

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032725\
 Data File : VY021673.D
 Acq On : 27 Mar 2025 17:45
 Operator : SY/MD
 Sample : Q1654-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3407

Quant Time: Mar 28 04:03:30 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

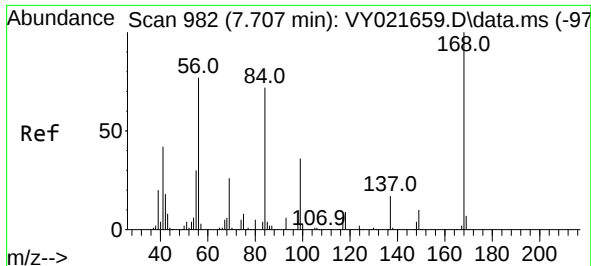
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	40920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	66889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	60330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	19907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	29139	65.724	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 131.440%		
35) Dibromofluoromethane	7.634	113	27743	63.939	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 127.880%		
50) Toluene-d8	10.109	98	79844	48.370	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 96.740%		
62) 4-Bromofluorobenzene	12.408	95	21393	38.316	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 76.640%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.611	94	790	1.717	ug/l #	70
10) Methyl Iodide	4.025	142	536	1.072	ug/l #	68
11) Tert butyl alcohol	4.842	59	383	13.300	ug/l #	70
16) Acetone	3.866	43	679	7.483	ug/l #	87
20) Methylene Chloride	4.610	84	870	Below Cal	#	67
31) Cyclohexane	7.701	56	1048	1.339	ug/l #	22
36) 1,1-Dichloropropene	7.701	75	3806	5.759	ug/l #	49
38) Carbon Tetrachloride	7.701	117	4251	5.616	ug/l #	18
51) 4-Methyl-2-Pentanone	9.993	43	330	1.073	ug/l #	36
76) 1,2,3-Trichloropropane	12.408	75	10537	53.398	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	10537	123.038	ug/l #	12

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

Quant Time: Mar 28 04:03:30 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

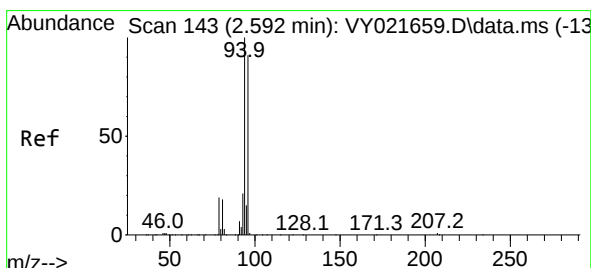
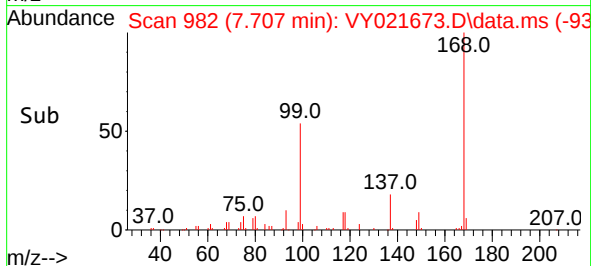
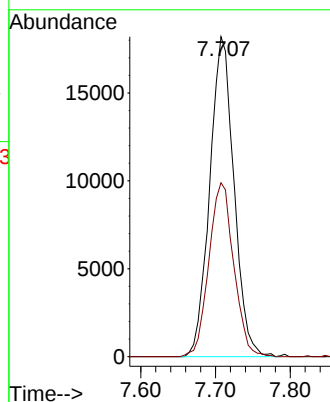
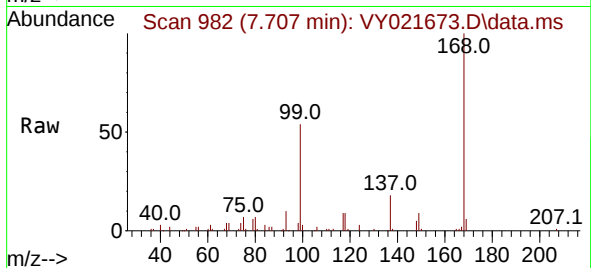




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021673.D
Acq: 27 Mar 2025 17:45

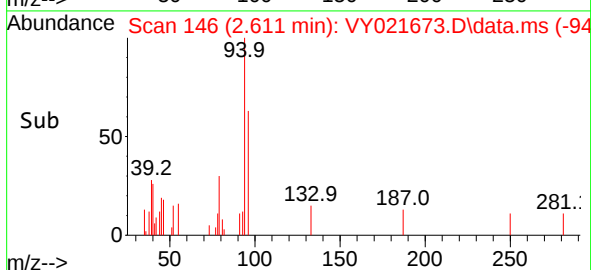
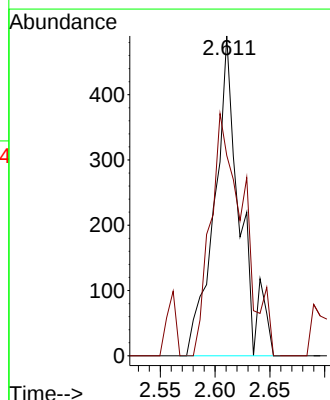
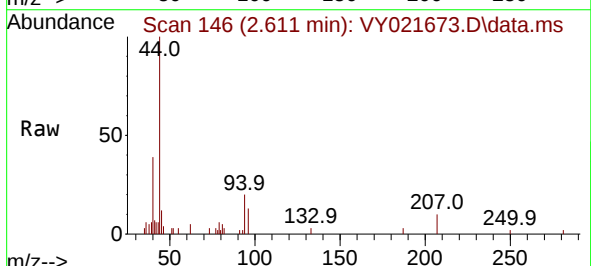
Instrument :
MSVOA_Y
ClientSampleId :
RT3407

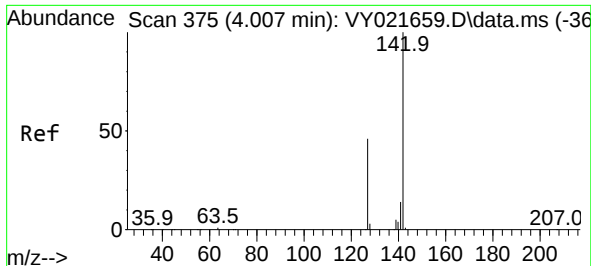
Tgt Ion:168 Resp: 40920
Ion Ratio Lower Upper
168 100
99 54.3 46.7 70.1



#5
Bromomethane
Concen: 1.717 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.018 min
Lab File: VY021673.D
Acq: 27 Mar 2025 17:45

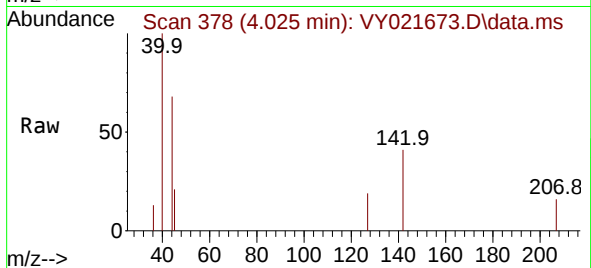
Tgt Ion: 94 Resp: 790
Ion Ratio Lower Upper
94 100
96 62.7 72.8 109.2#



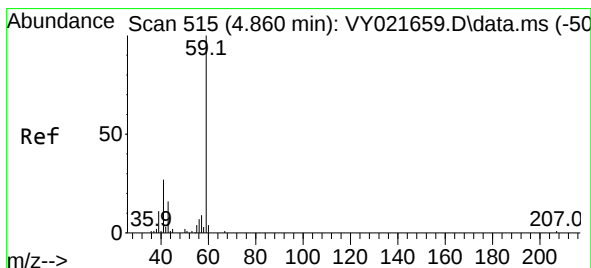
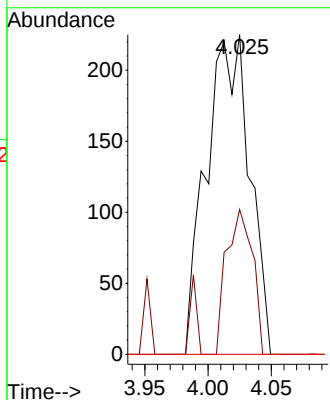
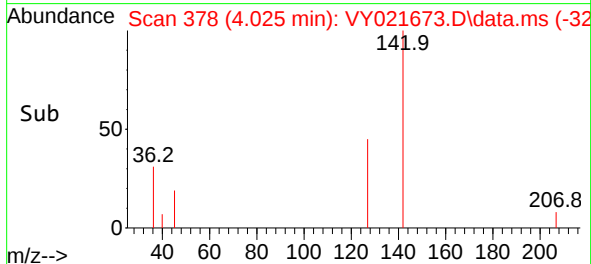


#10
Methyl Iodide
Concen: 1.072 ug/l
RT: 4.025 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY021673.D
Acq: 27 Mar 2025 17:45

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

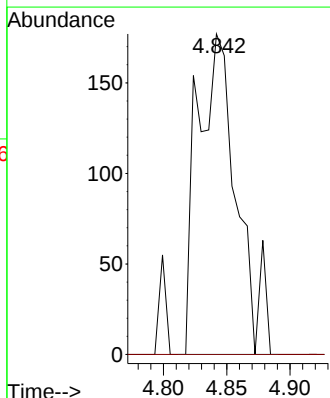
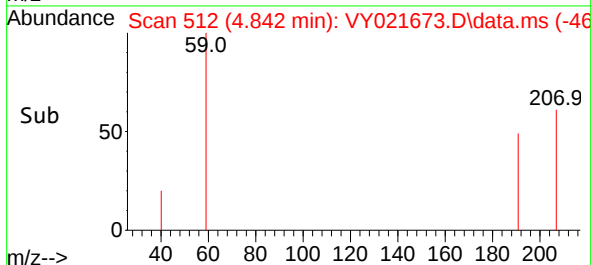
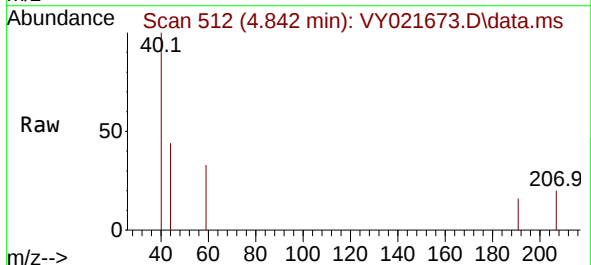


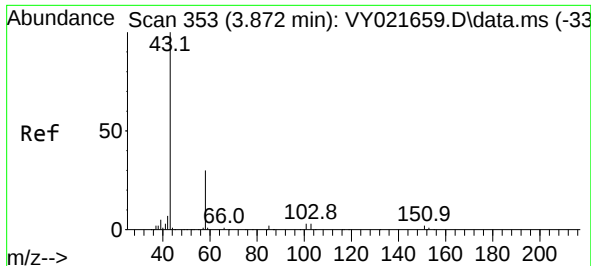
Tgt Ion:142 Resp: 536
Ion Ratio Lower Upper
142 100
127 27.2 38.7 58.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 13.300 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY021673.D
Acq: 27 Mar 2025 17:45

Tgt Ion: 59 Resp: 383
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

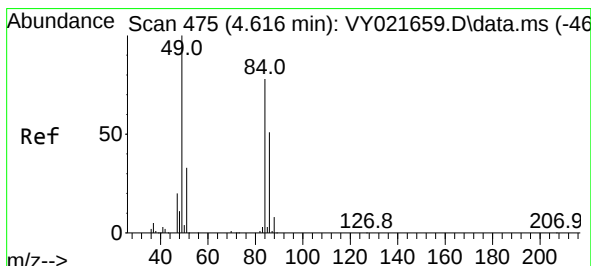
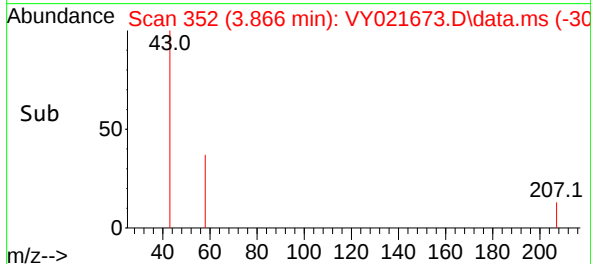
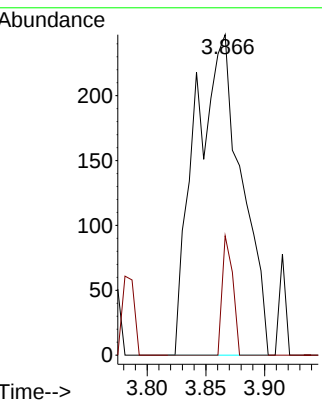
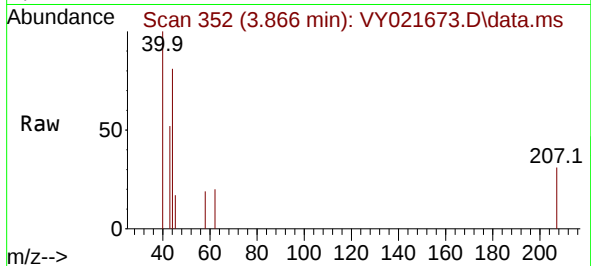




#16
Acetone
Concen: 7.483 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021673.D
Acq: 27 Mar 2025 17:45

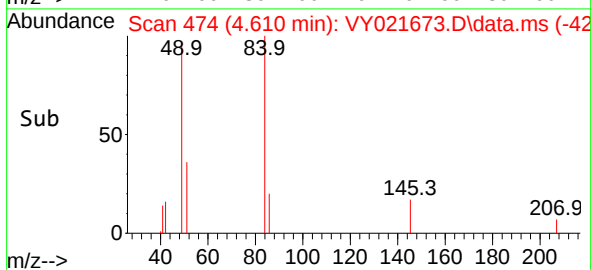
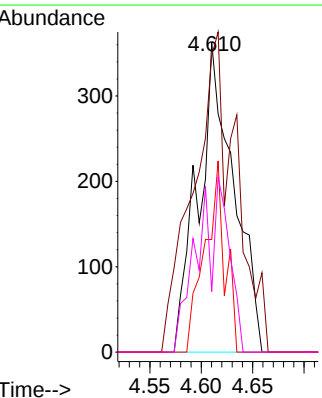
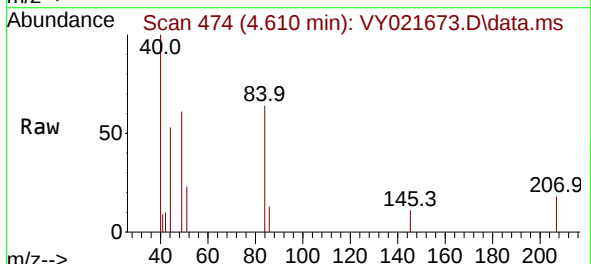
Instrument :
MSVOA_Y
ClientSampleId :
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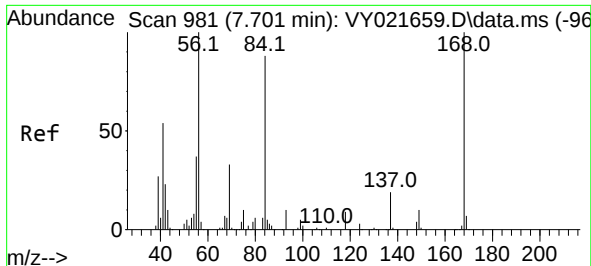
Tgt Ion: 43 Resp: 679
Ion Ratio Lower Upper
43 100
58 37.2 24.2 36.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021673.D
Acq: 27 Mar 2025 17:45

Tgt Ion: 84 Resp: 870
Ion Ratio Lower Upper
84 100
49 95.6 102.8 154.2#
51 36.4 33.5 50.3
86 19.6 52.0 78.0#

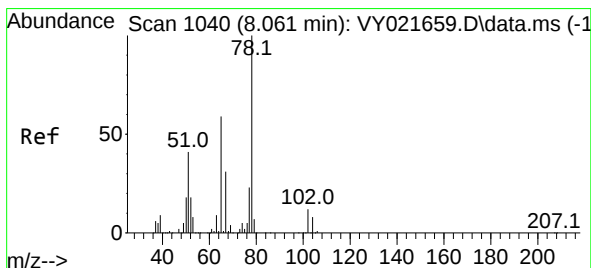
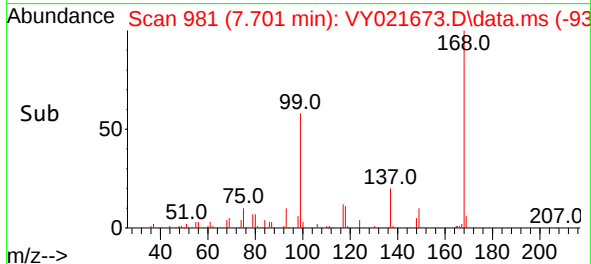
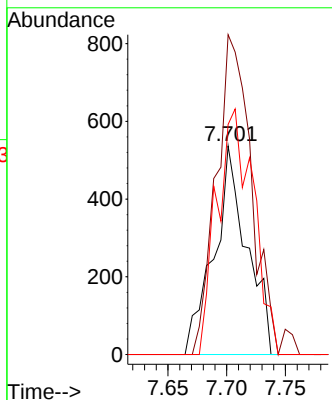
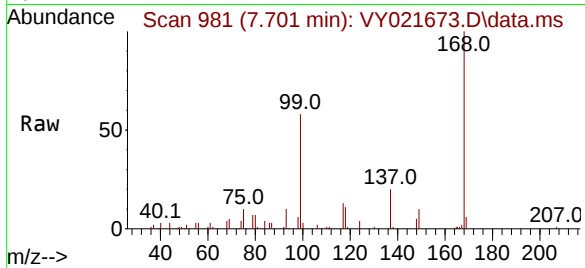




#31
Cyclohexane
Concen: 1.339 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021673.D
Acq: 27 Mar 2025 17:45

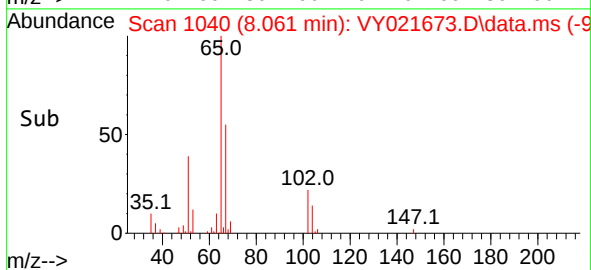
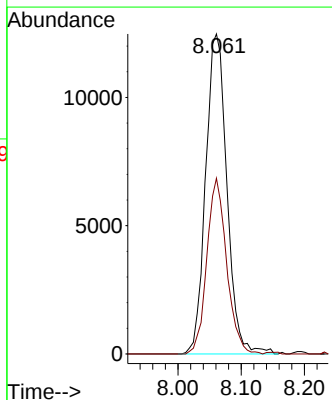
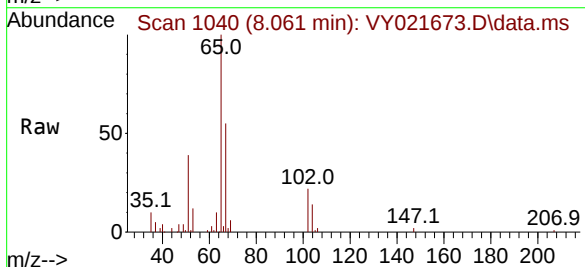
Instrument :
MSVOA_Y
ClientSampleId :
RT3407

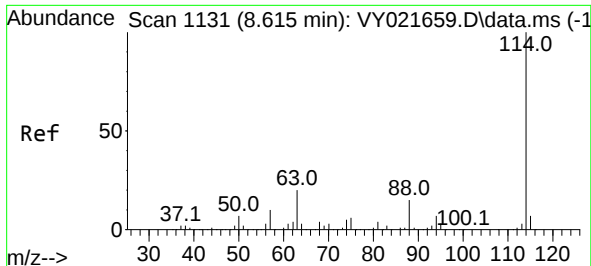
Tgt Ion: 56 Resp: 1048
Ion Ratio Lower Upper
56 100
69 153.3 26.6 40.0#
84 110.2 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 65.724 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021673.D
Acq: 27 Mar 2025 17:45

Tgt Ion: 65 Resp: 29139
Ion Ratio Lower Upper
65 100
67 51.1 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: VY021673.D

Acq: 27 Mar 2025 17:45

Instrument :

MSVOA_Y

ClientSampleId :

RT3407

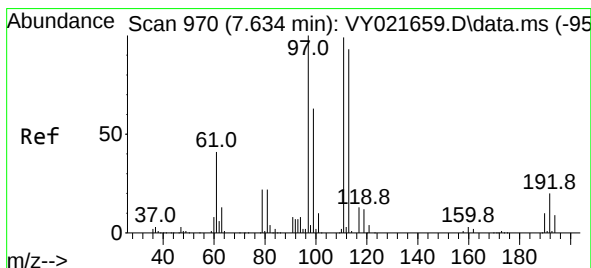
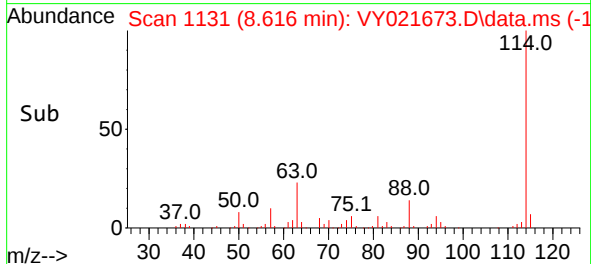
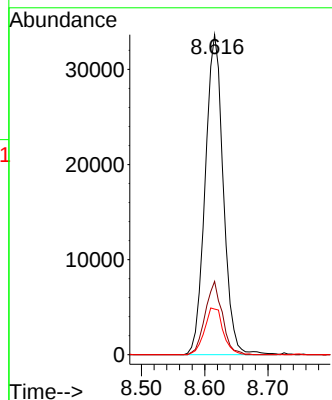
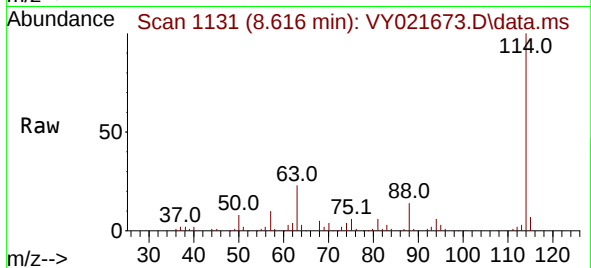
Tgt Ion:114 Resp: 66889

Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.2

88 14.3 0.0 29.8



#35

Dibromofluoromethane

Concen: 63.939 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021673.D

Acq: 27 Mar 2025 17:45

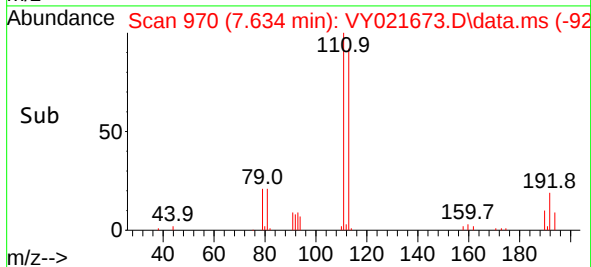
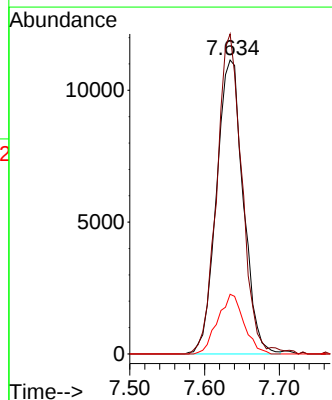
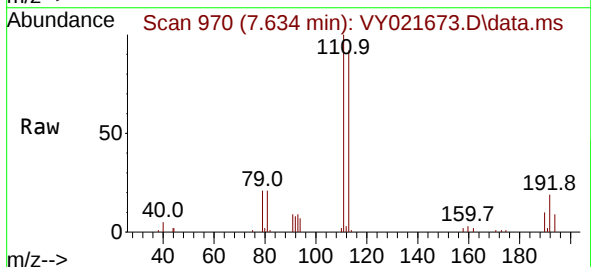
Tgt Ion:113 Resp: 27743

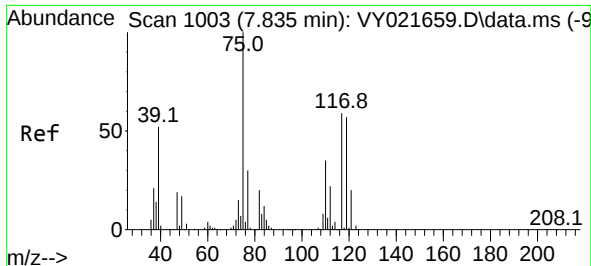
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 19.9 16.2 24.4

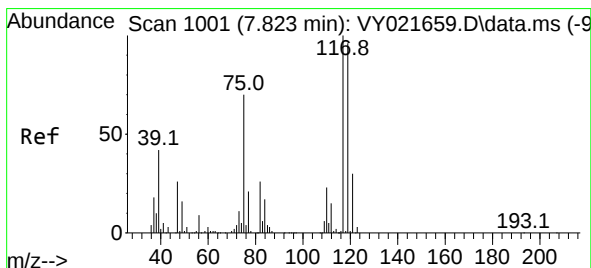
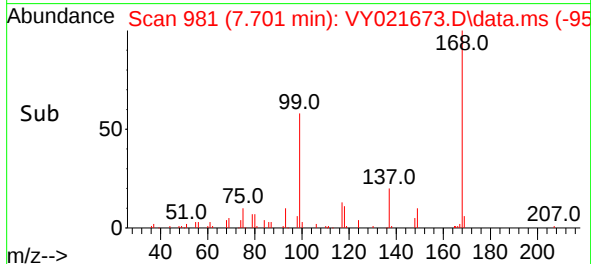
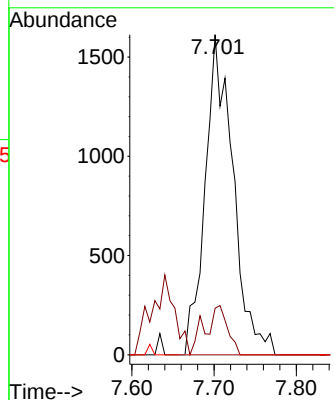
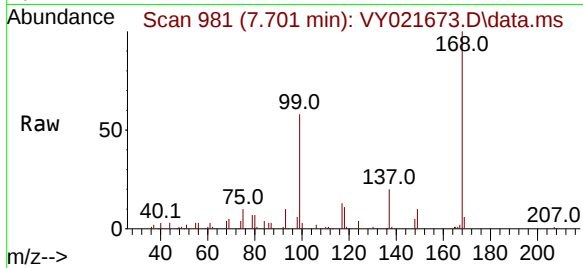




#36
 1,1-Dichloropropene
 Concen: 5.759 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.134 min
 Lab File: VY021673.D
 Acq: 27 Mar 2025 17:45

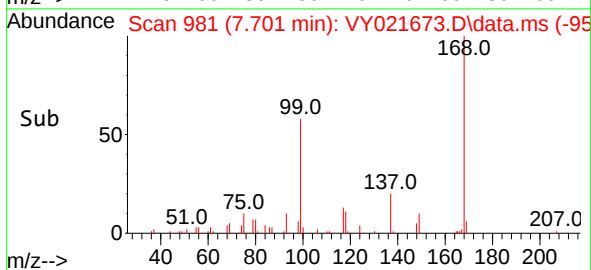
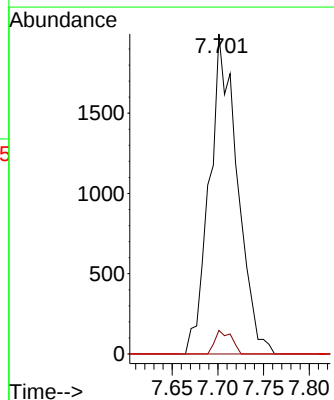
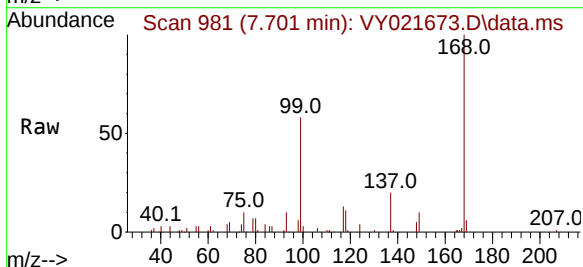
Instrument :
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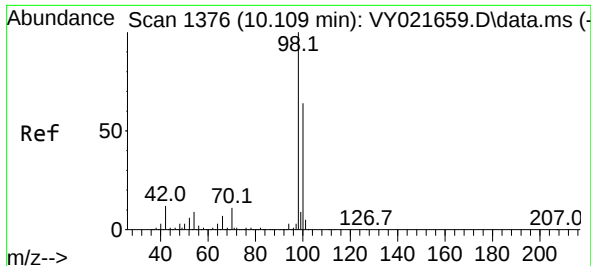
Tgt Ion: 75 Resp: 3806
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.0 50.9#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.616 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.122 min
 Lab File: VY021673.D
 Acq: 27 Mar 2025 17:45

Tgt Ion: 117 Resp: 4251
 Ion Ratio Lower Upper
 117 100
 119 7.3 76.2 114.4#
 121 0.0 24.2 36.4#

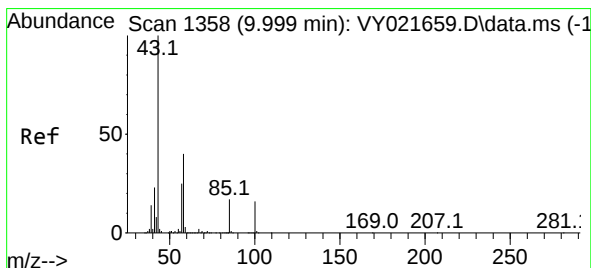
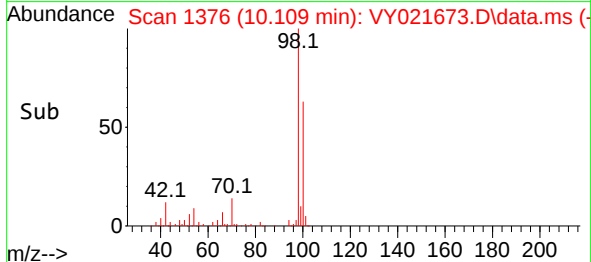
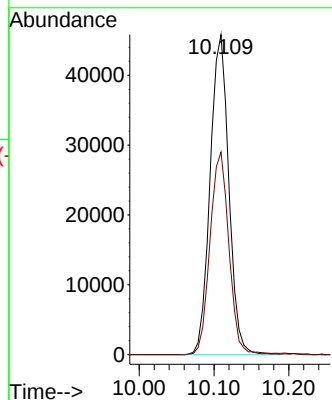
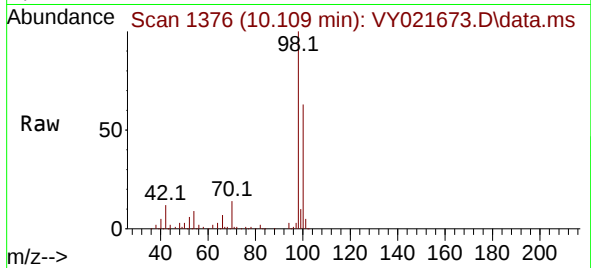




#50
Toluene-d8
Concen: 48.370 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021673.D
Acq: 27 Mar 2025 17:45

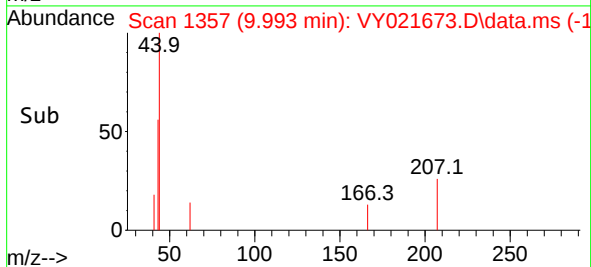
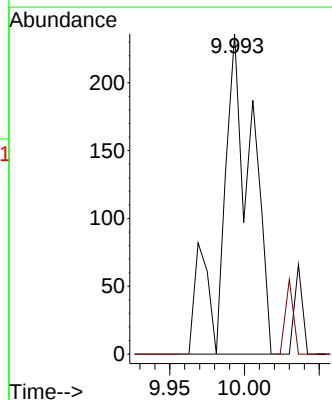
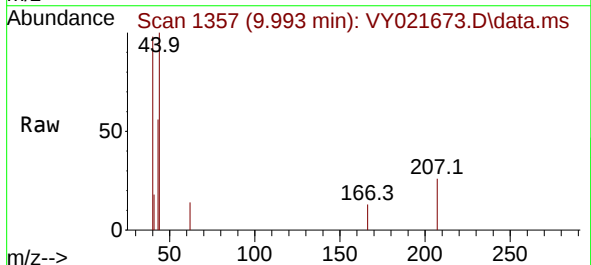
Instrument :
MSVOA_Y
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RT3407

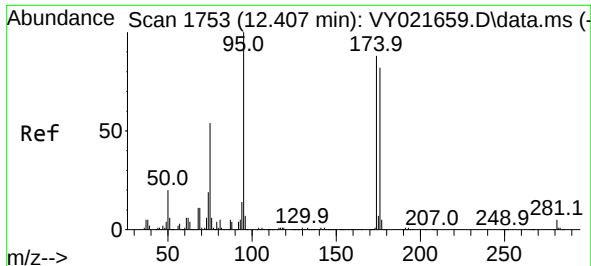
Tgt Ion: 98 Resp: 79844
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.073 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. -0.006 min
Lab File: VY021673.D
Acq: 27 Mar 2025 17:45

Tgt Ion: 43 Resp: 330
Ion Ratio Lower Upper
43 100
58 0.0 31.5 47.3#

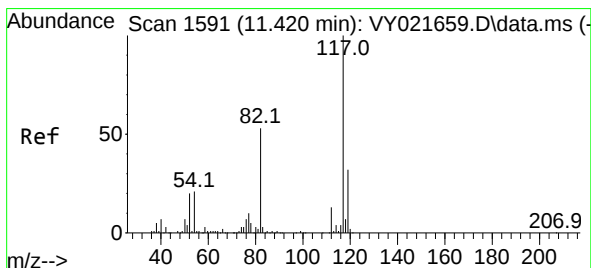
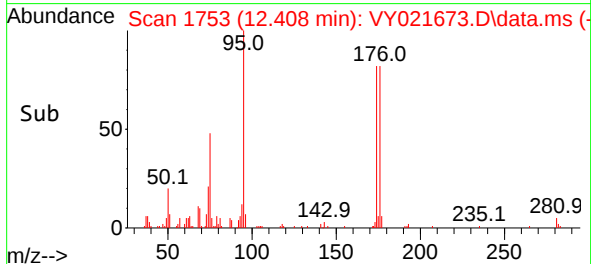
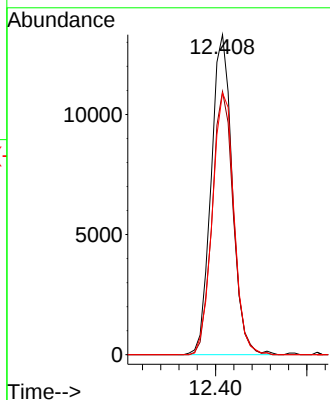
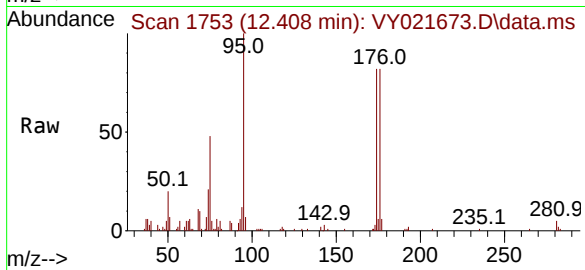




#62
4-Bromofluorobenzene
Concen: 38.316 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021673.D
Acq: 27 Mar 2025 17:45

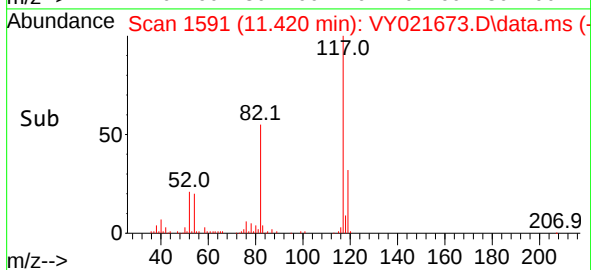
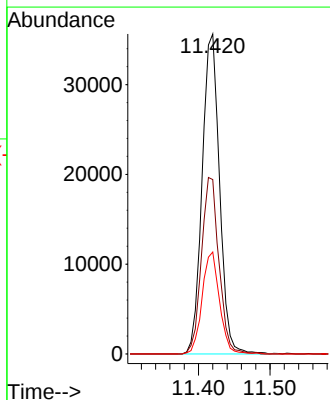
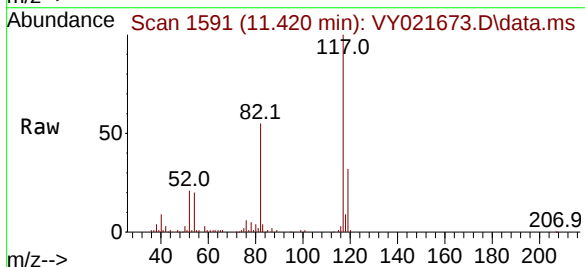
Instrument :
MSVOA_Y
ClientSampleId :
RT3407

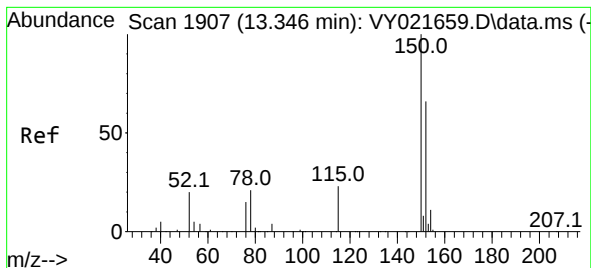
Tgt Ion:	95	Resp:	21393
Ion Ratio	Lower	Upper	
95	100		
174	82.4	0.0	170.8
176	83.7	0.0	162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021673.D
Acq: 27 Mar 2025 17:45

Tgt Ion:	117	Resp:	60330
Ion Ratio	Lower	Upper	
117	100		
82	54.5	42.8	64.2
119	31.9	25.7	38.5

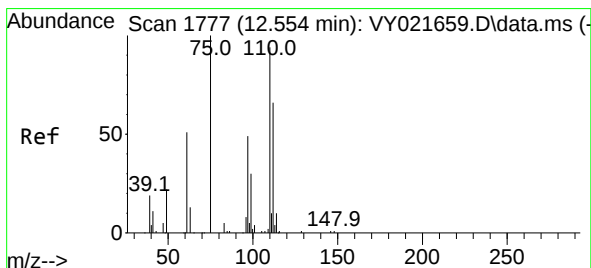
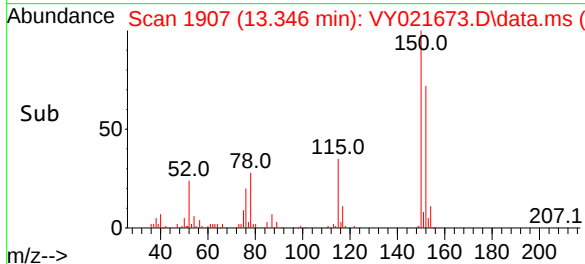
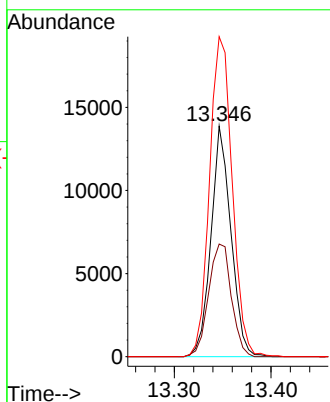
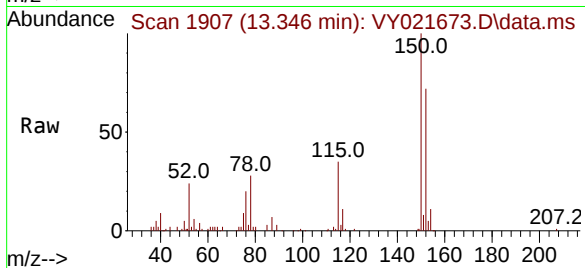




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021673.D
 Acq: 27 Mar 2025 17:45

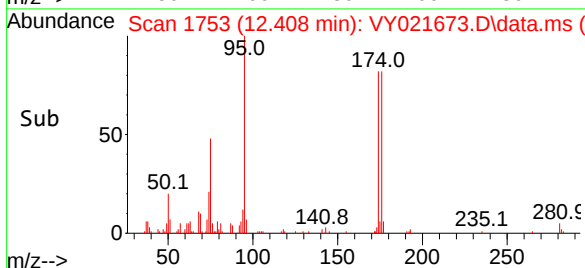
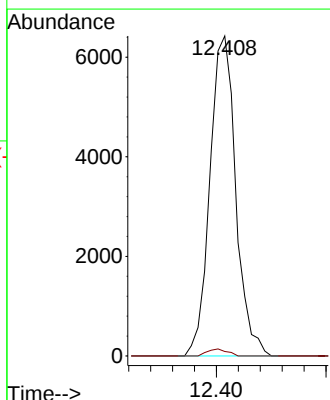
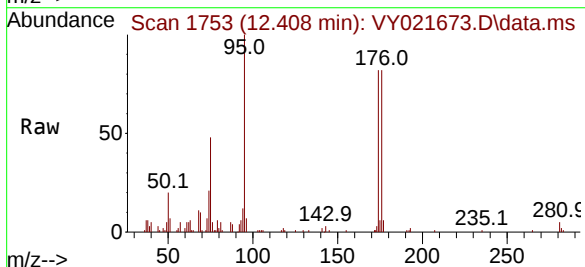
Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3407

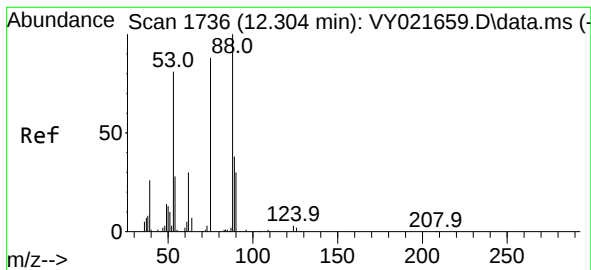
Tgt Ion:152 Resp: 19907
 Ion Ratio Lower Upper
 152 100
 115 55.7 28.8 86.5
 150 157.4 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 53.398 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021673.D
 Acq: 27 Mar 2025 17:45

Tgt Ion: 75 Resp: 10537
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.038 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021673.D
 Acq: 27 Mar 2025 17:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3407

Tgt Ion: 75 Resp: 10537
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.0 36.2 54.4#

