

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022033.D
 Acq On : 28 Apr 2025 15:52
 Operator : SY/MD
 Sample : Q1889-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: Apr 29 03:54:43 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

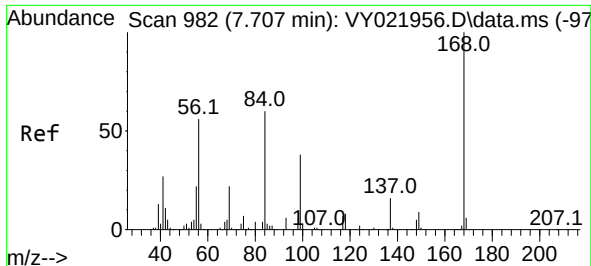
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	299025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	578464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	516589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	194154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156439	56.639	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.280%	
35) Dibromofluoromethane	7.634	113	198145	51.848	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.700%	
50) Toluene-d8	10.103	98	694512	48.205	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.400%	
62) 4-Bromofluorobenzene	12.402	95	192989	39.790	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.580%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	1370	Below Cal		98
31) Cyclohexane	7.701	56	5663	1.240	ug/l #	8
36) 1,1-Dichloropropene	7.707	75	22515	4.386	ug/l #	48
38) Carbon Tetrachloride	7.707	117	29996	4.890	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2207	1.189	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	93858	56.438	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	93858	135.911	ug/l #	16

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

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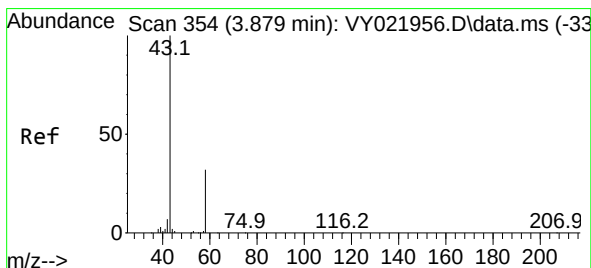
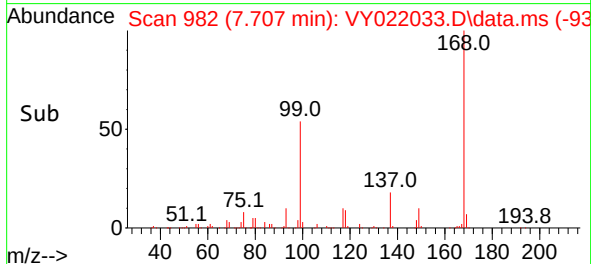
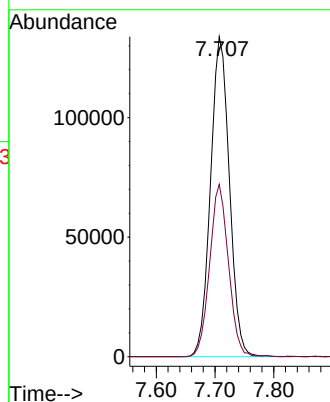
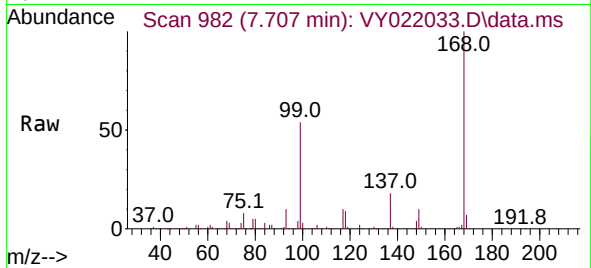




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022033.D
Acq: 28 Apr 2025 15:52

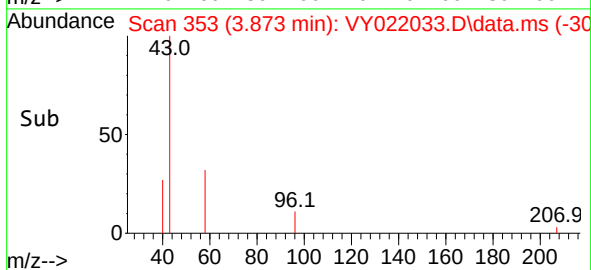
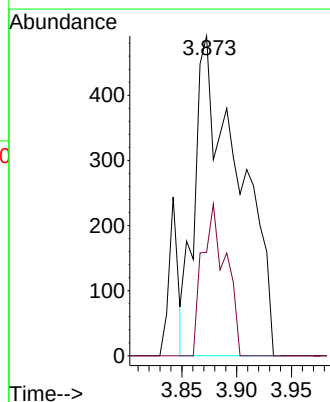
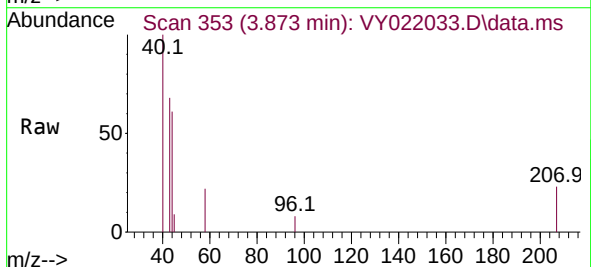
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

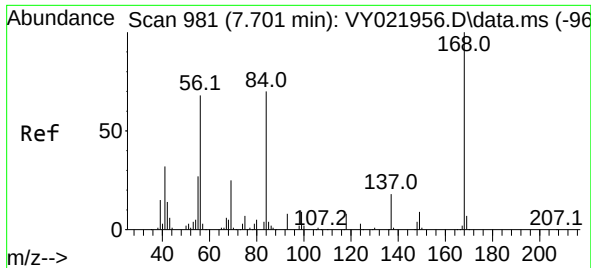
Tgt Ion:168 Resp: 299025
Ion Ratio Lower Upper
168 100
99 53.9 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022033.D
Acq: 28 Apr 2025 15:52

Tgt Ion: 43 Resp: 1370
Ion Ratio Lower Upper
43 100
58 32.4 27.0 40.4

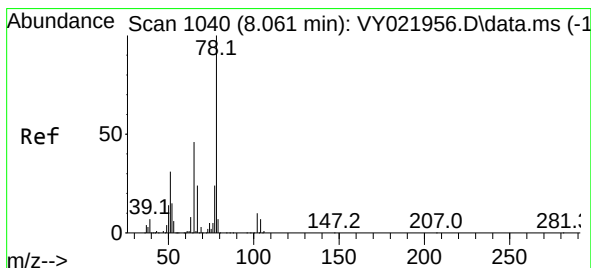
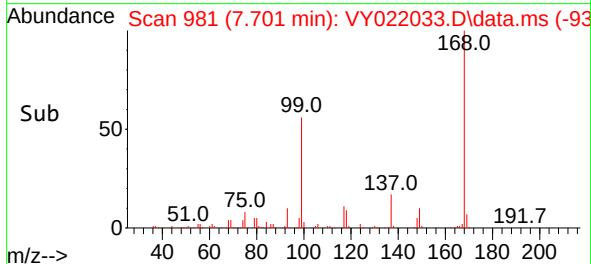
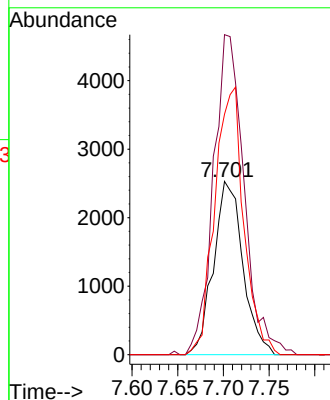
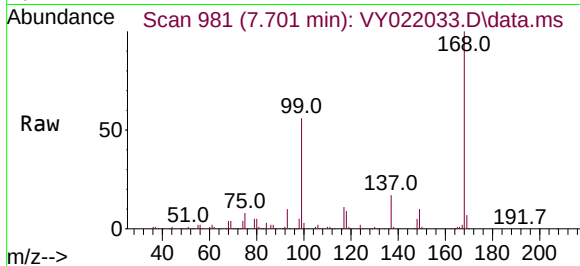




#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022033.D
Acq: 28 Apr 2025 15:52

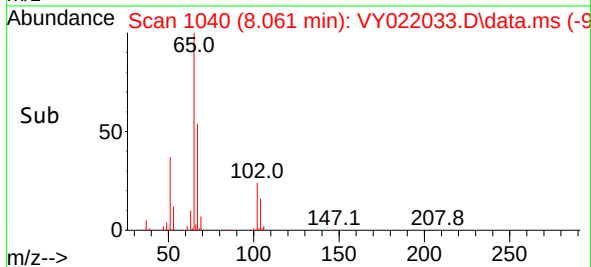
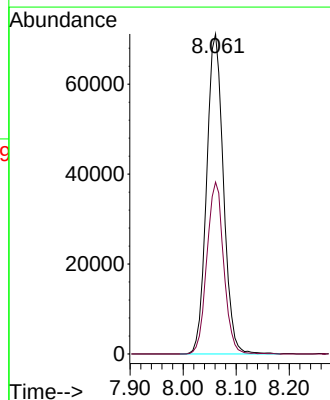
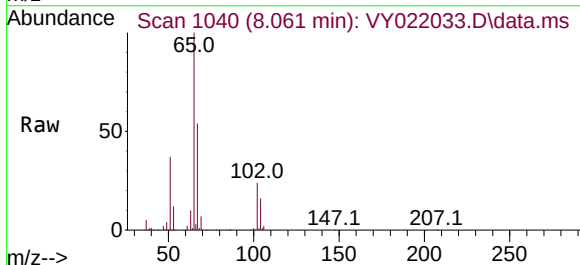
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

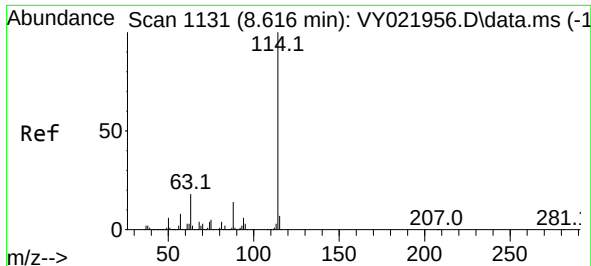
Tgt Ion: 56 Resp: 5663
Ion Ratio Lower Upper
56 100
69 184.7 29.4 44.2#
84 138.8 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 56.639 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022033.D
Acq: 28 Apr 2025 15:52

Tgt Ion: 65 Resp: 156439
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: VY022033.D

Acq: 28 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

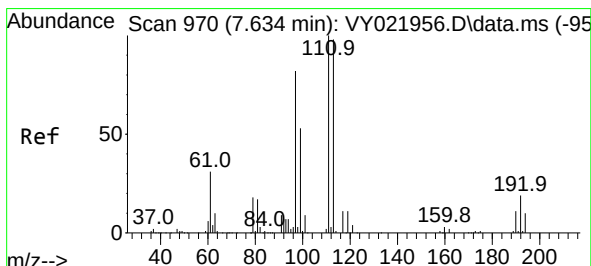
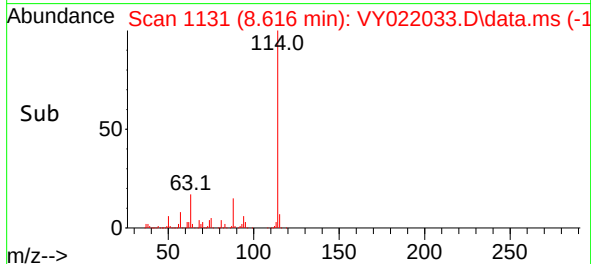
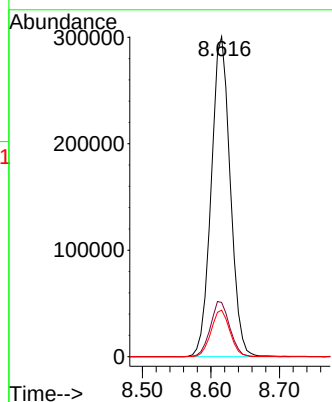
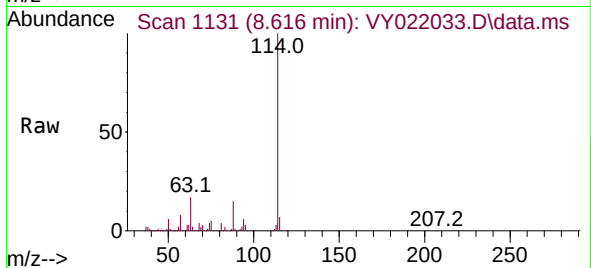
Tgt Ion:114 Resp: 578464

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

88 14.5 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.848 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022033.D

Acq: 28 Apr 2025 15:52

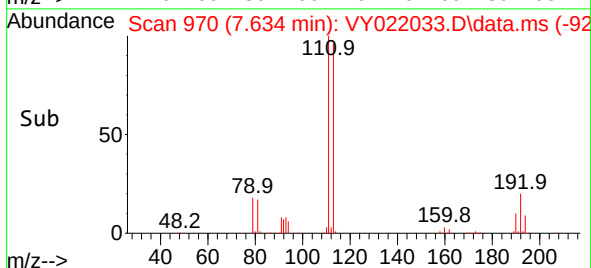
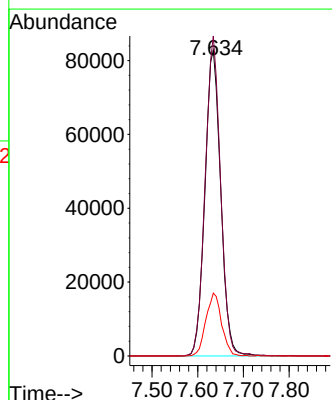
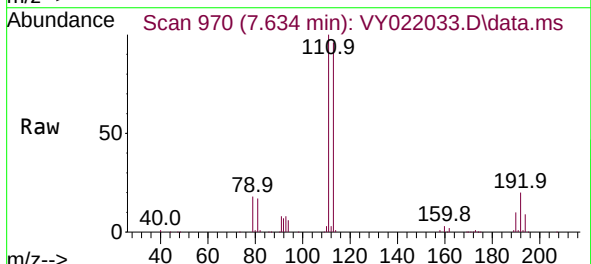
Tgt Ion:113 Resp: 198145

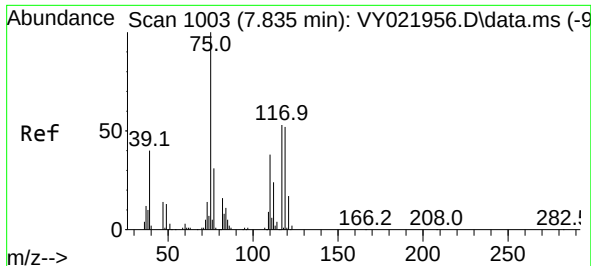
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 20.5 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.386 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022033.D

Acq: 28 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

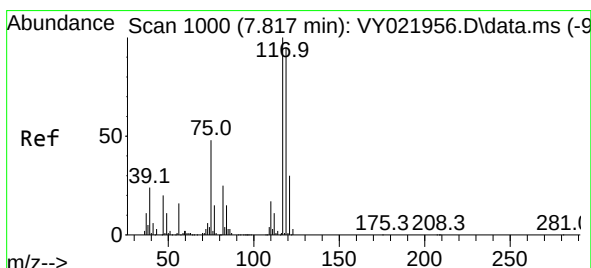
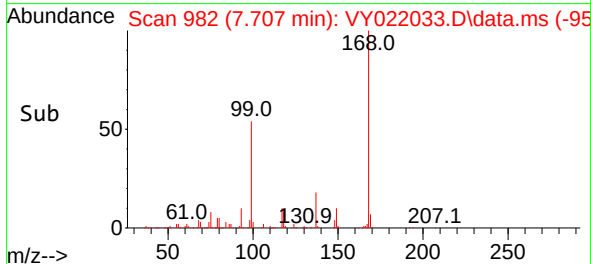
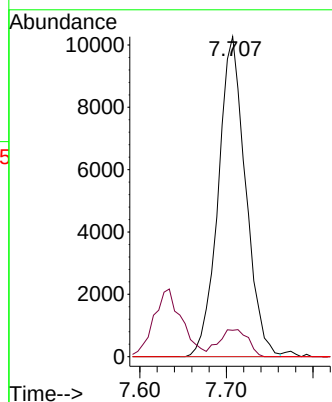
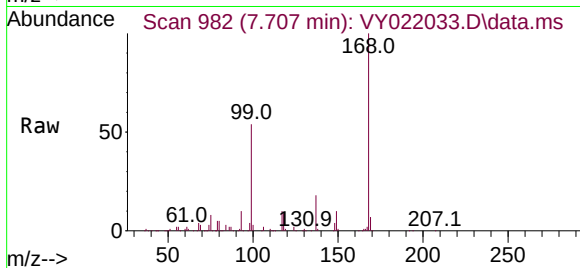
Tgt Ion: 75 Resp: 22515

Ion Ratio Lower Upper

75 100

110 9.0 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.890 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022033.D

Acq: 28 Apr 2025 15:52

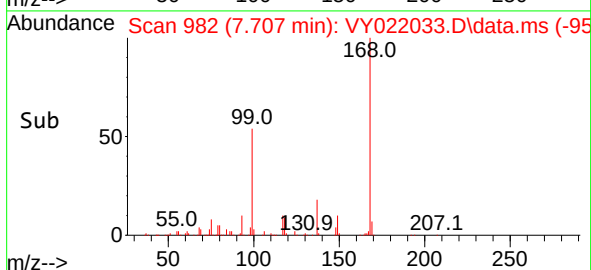
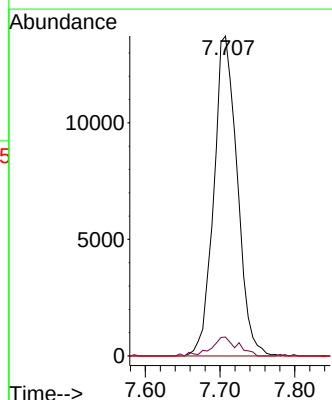
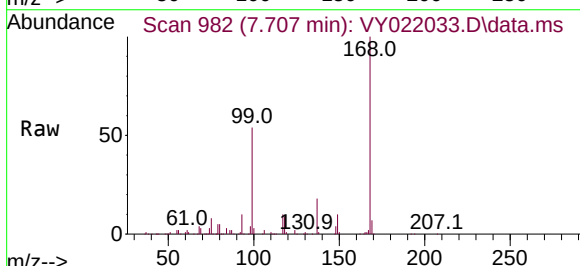
Tgt Ion: 117 Resp: 29996

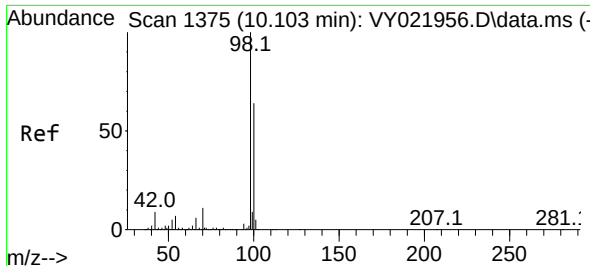
Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.4#

121 0.0 24.0 36.0#

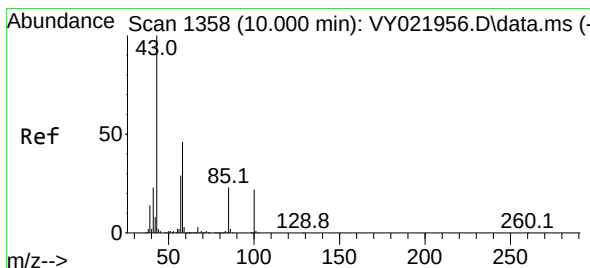
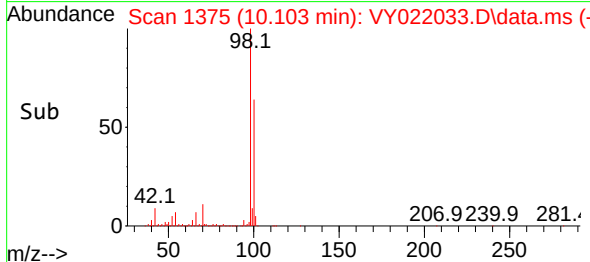
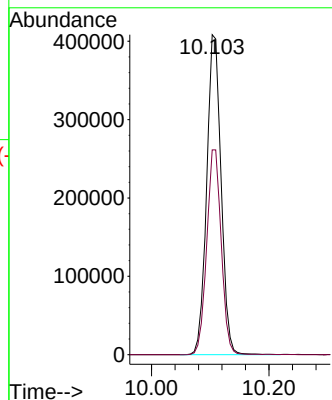
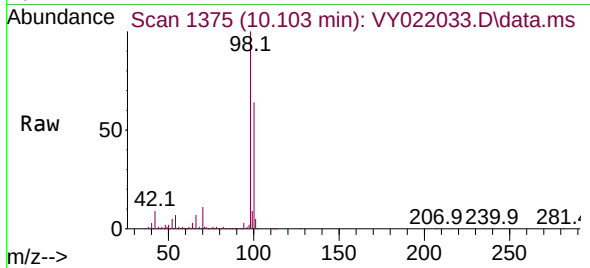




#50
Toluene-d8
Concen: 48.205 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022033.D
Acq: 28 Apr 2025 15:52

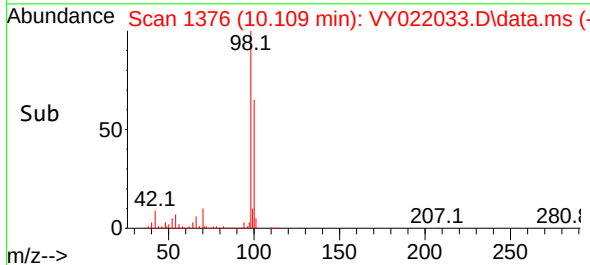
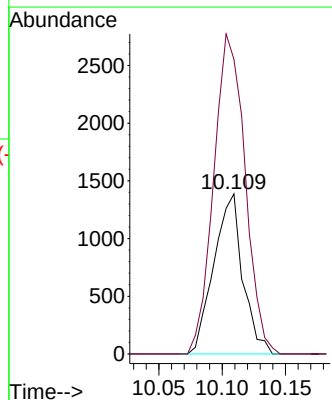
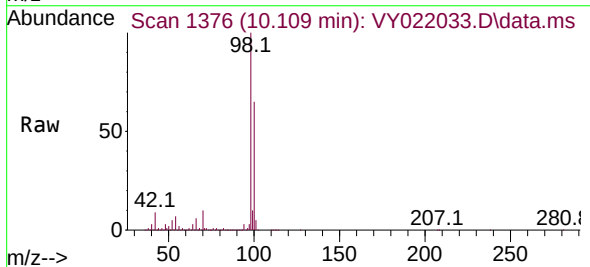
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

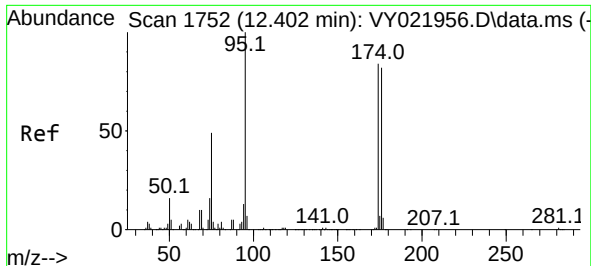
Tgt Ion: 98 Resp: 694512
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.189 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY022033.D
Acq: 28 Apr 2025 15:52

Tgt Ion: 43 Resp: 2207
Ion Ratio Lower Upper
43 100
58 216.5 36.6 55.0#

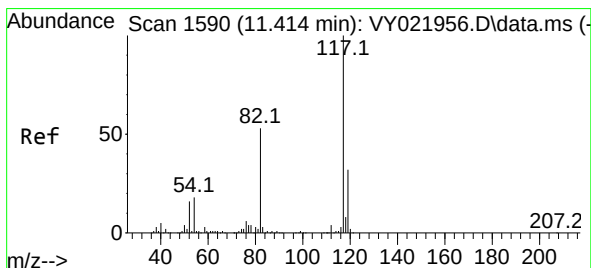
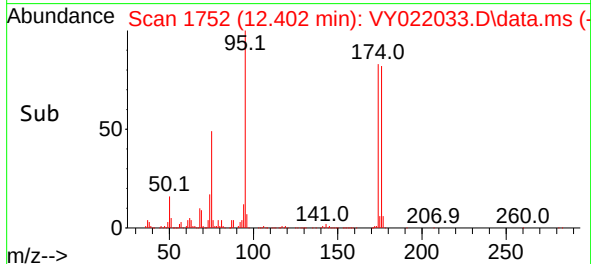
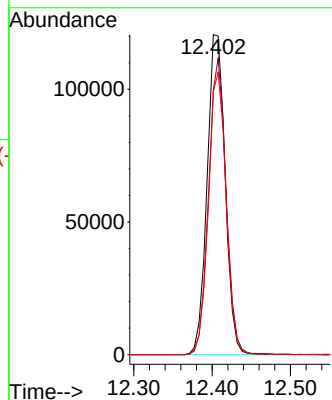
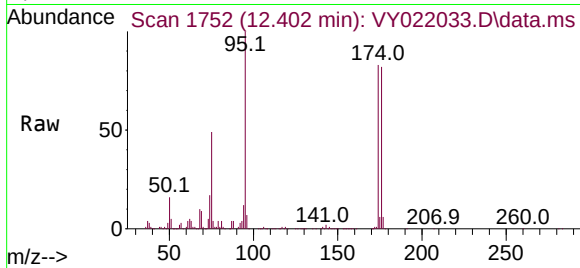




#62
4-Bromofluorobenzene
Concen: 39.790 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022033.D
Acq: 28 Apr 2025 15:52

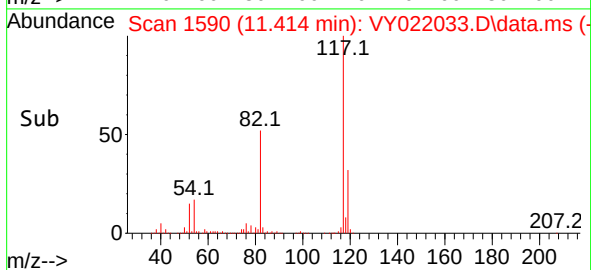
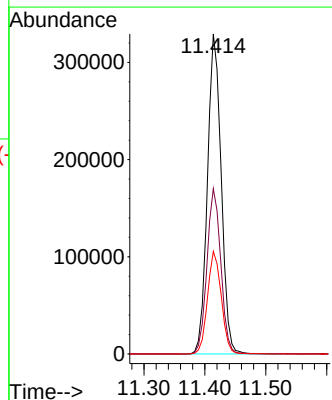
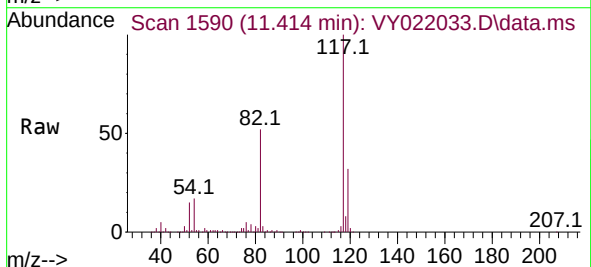
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

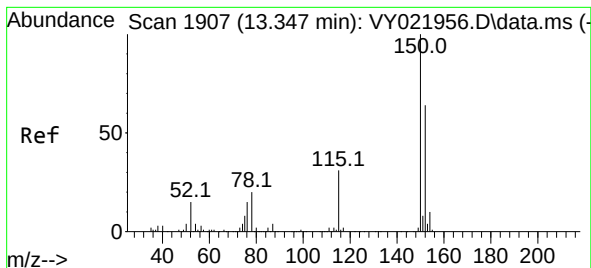
Tgt Ion: 95 Resp: 192989
Ion Ratio Lower Upper
95 100
174 89.8 0.0 179.0
176 86.1 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022033.D
Acq: 28 Apr 2025 15:52

Tgt Ion: 117 Resp: 516589
Ion Ratio Lower Upper
117 100
82 51.6 42.1 63.1
119 32.1 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: VY022033.D

Acq: 28 Apr 2025 15:52

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

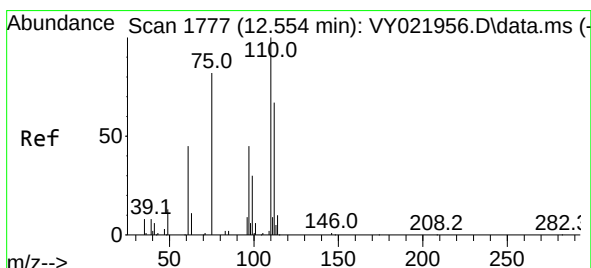
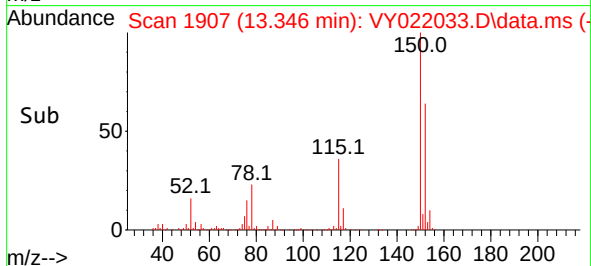
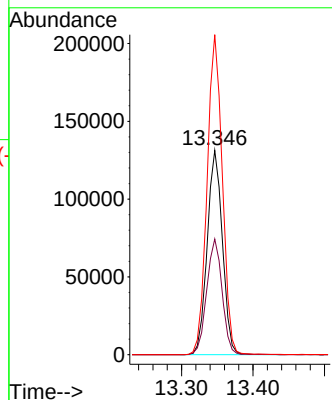
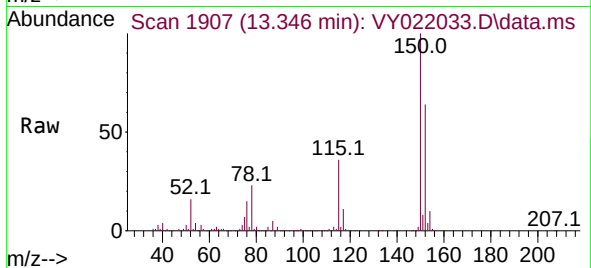
Tgt Ion:152 Resp: 194154

Ion Ratio Lower Upper

152 100

115 57.3 28.0 84.0

150 156.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 56.438 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022033.D

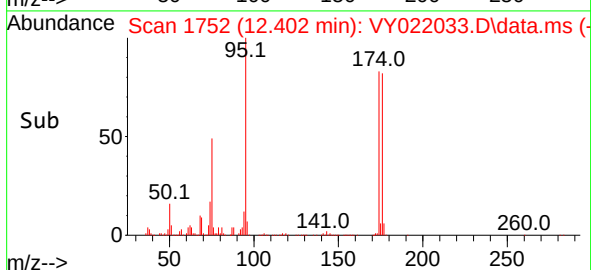
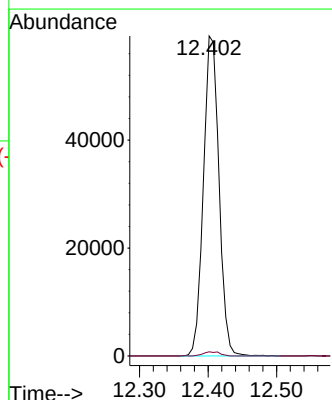
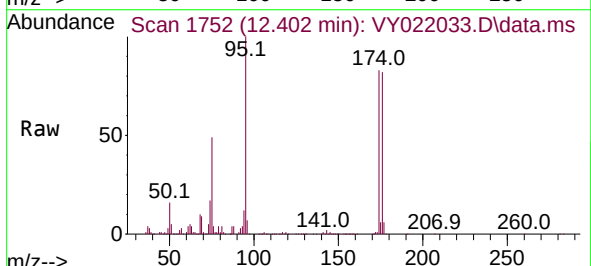
Acq: 28 Apr 2025 15:52

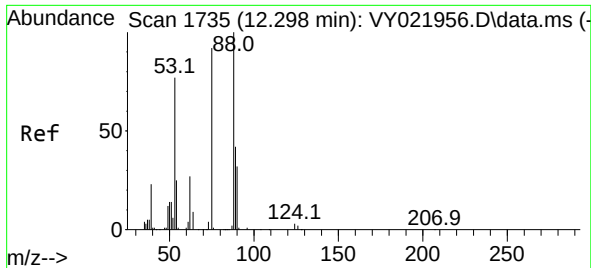
Tgt Ion: 75 Resp: 93858

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 135.911 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022033.D
Acq: 28 Apr 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion:	75	Resp:	93858
Ion	Ratio	Lower	Upper
75	100		
53	0.2	66.0	99.0#
89	0.0	37.2	55.8#

