

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012325\
 Data File : VY020915.D
 Acq On : 23 Jan 2025 17:04
 Operator : SY/MD
 Sample : Q1169-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 24 00:19:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

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

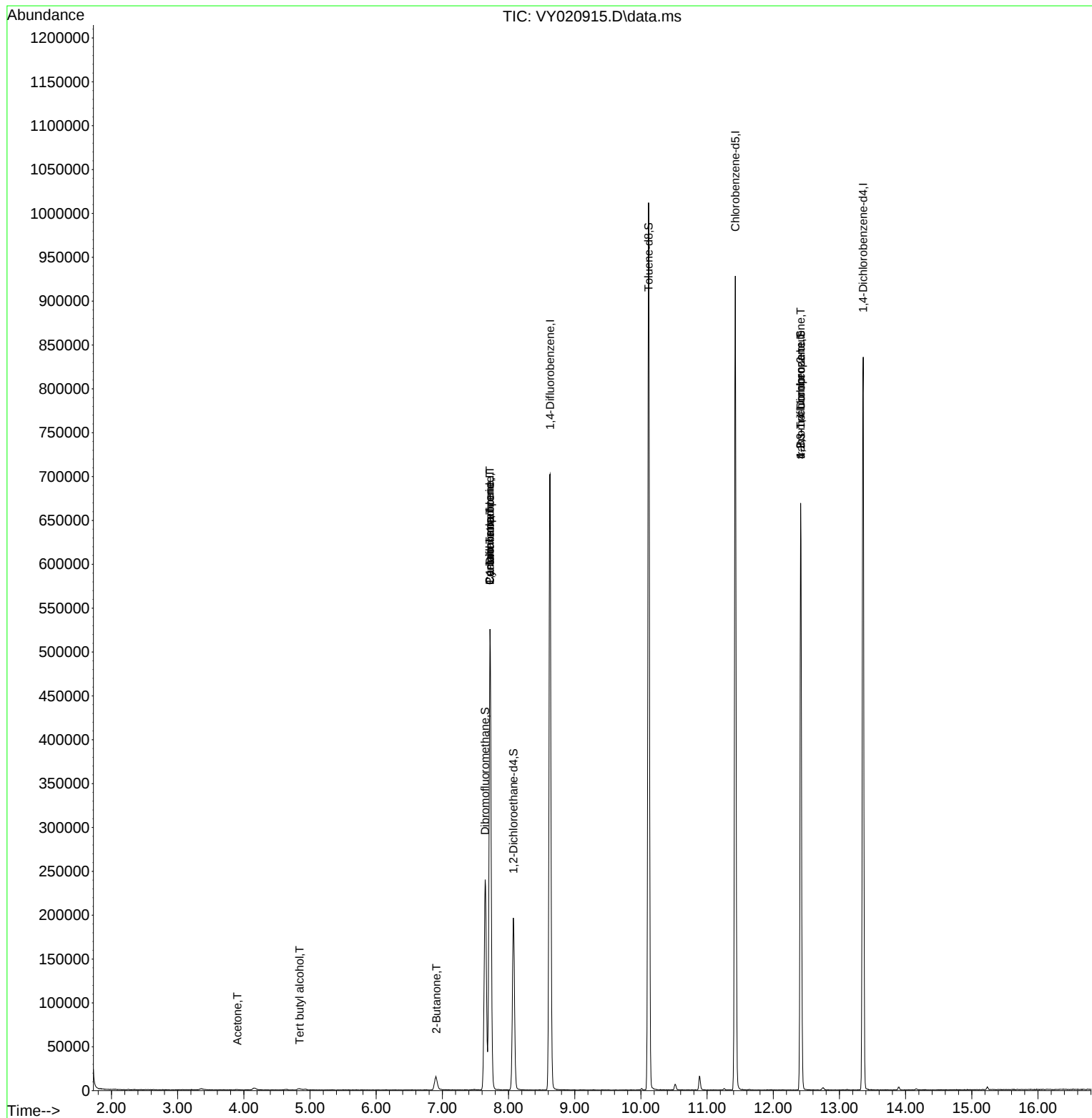
Internal Standards						
1) Pentafluorobenzene	7.719	168	424525	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.628	114	638517	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.426	117	507766	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	229813	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	154884	42.924	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.840%
35) Dibromofluoromethane	7.646	113	174395	43.596	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.200%
50) Toluene-d8	10.115	98	669598	48.017	ug/l	-0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.040%
62) 4-Bromofluorobenzene	12.414	95	206341	40.069	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	80.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	1227	4.500	ug/l #	73
16) Acetone	3.903	43	774	1.508	ug/l #	78
25) 2-Butanone	6.909	43	914	1.084	ug/l #	76
31) Cyclohexane	7.719	56	7449	1.419	ug/l #	1
36) 1,1-Dichloropropene	7.719	75	29220	5.727	ug/l #	49
38) Carbon Tetrachloride	7.719	117	40584	5.714	ug/l #	17
76) 1,2,3-Trichloropropane	12.414	75	102957	51.202	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	102957	107.960	ug/l #	14

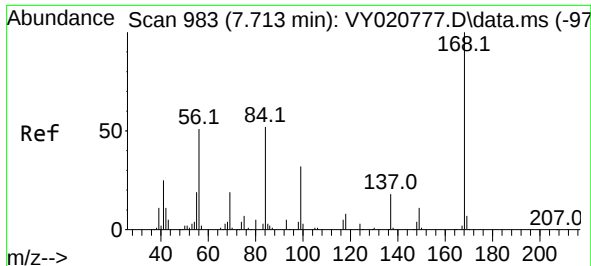
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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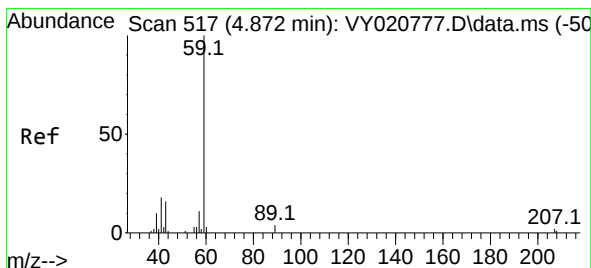
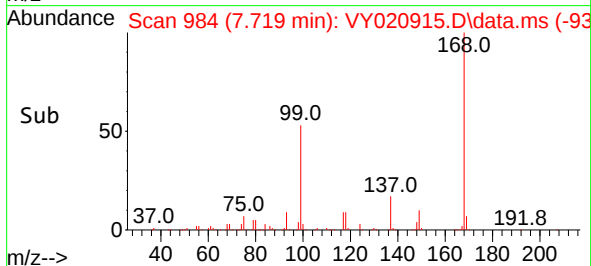
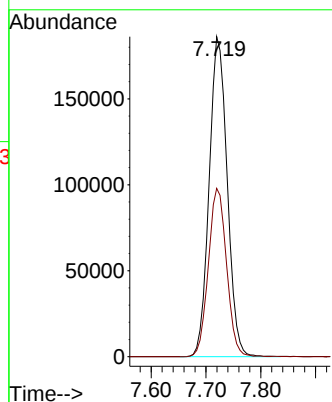
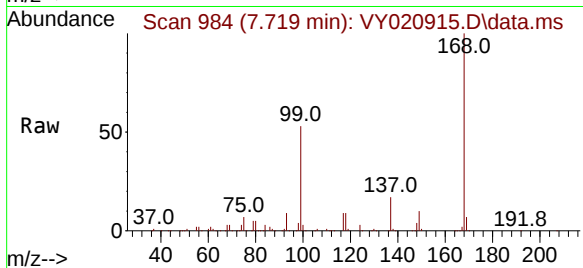




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY020915.D
Acq: 23 Jan 2025 17:04

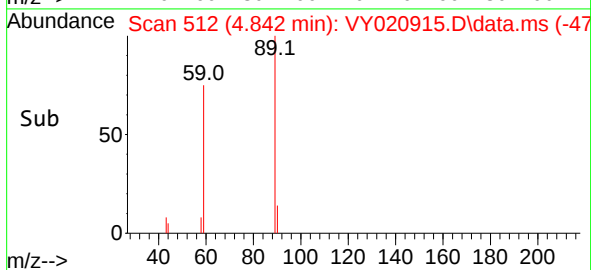
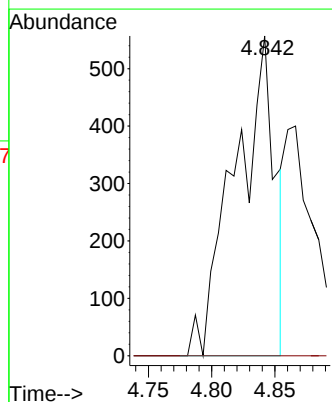
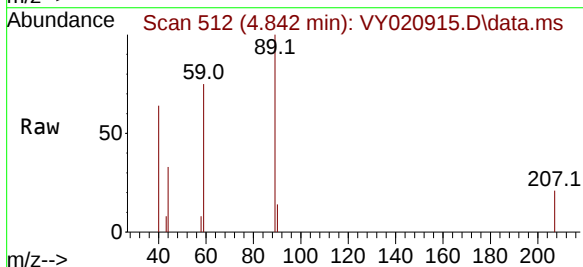
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 424525
Ion Ratio Lower Upper
168 100
99 52.6 44.3 66.5



#11
Tert butyl alcohol
Concen: 4.500 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.085 min
Lab File: VY020915.D
Acq: 23 Jan 2025 17:04

Tgt Ion: 59 Resp: 1227
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

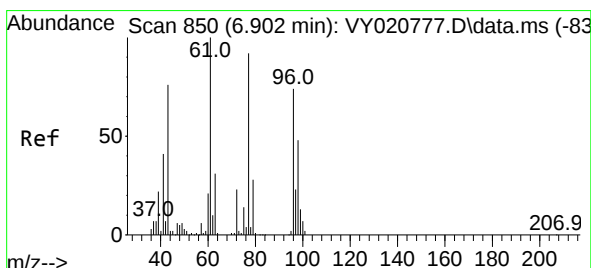
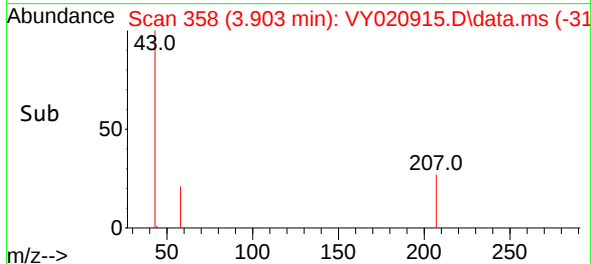
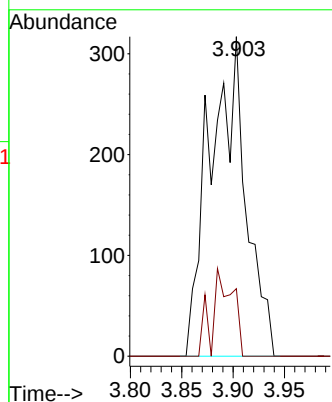
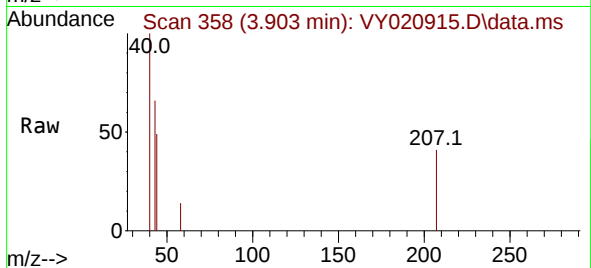




#16
Acetone
Concen: 1.508 ug/l
RT: 3.903 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY020915.D
Acq: 23 Jan 2025 17:04

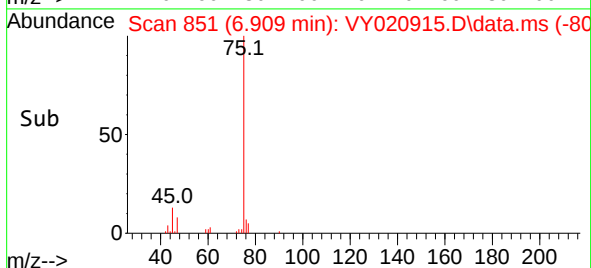
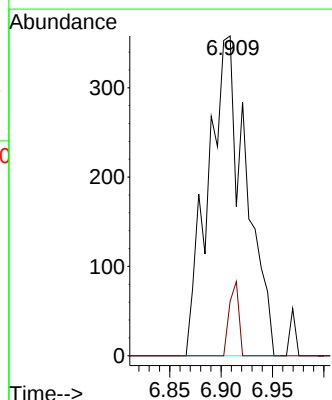
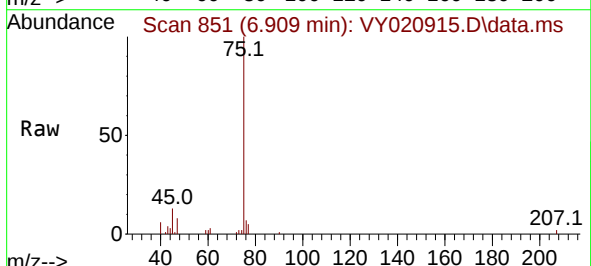
Instrument :
MSVOA_Y
ClientSampleId :

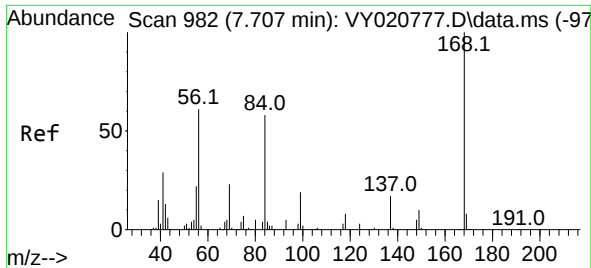
Tgt Ion: 43 Resp: 774
Ion Ratio Lower Upper
43 100
58 21.1 26.7 40.1#



#25
2-Butanone
Concen: 1.084 ug/l
RT: 6.909 min Scan# 851
Delta R.T. -0.024 min
Lab File: VY020915.D
Acq: 23 Jan 2025 17:04

Tgt Ion: 43 Resp: 914
Ion Ratio Lower Upper
43 100
72 17.0 24.0 36.0#

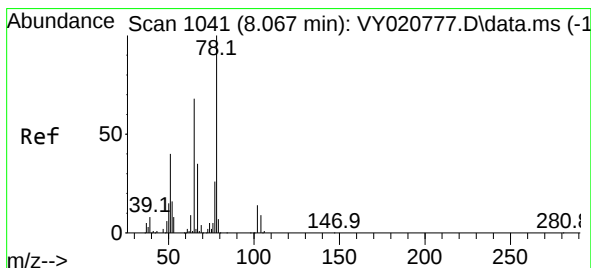
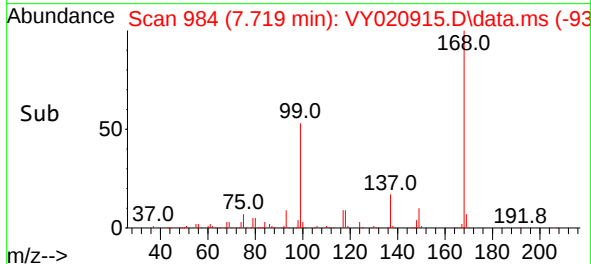
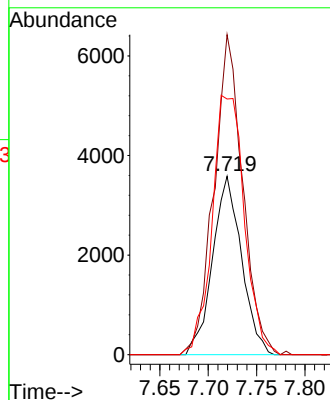
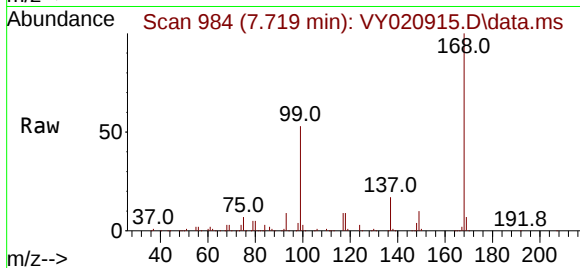




#31
Cyclohexane
Concen: 1.419 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY020915.D
Acq: 23 Jan 2025 17:04

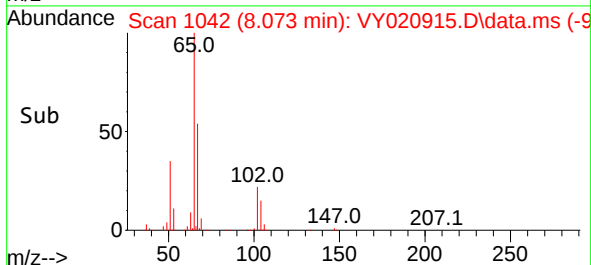
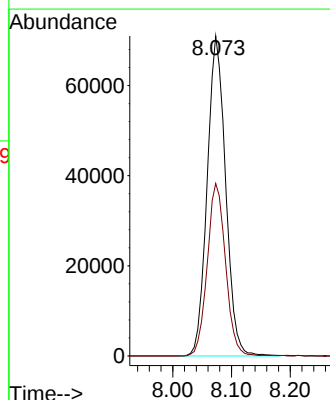
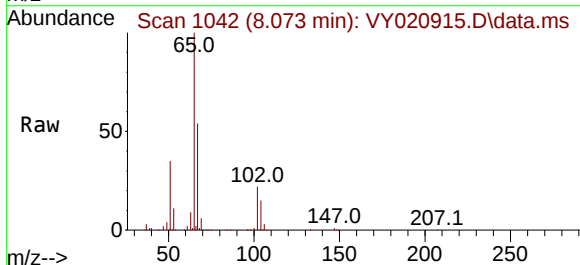
Instrument :
MSVOA_Y
ClientSampleId :

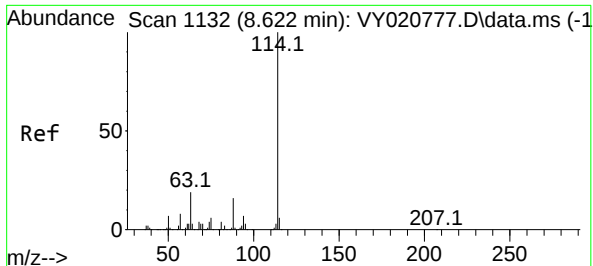
Tgt Ion: 56 Resp: 7449
Ion Ratio Lower Upper
56 100
69 179.4 30.5 45.7#
84 143.4 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 42.924 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. -0.018 min
Lab File: VY020915.D
Acq: 23 Jan 2025 17:04

Tgt Ion: 65 Resp: 154884
Ion Ratio Lower Upper
65 100
67 53.6 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1132

Delta R.T. -0.012 min

Lab File: VY020915.D

Acq: 23 Jan 2025 17:04

Instrument :

MSVOA_Y

ClientSampleId :

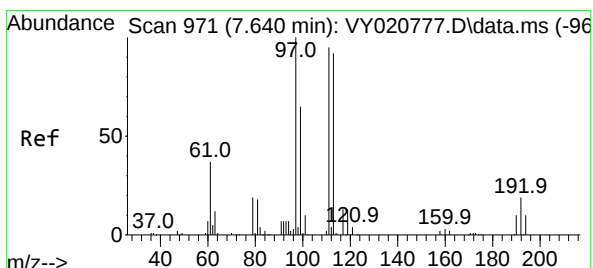
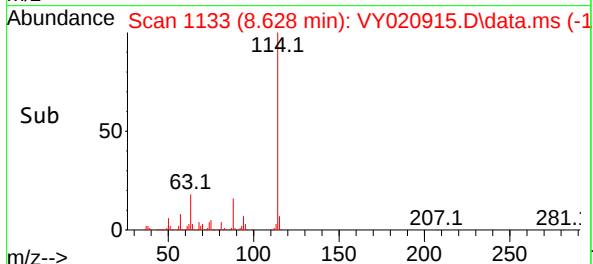
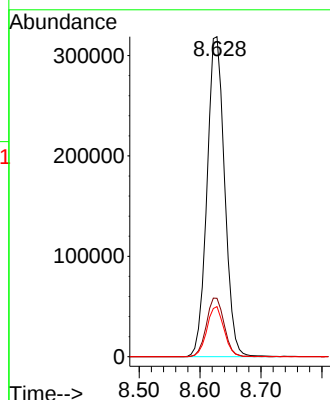
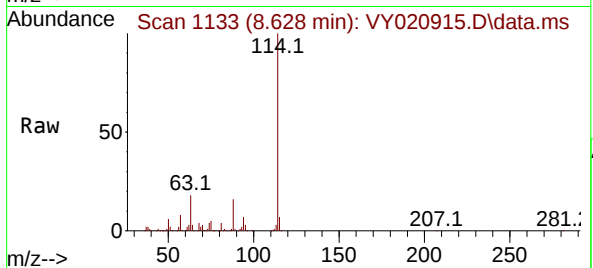
Tgt Ion:114 Resp: 638517

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 15.7 0.0 31.2



#35

Dibromofluoromethane

Concen: 43.596 ug/l

RT: 7.646 min Scan# 972

Delta R.T. -0.018 min

Lab File: VY020915.D

Acq: 23 Jan 2025 17:04

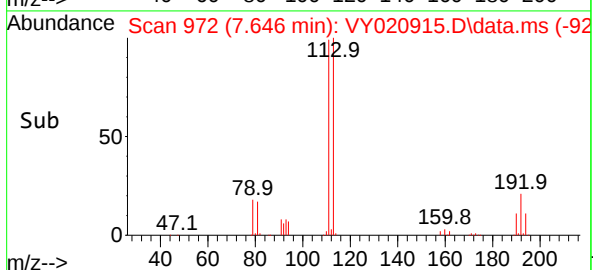
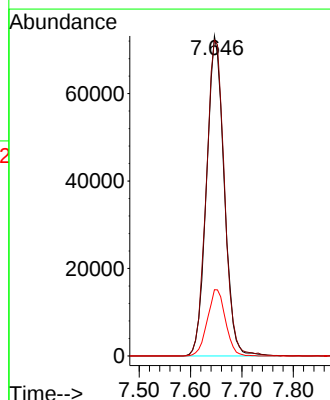
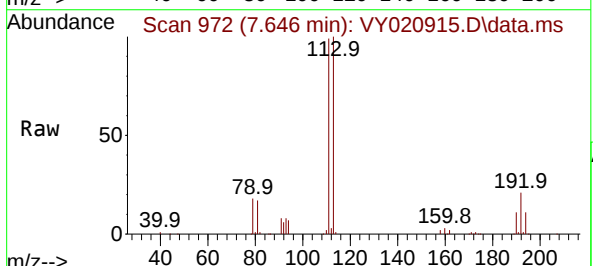
Tgt Ion:113 Resp: 174395

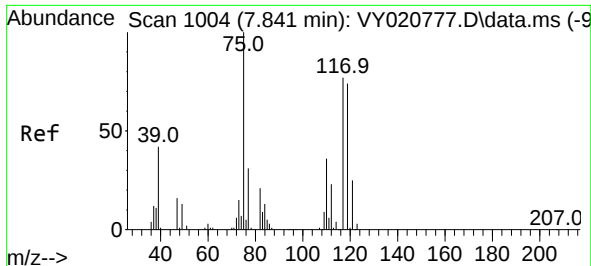
Ion Ratio Lower Upper

113 100

111 101.8 81.7 122.5

192 21.3 16.7 25.1

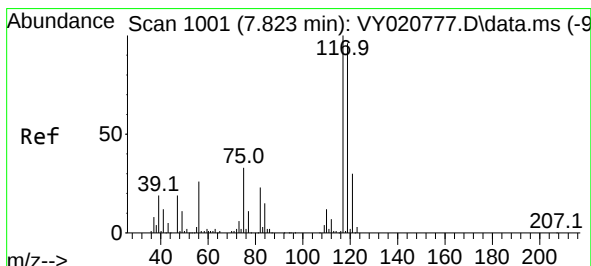
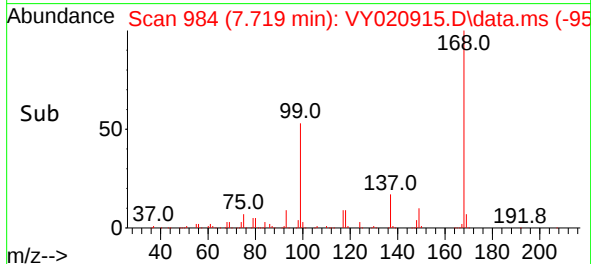
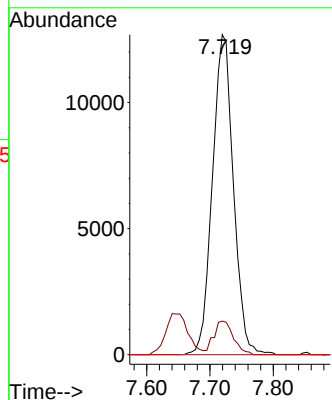
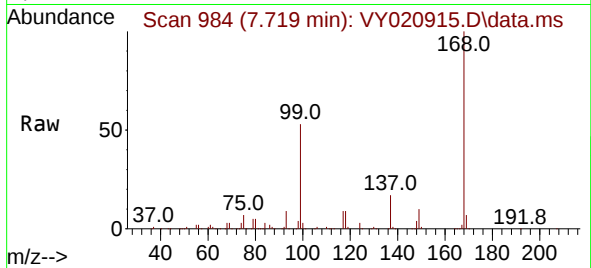




#36
1,1-Dichloropropene
Concen: 5.727 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.146 min
Lab File: VY020915.D
Acq: 23 Jan 2025 17:04

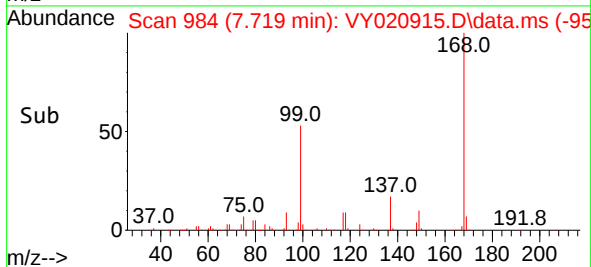
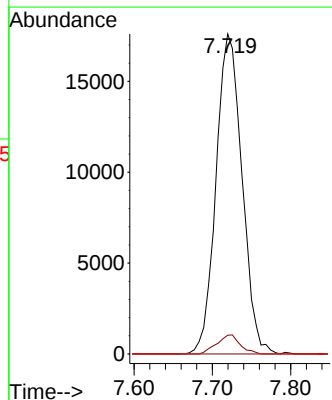
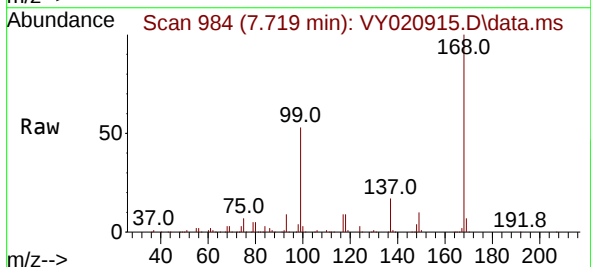
Instrument :
MSVOA_Y
ClientSampleId :

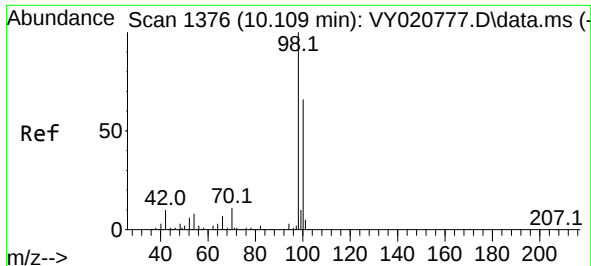
Tgt Ion: 75 Resp: 29220
Ion Ratio Lower Upper
75 100
110 9.9 18.5 55.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.714 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.128 min
Lab File: VY020915.D
Acq: 23 Jan 2025 17:04

Tgt Ion: 117 Resp: 40584
Ion Ratio Lower Upper
117 100
119 5.9 76.5 114.7#
121 0.0 24.3 36.5#

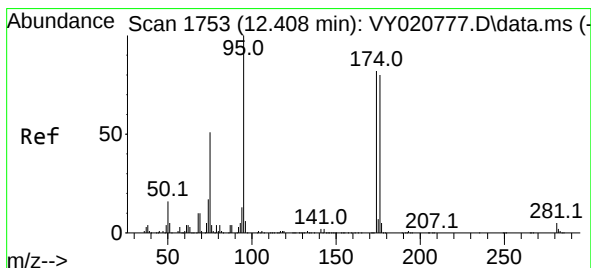
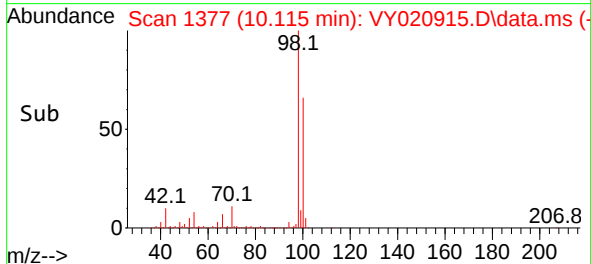
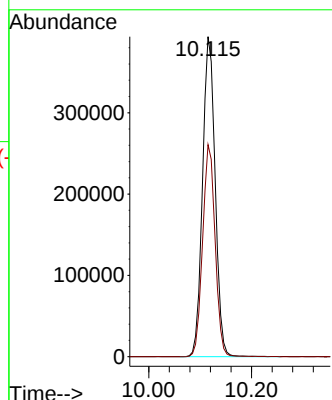
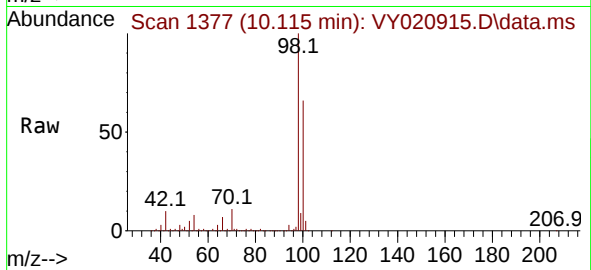




#50
Toluene-d8
Concen: 48.017 ug/l
RT: 10.115 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY020915.D
Acq: 23 Jan 2025 17:04

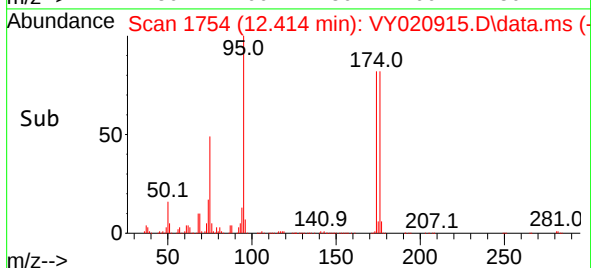
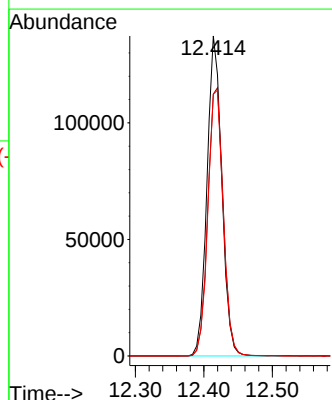
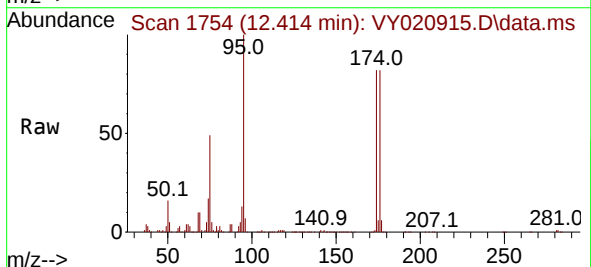
Instrument :
MSVOA_Y
ClientSampleId :

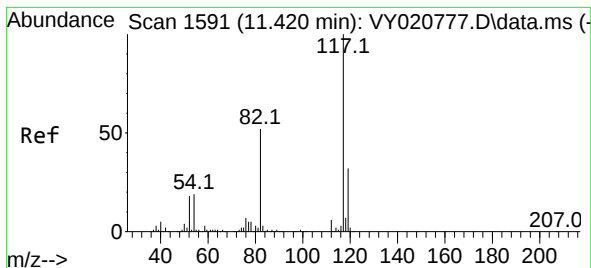
Tgt Ion: 98 Resp: 669598
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 40.069 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.012 min
Lab File: VY020915.D
Acq: 23 Jan 2025 17:04

Tgt Ion: 95 Resp: 206341
Ion Ratio Lower Upper
95 100
174 87.8 0.0 178.0
176 86.5 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. -0.012 min

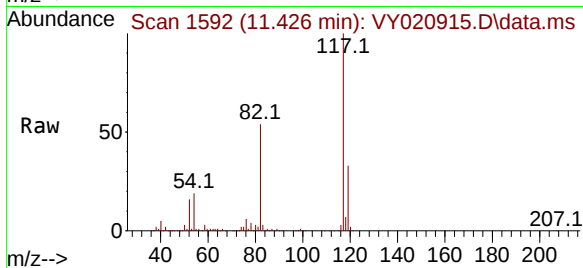
Lab File: VY020915.D

Acq: 23 Jan 2025 17:04

Instrument :

MSVOA_Y

ClientSampleId :



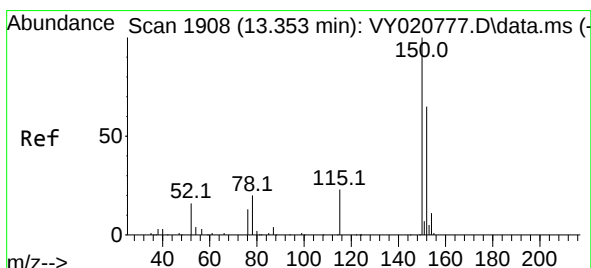
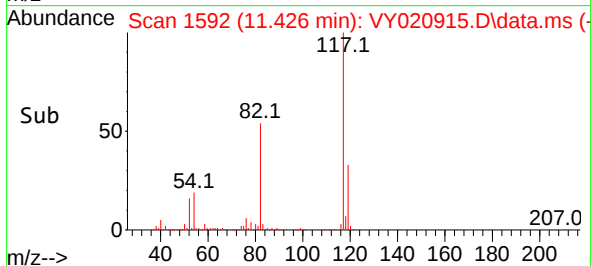
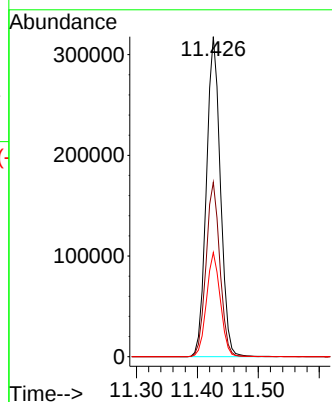
Tgt Ion:117 Resp: 507766

Ion Ratio Lower Upper

117 100

82 54.5 41.8 62.6

119 32.5 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. -0.012 min

Lab File: VY020915.D

Acq: 23 Jan 2025 17:04

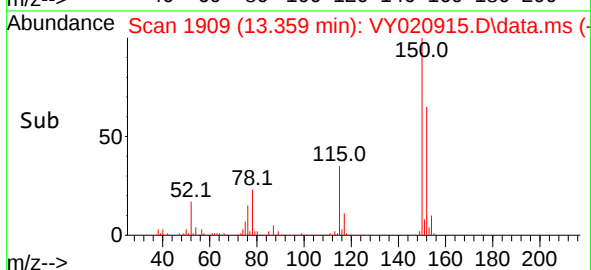
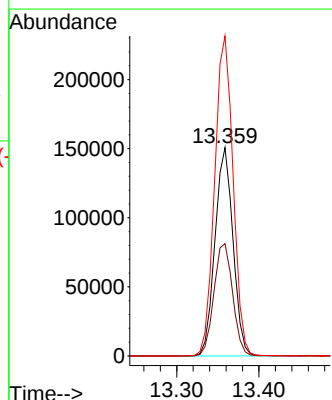
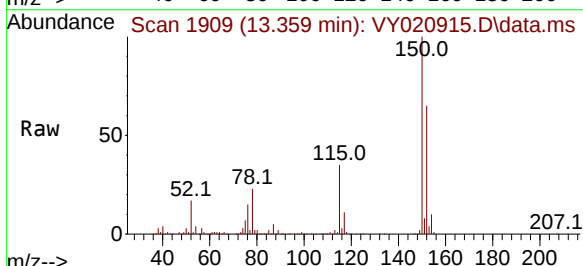
Tgt Ion:152 Resp: 229813

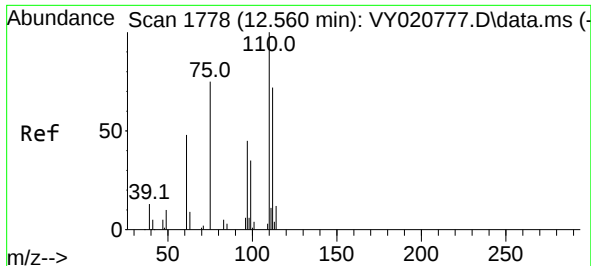
Ion Ratio Lower Upper

152 100

115 56.0 29.0 87.0

150 156.8 0.0 347.4

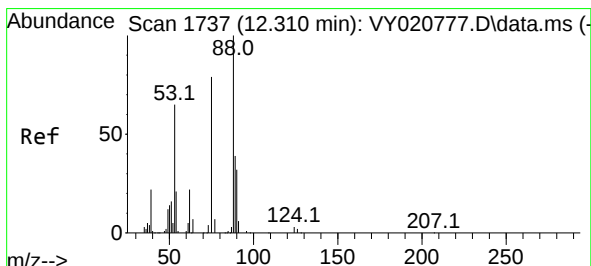
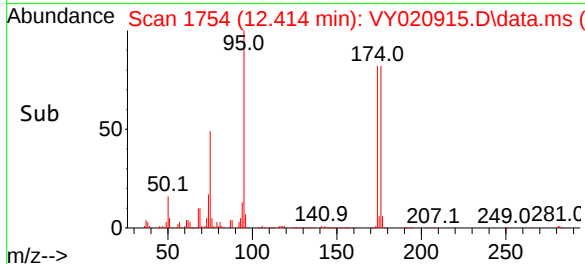
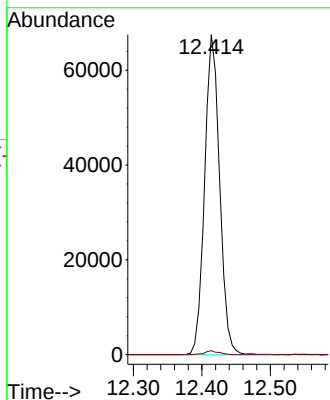
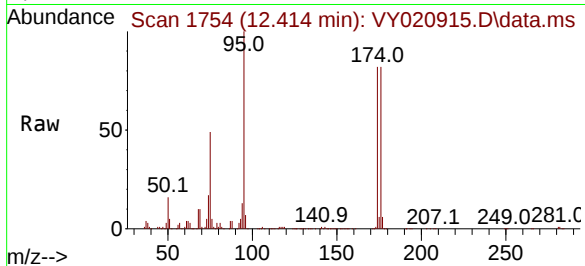




#76
1,2,3-Trichloropropane
Concen: 51.202 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.164 min
Lab File: VY020915.D
Acq: 23 Jan 2025 17:04

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 102957
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.960 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.086 min
Lab File: VY020915.D
Acq: 23 Jan 2025 17:04

Tgt Ion: 75 Resp: 102957
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.0 39.6 59.4#

