

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021725.D
 Acq On : 31 Mar 2025 17:22
 Operator : SY/MD
 Sample : Q1675-11
 Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T5

Quant Time: Apr 01 05:40:02 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)

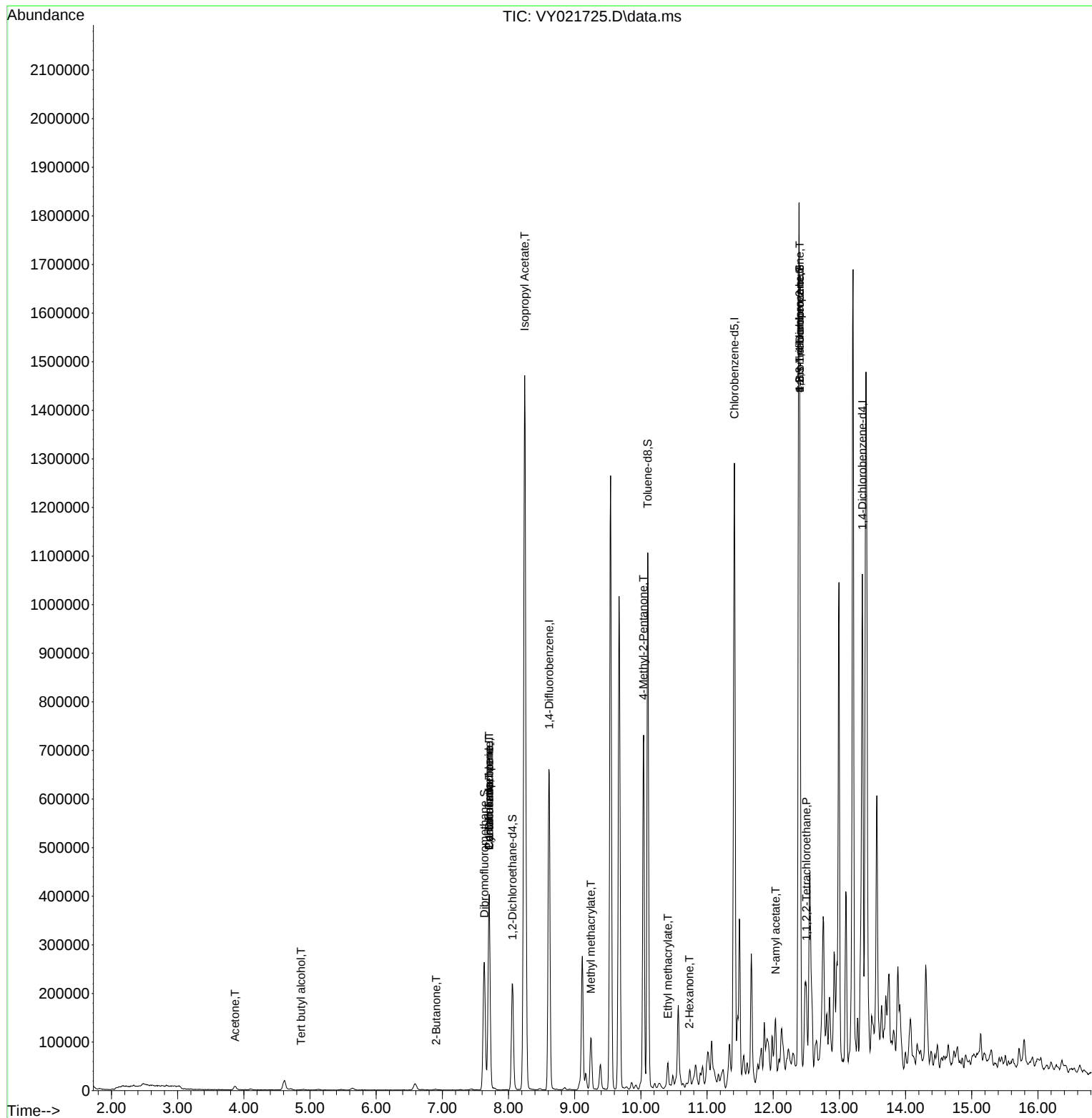
Internal Standards						
1) Pentafluorobenzene	7.707	168	300228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	564649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	539474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	244186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174552	53.661	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.320%	
35) Dibromofluoromethane	7.634	113	184812	50.457	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.920%	
50) Toluene-d8	10.103	98	704549	50.562	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.120%	
62) 4-Bromofluorobenzene	12.401	95	257657	54.667	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	316	1.496	ug/l #	70
16) Acetone	3.866	43	12838	19.284	ug/l	98
25) 2-Butanone	6.909	43	1961	2.062	ug/l #	83
31) Cyclohexane	7.707	56	6993	1.218	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	24033	4.308	ug/l #	50
38) Carbon Tetrachloride	7.707	117	30371	4.753	ug/l #	17
43) Isopropyl Acetate	8.244	43	275047	55.123	ug/l #	61
48) Methyl methacrylate	9.243	41	26480	11.563	ug/l #	33
51) 4-Methyl-2-Pentanone	10.036	43	81818	31.510	ug/l #	80
56) Ethyl methacrylate	10.408	69	14290	3.815	ug/l #	88
59) 2-Hexanone	10.731	43	11947	6.909	ug/l #	33
74) N-amyl acetate	12.036	43	22807	5.358	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.499	83	4704	1.443	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	135499	55.979	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	135499	128.986	ug/l #	22

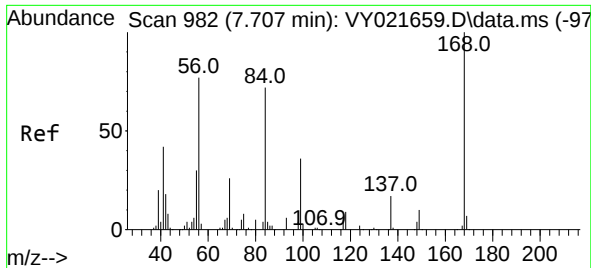
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

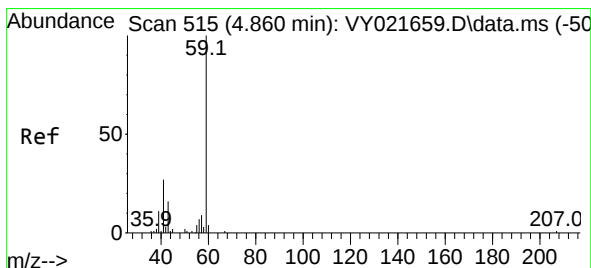
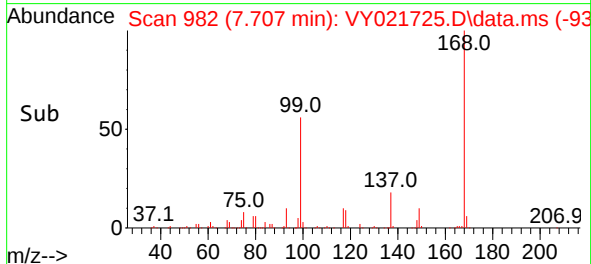
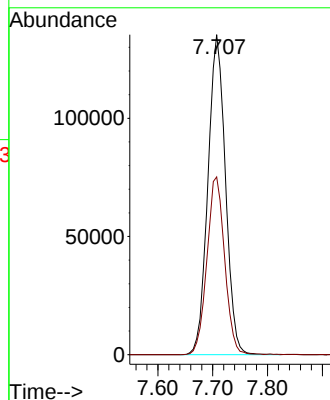
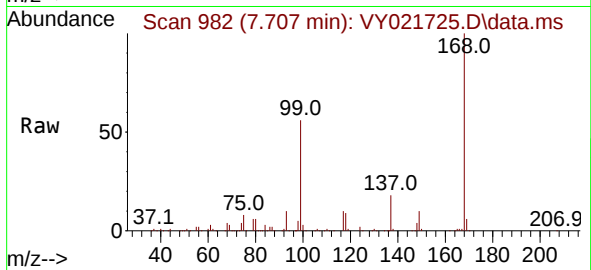




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

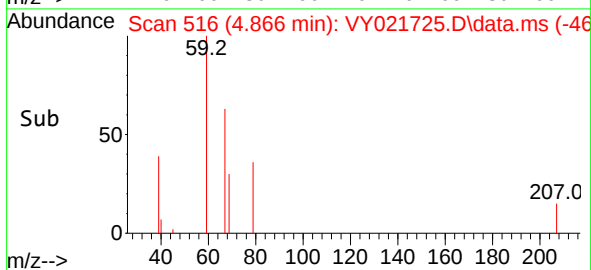
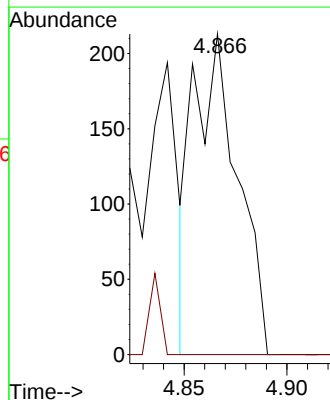
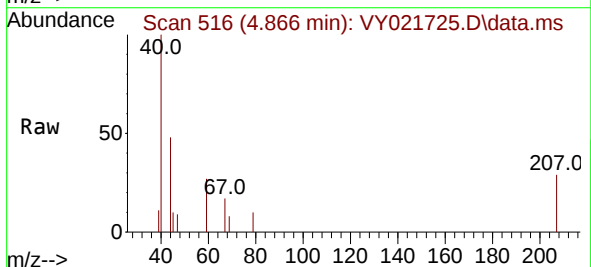
Instrument :
MSVOA_Y
ClientSampleId :
T5

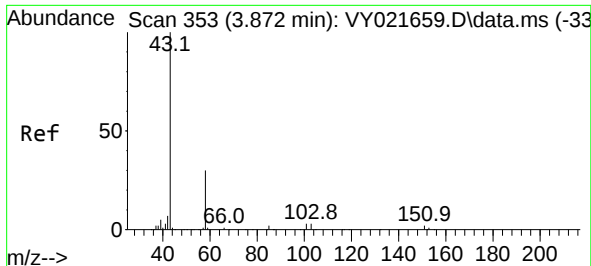
Tgt Ion:168 Resp: 300228
Ion Ratio Lower Upper
168 100
99 55.5 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.496 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion: 59 Resp: 316
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 19.284 ug/l

RT: 3.866 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY021725.D

Acq: 31 Mar 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

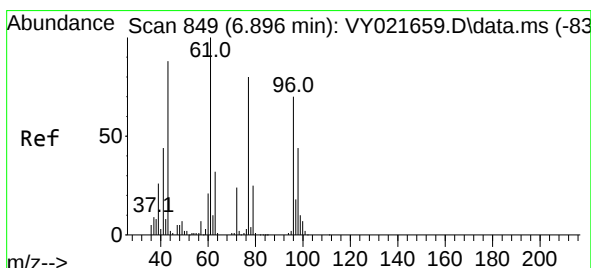
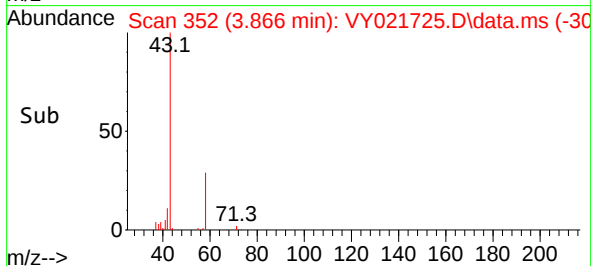
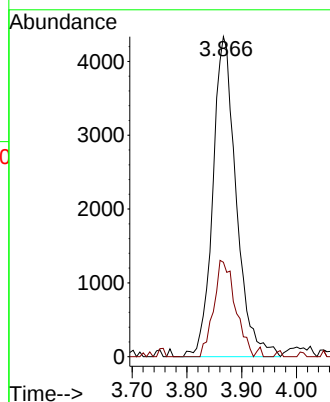
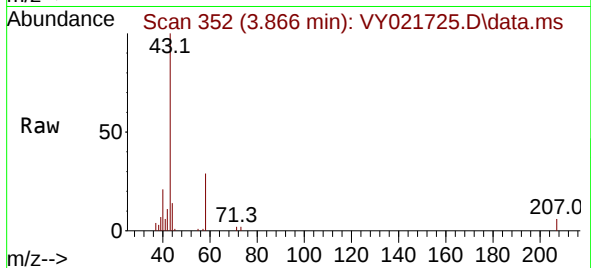
T5

Tgt Ion: 43 Resp: 12838

Ion Ratio Lower Upper

43 100

58 29.5 24.2 36.4



#25

2-Butanone

Concen: 2.062 ug/l

RT: 6.909 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY021725.D

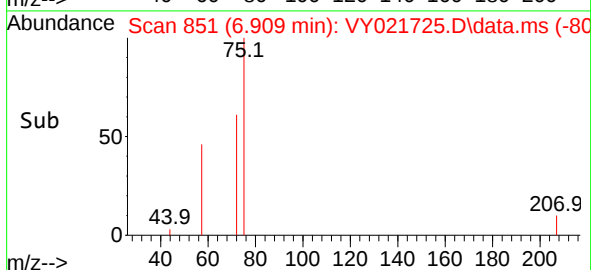
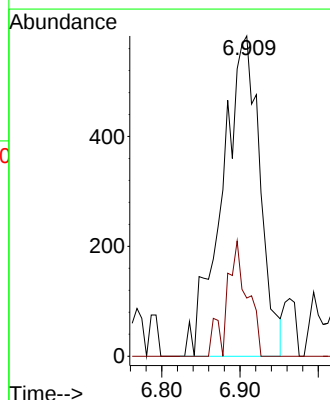
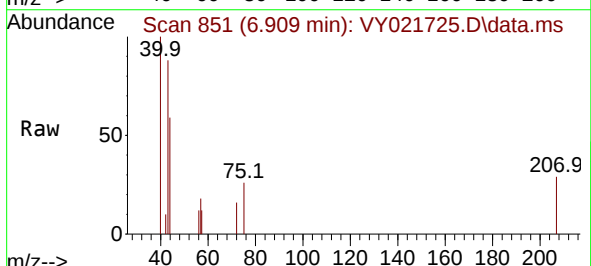
Acq: 31 Mar 2025 17:22

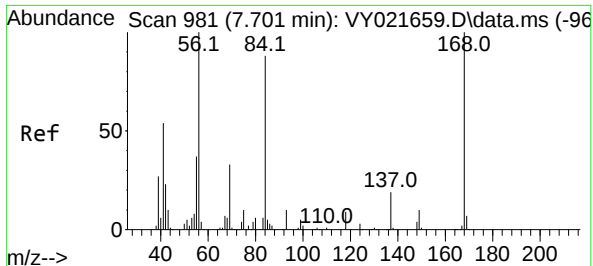
Tgt Ion: 43 Resp: 1961

Ion Ratio Lower Upper

43 100

72 18.2 21.4 32.2#

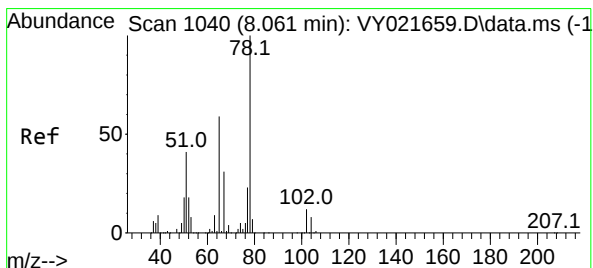
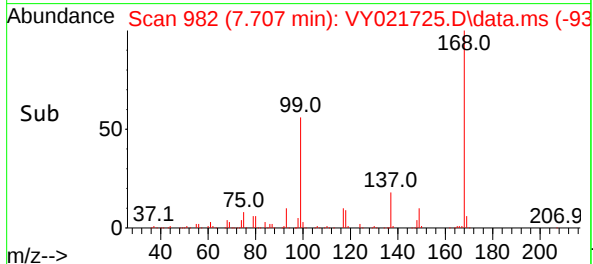
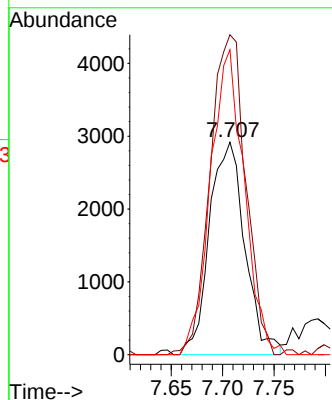
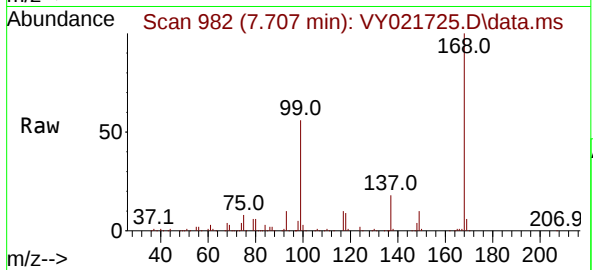




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

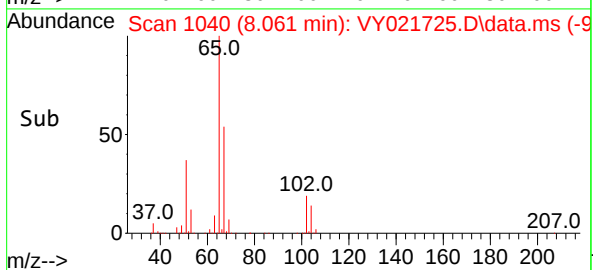
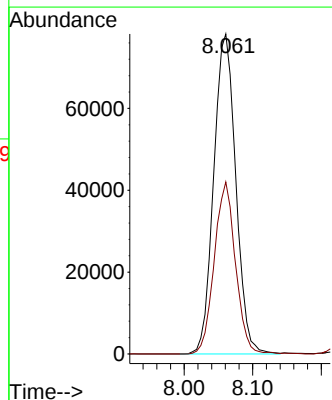
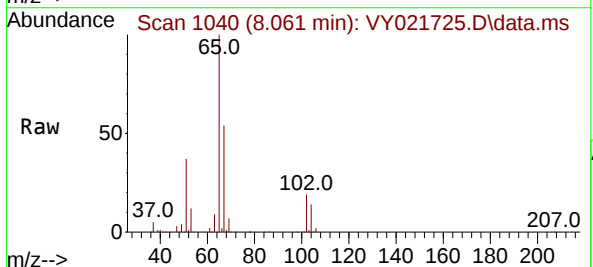
Instrument :
MSVOA_Y
ClientSampleId :
T5

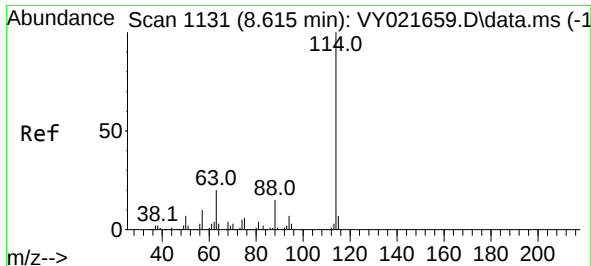
Tgt Ion: 56 Resp: 6993
Ion Ratio Lower Upper
56 100
69 150.6 26.6 40.0#
84 143.5 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 53.661 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion: 65 Resp: 174552
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.6

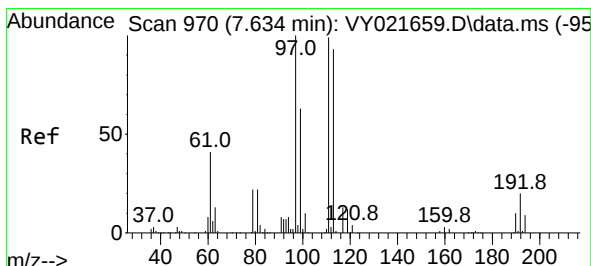
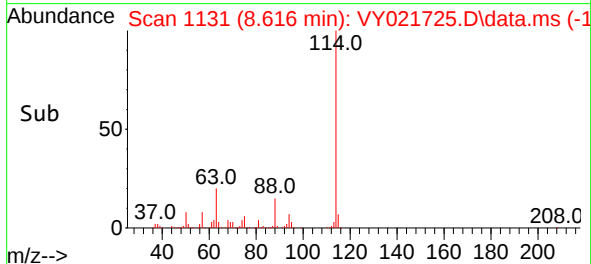
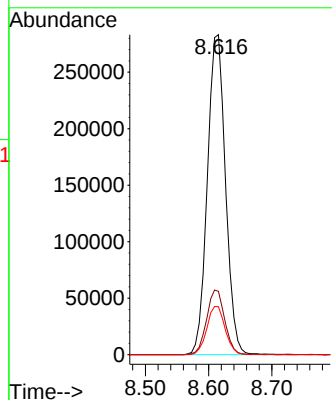
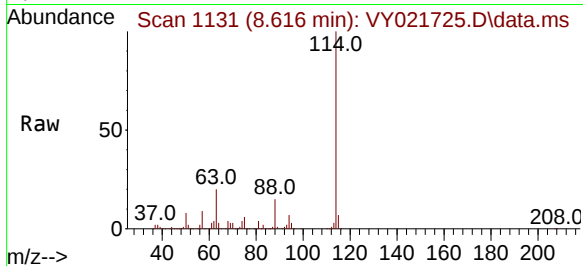




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

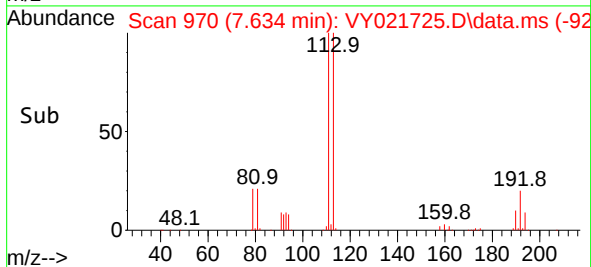
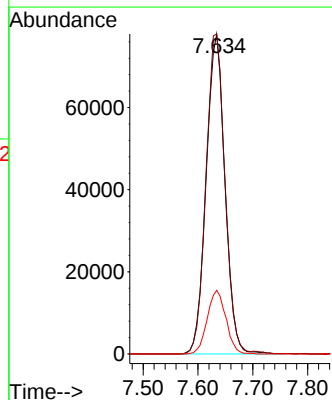
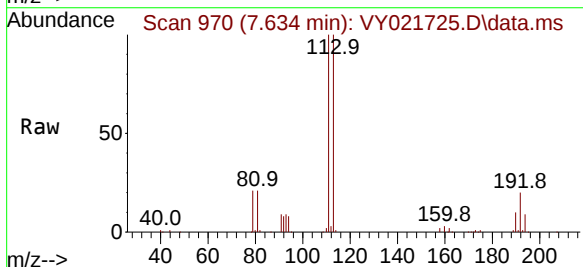
Instrument :
MSVOA_Y
ClientSampleId :
T5

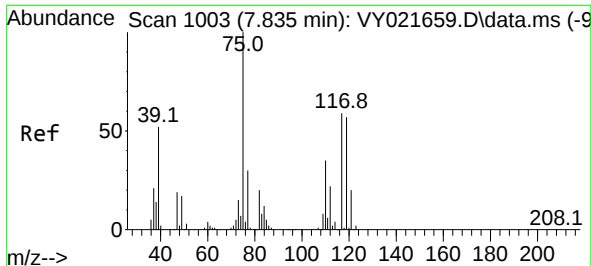
Tgt Ion:114 Resp: 564649
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.2
88 15.0 0.0 29.8



#35
Dibromofluoromethane
Concen: 50.457 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion:113 Resp: 184812
Ion Ratio Lower Upper
113 100
111 101.4 82.6 123.8
192 19.8 16.2 24.4

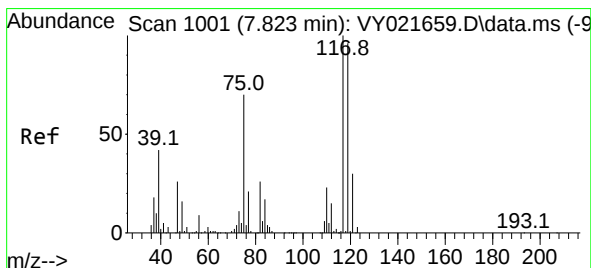
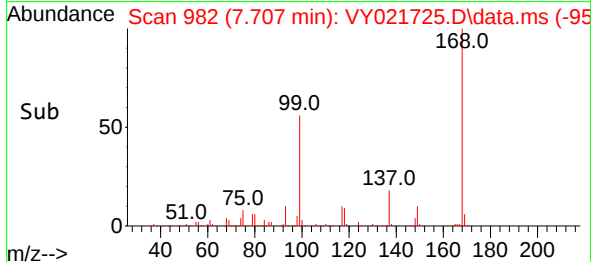
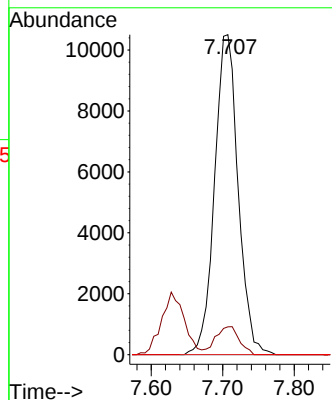
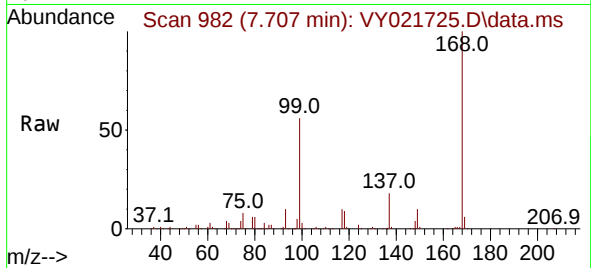




#36
1,1-Dichloropropene
Concen: 4.308 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

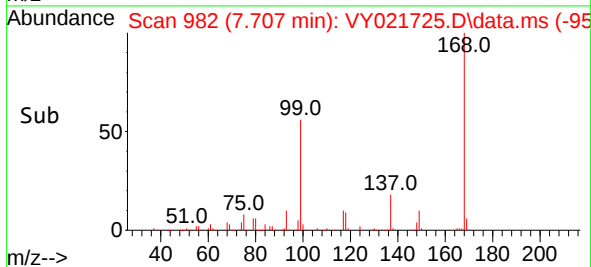
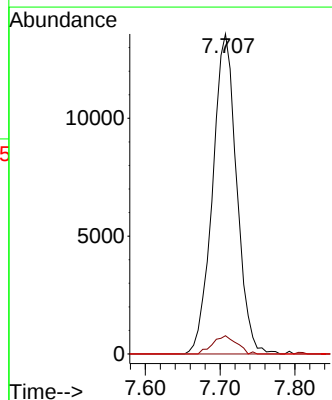
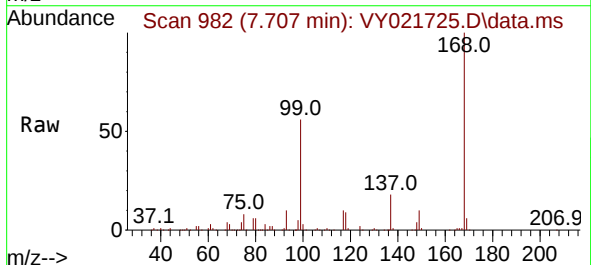
Instrument :
MSVOA_Y
ClientSampleId :
T5

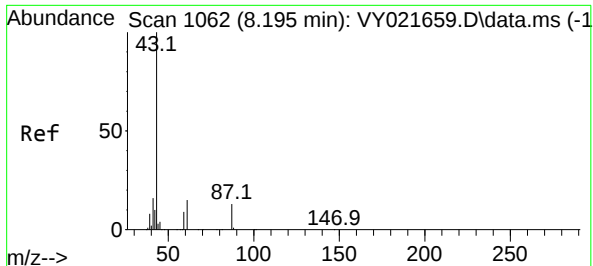
Tgt Ion: 75 Resp: 24033
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.753 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion: 117 Resp: 30371
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.4#
121 0.0 24.2 36.4#





#43

Isopropyl Acetate

Concen: 55.123 ug/l

RT: 8.244 min Scan# 1062

Delta R.T. 0.049 min

Lab File: VY021725.D

Acq: 31 Mar 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

T5

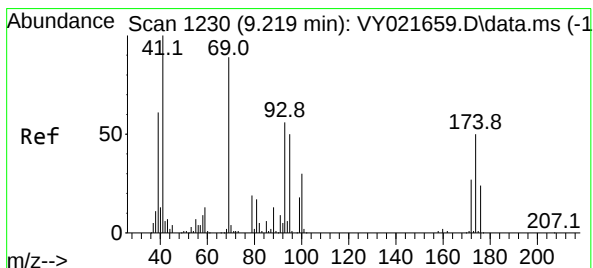
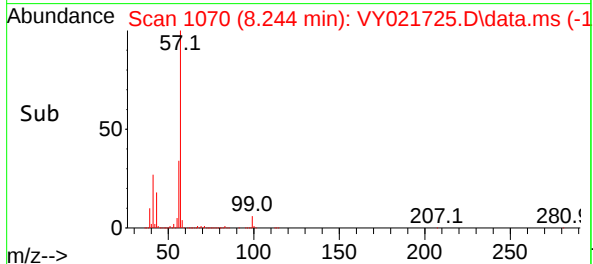
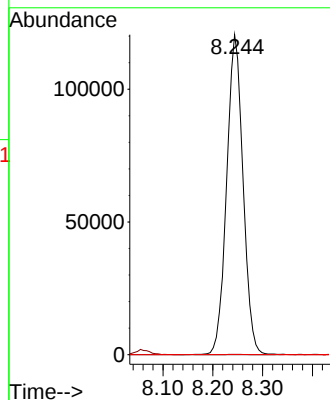
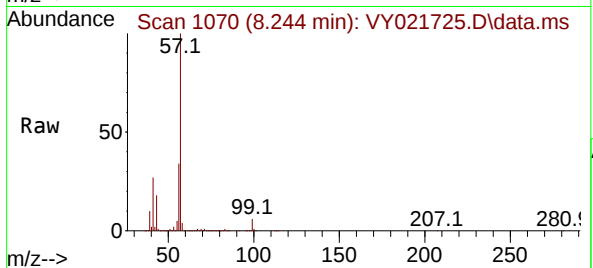
Tgt Ion: 43 Resp: 275047

Ion Ratio Lower Upper

43 100

61 0.1 15.9 23.9#

87 0.0 10.4 15.6#



#48

Methyl methacrylate

Concen: 11.563 ug/l

RT: 9.243 min Scan# 1234

Delta R.T. 0.024 min

Lab File: VY021725.D

Acq: 31 Mar 2025 17:22

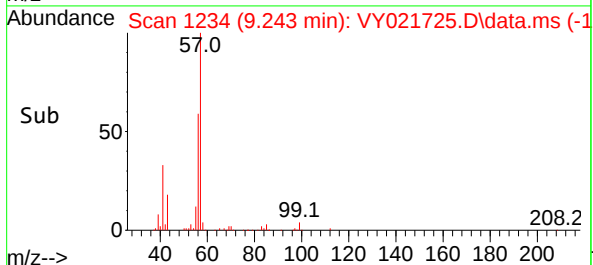
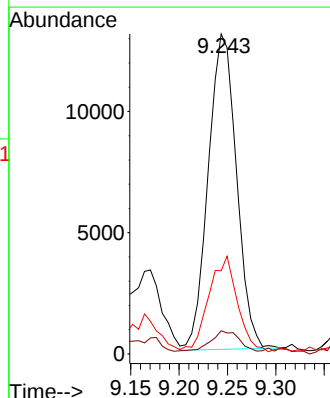
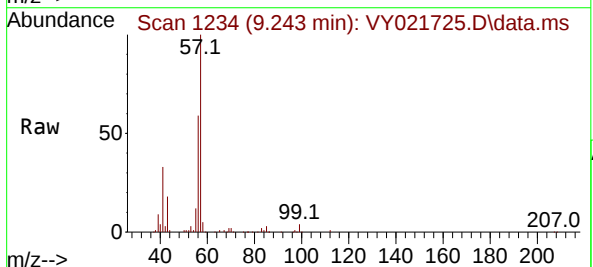
Tgt Ion: 41 Resp: 26480

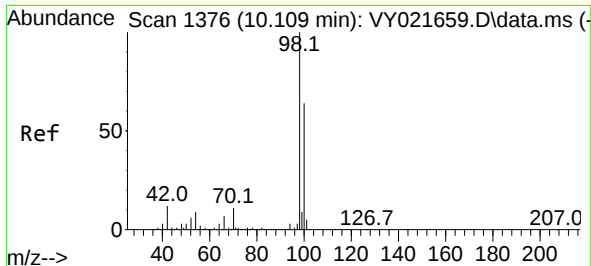
Ion Ratio Lower Upper

41 100

69 6.2 69.8 104.8#

39 30.8 47.2 70.8#

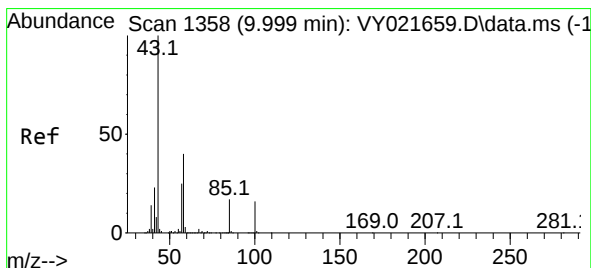
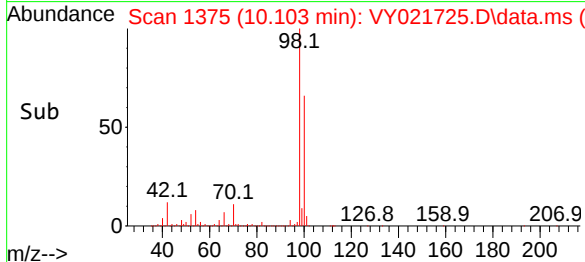
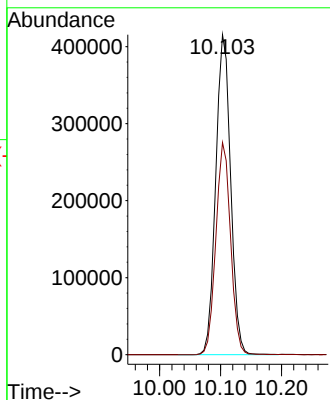
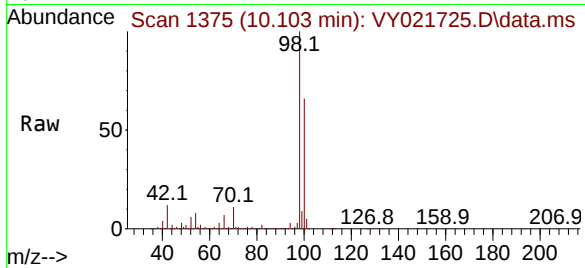




#50
Toluene-d8
Concen: 50.562 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

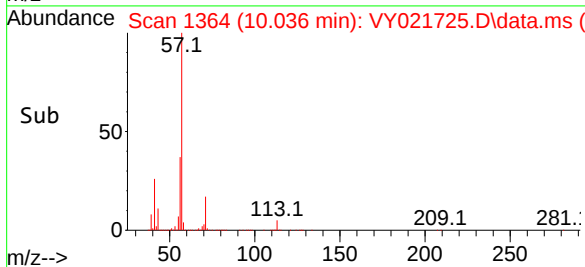
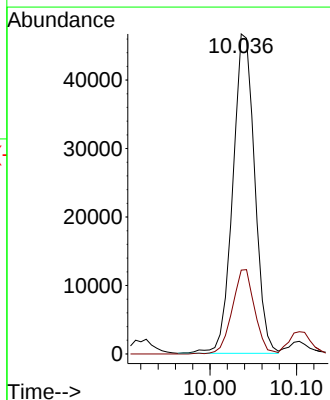
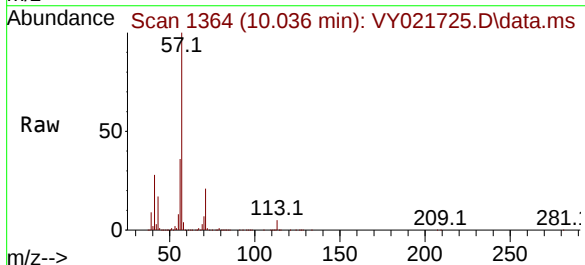
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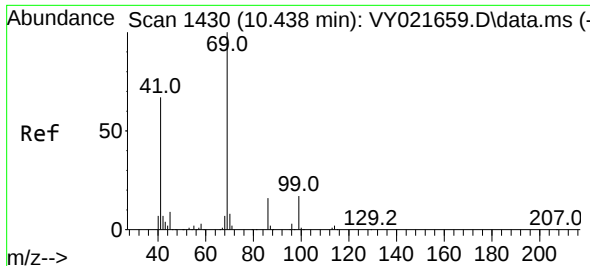
Tgt Ion: 98 Resp: 704549
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 31.510 ug/l
RT: 10.036 min Scan# 1364
Delta R.T. 0.037 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion: 43 Resp: 81818
Ion Ratio Lower Upper
43 100
58 27.1 31.5 47.3#

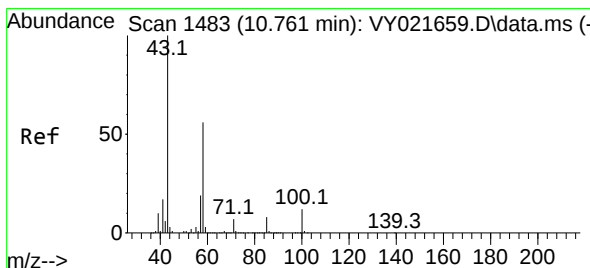
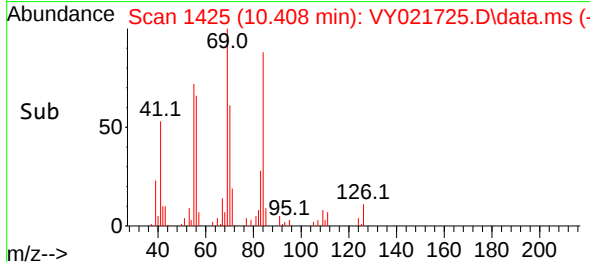
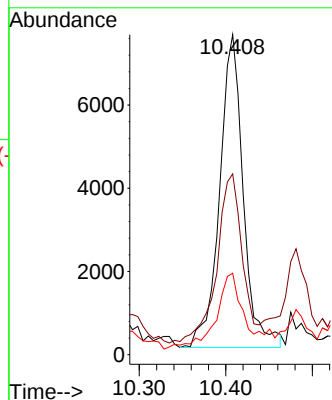
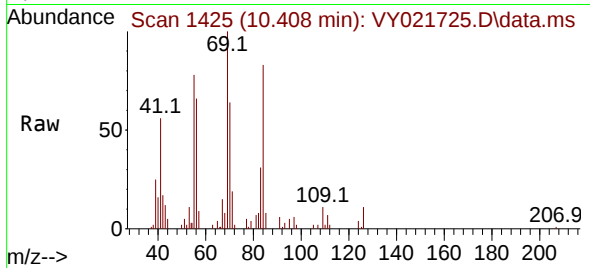




#56
Ethyl methacrylate
Concen: 3.815 ug/l
RT: 10.408 min Scan# 1425
Delta R.T. -0.030 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

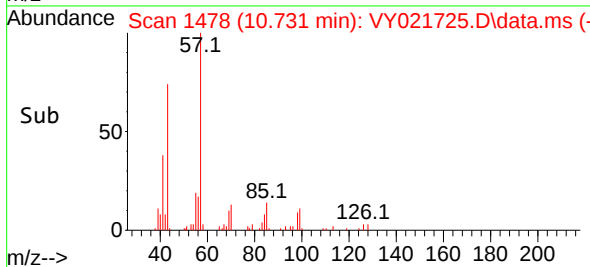
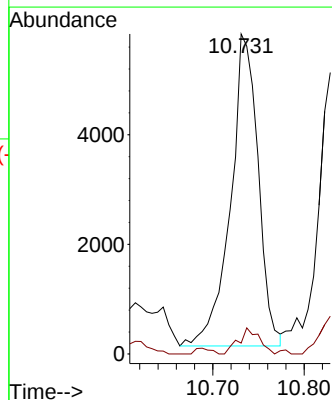
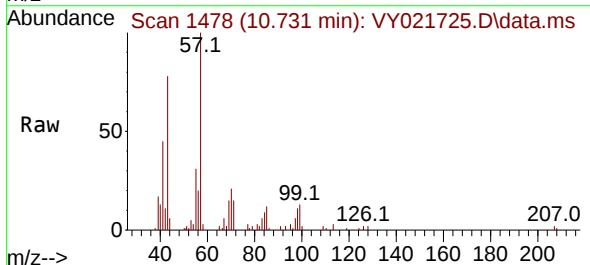
Instrument :
MSVOA_Y
ClientSampleId :
T5

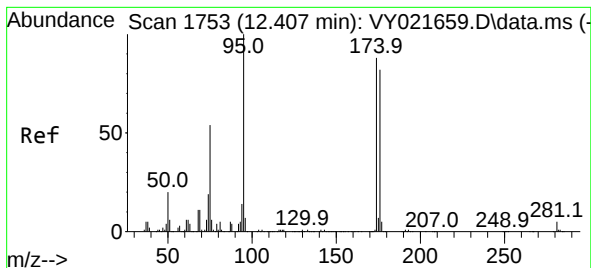
Tgt Ion:	69	Resp:	14290
Ion	Ratio	Lower	Upper
69	100		
41	58.3	53.8	80.6
39	28.7	29.6	44.4#



#59
2-Hexanone
Concen: 6.909 ug/l
RT: 10.731 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion:	43	Resp:	11947
Ion	Ratio	Lower	Upper
43	100		
58	6.2	27.2	81.5#

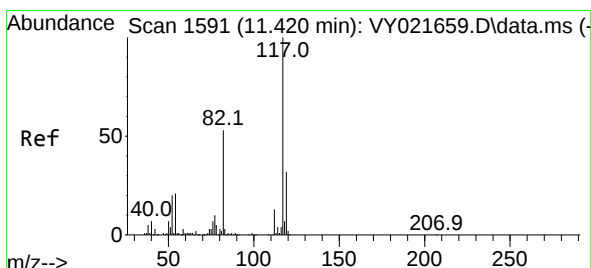
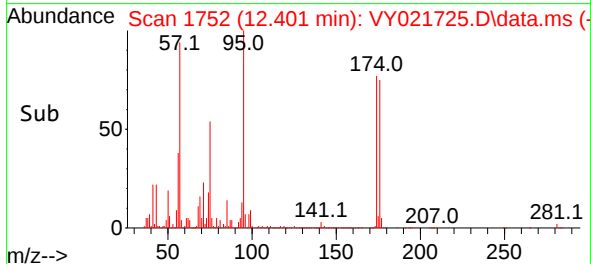
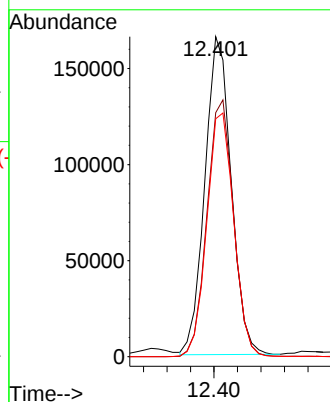
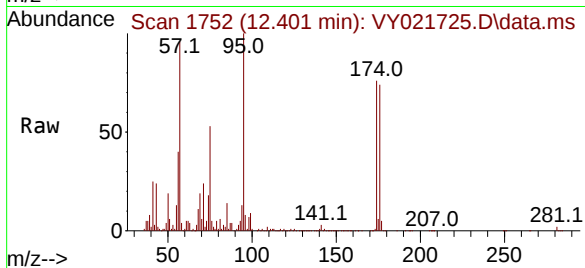




#62
4-Bromofluorobenzene
Concen: 54.667 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

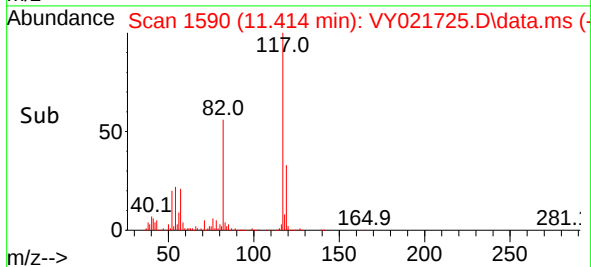
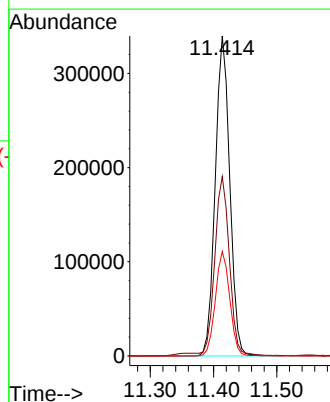
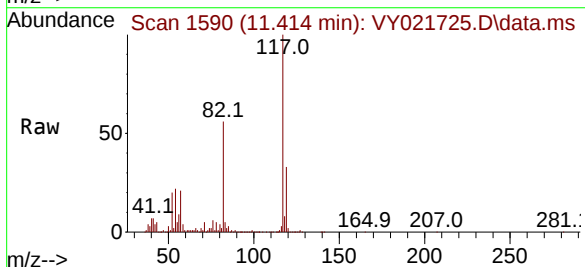
Instrument :
MSVOA_Y
ClientSampleId :
T5

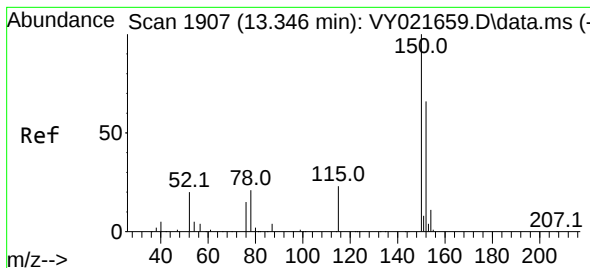
Tgt Ion: 95 Resp: 257657
Ion Ratio Lower Upper
95 100
174 81.5 0.0 170.8
176 78.5 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion: 117 Resp: 539474
Ion Ratio Lower Upper
117 100
82 55.9 42.8 64.2
119 32.6 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: VY021725.D

Acq: 31 Mar 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

T5

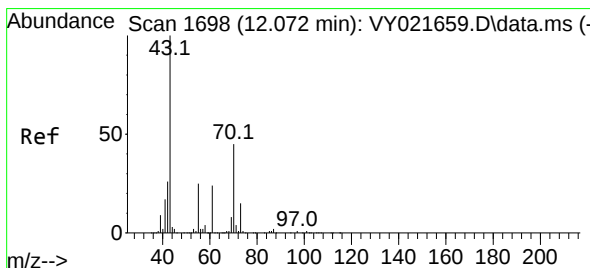
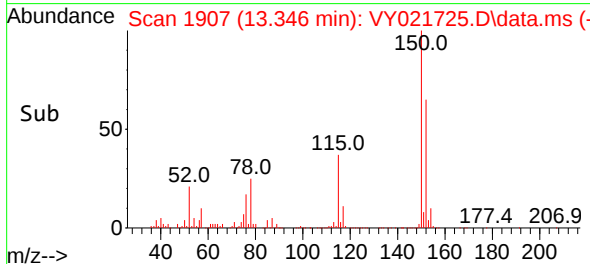
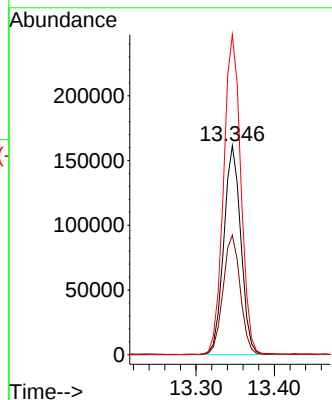
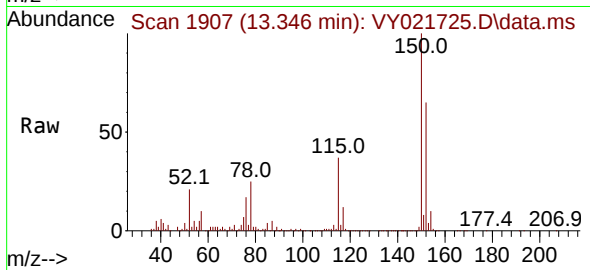
Tgt Ion:152 Resp: 244186

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 155.6 0.0 348.4



#74

N-ethyl acetate

Concen: 5.358 ug/l

RT: 12.036 min Scan# 1692

Delta R.T. -0.036 min

Lab File: VY021725.D

Acq: 31 Mar 2025 17:22

Tgt Ion: 43 Resp: 22807

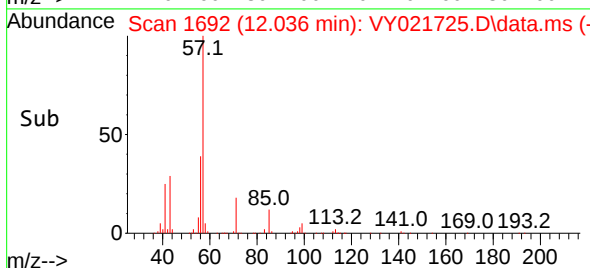
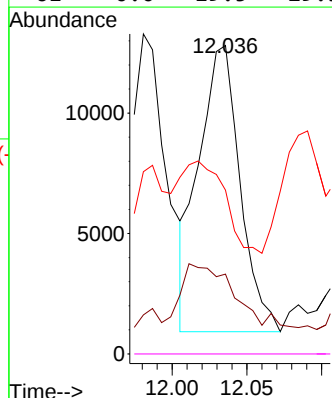
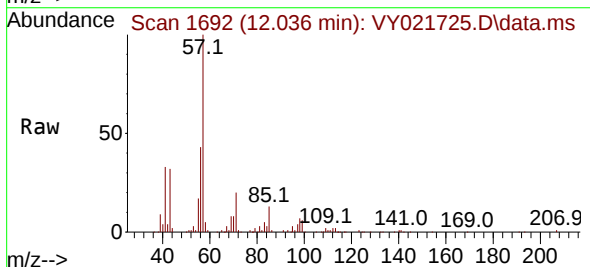
Ion Ratio Lower Upper

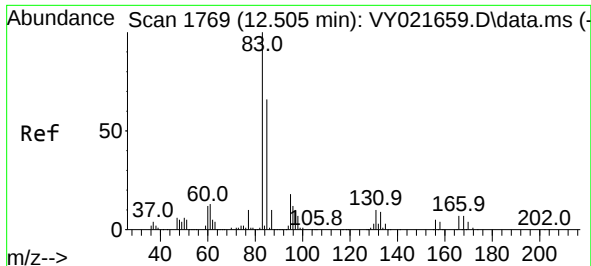
43 100

70 0.0 34.7 52.1#

55 0.0 21.2 31.8#

61 0.0 19.5 29.3#

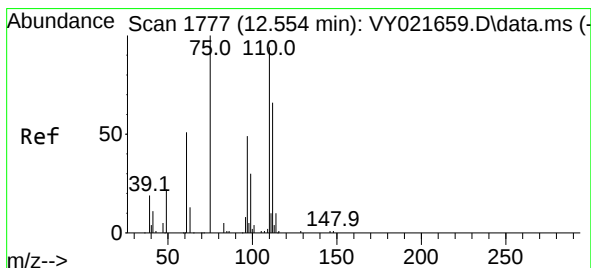
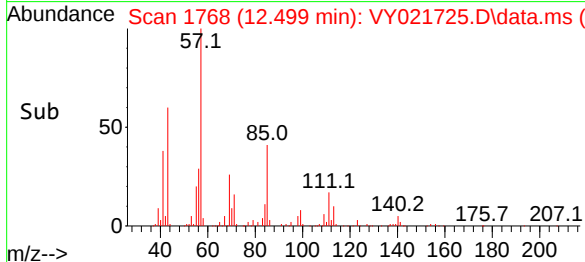
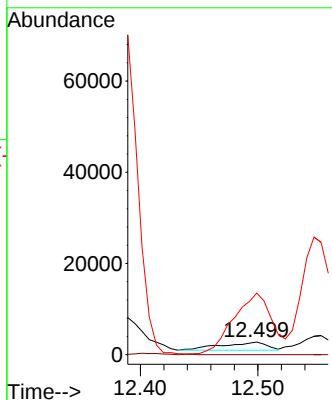
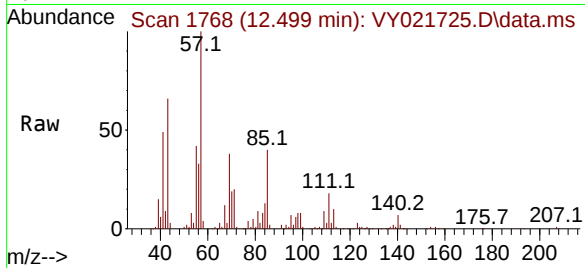




#75
1,1,2,2-Tetrachloroethane
Concen: 1.443 ug/l
RT: 12.499 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

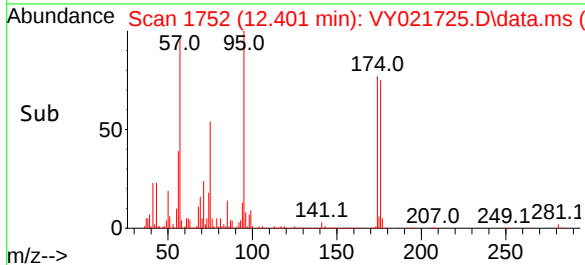
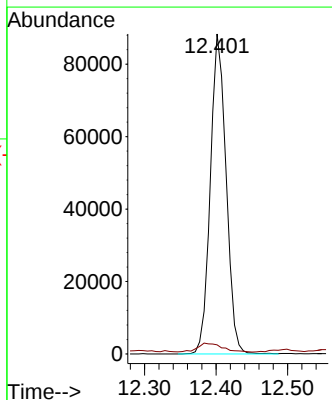
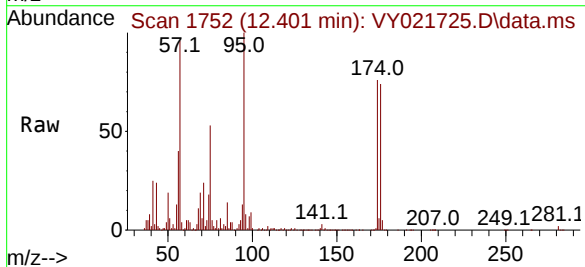
Instrument :
MSVOA_Y
ClientSampleId :
T5

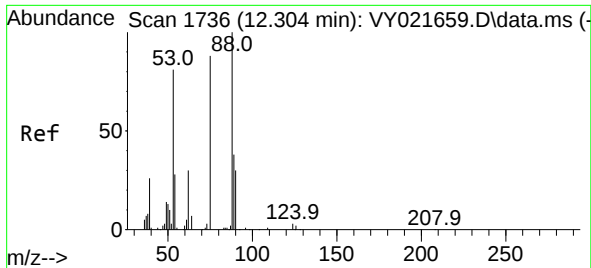
Tgt Ion: 83 Resp: 4704
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 642.0 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 55.979 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

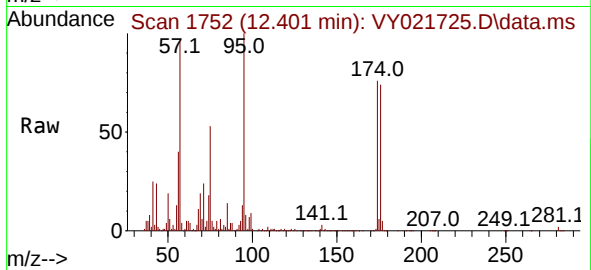
Tgt Ion: 75 Resp: 135499
Ion Ratio Lower Upper
75 100
77 4.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.986 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY021725.D
 Acq: 31 Mar 2025 17:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 T5



Tgt Ion: 75 Resp: 135499
 Ion Ratio Lower Upper
 75 100
 53 14.6 76.1 114.1#
 89 0.2 36.2 54.4#

