

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013123\
 Data File : VY012421.D
 Acq On : 31 Jan 2023 15:35
 Operator : KP/MD
 Sample : 01358-04RE
 Misc : 7.57g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DR-2-012723RE

Quant Time: Feb 01 01:25:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

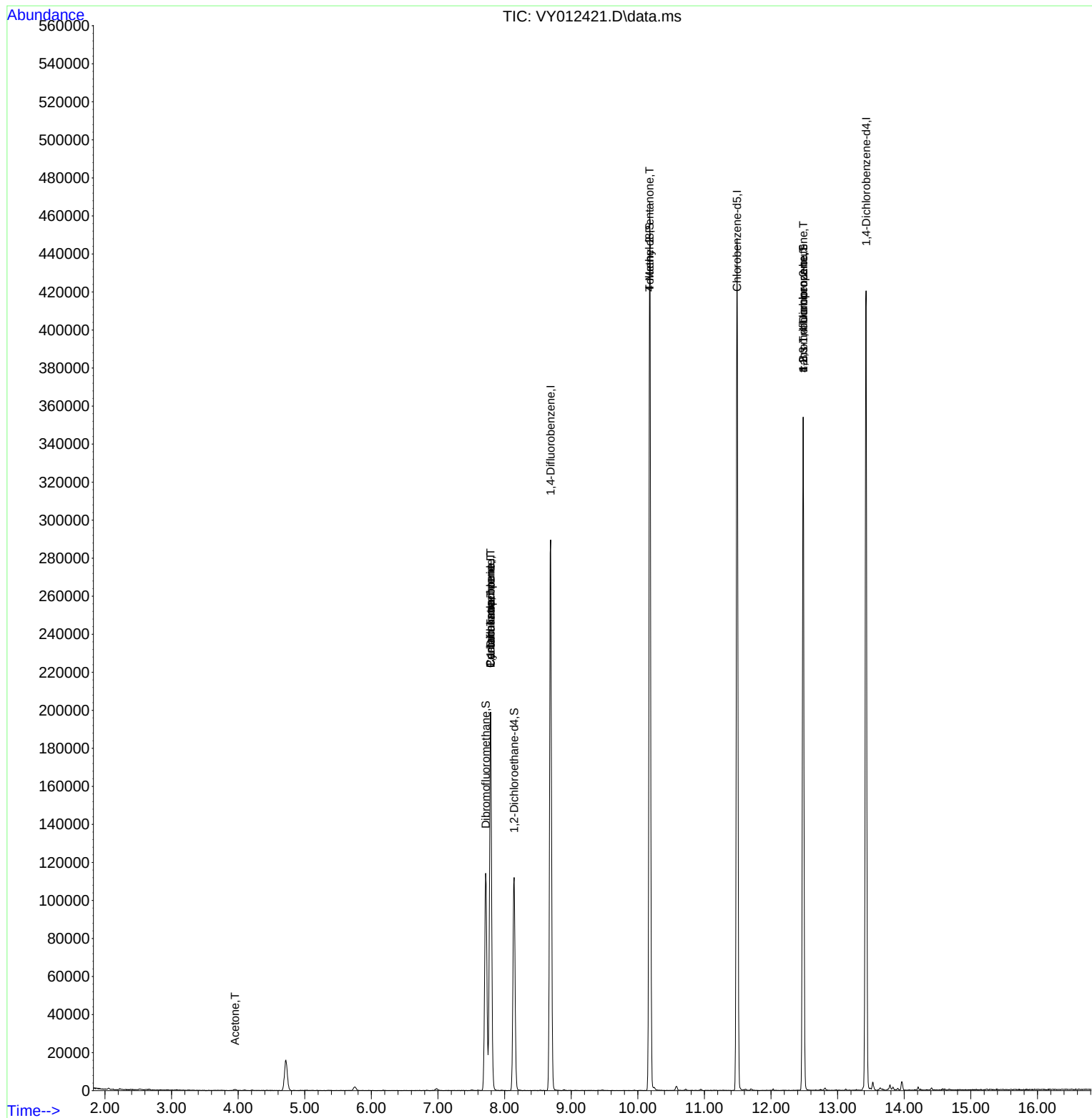
Internal Standards						
1) Pentafluorobenzene	7.789	168	155094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	258645	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	94649	75.642	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 151.280%	
35) Dibromofluoromethane	7.716	113	76898	56.149	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.300%	
50) Toluene-d8	10.179	98	312292	67.313	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 134.620%	
62) 4-Bromofluorobenzene	12.483	95	101463	52.555	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.100%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	97	Below Cal	#	74
16) Acetone	3.954	43	932	2.158	ug/l	89
20) Methylene Chloride	4.716	84	13078	Below Cal		90
31) Cyclohexane	7.789	56	2638	1.167	ug/l	# 3
36) 1,1-Dichloropropene	7.789	75	10367	4.454	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	14580	4.850	ug/l	# 17
51) 4-Methyl-2-Pentanone	10.179	43	1142	1.122	ug/l	# 1
76) 1,2,3-Trichloropropane	12.483	75	54612	50.691	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	54612	104.445	ug/l	# 13

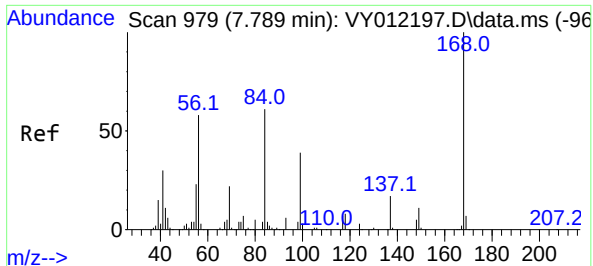
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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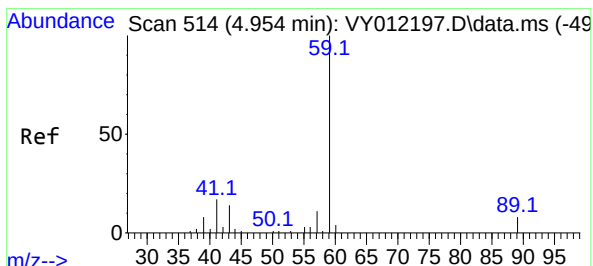
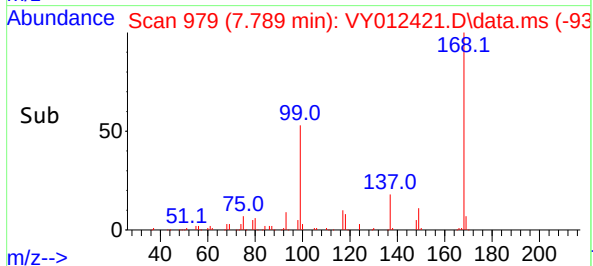
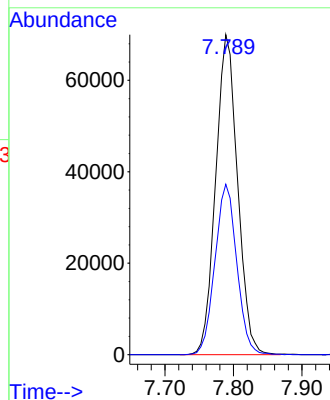
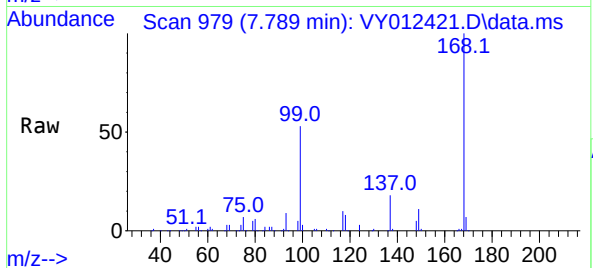




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012421.D
Acq: 31 Jan 2023 15:35

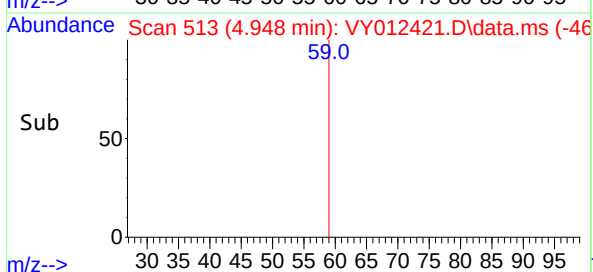
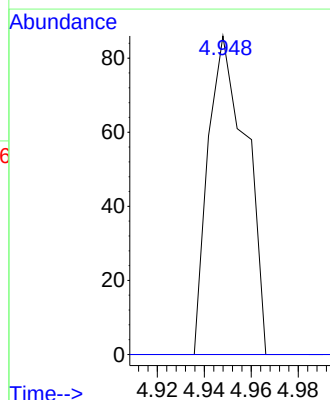
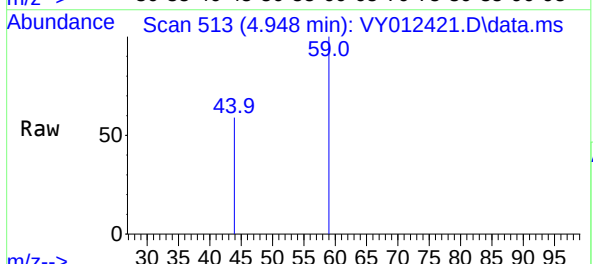
Instrument :
MSVOA_Y
ClientSampleId :
DR-2-012723RE

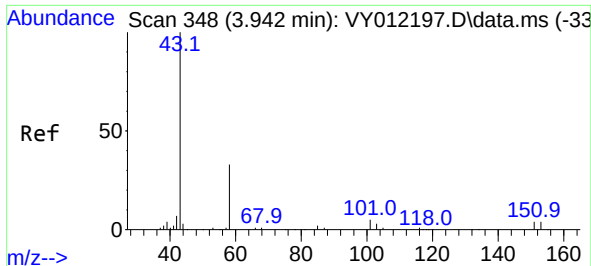
Tgt Ion:168 Resp: 155094
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY012421.D
Acq: 31 Jan 2023 15:35

Tgt Ion: 59 Resp: 97
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

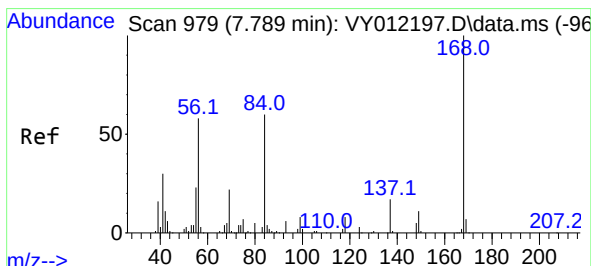
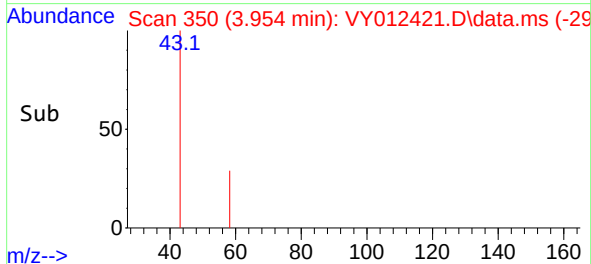
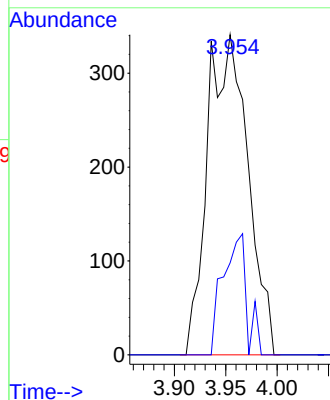
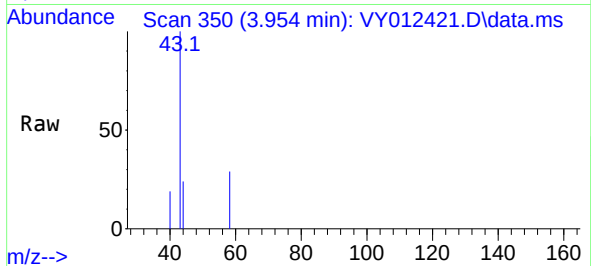




#16
Acetone
Concen: 2.158 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012421.D
Acq: 31 Jan 2023 15:35

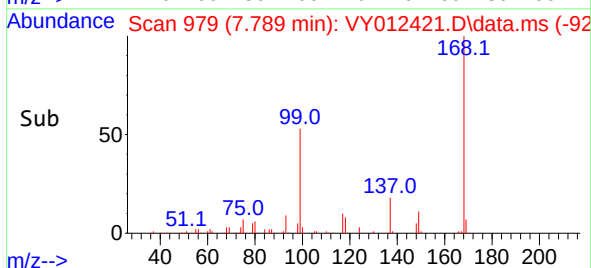
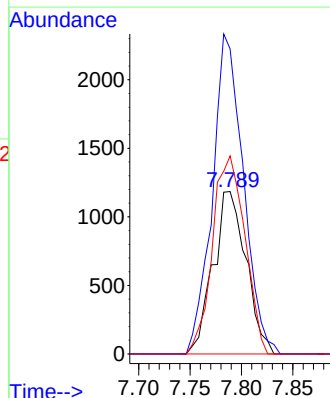
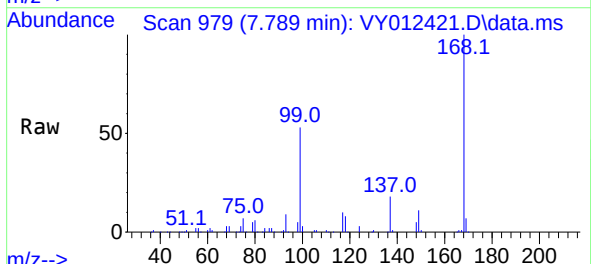
Instrument :
MSVOA_Y
ClientSampleId :
DR-2-012723RE

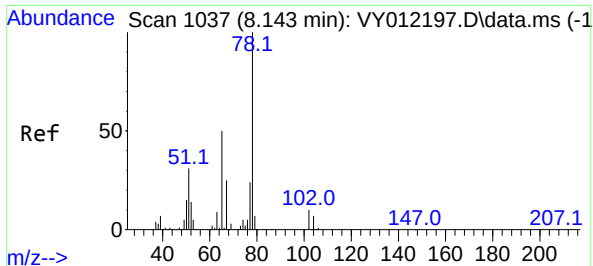
Tgt Ion: 43 Resp: 932
Ion Ratio Lower Upper
43 100
58 28.7 27.9 41.9



#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012421.D
Acq: 31 Jan 2023 15:35

Tgt Ion: 56 Resp: 2638
Ion Ratio Lower Upper
56 100
69 187.7 29.2 43.8#
84 121.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 75.642 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012421.D

Acq: 31 Jan 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

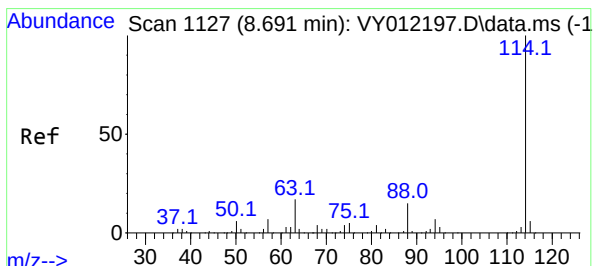
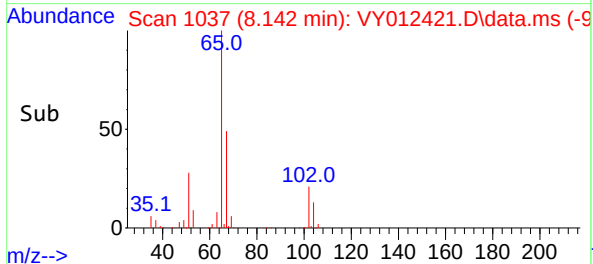
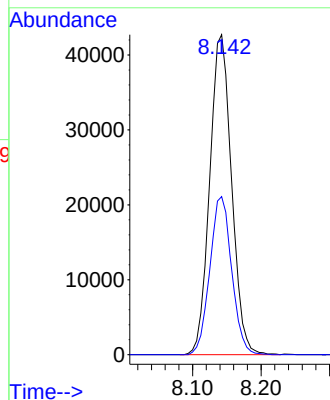
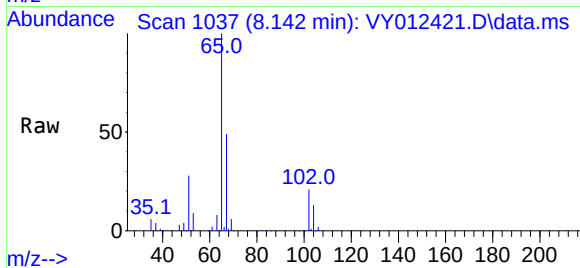
DR-2-012723RE

Tgt Ion: 65 Resp: 94649

Ion Ratio Lower Upper

65 100

67 49.4 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: VY012421.D

Acq: 31 Jan 2023 15:35

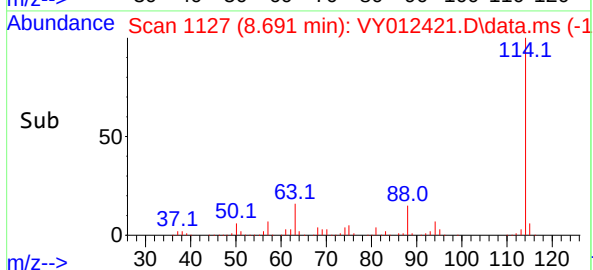
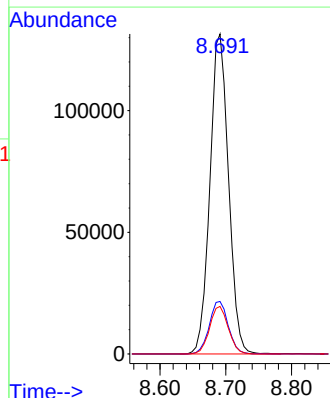
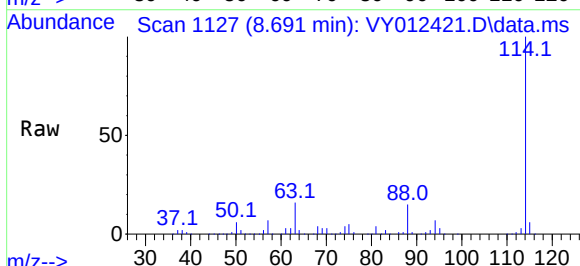
Tgt Ion: 114 Resp: 258645

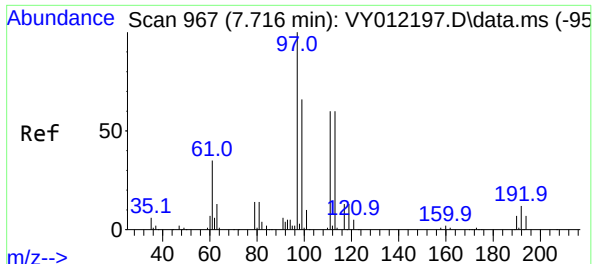
Ion Ratio Lower Upper

114 100

63 16.4 0.0 39.6

88 14.8 0.0 32.2

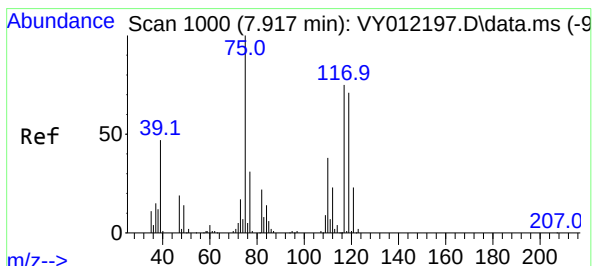
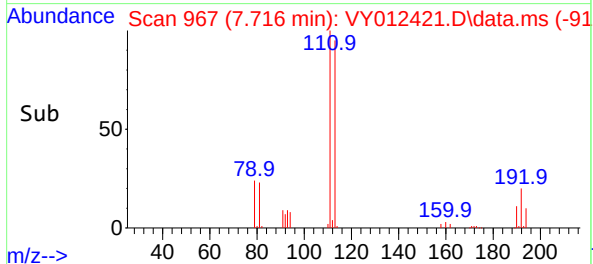
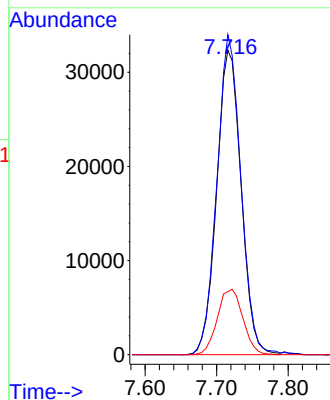
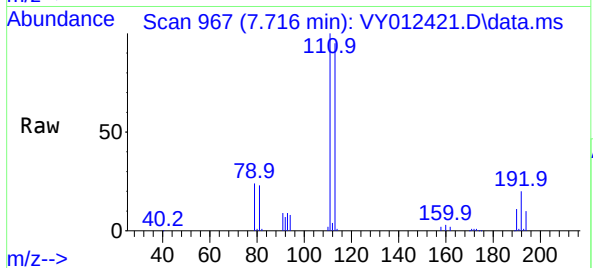




#35
Dibromofluoromethane
Concen: 56.149 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY012421.D
Acq: 31 Jan 2023 15:35

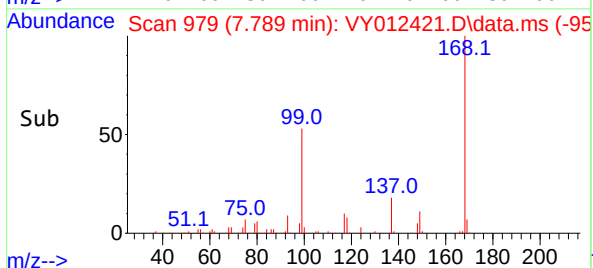
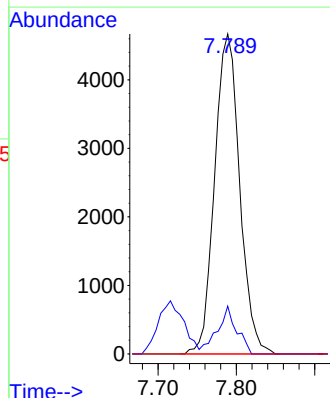
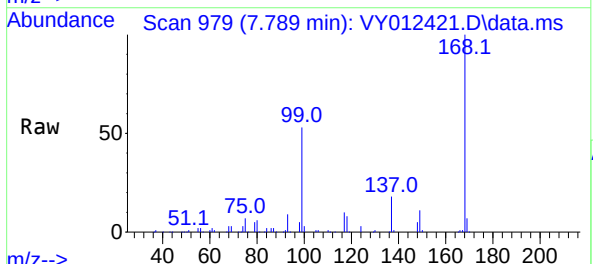
Instrument :
MSVOA_Y
ClientSampleId :
DR-2-012723RE

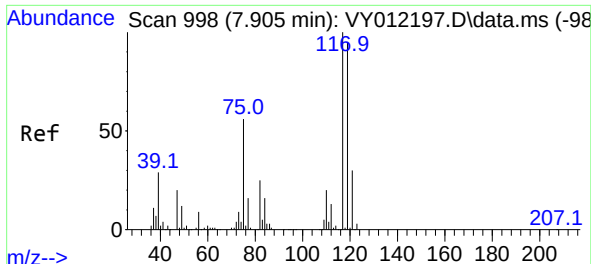
Tgt Ion:	113	Resp:	76898
Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.0	124.4
192	22.4	16.0	24.0



#36
1,1-Dichloropropene
Concen: 4.454 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012421.D
Acq: 31 Jan 2023 15:35

Tgt Ion:	75	Resp:	10367
Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.1	54.1#
77	0.0	25.1	37.7#

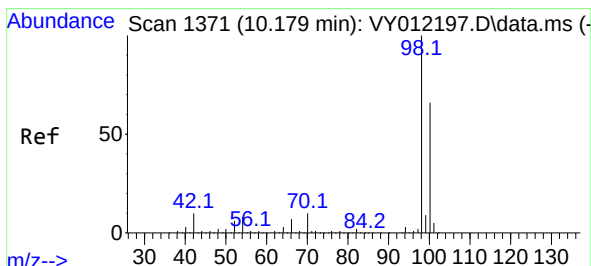
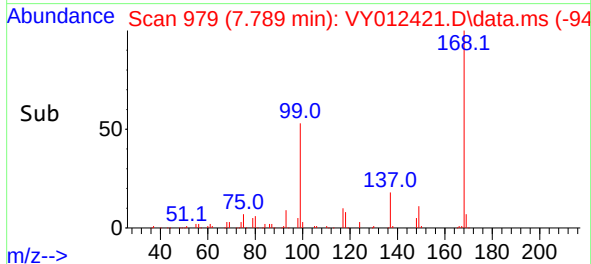
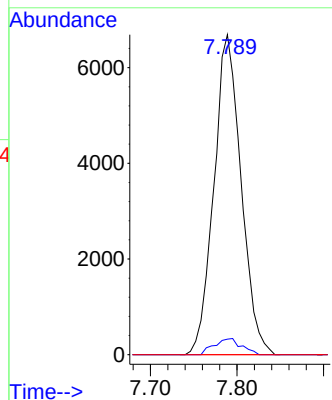
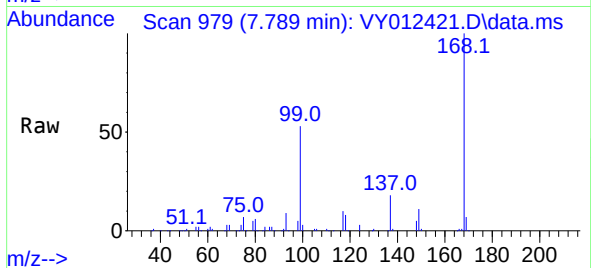




#38
Carbon Tetrachloride
Concen: 4.850 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012421.D
Acq: 31 Jan 2023 15:35

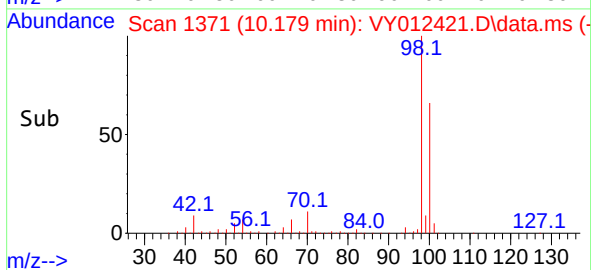
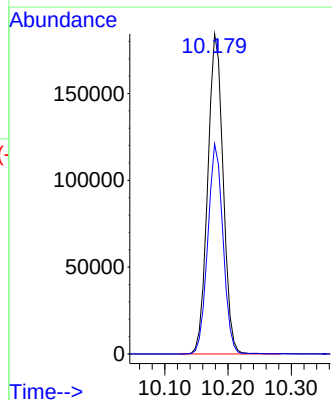
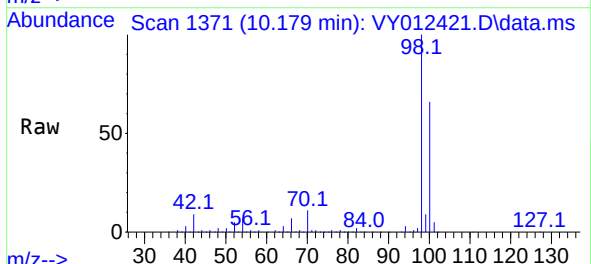
Instrument :
MSVOA_Y
ClientSampleId :
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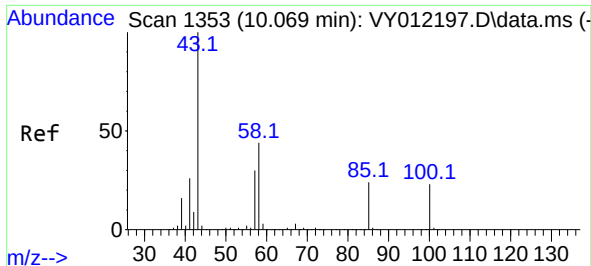
Tgt Ion:117 Resp: 14580
Ion Ratio Lower Upper
117 100
119 4.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 67.313 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012421.D
Acq: 31 Jan 2023 15:35

Tgt Ion: 98 Resp: 312292
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 1.122 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY012421.D

Acq: 31 Jan 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

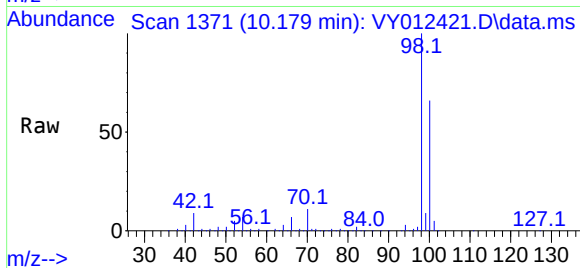
DR-2-012723RE

Tgt Ion: 43 Resp: 1142

Ion Ratio Lower Upper

43 100

58 193.4 32.9 49.3#

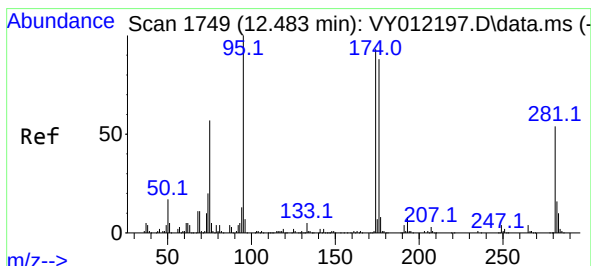
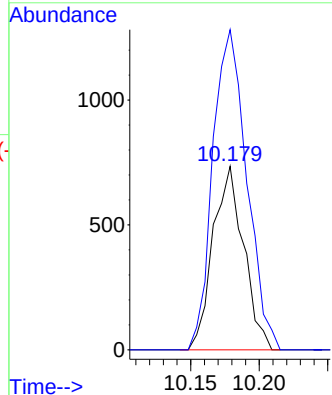
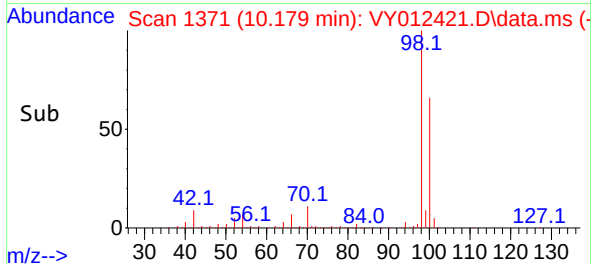


Abundance

1000

500

Time-->



#62

4-Bromofluorobenzene

Concen: 52.555 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012421.D

Acq: 31 Jan 2023 15:35

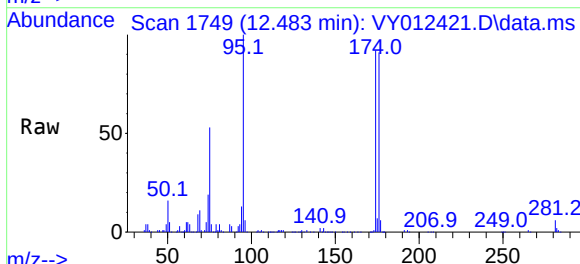
Tgt Ion: 95 Resp: 101463

Ion Ratio Lower Upper

95 100

174 95.4 0.0 172.0

176 92.5 0.0 167.6



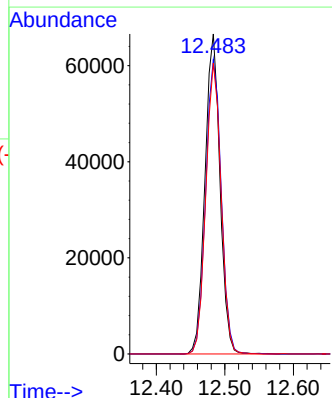
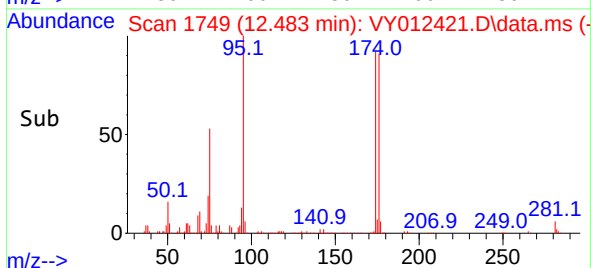
Abundance

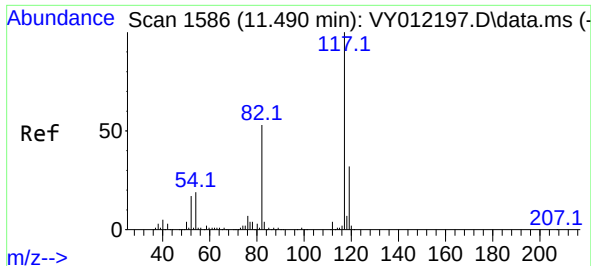
60000

40000

20000

Time-->

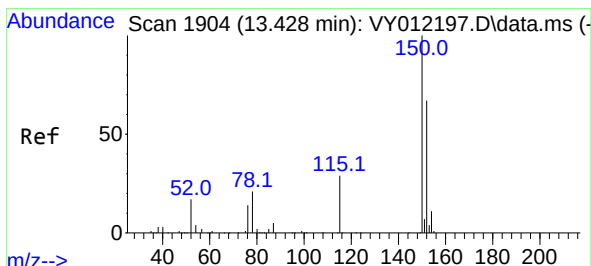
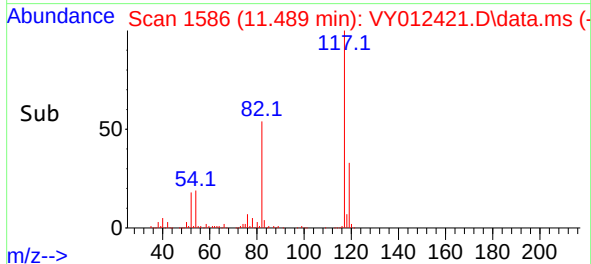
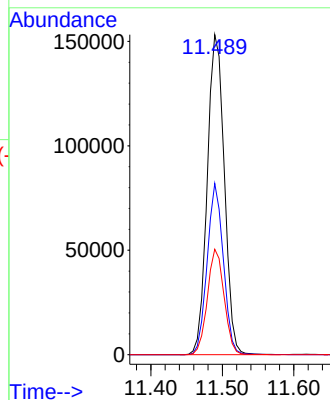
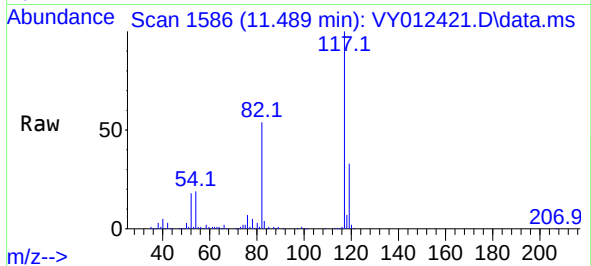




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012421.D
Acq: 31 Jan 2023 15:35

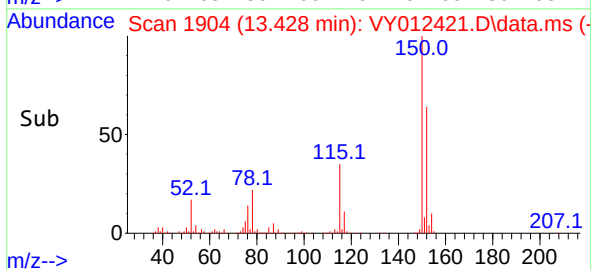
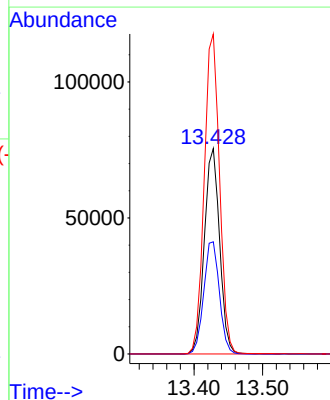
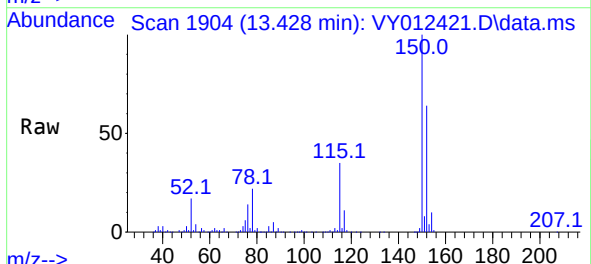
Instrument :
MSVOA_Y
ClientSampleId :
DR-2-012723RE

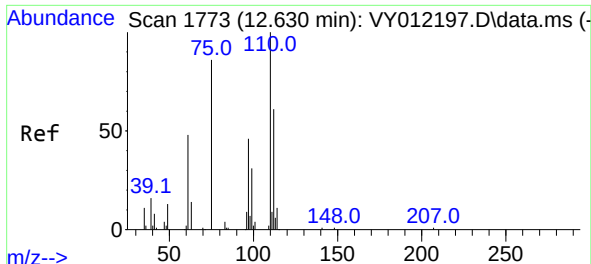
Tgt Ion:117 Resp: 254188
Ion Ratio Lower Upper
117 100
82 53.5 44.8 67.2
119 33.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012421.D
Acq: 31 Jan 2023 15:35

Tgt Ion:152 Resp: 117163
Ion Ratio Lower Upper
152 100
115 55.9 29.1 87.3
150 156.4 0.0 342.6

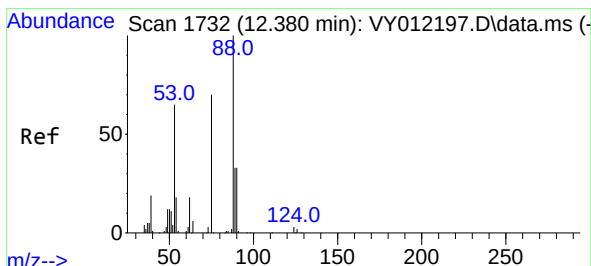
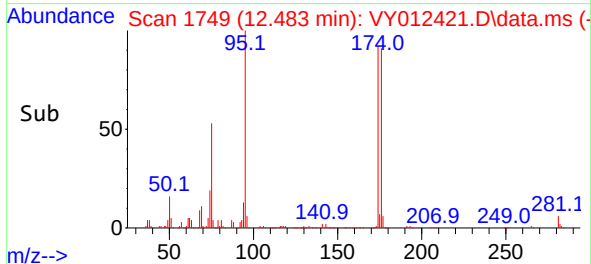
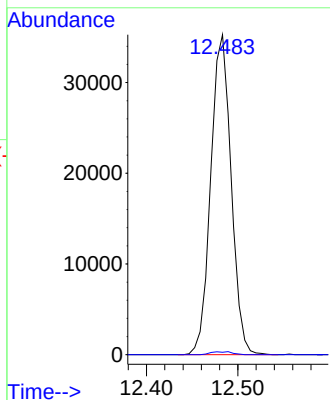
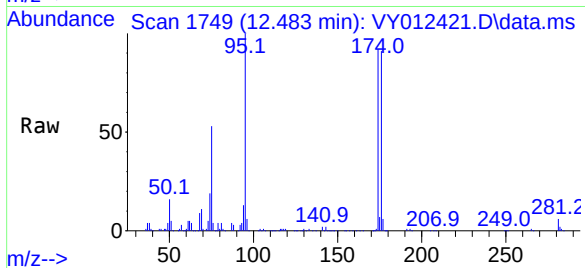




#76
1,2,3-Trichloropropane
Concen: 50.691 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012421.D
Acq: 31 Jan 2023 15:35

Instrument :
MSVOA_Y
ClientSampleId :
DR-2-012723RE

Tgt Ion: 75 Resp: 54612
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.445 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012421.D
Acq: 31 Jan 2023 15:35

Tgt Ion: 75 Resp: 54612
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#

