

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021677.D
 Acq On : 27 Mar 2025 19:19
 Operator : SY/MD
 Sample : Q1648-05
 Misc : 4.53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: Mar 28 04:05:17 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)

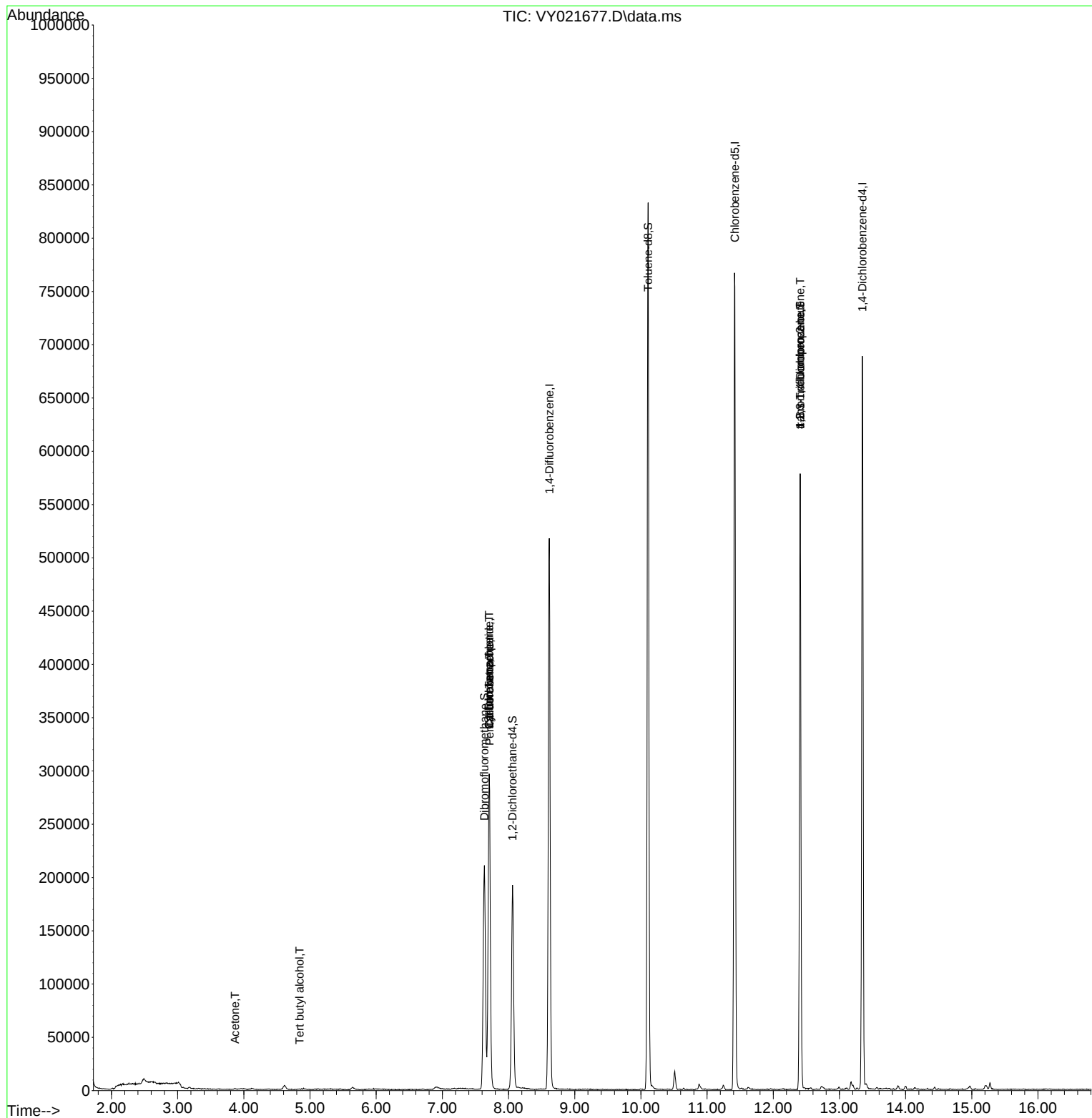
Internal Standards						
1) Pentafluorobenzene	7.713	168	218088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	428599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	397479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	163298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145128	61.419	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.840%	
35) Dibromofluoromethane	7.634	113	147677	53.116	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.240%	
50) Toluene-d8	10.109	98	525670	49.700	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.400%	
62) 4-Bromofluorobenzene	12.408	95	167072	46.699	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	840	5.473	ug/l #	70
16) Acetone	3.867	43	1166	2.411	ug/l	99
20) Methylene Chloride	4.616	84	2477	Below Cal	#	87
31) Cyclohexane	7.707	56	5444	1.305	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18167	4.290	ug/l #	50
38) Carbon Tetrachloride	7.707	117	23299	4.804	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	88869	54.901	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	88869	126.502	ug/l #	12

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

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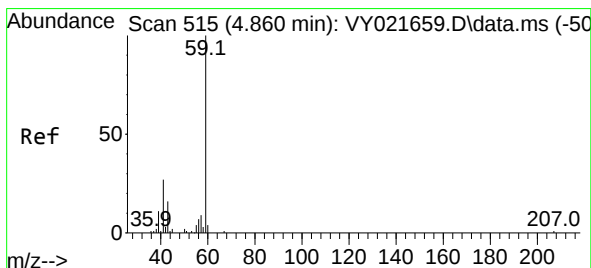
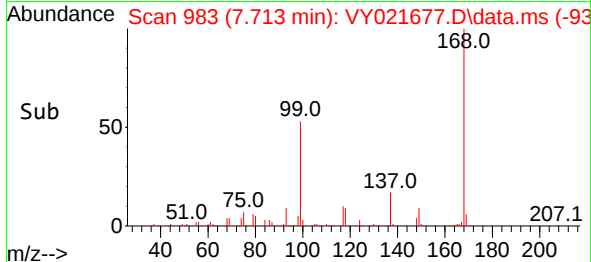
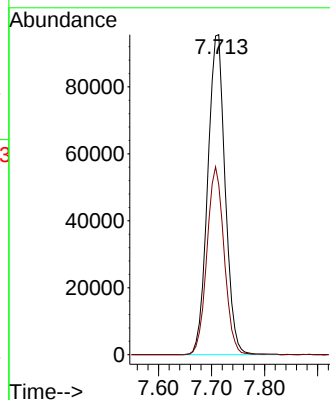
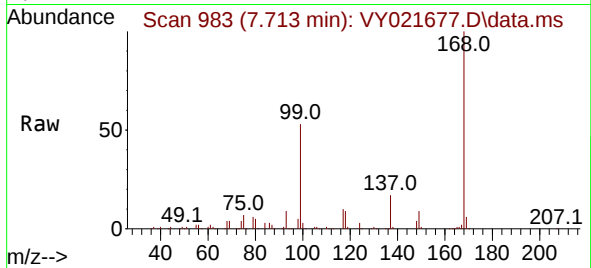




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

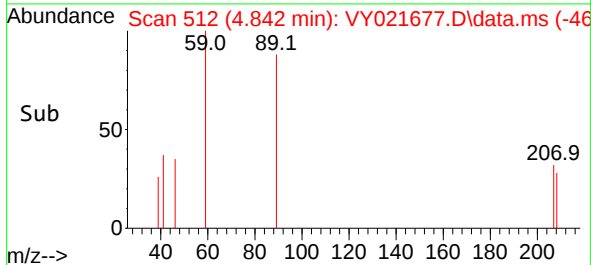
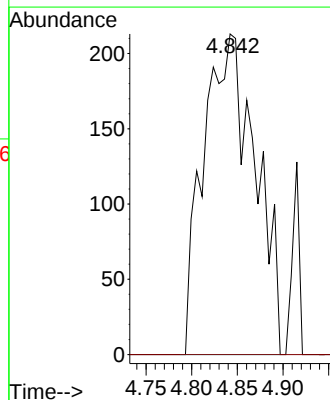
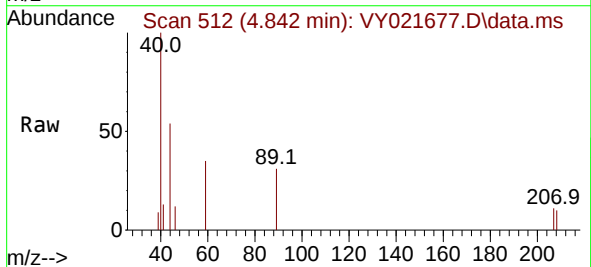
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MSVOA_Y
ClientSampleId :
TP-3

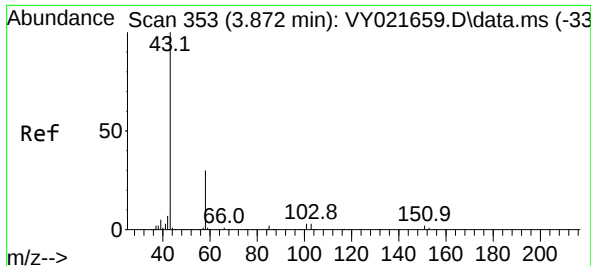
Tgt Ion:168 Resp: 218088
Ion Ratio Lower Upper
168 100
99 53.1 46.7 70.1



#11
Tert butyl alcohol
Concen: 5.473 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

Tgt Ion: 59 Resp: 840
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 2.411 ug/l

RT: 3.867 min Scan# 3

Delta R.T. -0.006 min

Lab File: VY021677.D

Acq: 27 Mar 2025 19:19

Instrument :

MSVOA_Y

ClientSampleId :

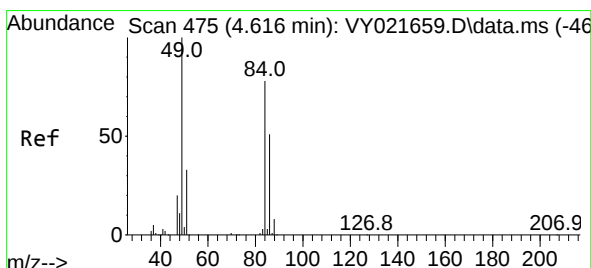
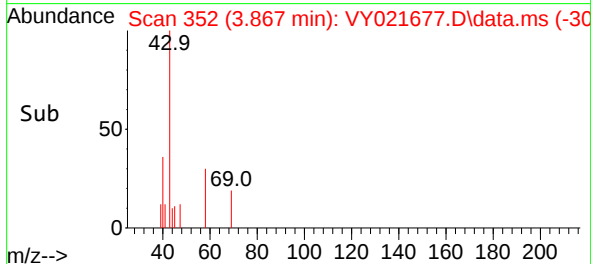
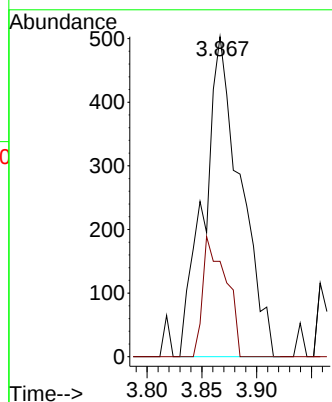
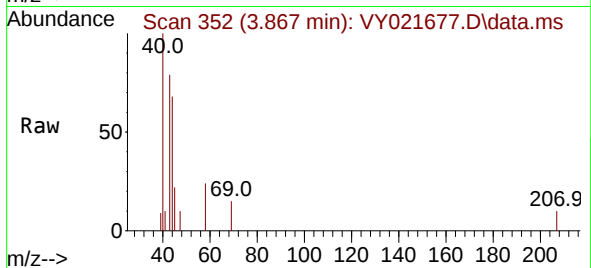
TP-3

Tgt Ion: 43 Resp: 1166

Ion Ratio Lower Upper

43 100

58 29.8 24.2 36.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY021677.D

Acq: 27 Mar 2025 19:19

Tgt Ion: 84 Resp: 2477

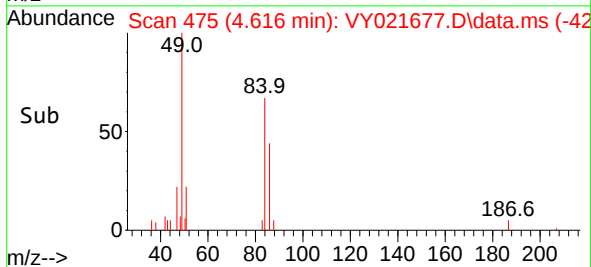
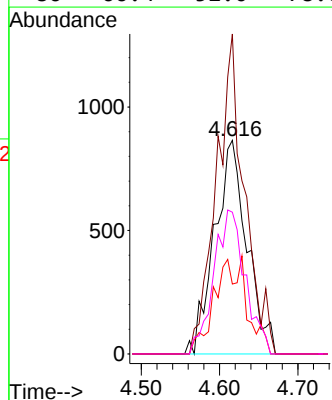
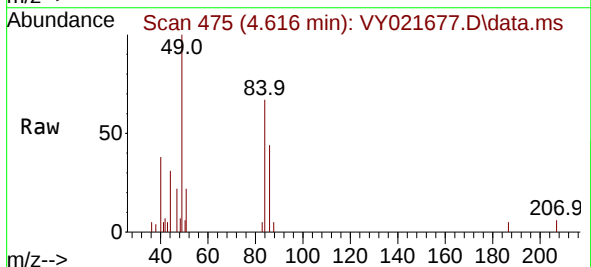
Ion Ratio Lower Upper

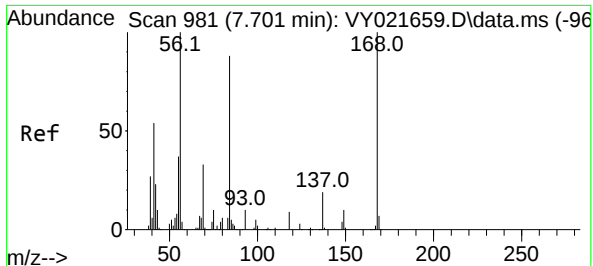
84 100

49 149.8 102.8 154.2

51 32.7 33.5 50.3#

86 66.4 52.0 78.0

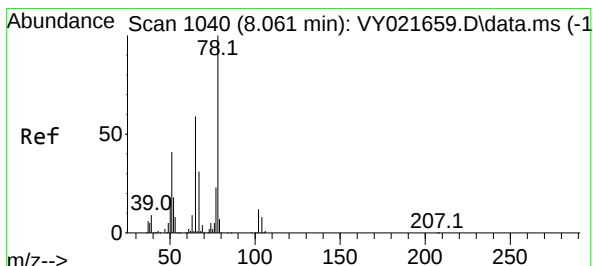
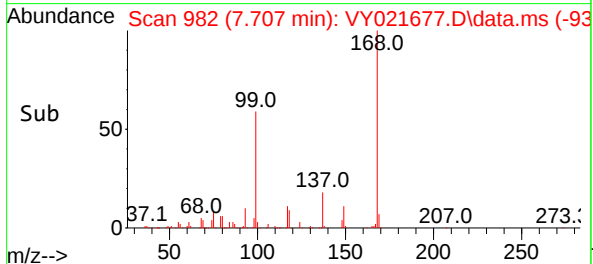
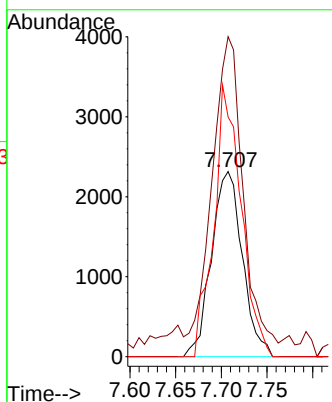
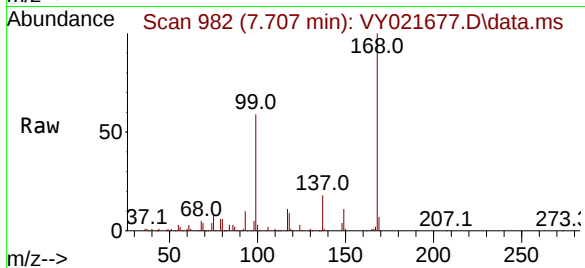




#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

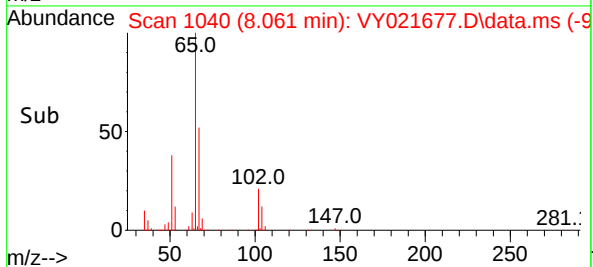
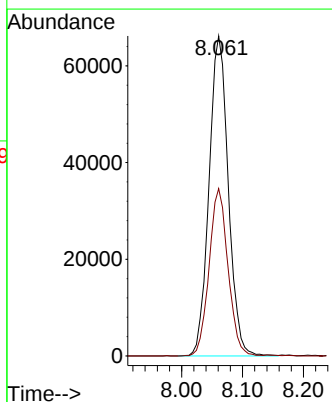
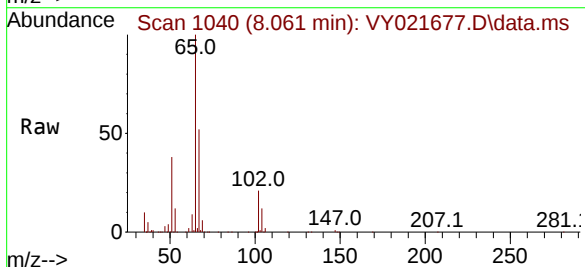
Instrument :
MSVOA_Y
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TP-3

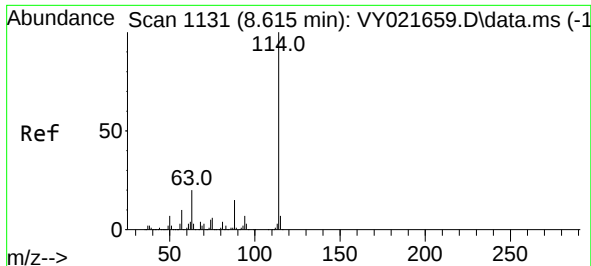
Tgt Ion: 56 Resp: 5444
Ion Ratio Lower Upper
56 100
69 165.4 26.6 40.0#
84 129.4 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 61.419 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

Tgt Ion: 65 Resp: 145128
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6

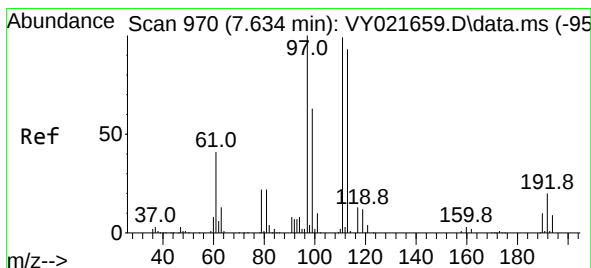
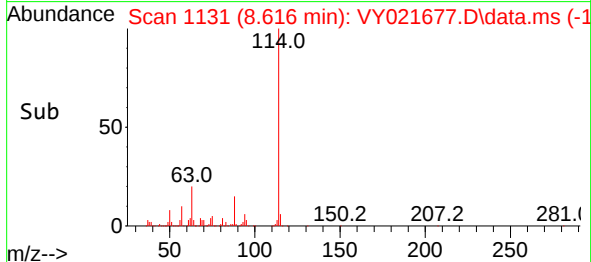
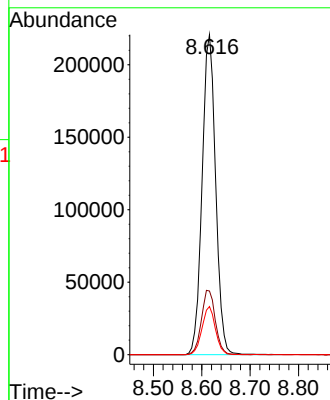
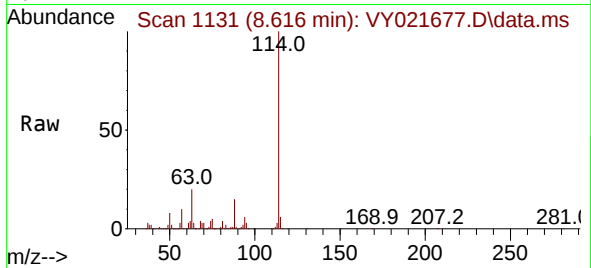




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

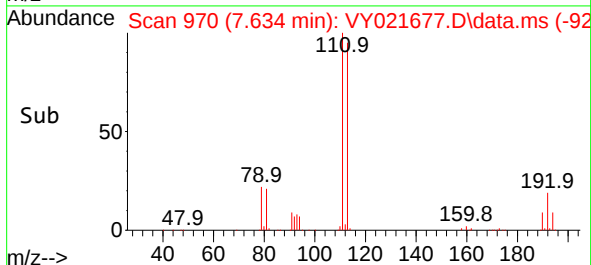
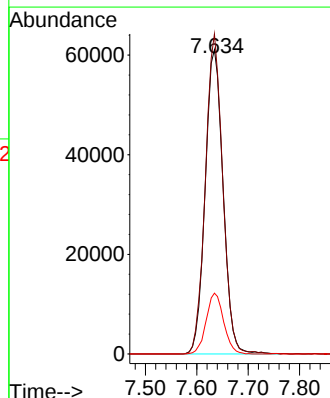
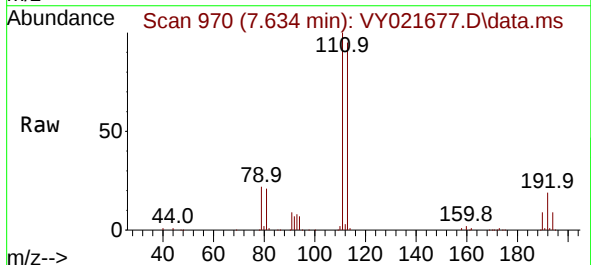
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

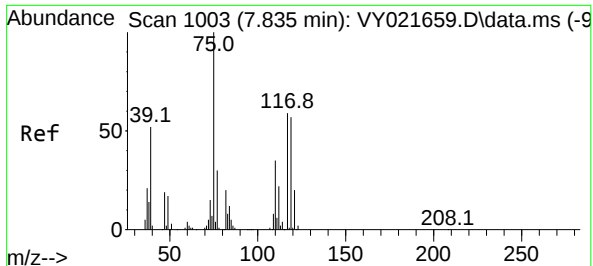
Tgt Ion:114 Resp: 428599
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.2
88 15.1 0.0 29.8



#35
Dibromofluoromethane
Concen: 53.116 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

Tgt Ion:113 Resp: 147677
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 19.6 16.2 24.4

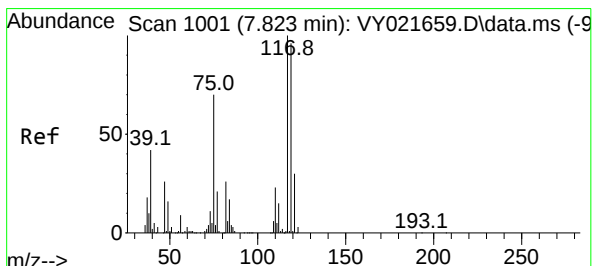
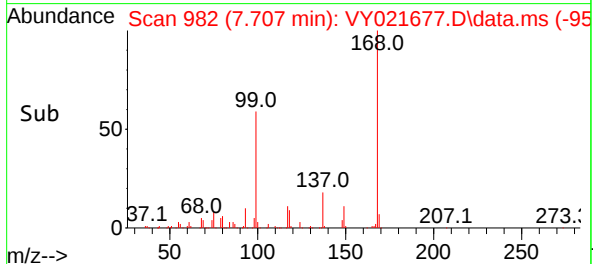
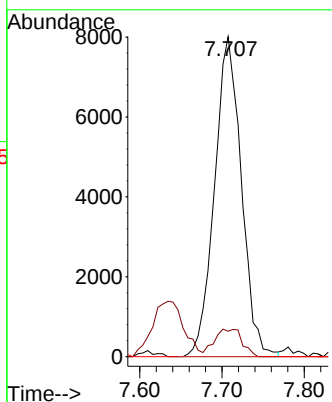
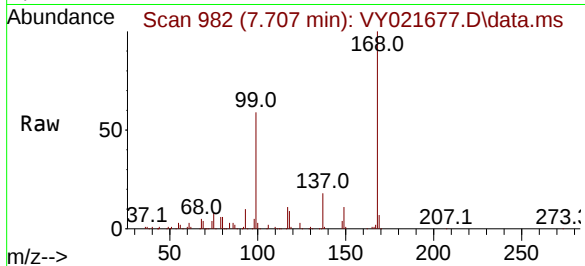




#36
1,1-Dichloropropene
Concen: 4.290 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

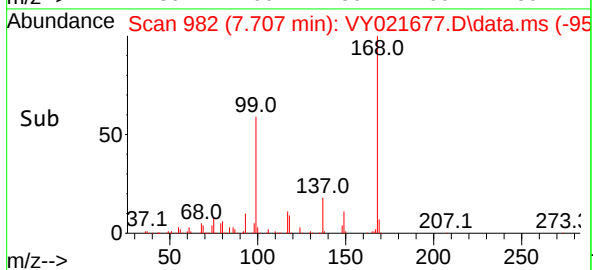
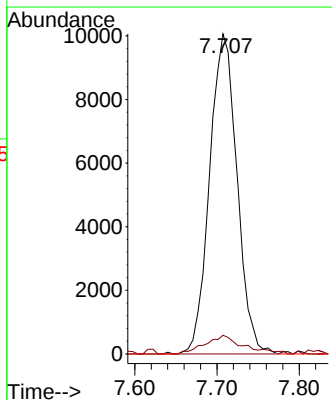
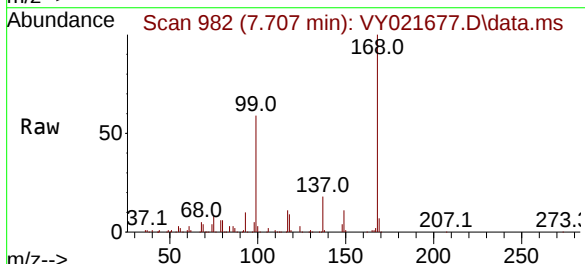
Instrument :
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ClientSampleId :
TP-3

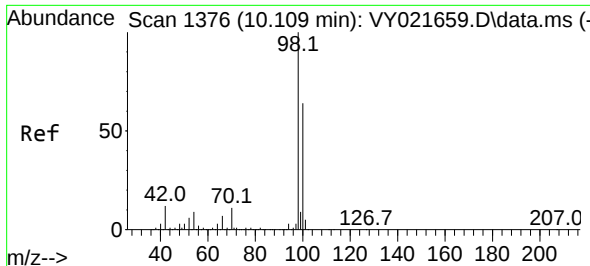
Tgt Ion: 75 Resp: 18167
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.804 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

Tgt Ion: 117 Resp: 23299
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.4#
121 0.0 24.2 36.4#

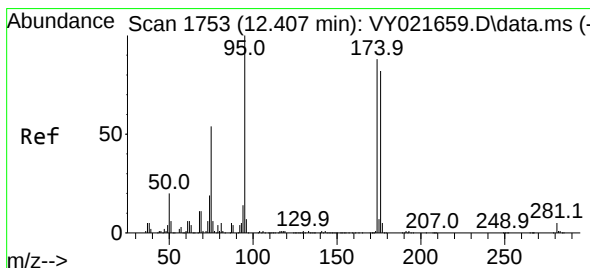
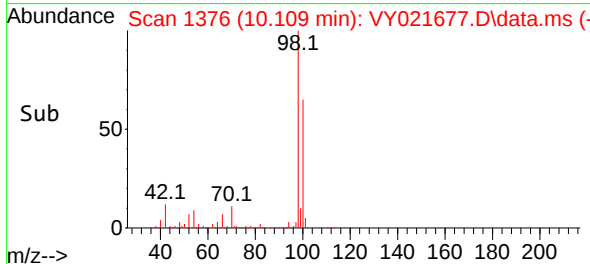
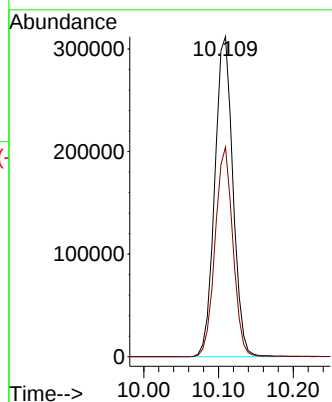
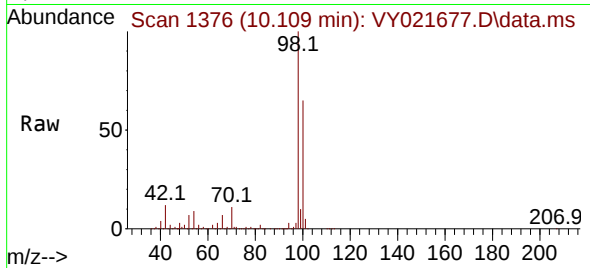




#50
Toluene-d8
Concen: 49.700 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

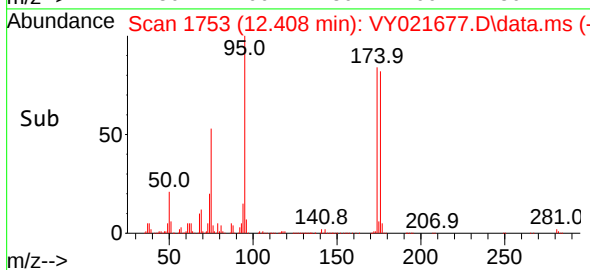
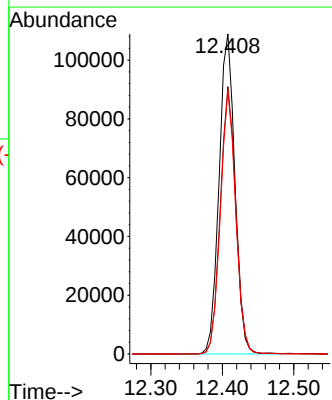
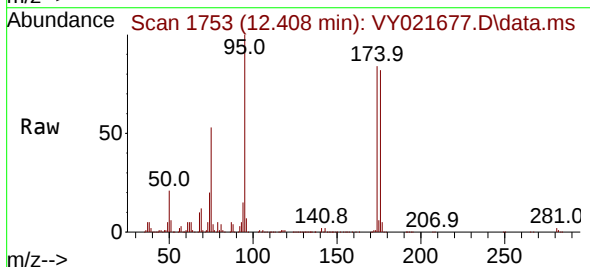
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MSVOA_Y
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TP-3

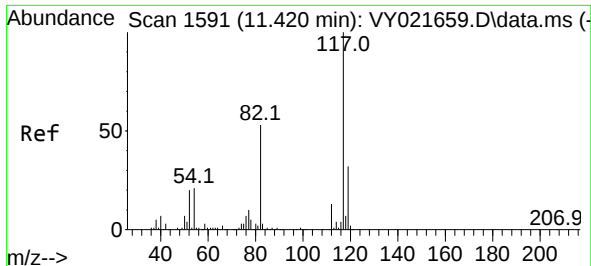
Tgt Ion: 98 Resp: 525670
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.699 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

Tgt Ion: 95 Resp: 167072
Ion Ratio Lower Upper
95 100
174 82.5 0.0 170.8
176 79.6 0.0 162.0

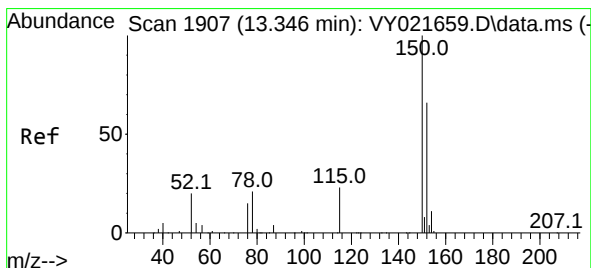
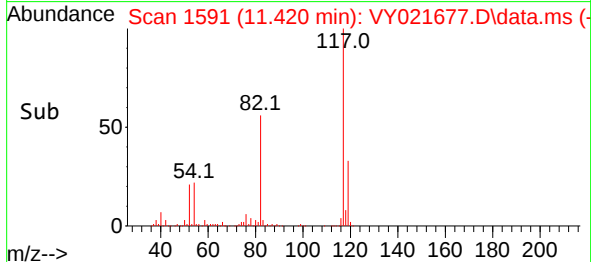
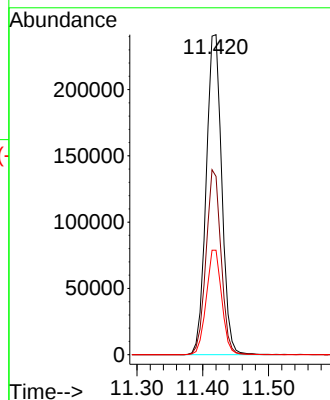
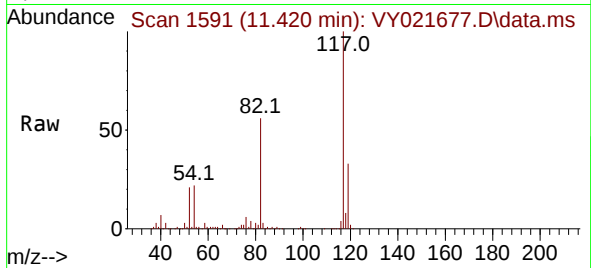




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

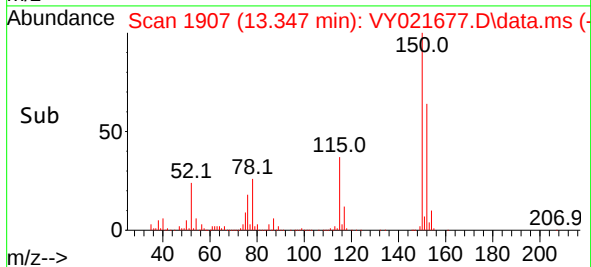
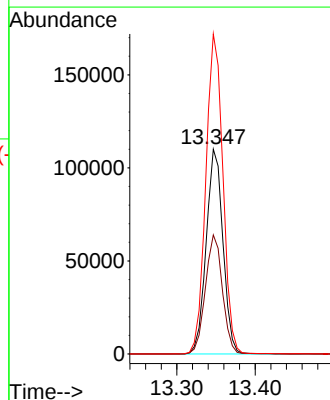
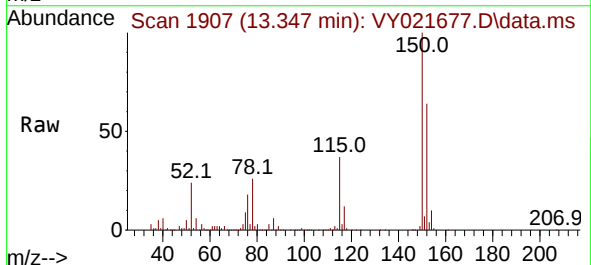
Instrument :
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ClientSampleId :
TP-3

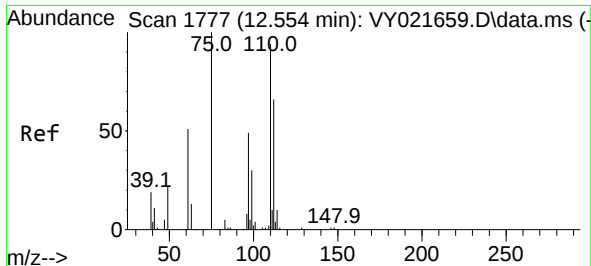
Tgt Ion:117 Resp: 397479
Ion Ratio Lower Upper
117 100
82 55.7 42.8 64.2
119 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

Tgt Ion:152 Resp: 163298
Ion Ratio Lower Upper
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115 59.3 28.8 86.5
150 159.0 0.0 348.4

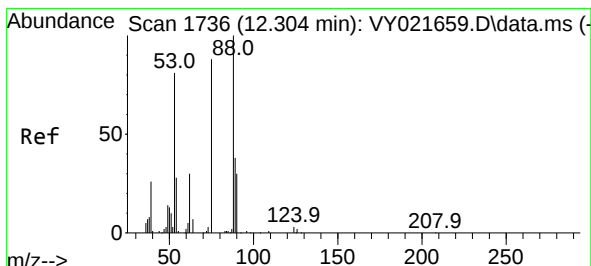
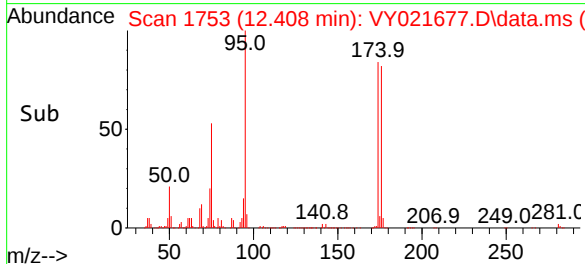
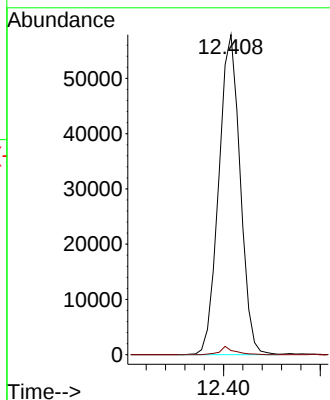
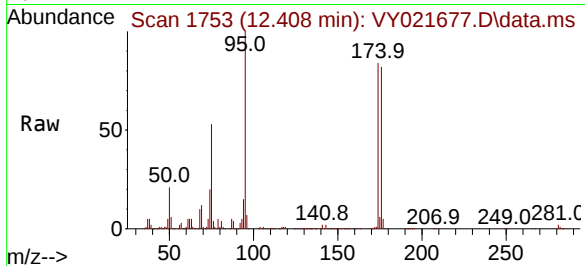




#76
1,2,3-Trichloropropane
Concen: 54.901 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 75 Resp: 88869
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.502 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021677.D
Acq: 27 Mar 2025 19:19

Tgt Ion: 75 Resp: 88869
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.1 36.2 54.4#

