

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021727.D
 Acq On : 31 Mar 2025 18:08
 Operator : SY/MD
 Sample : Q1674-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT5358

Quant Time: Apr 01 05:40:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

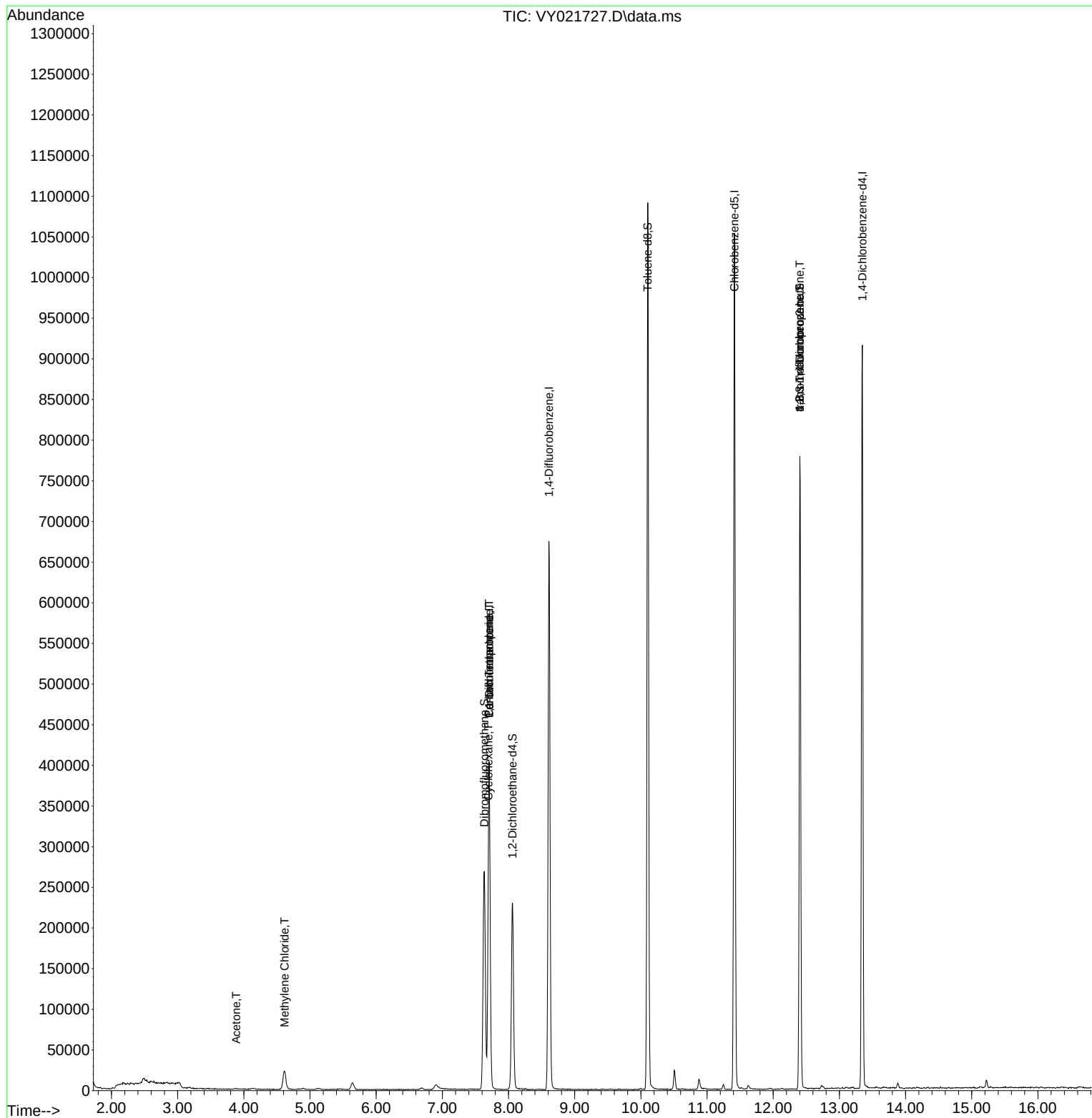
Internal Standards						
1) Pentafluorobenzene	7.707	168	301498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	564913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	535582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	231797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	180014	55.107	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.220%	
35) Dibromofluoromethane	7.634	113	191120	52.155	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.300%	
50) Toluene-d8	10.103	98	690448	49.527	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.060%	
62) 4-Bromofluorobenzene	12.401	95	236480	50.150	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.300%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	1585	2.371	ug/l #	86
20) Methylene Chloride	4.616	84	16865	1.396	ug/l	93
31) Cyclohexane	7.695	56	6663	1.156	ug/l #	41
36) 1,1-Dichloropropene	7.707	75	24882	4.458	ug/l #	50
38) Carbon Tetrachloride	7.707	117	30609	4.788	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	122982	53.524	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	122982	123.328	ug/l #	12

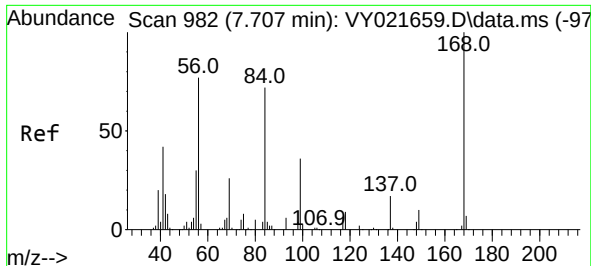
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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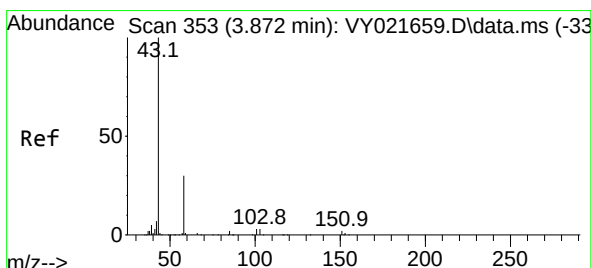
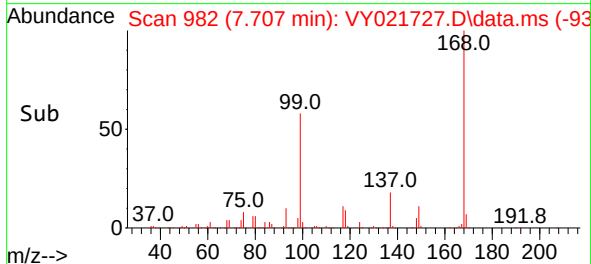
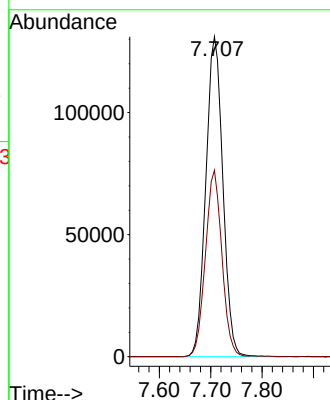
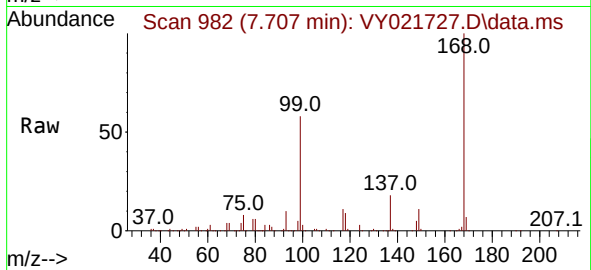




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021727.D
Acq: 31 Mar 2025 18:08

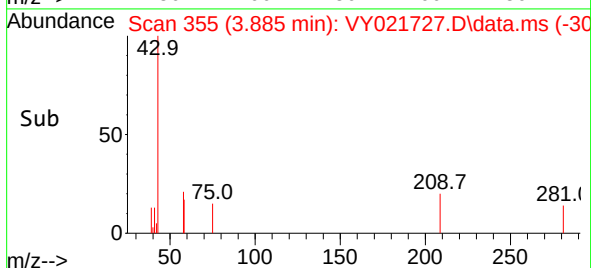
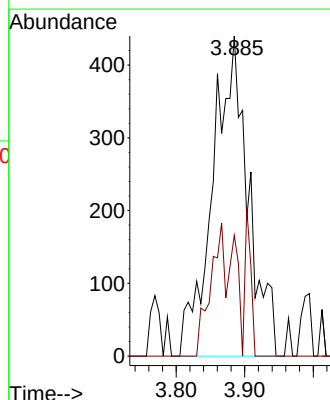
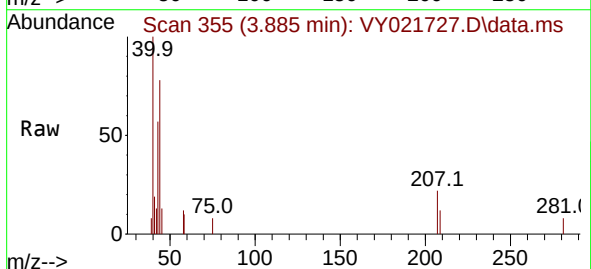
Instrument :
MSVOA_Y
ClientSampleId :
RT5358

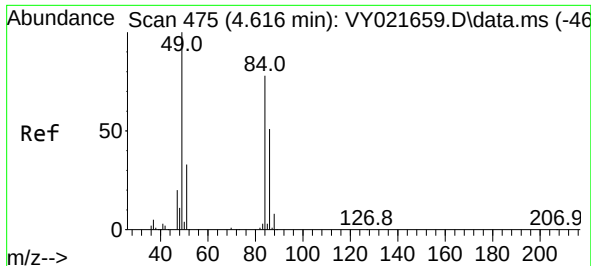
Tgt Ion:168 Resp: 301498
Ion Ratio Lower Upper
168 100
99 58.2 46.7 70.1



#16
Acetone
Concen: 2.371 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY021727.D
Acq: 31 Mar 2025 18:08

Tgt Ion: 43 Resp: 1585
Ion Ratio Lower Upper
43 100
58 37.7 24.2 36.4#

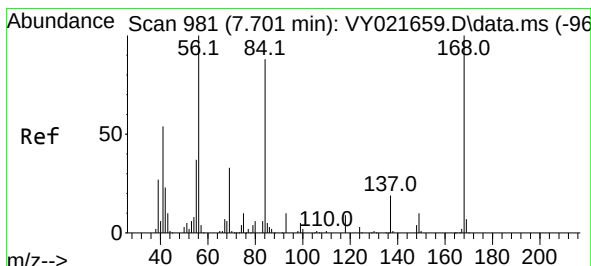
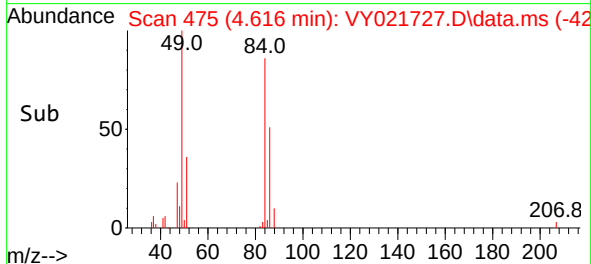
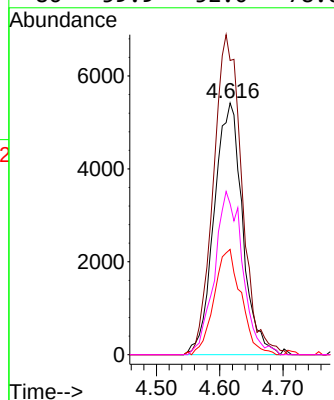
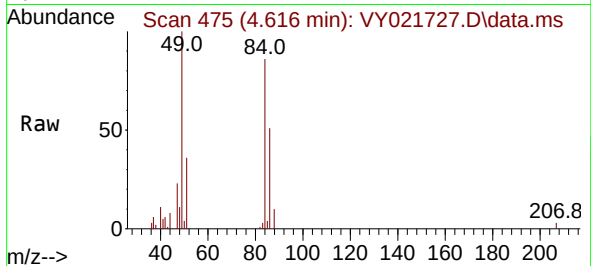




#20
Methylene Chloride
Concen: 1.396 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021727.D
Acq: 31 Mar 2025 18:08

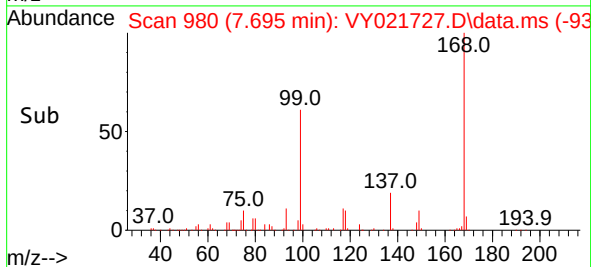
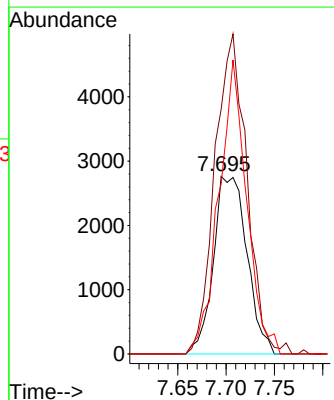
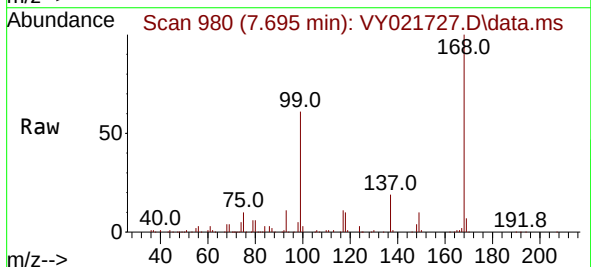
Instrument :
MSVOA_Y
ClientSampleId :
RT5358

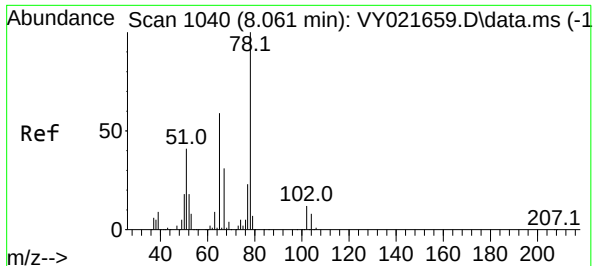
Tgt Ion:	84	Resp:	16865
Ion	Ratio	Lower	Upper
84	100		
49	116.9	102.8	154.2
51	41.8	33.5	50.3
86	59.9	52.0	78.0



#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY021727.D
Acq: 31 Mar 2025 18:08

Tgt Ion:	56	Resp:	6663
Ion	Ratio	Lower	Upper
56	100		
69	137.8	26.6	40.0#
84	95.8	69.0	103.4





#33

1,2-Dichloroethane-d4

Concen: 55.107 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY021727.D

Acq: 31 Mar 2025 18:08

Instrument :

MSVOA_Y

ClientSampleId :

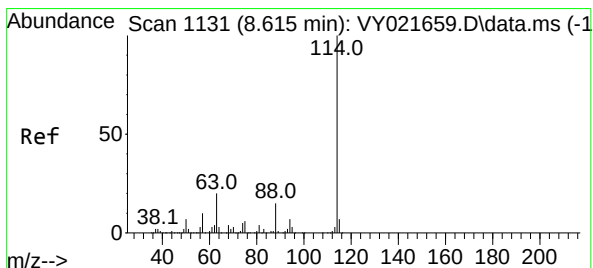
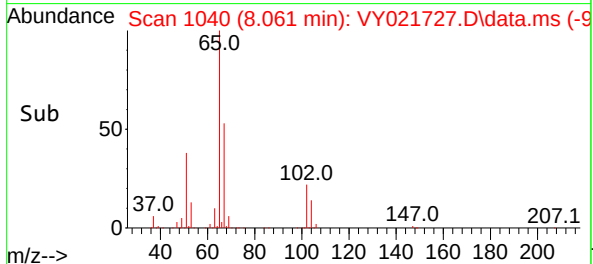
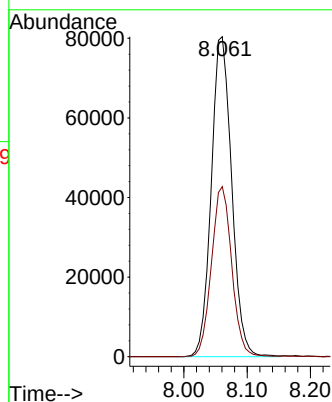
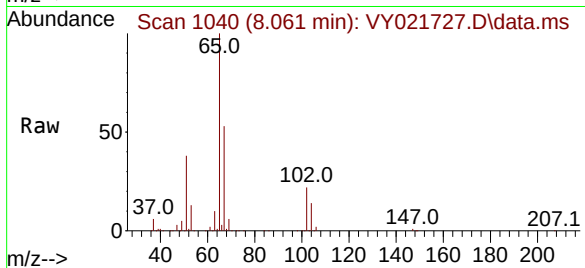
RT5358

Tgt Ion: 65 Resp: 180014

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY021727.D

Acq: 31 Mar 2025 18:08

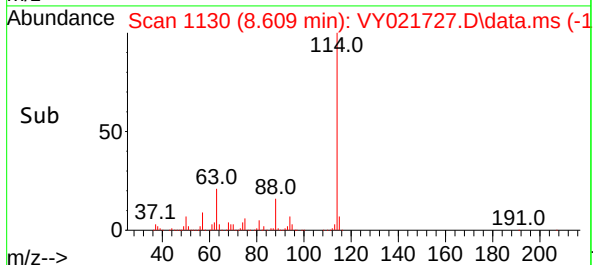
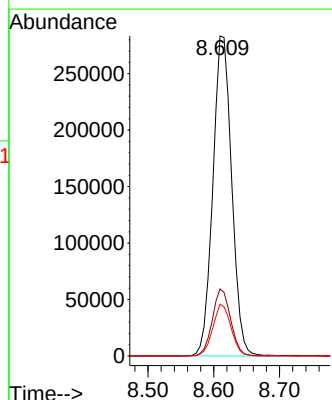
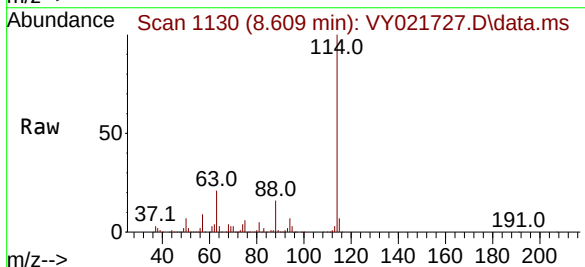
Tgt Ion: 114 Resp: 564913

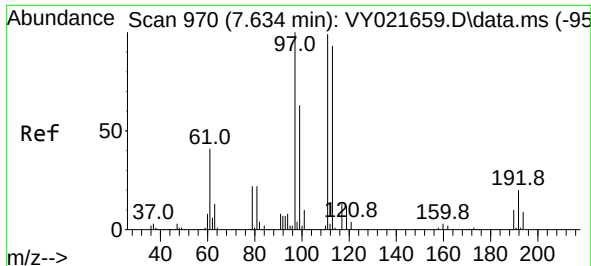
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 16.2 0.0 29.8

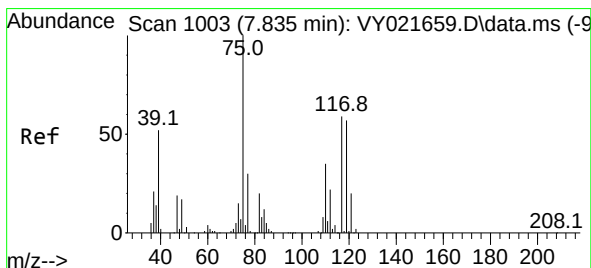
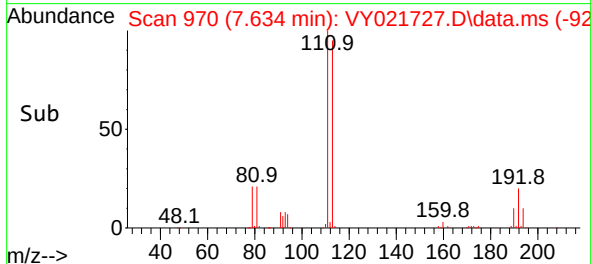
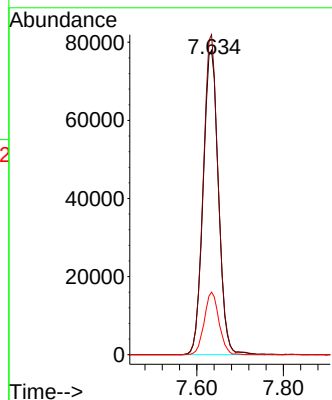
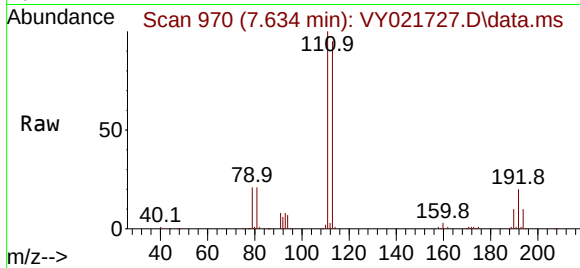




#35
Dibromofluoromethane
Concen: 52.155 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY021727.D
Acq: 31 Mar 2025 18:08

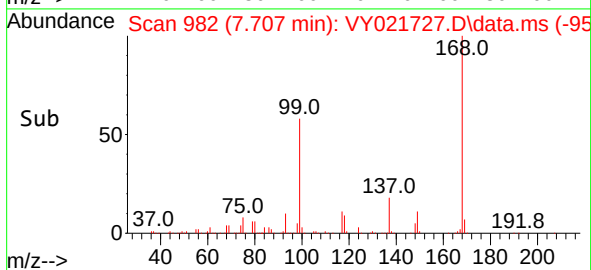
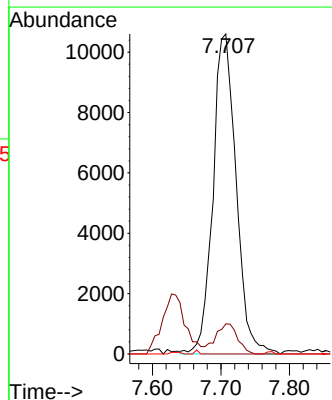
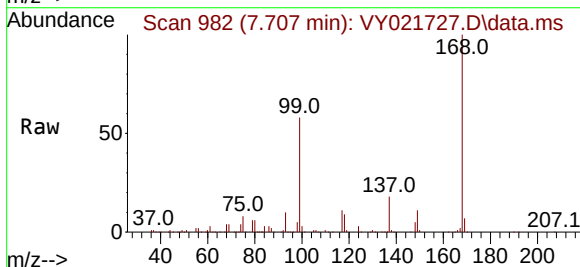
Instrument :
MSVOA_Y
ClientSampleId :
RT5358

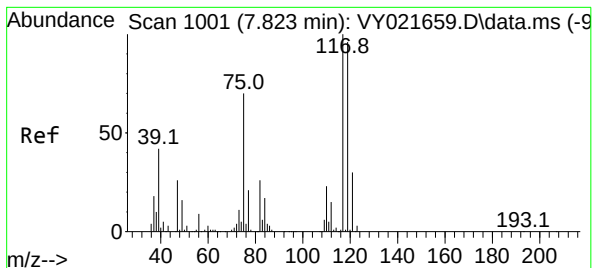
Tgt Ion:113 Resp: 191120
Ion Ratio Lower Upper
113 100
111 102.6 82.6 123.8
192 19.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.458 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021727.D
Acq: 31 Mar 2025 18:08

Tgt Ion: 75 Resp: 24882
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.788 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY021727.D

Acq: 31 Mar 2025 18:08

Instrument :

MSVOA_Y

ClientSampleId :

RT5358

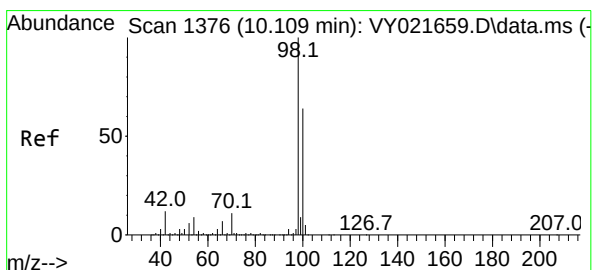
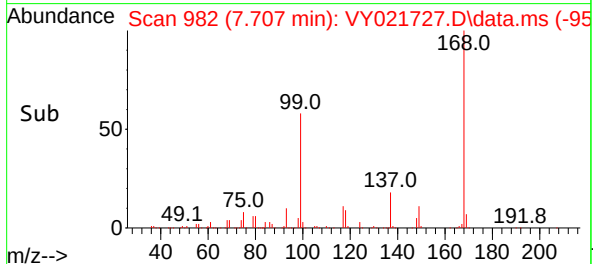
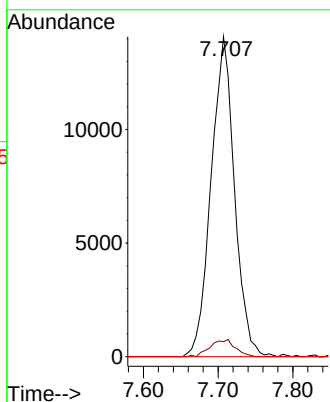
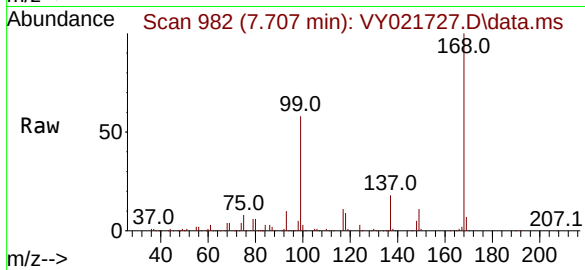
Tgt Ion:117 Resp: 30609

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 49.527 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY021727.D

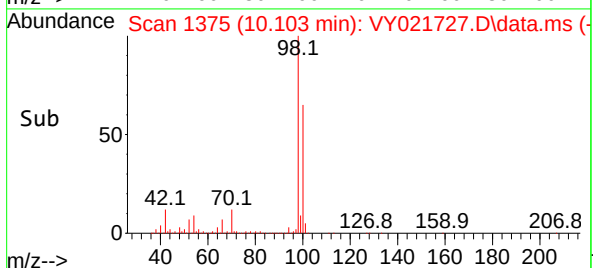
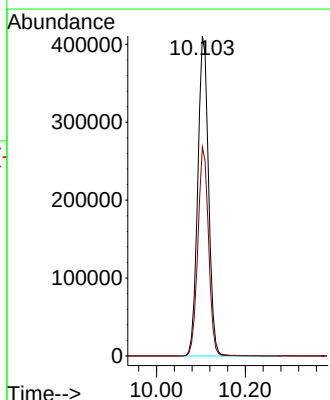
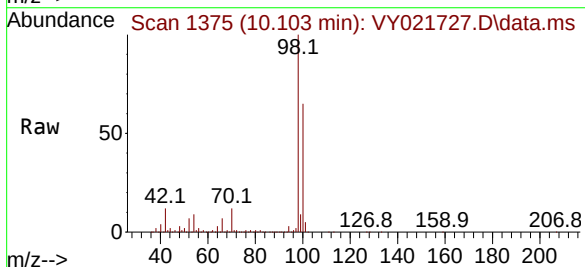
Acq: 31 Mar 2025 18:08

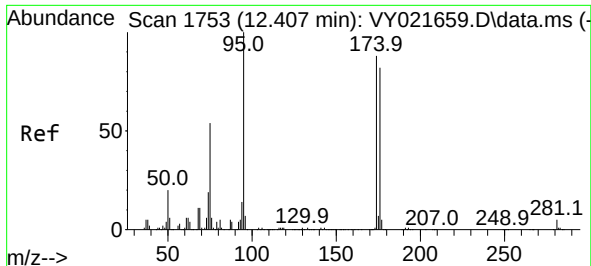
Tgt Ion: 98 Resp: 690448

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1

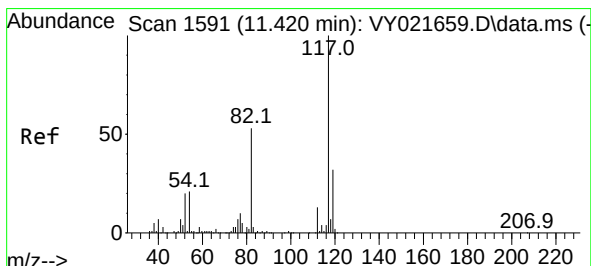
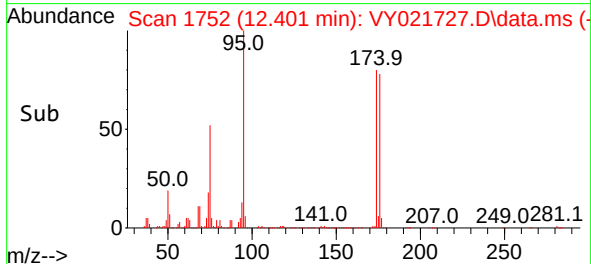
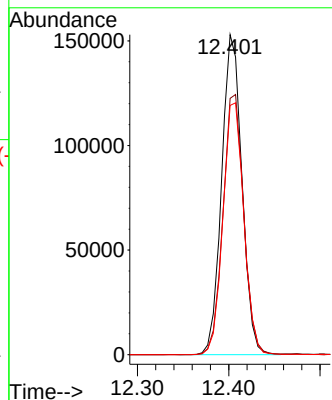
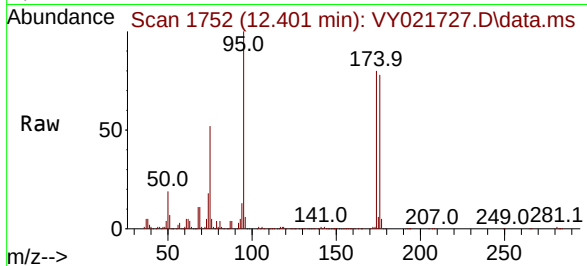




#62
4-Bromofluorobenzene
Concen: 50.150 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021727.D
Acq: 31 Mar 2025 18:08

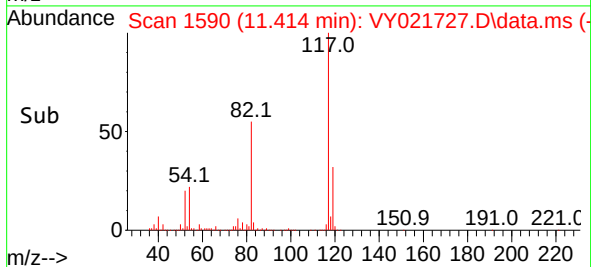
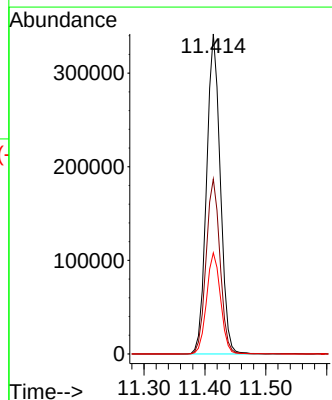
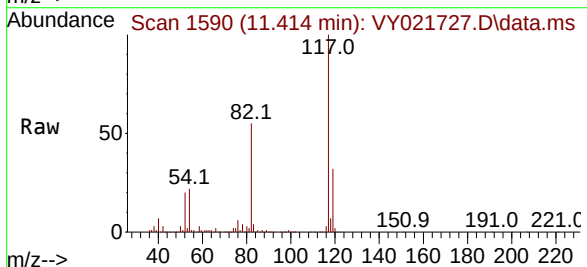
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RT5358

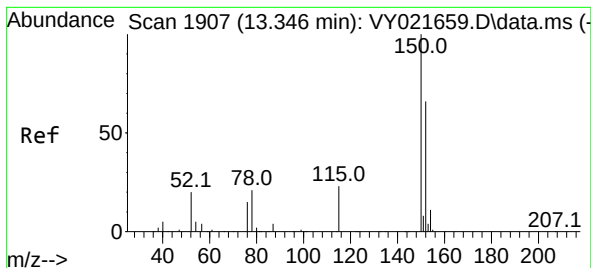
Tgt Ion: 95 Resp: 236480
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.8
176 80.9 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021727.D
Acq: 31 Mar 2025 18:08

Tgt Ion: 117 Resp: 535582
Ion Ratio Lower Upper
117 100
82 54.6 42.8 64.2
119 31.6 25.7 38.5

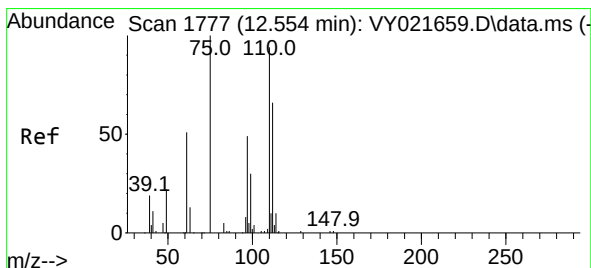
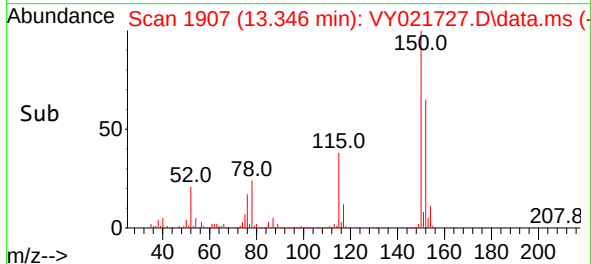
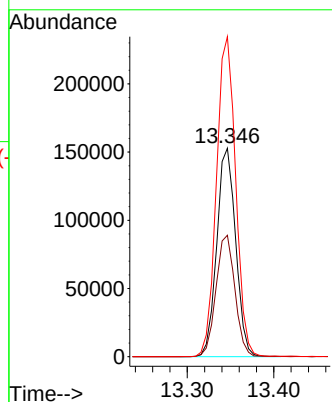
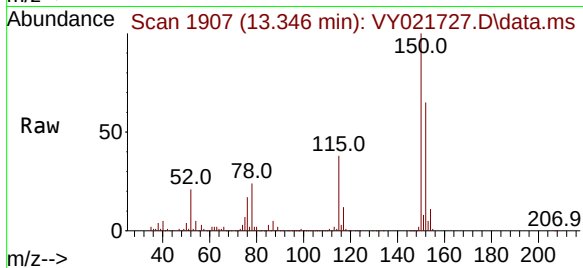




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021727.D
 Acq: 31 Mar 2025 18:08

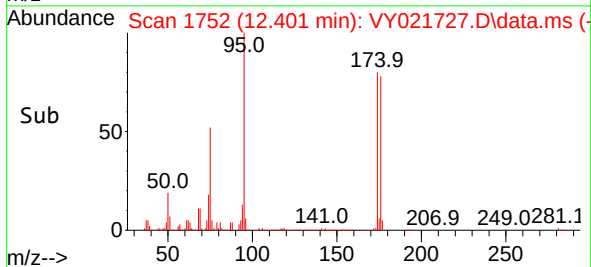
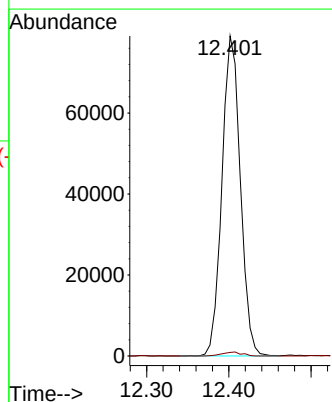
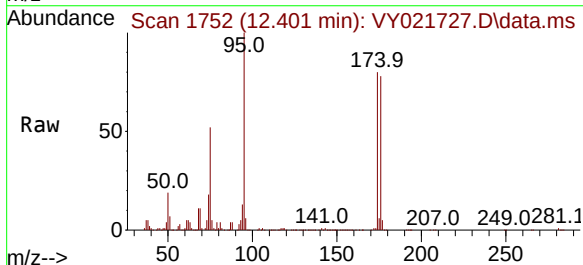
Instrument :
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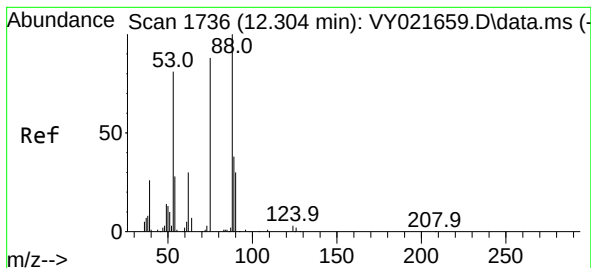
Tgt Ion:152 Resp: 231797
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.8 86.5
 150 155.9 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 53.524 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY021727.D
 Acq: 31 Mar 2025 18:08

Tgt Ion: 75 Resp: 122982
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.328 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY021727.D
 Acq: 31 Mar 2025 18:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT5358

Tgt Ion: 75 Resp: 122982
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#

