

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022062.D
 Acq On : 29 Apr 2025 17:27
 Operator : SY/MD
 Sample : Q1903-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-5

Quant Time: Apr 30 01:35:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

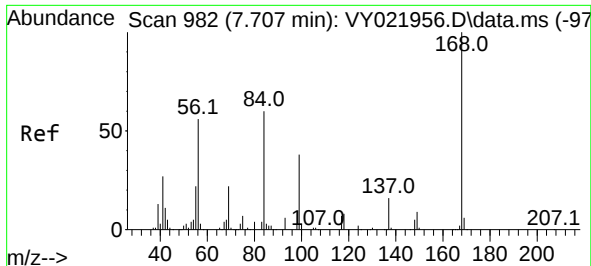
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	293981	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	545754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	490384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	184808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	139187	51.257	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.520%	
35) Dibromofluoromethane	7.634	113	184342	51.127	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.260%	
50) Toluene-d8	10.103	98	667552	49.110	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.220%	
62) 4-Bromofluorobenzene	12.408	95	183504	40.102	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.200%	
Target Compounds						Qvalue
16) Acetone	3.879	43	10855	10.038	ug/l	90
20) Methylene Chloride	4.610	84	3777	1.100	ug/l	95
25) 2-Butanone	6.890	43	3488	5.635	ug/l #	87
31) Cyclohexane	7.713	56	5220	1.163	ug/l #	7
36) 1,1-Dichloropropene	7.707	75	20968	4.329	ug/l #	48
37) Ethyl Acetate	6.890	43	3488	2.005	ug/l #	64
38) Carbon Tetrachloride	7.707	117	28077	4.851	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2207	1.260	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	88646	56.000	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	88646	134.856	ug/l #	16

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

Quant Time: Apr 30 01:35:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

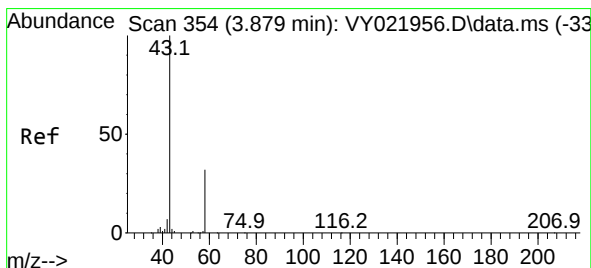
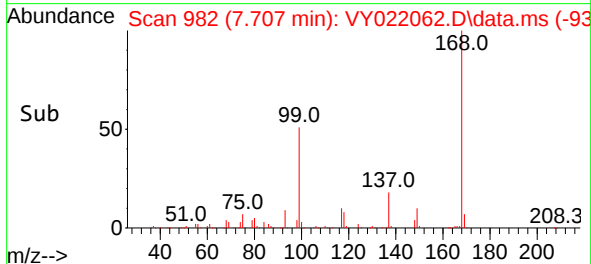
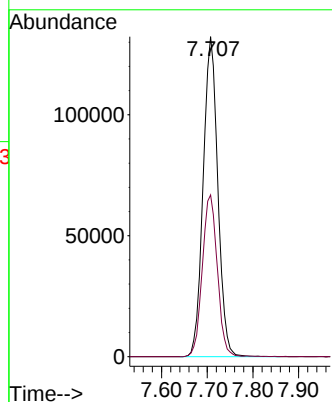
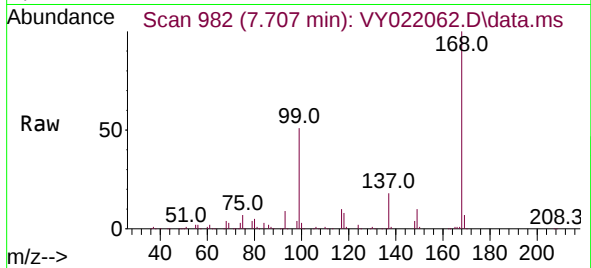




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

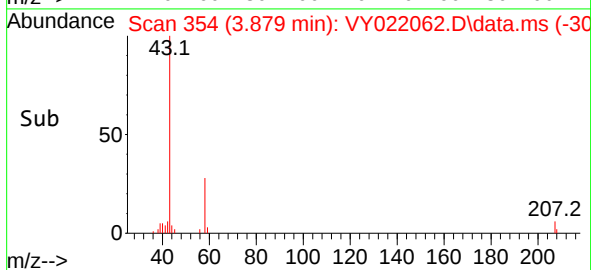
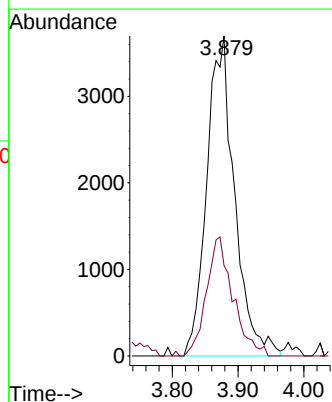
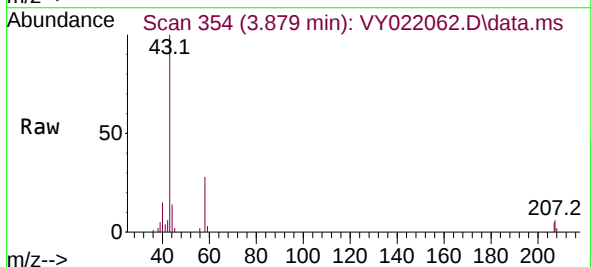
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

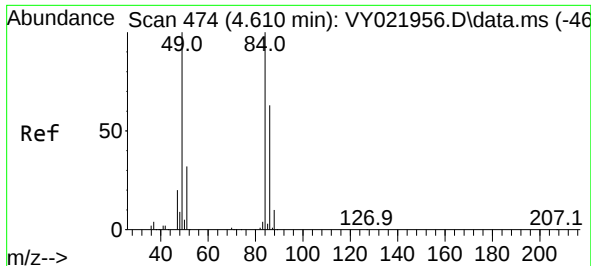
Tgt Ion:168 Resp: 293981
Ion Ratio Lower Upper
168 100
99 50.6 43.1 64.7



#16
Acetone
Concen: 10.038 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

Tgt Ion: 43 Resp: 10855
Ion Ratio Lower Upper
43 100
58 28.3 27.0 40.4

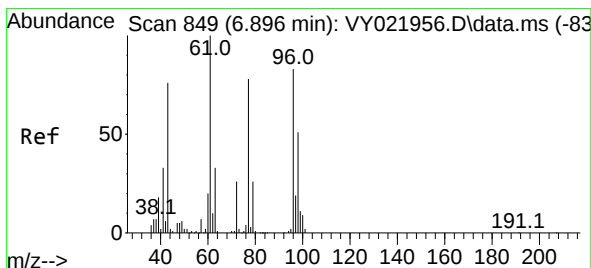
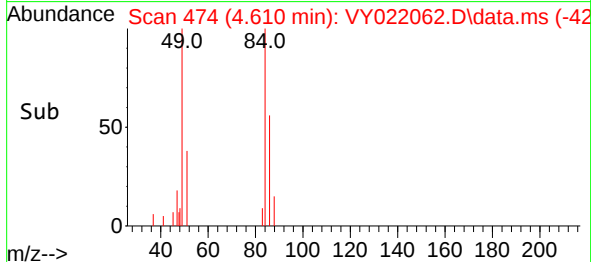
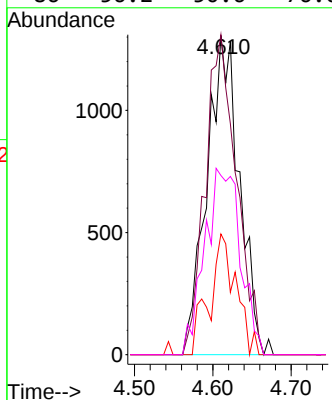
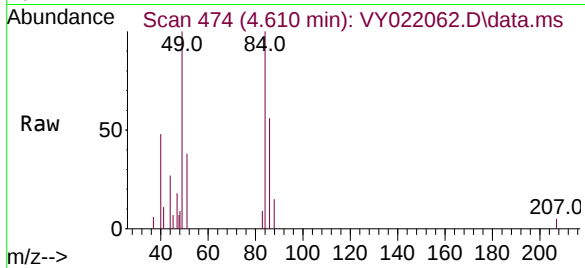




#20
Methylene Chloride
Concen: 1.100 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

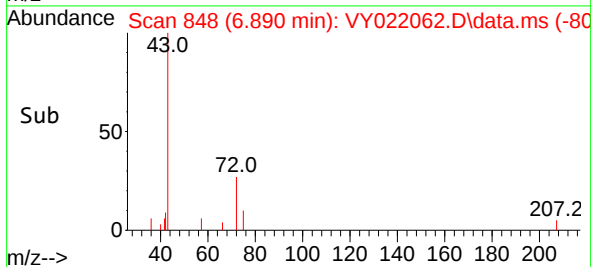
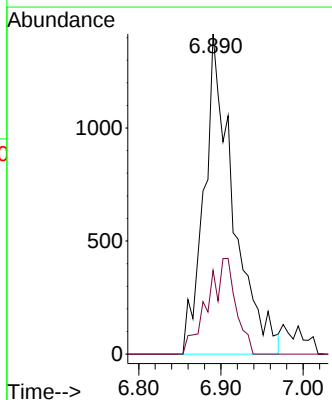
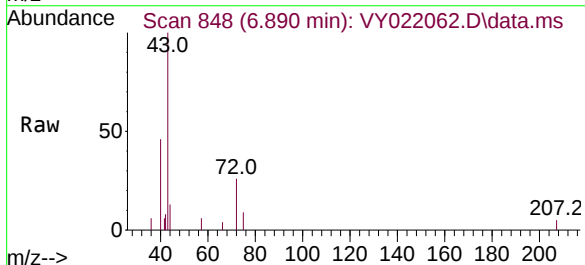
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

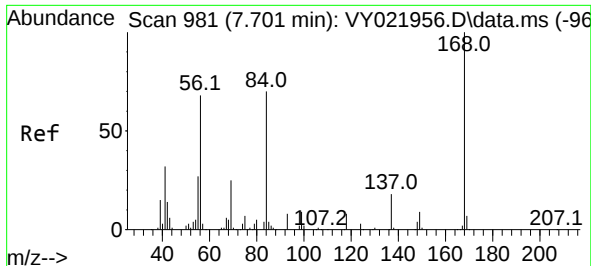
Tgt Ion:	84	Resp:	3777
Ion	Ratio	Lower	Upper
84	100		
49	100.3	79.9	119.9
51	37.8	25.4	38.0
86	56.2	50.6	76.0



#25
2-Butanone
Concen: 5.635 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

Tgt Ion:	43	Resp:	3488
Ion	Ratio	Lower	Upper
43	100		
72	26.1	27.0	40.4#

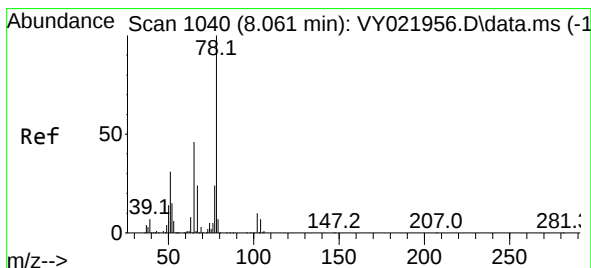
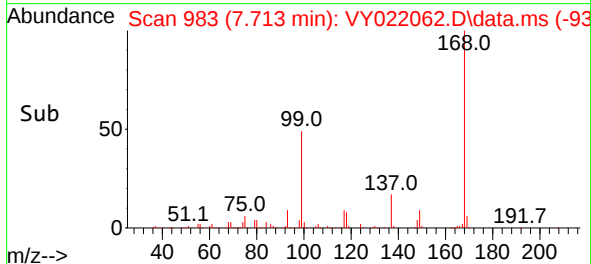
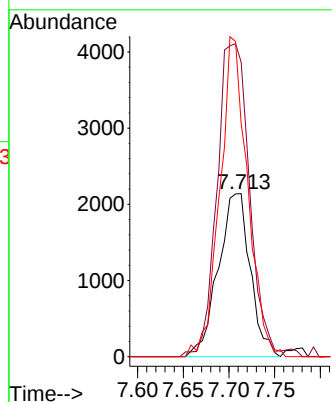
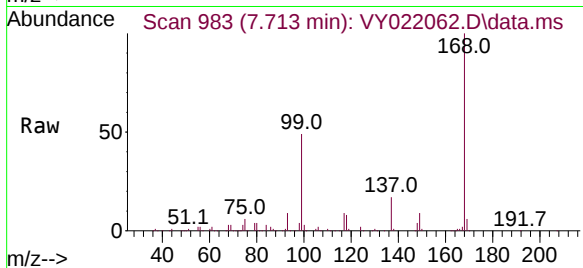




#31
Cyclohexane
Concen: 1.163 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

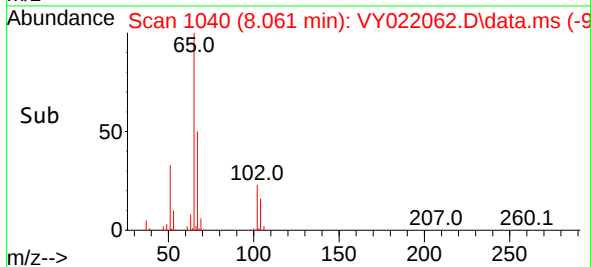
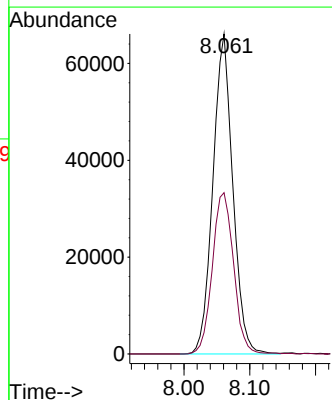
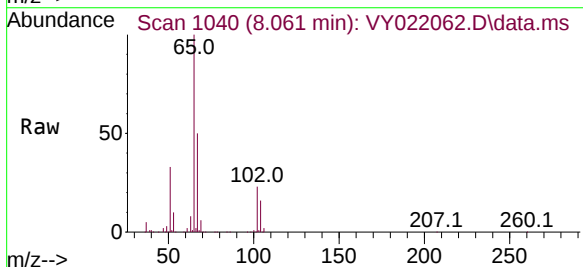
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

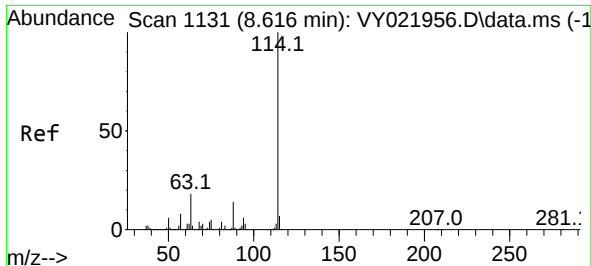
Tgt Ion: 56 Resp: 5220
Ion Ratio Lower Upper
56 100
69 180.7 29.4 44.2#
84 143.0 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 51.257 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

Tgt Ion: 65 Resp: 139187
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022062.D

Acq: 29 Apr 2025 17:27

Instrument :

MSVOA_Y

ClientSampleId :

COMP-5

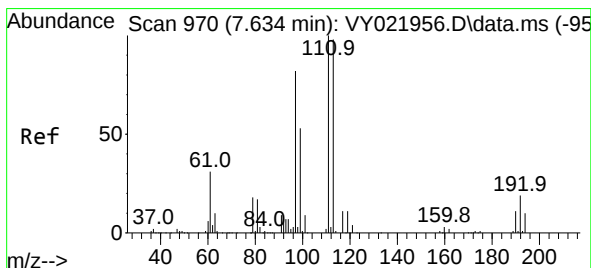
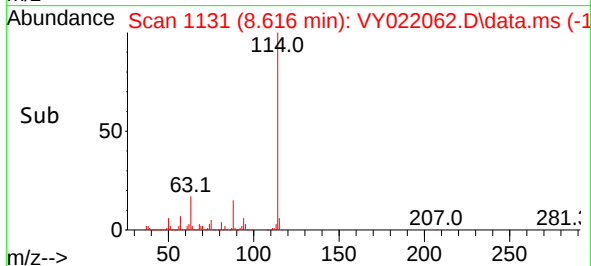
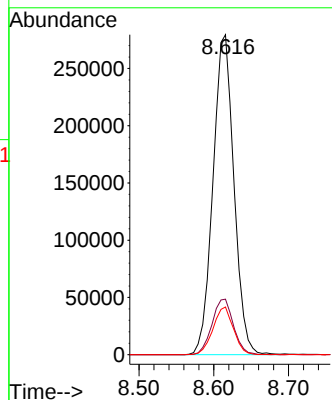
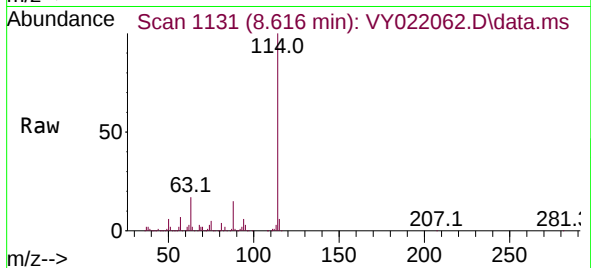
Tgt Ion:114 Resp: 545754

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 14.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.127 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022062.D

Acq: 29 Apr 2025 17:27

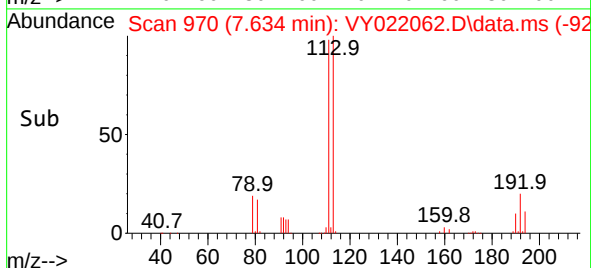
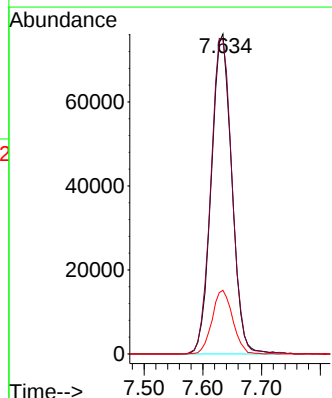
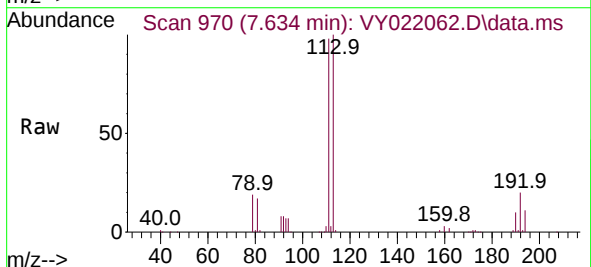
Tgt Ion:113 Resp: 184342

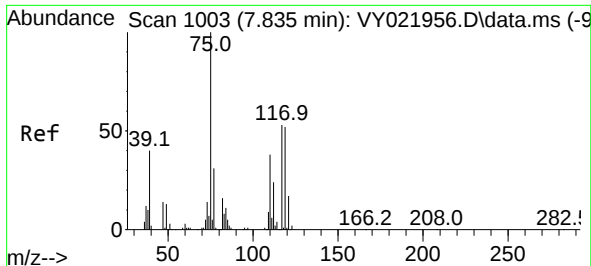
Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 20.0 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.329 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY022062.D

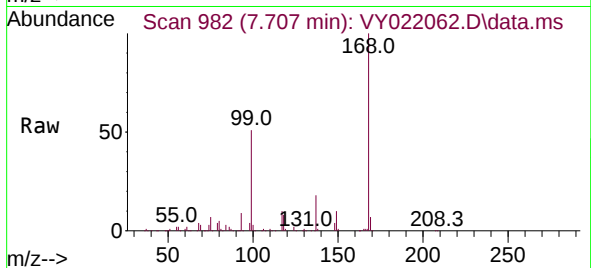
Acq: 29 Apr 2025 17:27

Instrument :

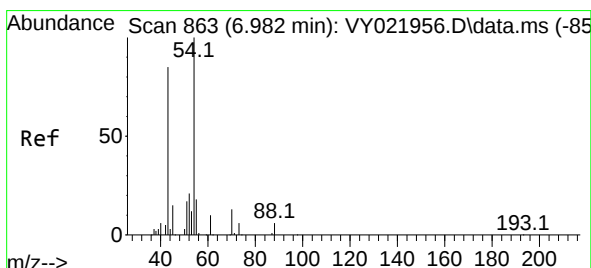
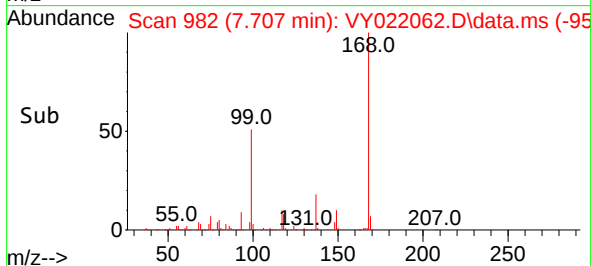
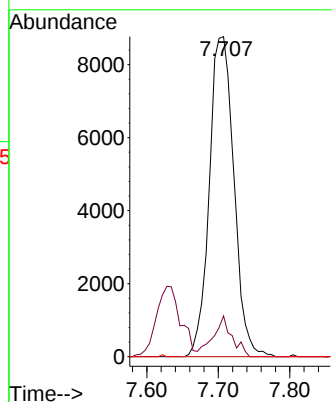
MSVOA_Y

ClientSampleId :

COMP-5



Tgt Ion:	75	Resp:	20968
Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.1	57.3#
77	0.0	25.5	38.3#



#37

Ethyl Acetate

Concen: 2.005 ug/l

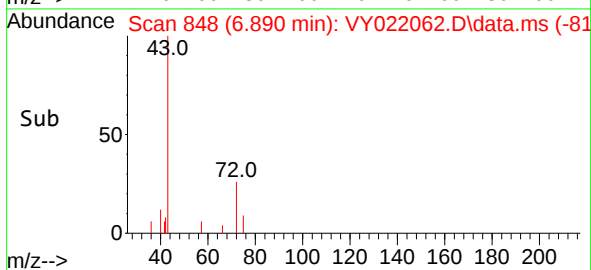
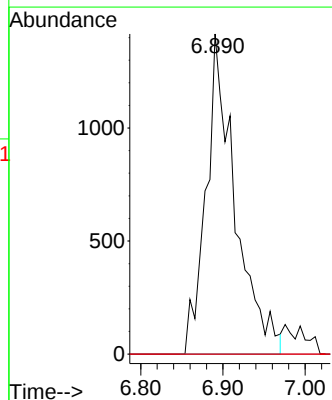
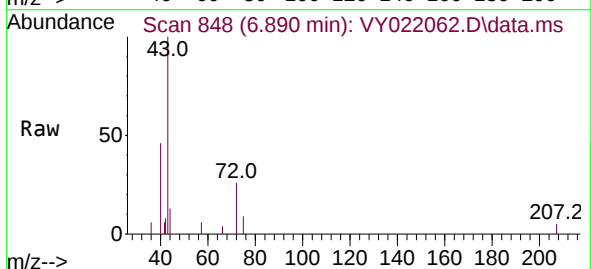
RT: 6.890 min Scan# 848

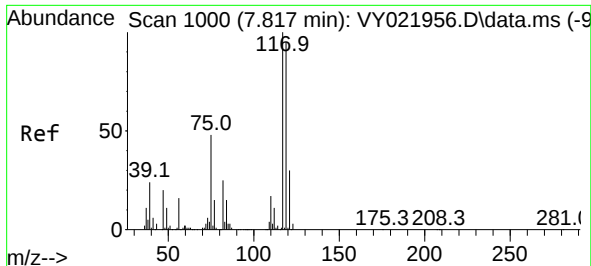
Delta R.T. -0.091 min

Lab File: VY022062.D

Acq: 29 Apr 2025 17:27

Tgt Ion:	43	Resp:	3488
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.8	20.6#
70	0.0	9.2	13.8#

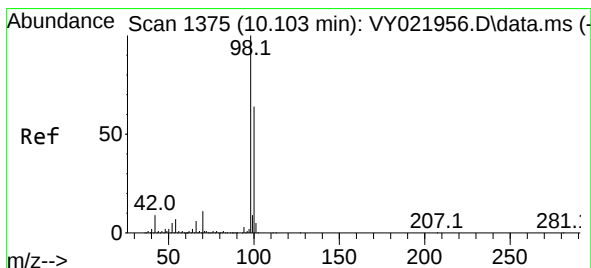
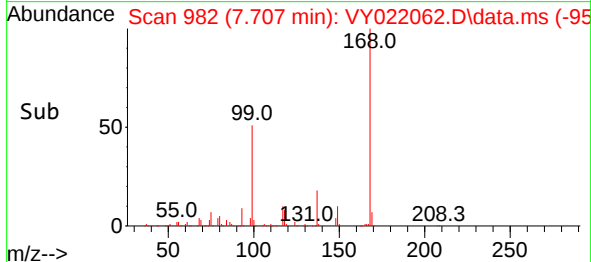
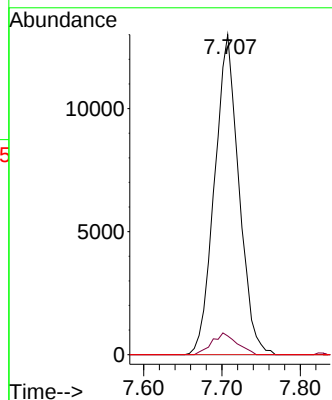
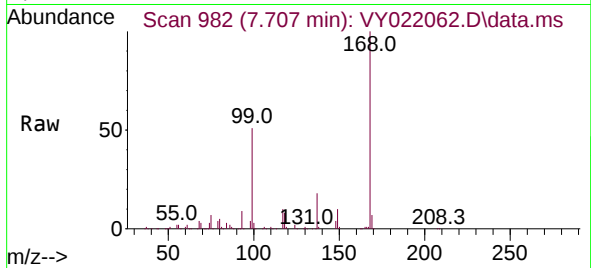




#38
Carbon Tetrachloride
Concen: 4.851 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

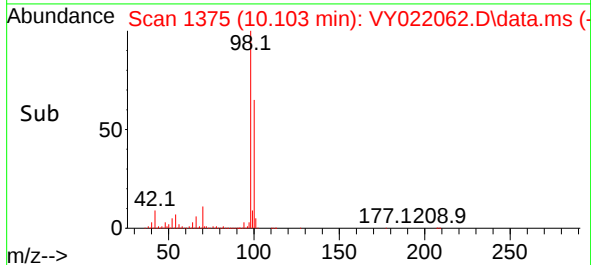
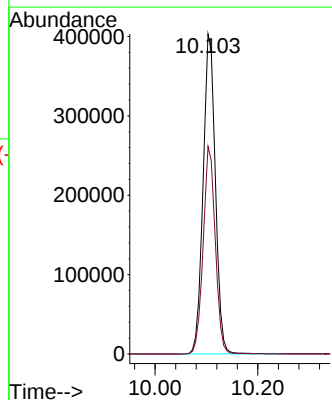
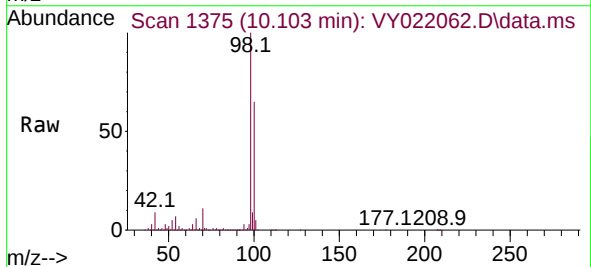
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

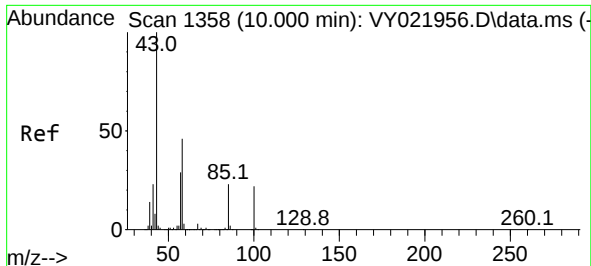
Tgt Ion:117 Resp: 28077
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.110 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

Tgt Ion: 98 Resp: 667552
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

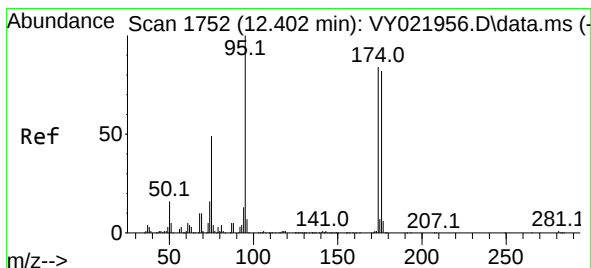
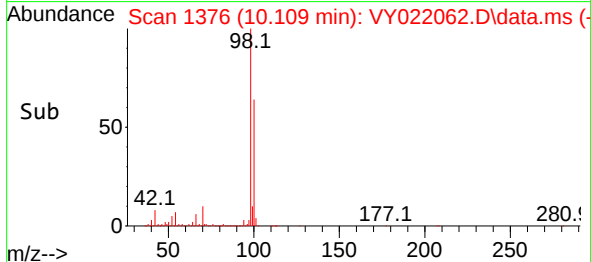
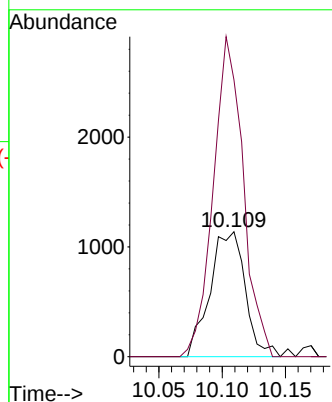
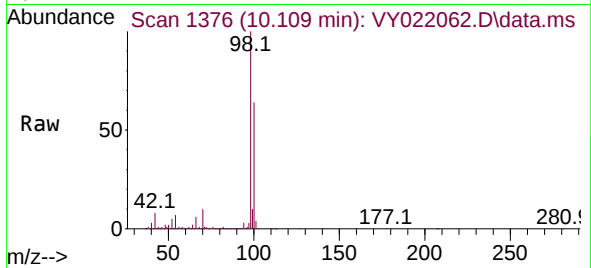




#51
4-Methyl-2-Pentanone
Concen: 1.260 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

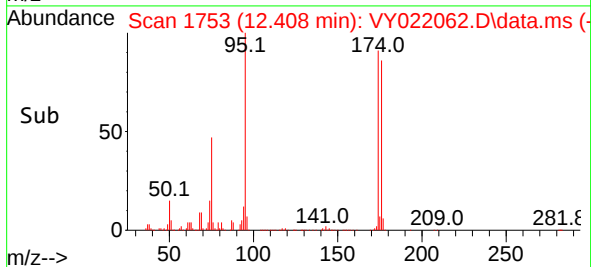
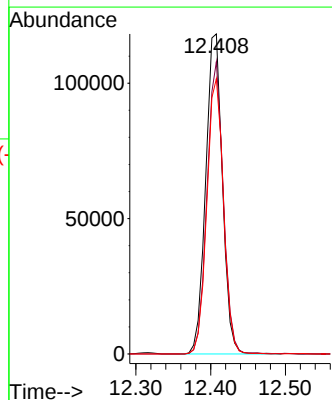
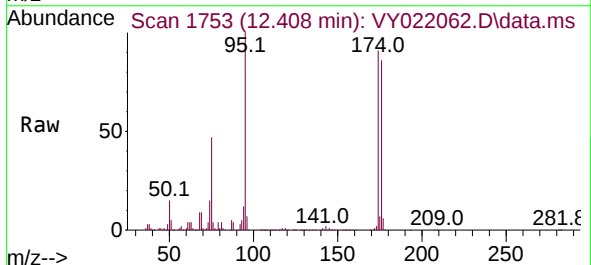
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

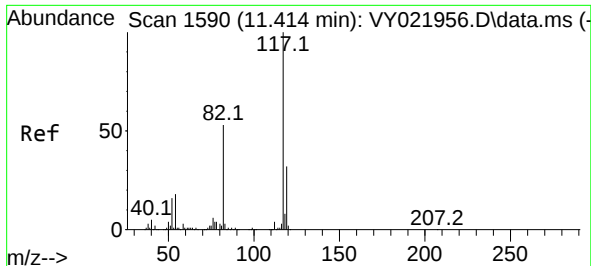
Tgt Ion: 43 Resp: 2207
Ion Ratio Lower Upper
43 100
58 217.6 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 40.102 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

Tgt Ion: 95 Resp: 183504
Ion Ratio Lower Upper
95 100
174 89.1 0.0 179.0
176 85.7 0.0 171.8

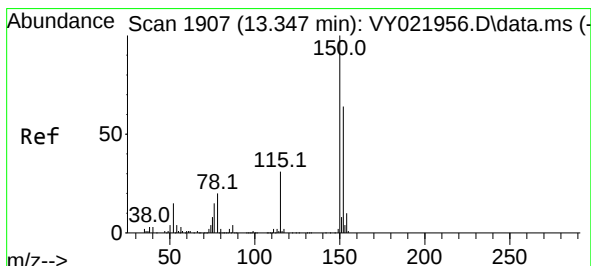
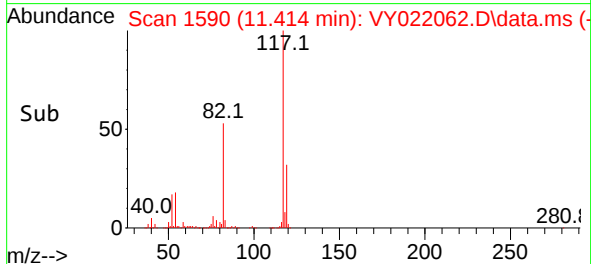
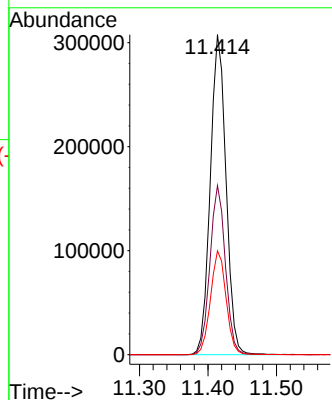
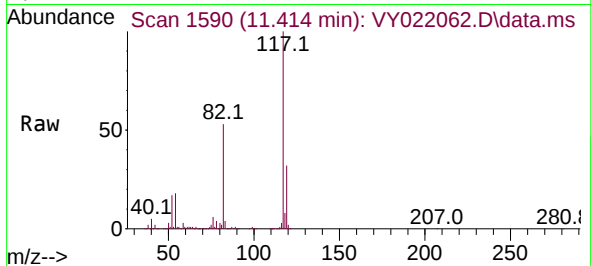




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

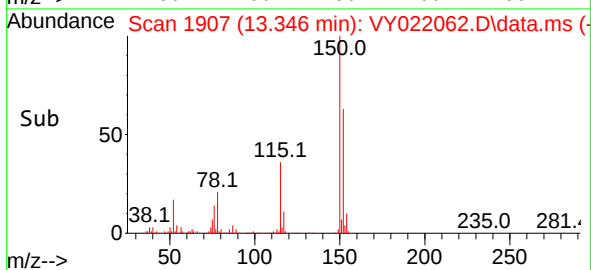
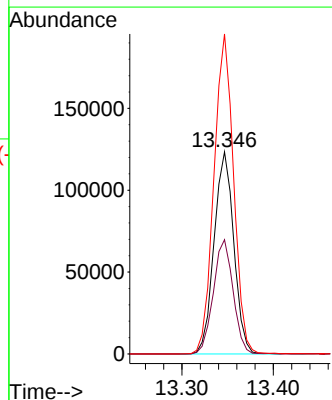
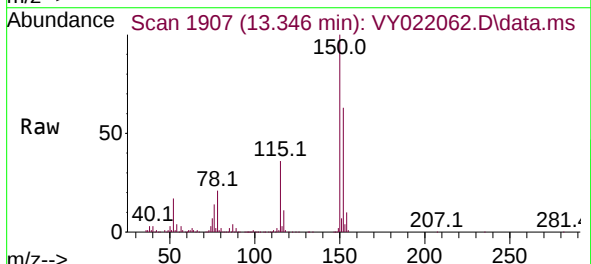
Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

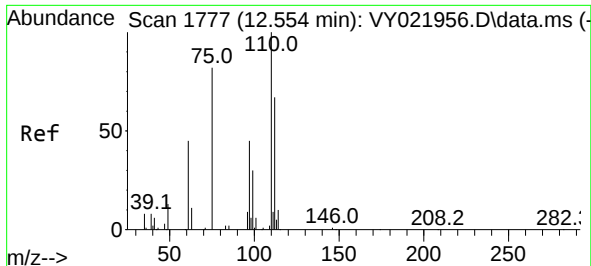
Tgt Ion:117 Resp: 490384
Ion Ratio Lower Upper
117 100
82 52.9 42.1 63.1
119 32.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

Tgt Ion:152 Resp: 184808
Ion Ratio Lower Upper
152 100
115 56.7 28.0 84.0
150 158.2 0.0 345.6

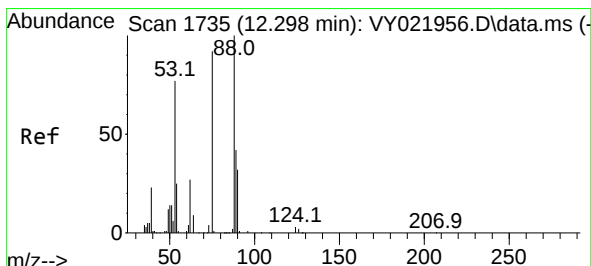
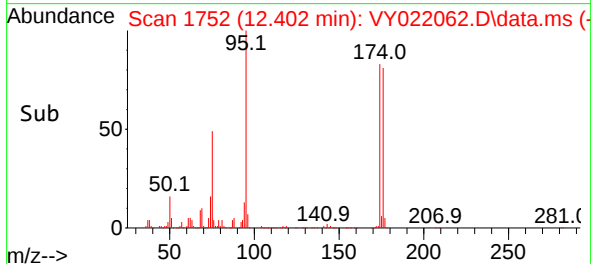
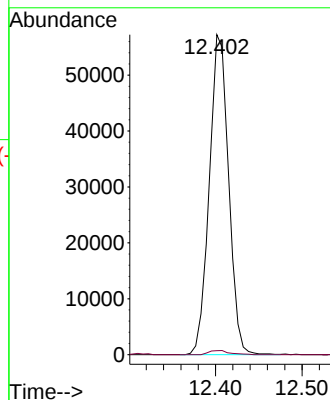
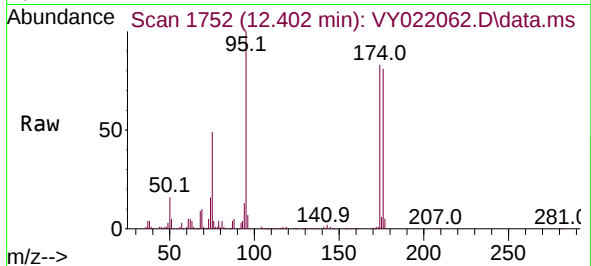




#76
1,2,3-Trichloropropane
Concen: 56.000 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

Instrument :
MSVOA_Y
ClientSampleId :
COMP-5

Tgt Ion: 75 Resp: 88646
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.856 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY022062.D
Acq: 29 Apr 2025 17:27

Tgt Ion: 75 Resp: 88646
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 37.2 55.8#

