

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022032.D
 Acq On : 28 Apr 2025 15:28
 Operator : SY/MD
 Sample : Q1889-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Apr 29 03:54:31 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)

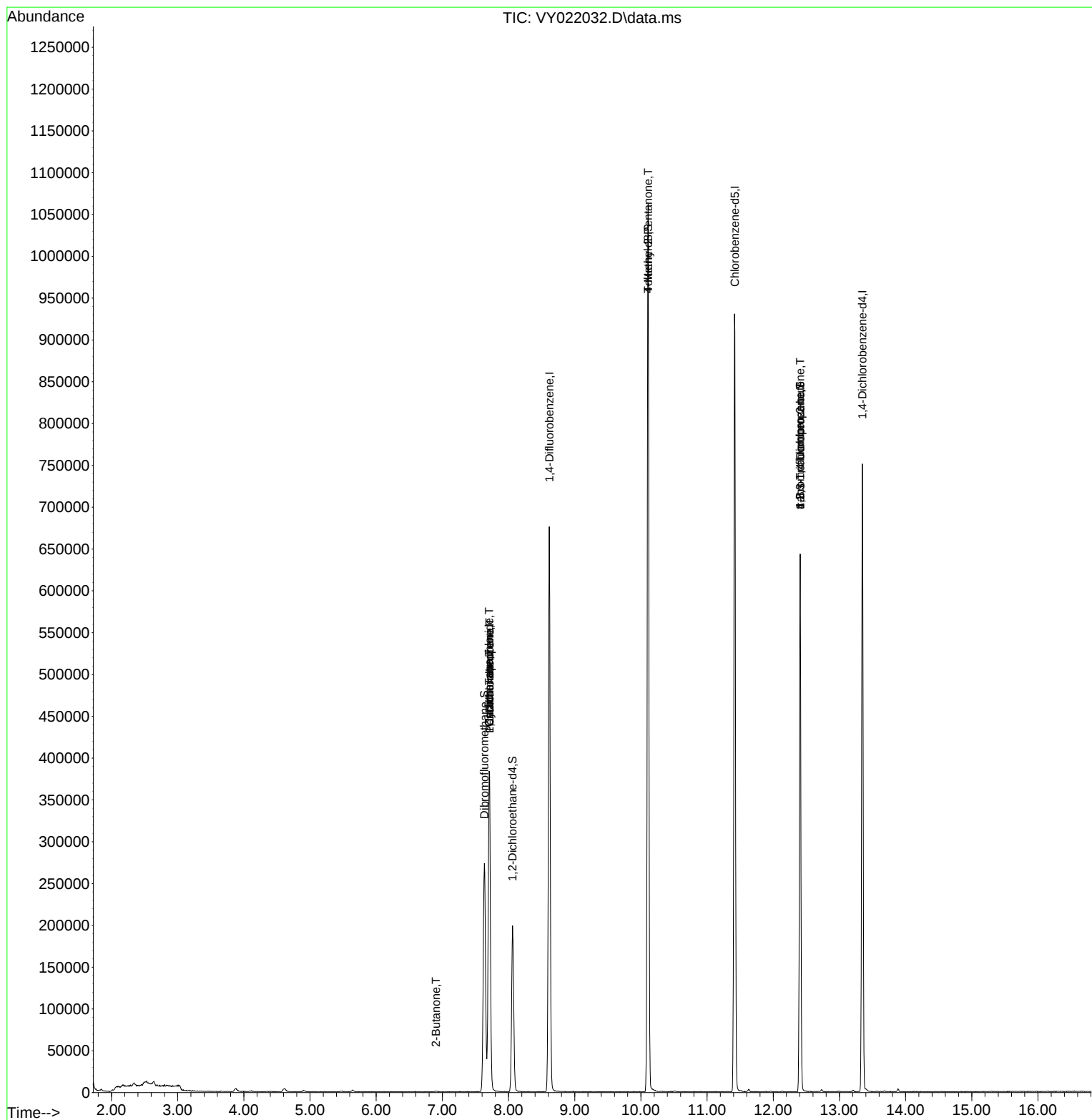
Internal Standards						
1) Pentafluorobenzene	7.713	168	304513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	584934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	527708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	198753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152207	54.114	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.220%	
35) Dibromofluoromethane	7.634	113	200741	51.946	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.900%	
50) Toluene-d8	10.109	98	706293	48.480	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.960%	
62) 4-Bromofluorobenzene	12.408	95	194400	39.638	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.280%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	6838	Below Cal	#	77
25) 2-Butanone	6.902	43	1537	2.397	ug/l #	83
31) Cyclohexane	7.707	56	5570	1.198	ug/l #	8
36) 1,1-Dichloropropene	7.713	75	22683	4.370	ug/l #	48
38) Carbon Tetrachloride	7.707	117	31035	5.003	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2432	1.296	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	93632	54.999	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	93632	132.447	ug/l #	16

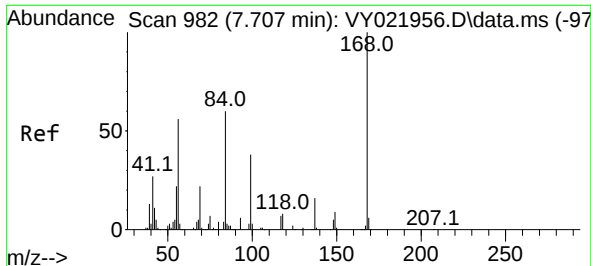
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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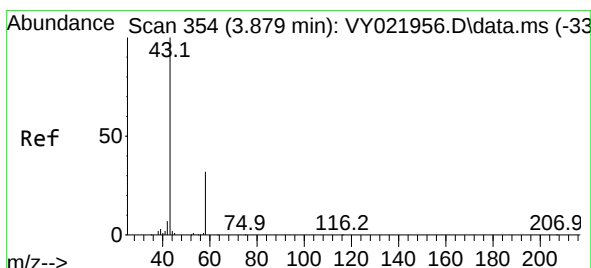
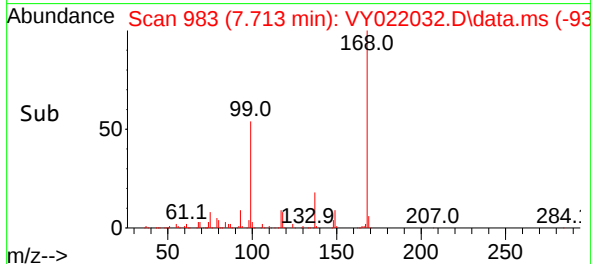
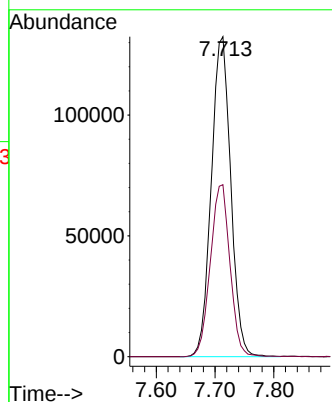
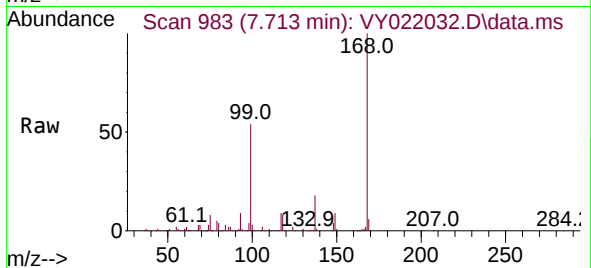




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022032.D
Acq: 28 Apr 2025 15:28

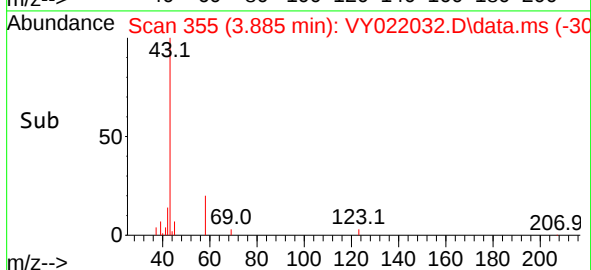
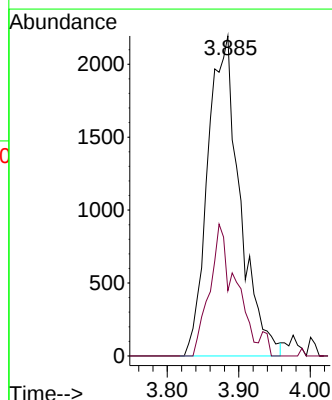
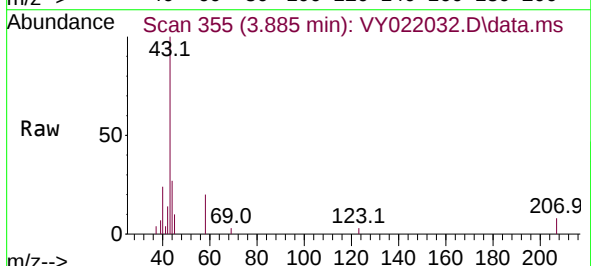
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

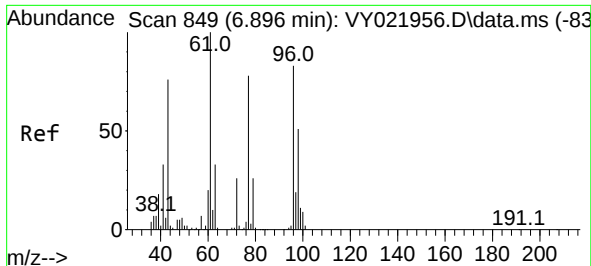
Tgt Ion:168 Resp: 304513
Ion Ratio Lower Upper
168 100
99 53.8 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022032.D
Acq: 28 Apr 2025 15:28

Tgt Ion: 43 Resp: 6838
Ion Ratio Lower Upper
43 100
58 20.4 27.0 40.4#

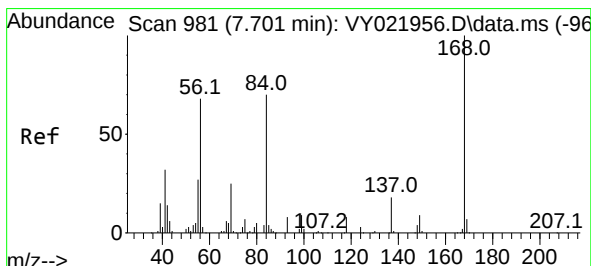
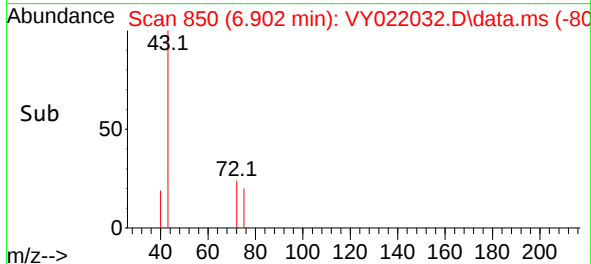
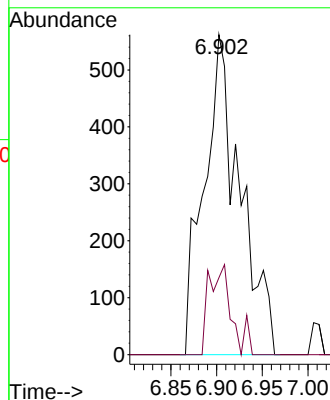
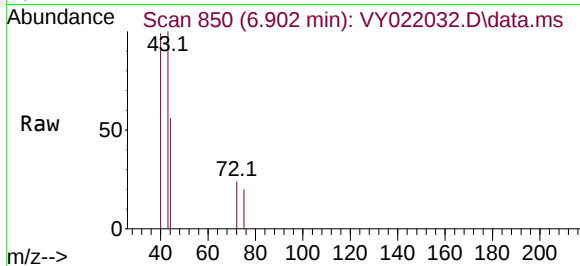




#25
2-Butanone
Concen: 2.397 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022032.D
Acq: 28 Apr 2025 15:28

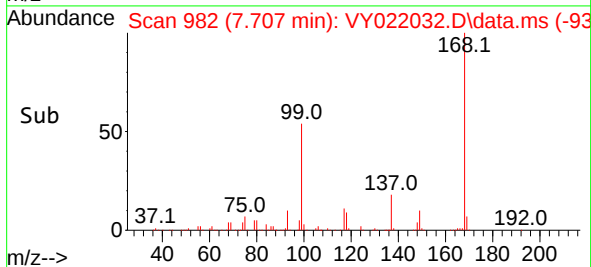
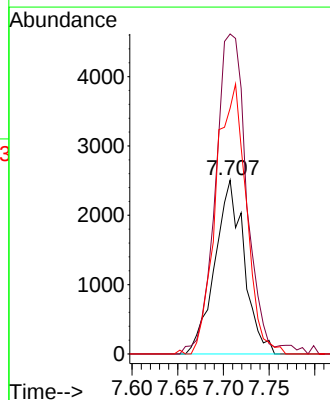
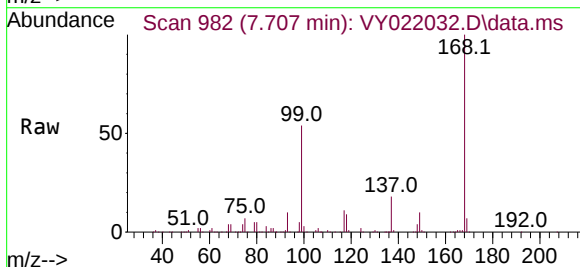
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

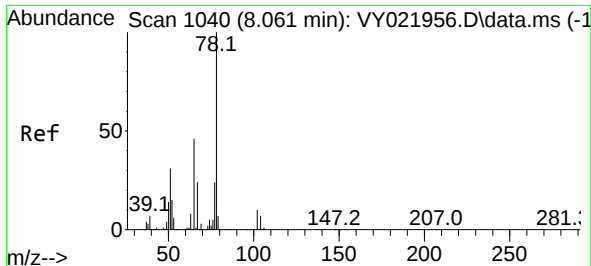
Tgt Ion: 43 Resp: 1537
Ion Ratio Lower Upper
43 100
72 24.0 27.0 40.4#



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022032.D
Acq: 28 Apr 2025 15:28

Tgt Ion: 56 Resp: 5570
Ion Ratio Lower Upper
56 100
69 184.1 29.4 44.2#
84 139.2 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 54.114 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022032.D

Acq: 28 Apr 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

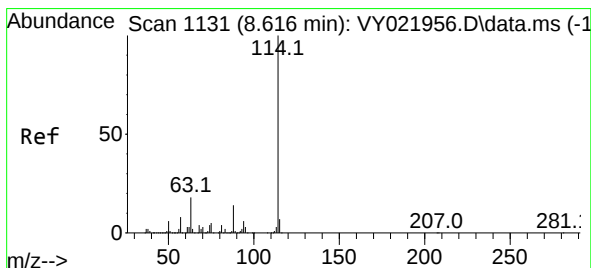
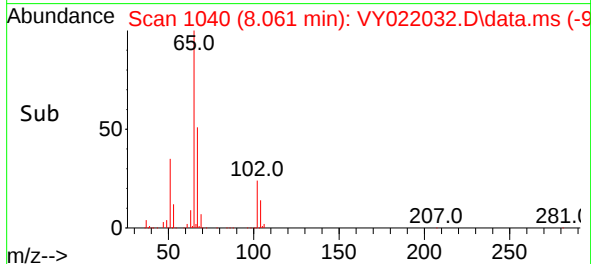
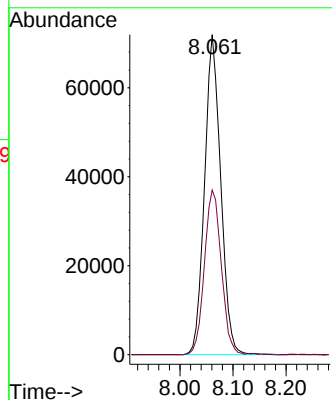
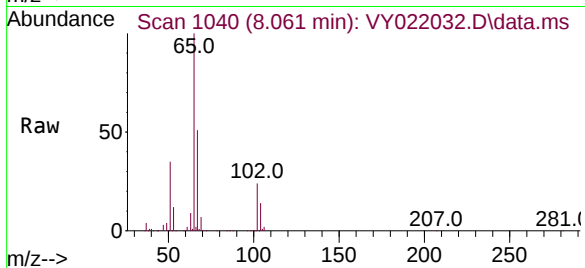
COMP-1

Tgt Ion: 65 Resp: 152207

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: VY022032.D

Acq: 28 Apr 2025 15:28

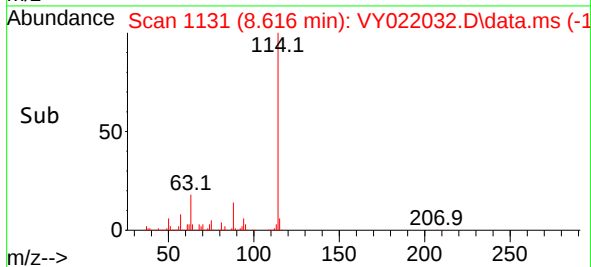
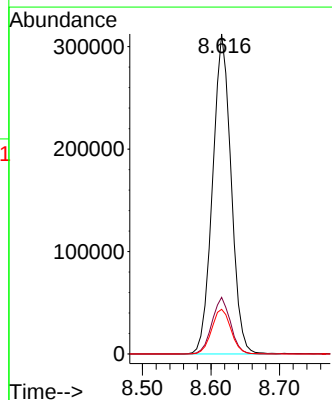
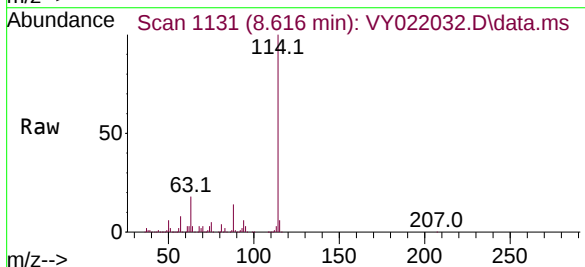
Tgt Ion: 114 Resp: 584934

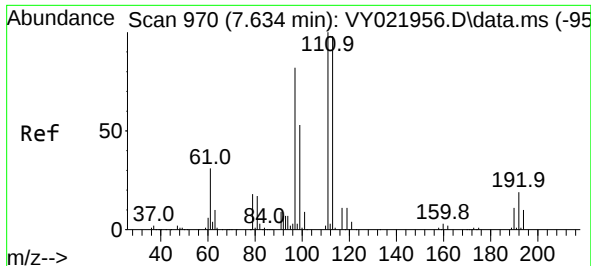
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.0 0.0 28.2

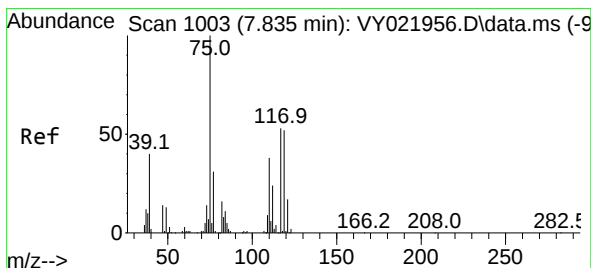
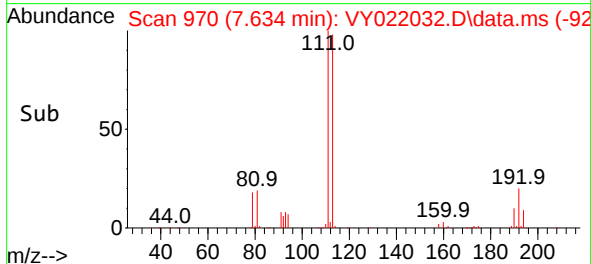
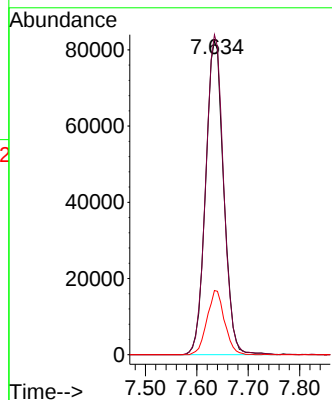
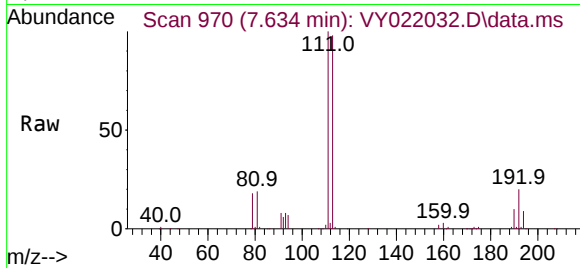




#35
Dibromofluoromethane
Concen: 51.946 ug/l
RT: 7.634 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY022032.D
Acq: 28 Apr 2025 15:28

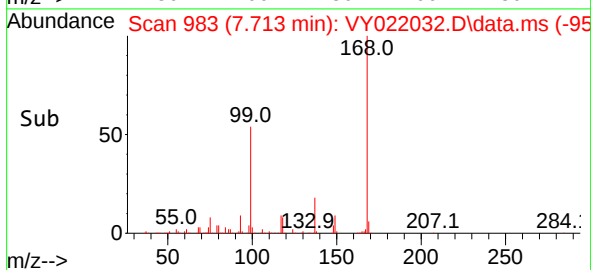
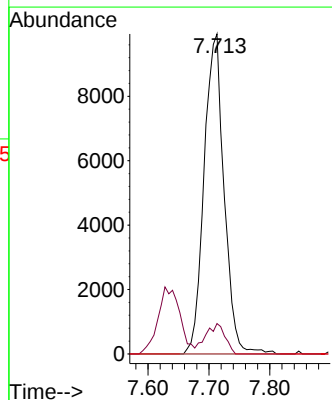
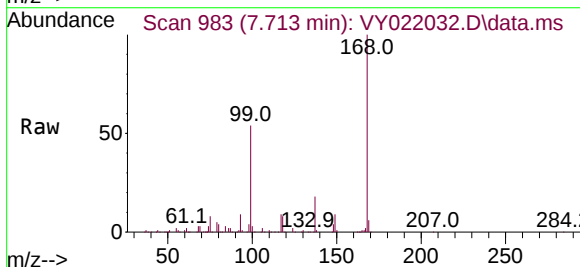
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

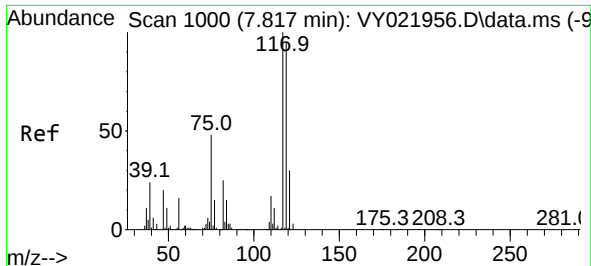
Tgt Ion:113 Resp: 200741
Ion Ratio Lower Upper
113 100
111 101.2 81.8 122.8
192 19.9 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.370 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022032.D
Acq: 28 Apr 2025 15:28

Tgt Ion: 75 Resp: 22683
Ion Ratio Lower Upper
75 100
110 9.2 19.1 57.3#
77 0.0 25.5 38.3#

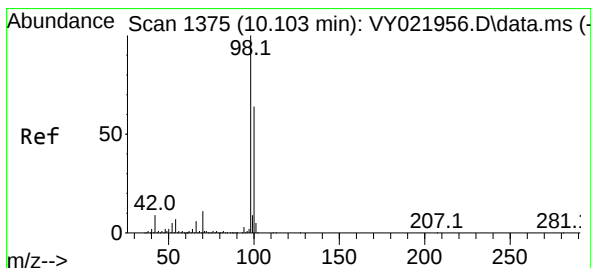
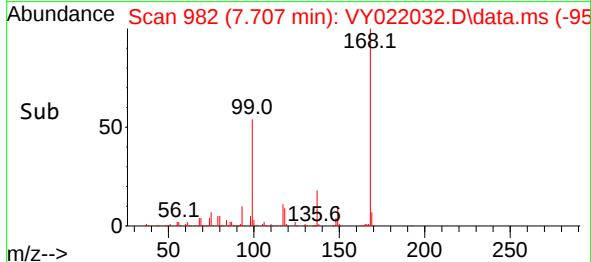
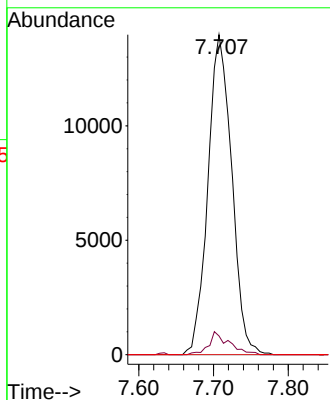
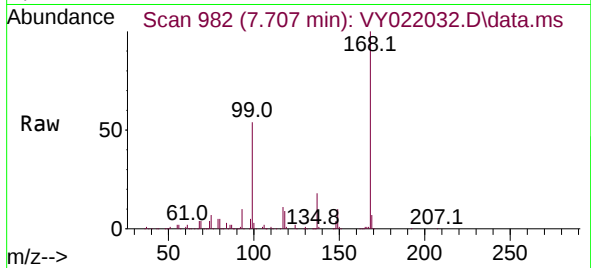




#38
Carbon Tetrachloride
Concen: 5.003 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022032.D
Acq: 28 Apr 2025 15:28

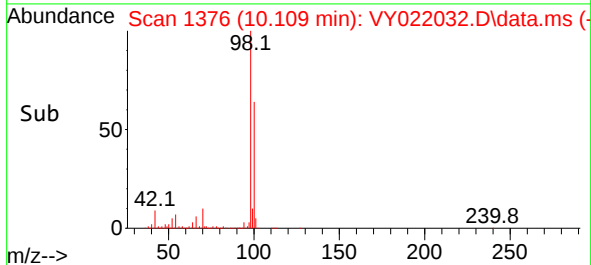
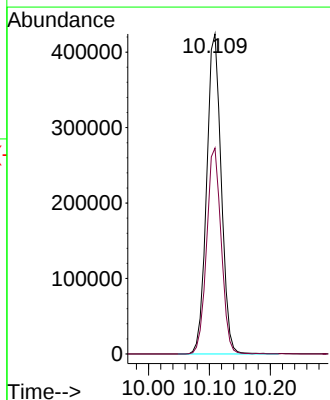
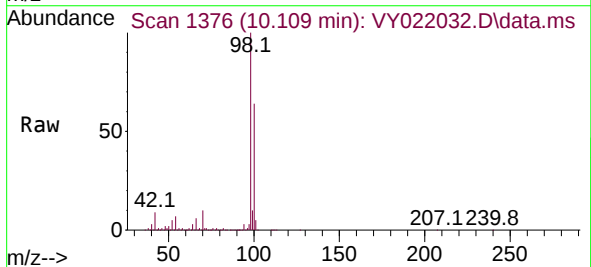
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

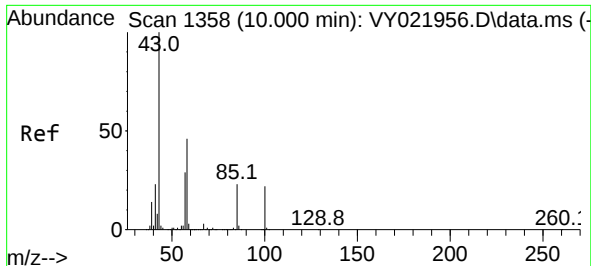
Tgt Ion:117 Resp: 31035
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.480 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022032.D
Acq: 28 Apr 2025 15:28

Tgt Ion: 98 Resp: 706293
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

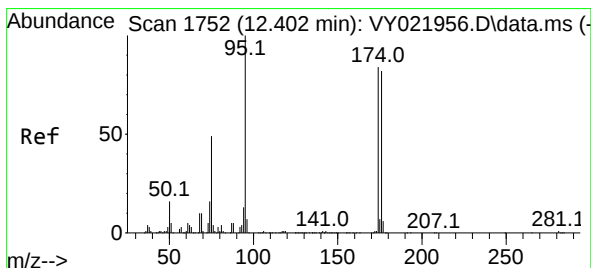
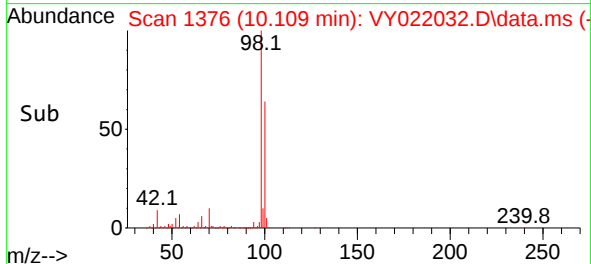
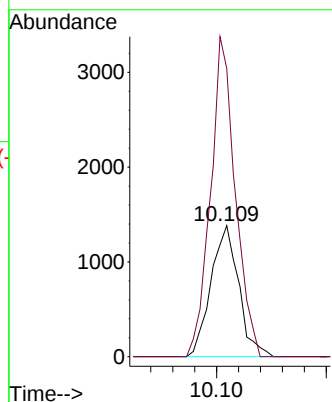
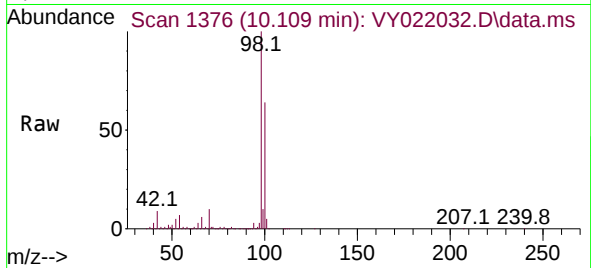




#51
4-Methyl-2-Pentanone
Concen: 1.296 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY022032.D
Acq: 28 Apr 2025 15:28

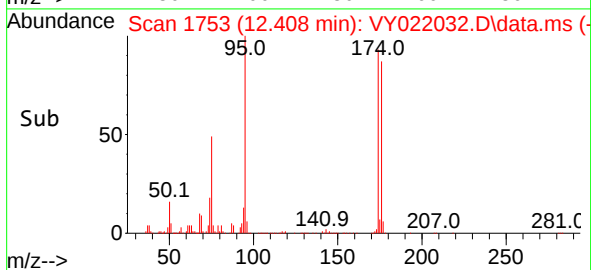
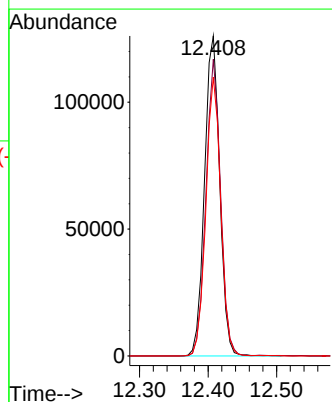
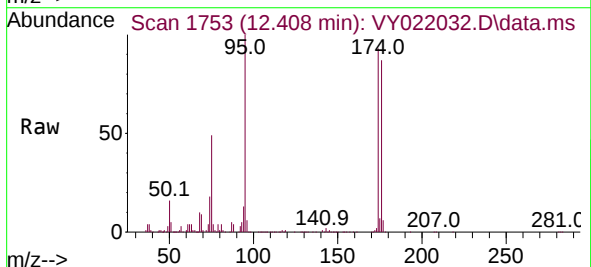
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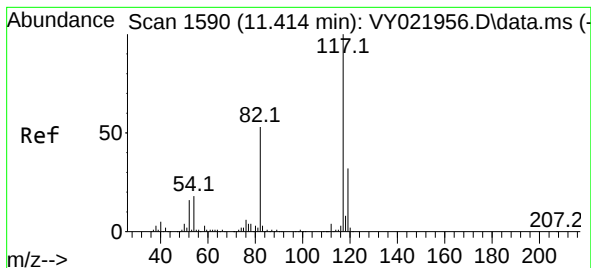
Tgt Ion: 43 Resp: 2432
Ion Ratio Lower Upper
43 100
58 217.5 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 39.638 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022032.D
Acq: 28 Apr 2025 15:28

Tgt Ion: 95 Resp: 194400
Ion Ratio Lower Upper
95 100
174 89.9 0.0 179.0
176 85.4 0.0 171.8

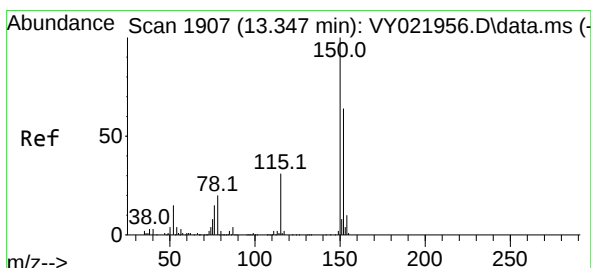
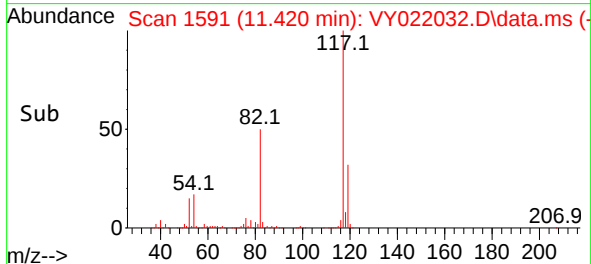
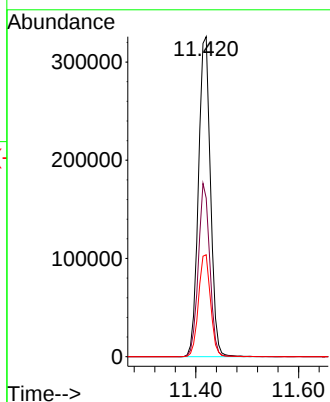
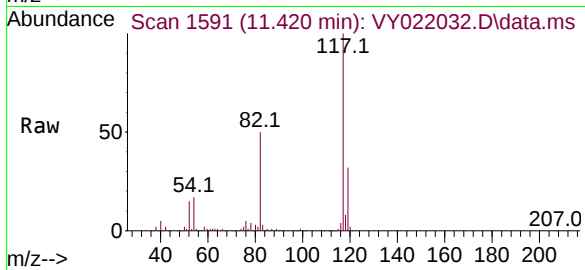




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022032.D
Acq: 28 Apr 2025 15:28

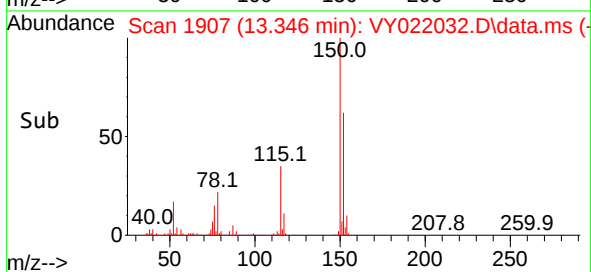
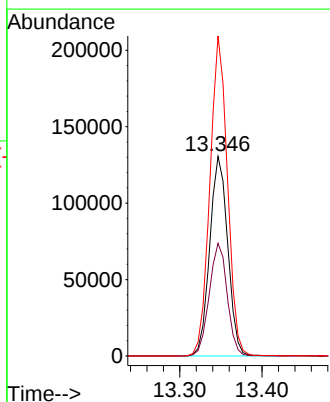
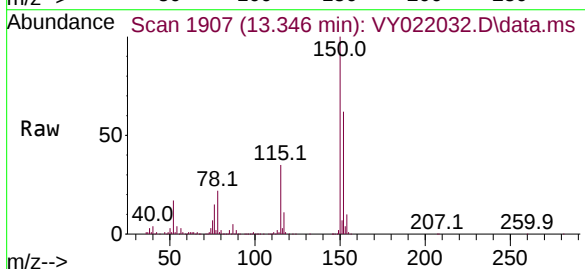
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

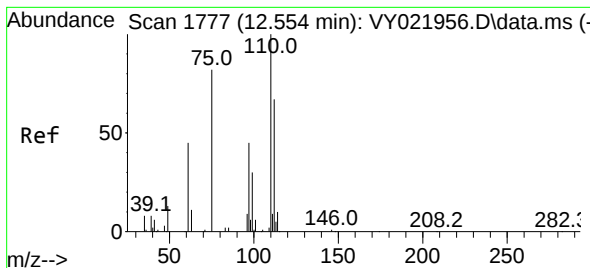
Tgt Ion:117 Resp: 527708
Ion Ratio Lower Upper
117 100
82 49.6 42.1 63.1
119 31.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022032.D
Acq: 28 Apr 2025 15:28

Tgt Ion:152 Resp: 198753
Ion Ratio Lower Upper
152 100
115 56.2 28.0 84.0
150 156.3 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 54.999 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022032.D

Acq: 28 Apr 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

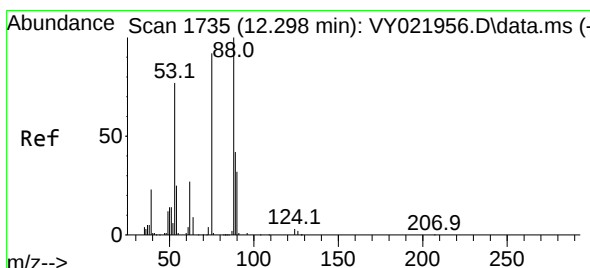
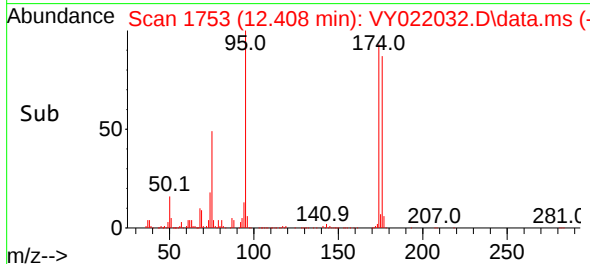
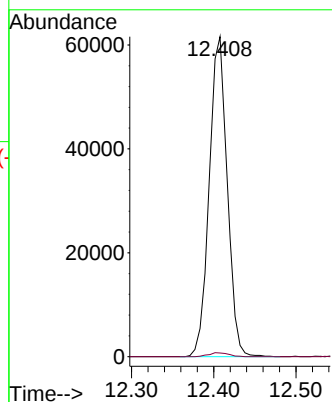
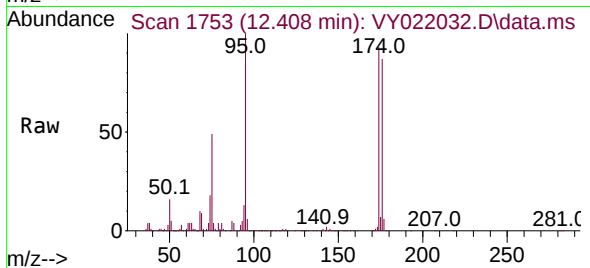
COMP-1

Tgt Ion: 75 Resp: 93632

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.447 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY022032.D

Acq: 28 Apr 2025 15:28

Tgt Ion: 75 Resp: 93632

Ion Ratio Lower Upper

75 100

53 0.2 66.0 99.0#

89 0.0 37.2 55.8#

