
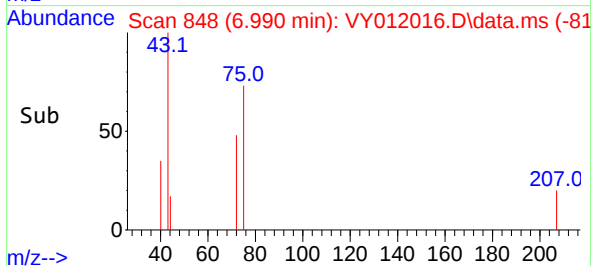
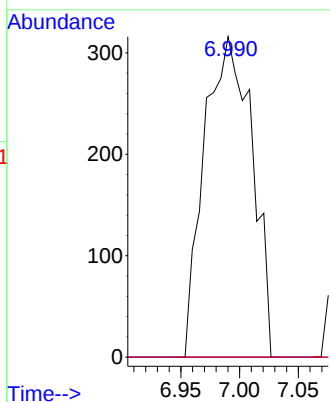


#37
Ethyl Acetate
Concen: 2.849 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.080 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

Instrument :
MSVOA_Y
ClientSampleId :

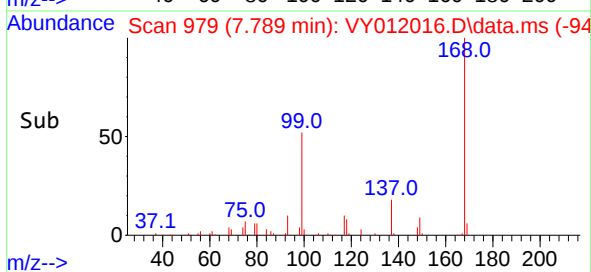
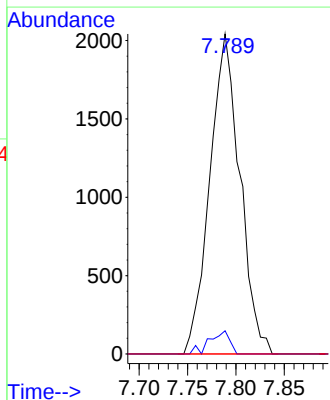
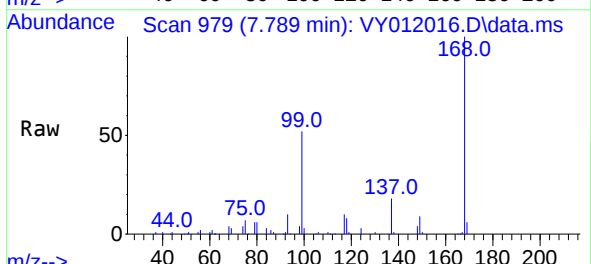


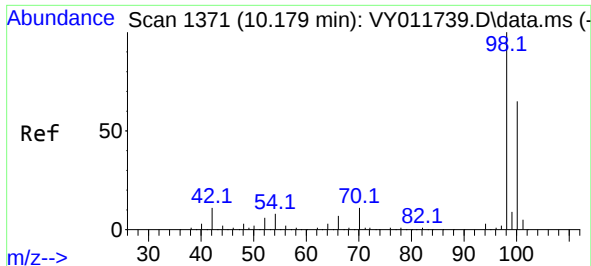
Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.497 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

Tgt Ion: 117 Resp: 4416
Ion Ratio Lower Upper
117 100
119 7.2 73.8 110.8#
121 0.0 25.2 37.8#

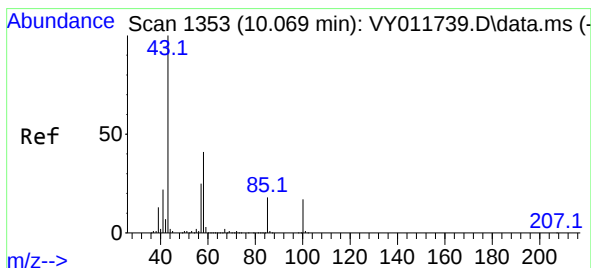
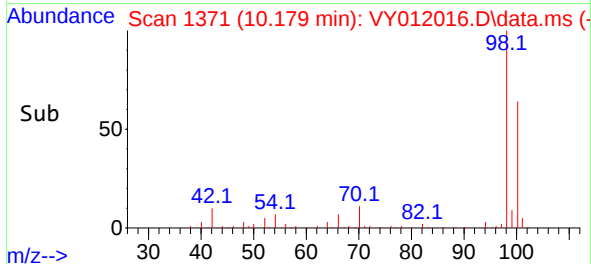
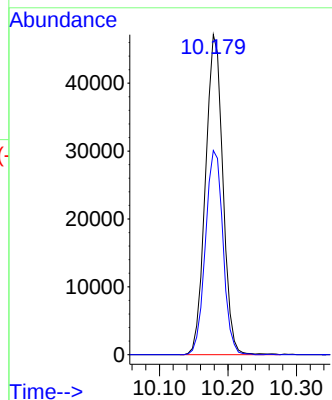
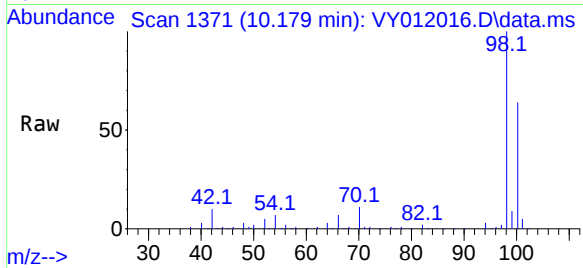




#50
Toluene-d8
Concen: 47.264 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

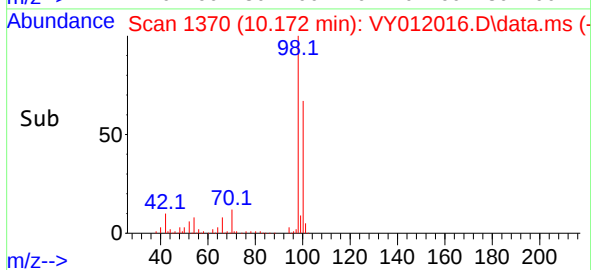
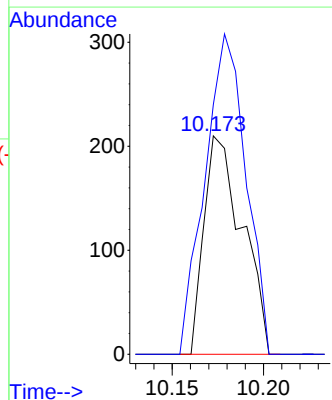
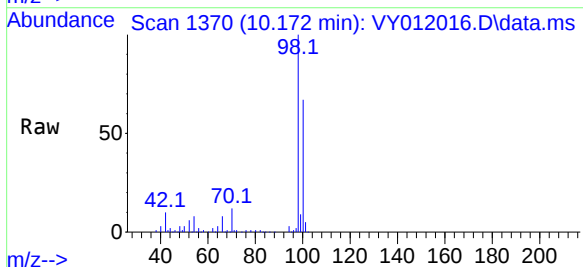
Instrument :
MSVOA_Y
ClientSampleId :

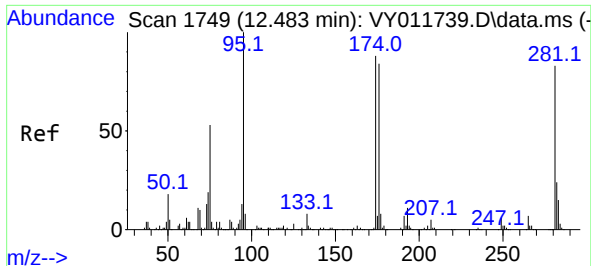
Tgt Ion: 98 Resp: 83149
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.010 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. 0.103 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

Tgt Ion: 43 Resp: 307
Ion Ratio Lower Upper
43 100
58 156.7 32.9 49.3#

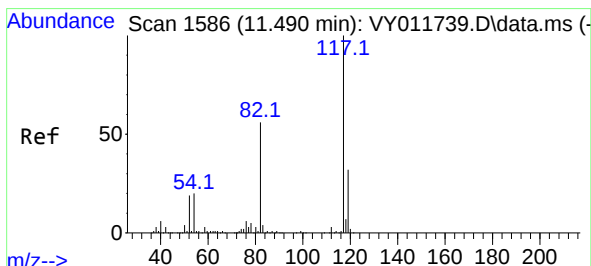
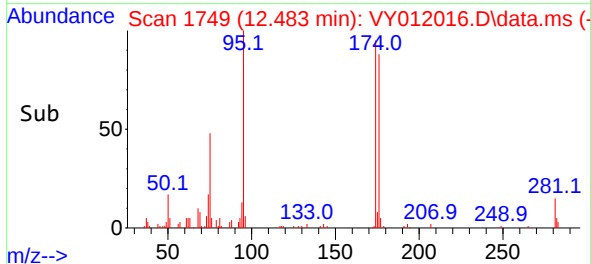
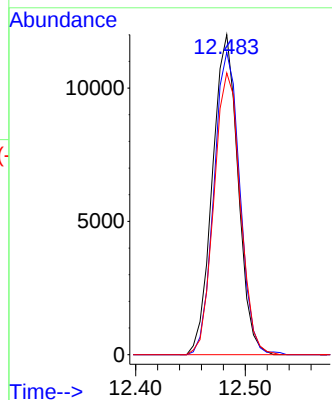
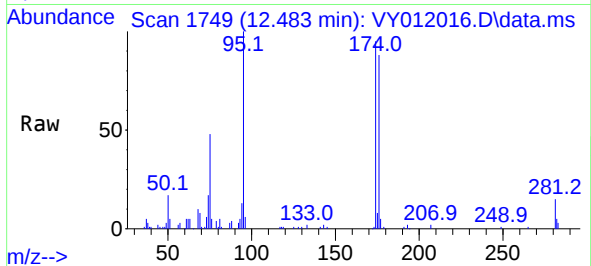




#62
4-Bromofluorobenzene
Concen: 32.969 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

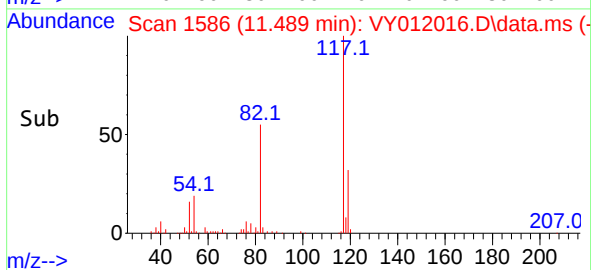
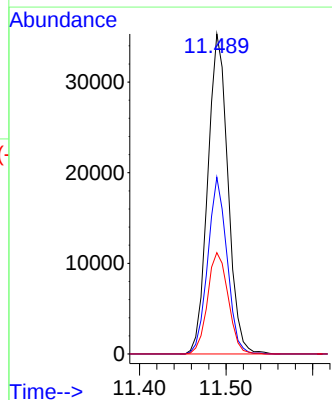
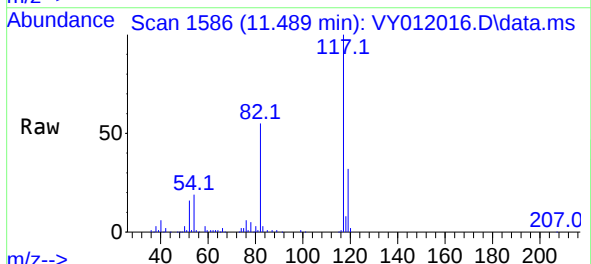
Instrument :
MSVOA_Y
ClientSampleId :

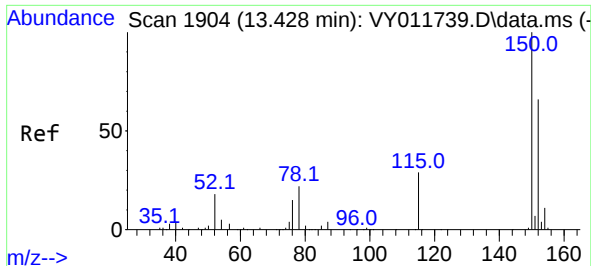
Tgt Ion: 95 Resp: 19507
Ion Ratio Lower Upper
95 100
174 95.3 0.0 172.0
176 90.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

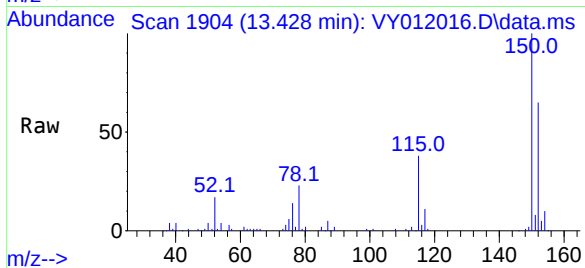
Tgt Ion:117 Resp: 57159
Ion Ratio Lower Upper
117 100
82 55.2 44.8 67.2
119 31.6 25.4 38.2



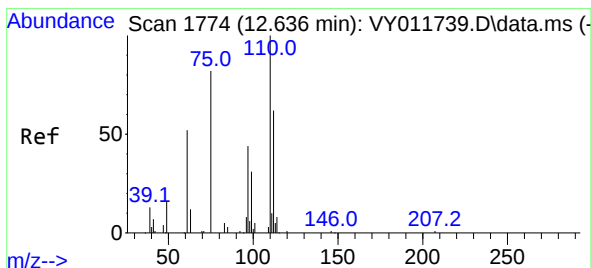
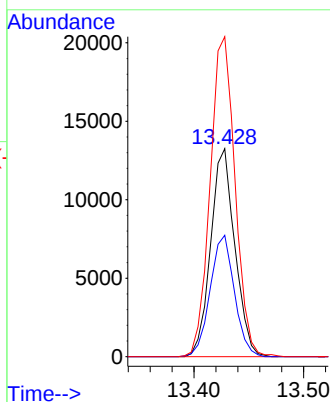
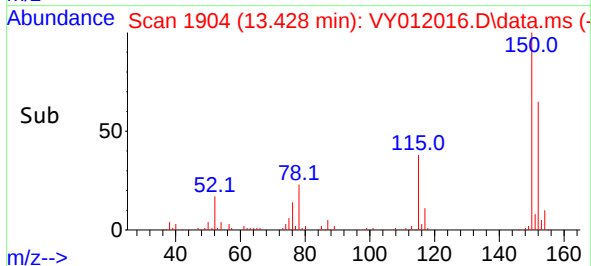


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY012016.D
 Acq: 27 Dec 2022 14:35

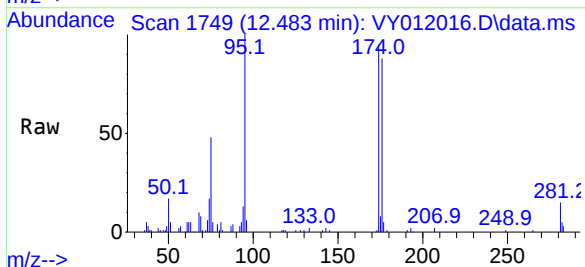
Instrument :
 MSVOA_Y
 ClientSampleId :



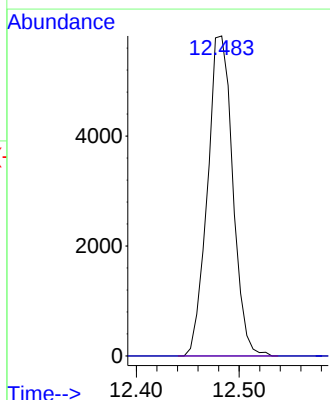
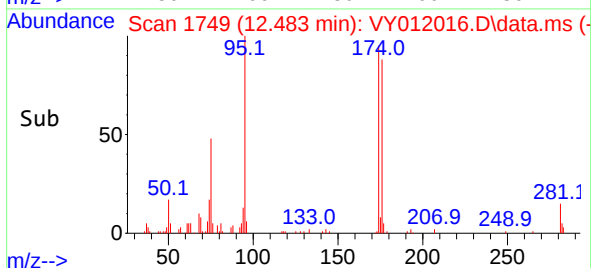
Tgt Ion:152 Resp: 20303
 Ion Ratio Lower Upper
 152 100
 115 58.6 29.1 87.3
 150 158.6 0.0 342.6

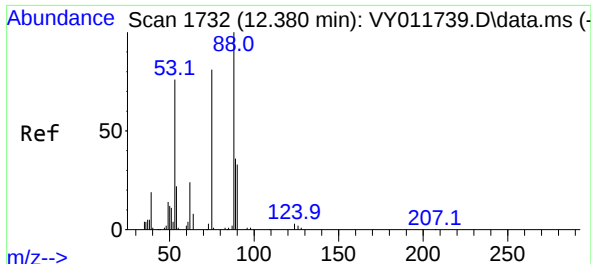


#76
 1,2,3-Trichloropropane
 Concen: 39.341 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY012016.D
 Acq: 27 Dec 2022 14:35



Tgt Ion: 75 Resp: 9939
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

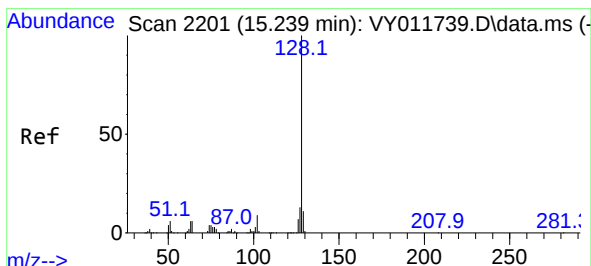
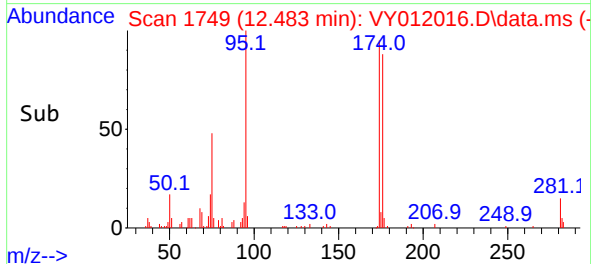
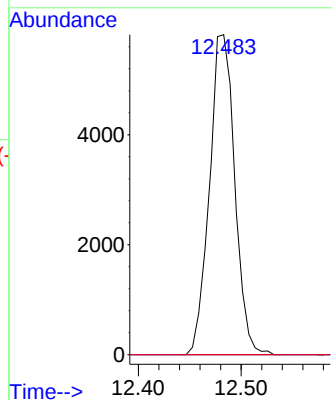
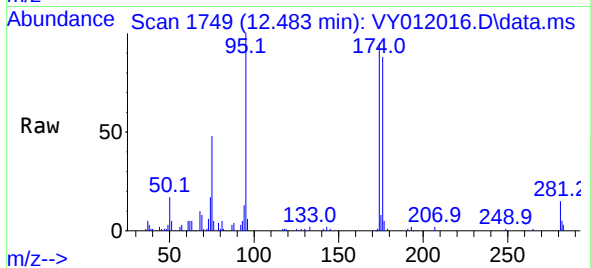




#81
trans-1,4-Dichloro-2-butene
Concen: 107.735 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 9939
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 3.392 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.012 min
Lab File: VY012016.D
Acq: 27 Dec 2022 14:35

Tgt Ion:128 Resp: 486
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

