

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022224.D
 Acq On : 12 May 2025 15:03
 Operator : SY/MD
 Sample : Q1986-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-9

Quant Time: May 13 02:21:23 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)

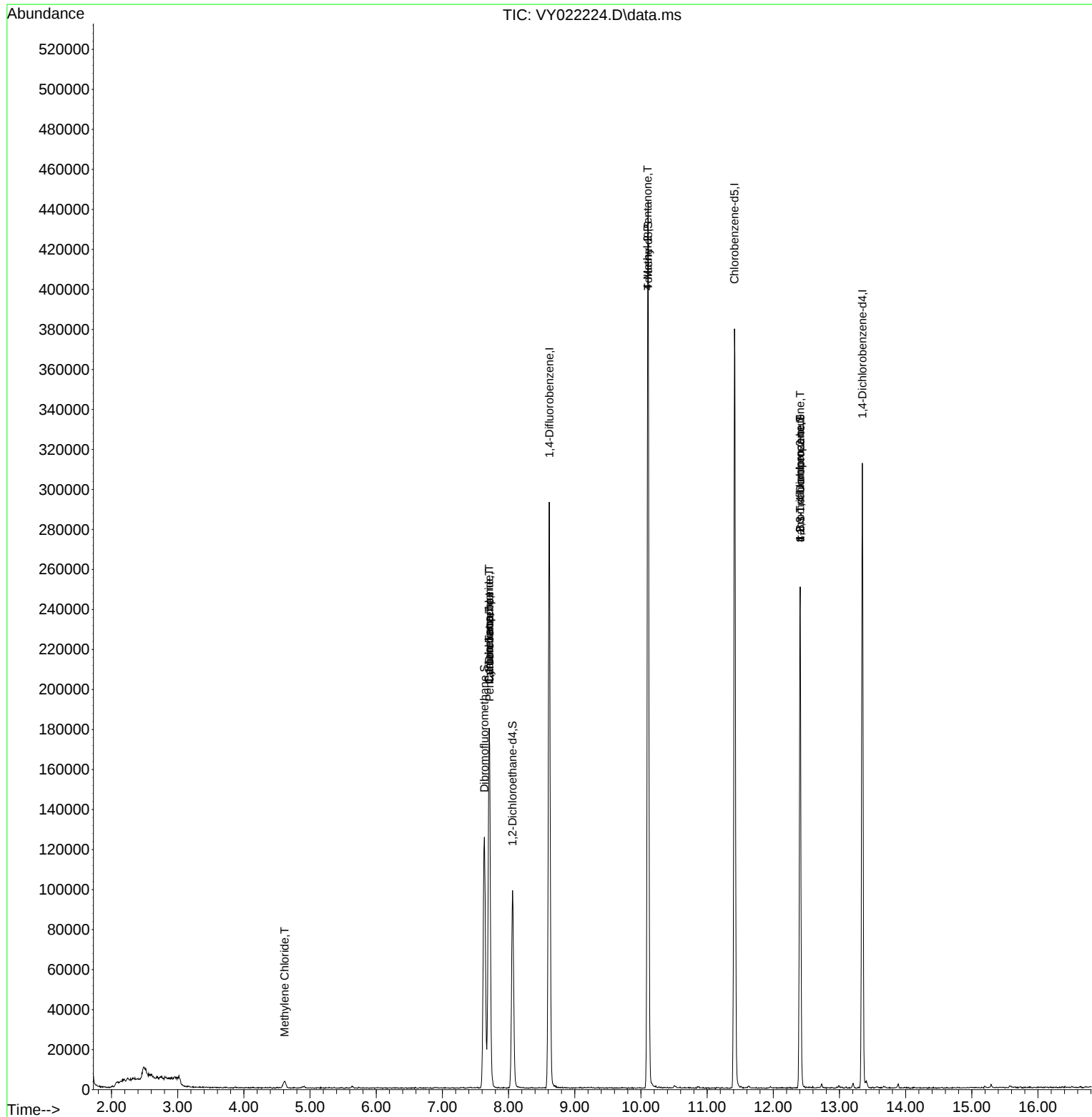
Internal Standards						
1) Pentafluorobenzene	7.713	168	141665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	253293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	212887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	81269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	76890	58.760	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.520%
35) Dibromofluoromethane	7.634	113	90606	54.145	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.300%
50) Toluene-d8	10.109	98	294795	46.729	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.460%
62) 4-Bromofluorobenzene	12.407	95	76695	36.113	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.220%
Target Compounds						
					Qvalue	
16) Acetone	3.878	43	422	Below Cal	#	86
20) Methylene Chloride	4.616	84	2714	1.640	ug/l #	79
31) Cyclohexane	7.707	56	2911	1.346	ug/l #	20
36) 1,1-Dichloropropene	7.707	75	10861	4.832	ug/l #	49
38) Carbon Tetrachloride	7.707	117	13698	5.100	ug/l #	19
51) 4-Methyl-2-Pentanone	10.103	43	1108	1.363	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	37681	54.131	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	37681	130.355	ug/l #	16

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

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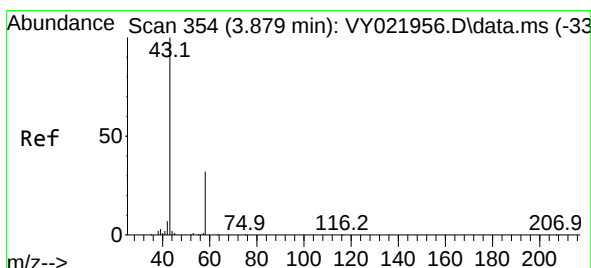
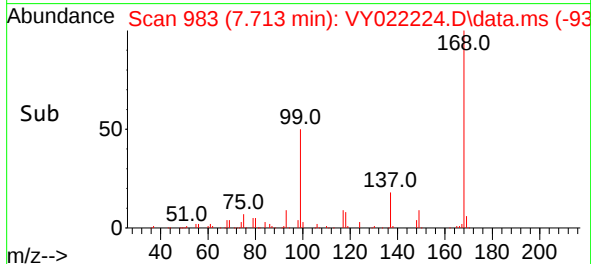
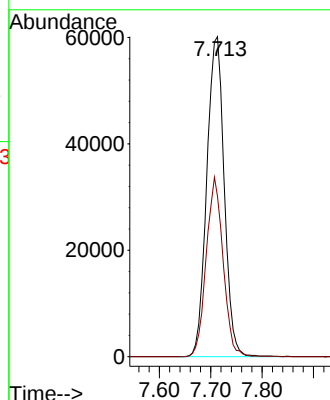
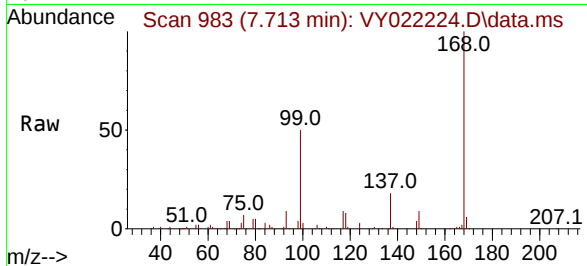




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

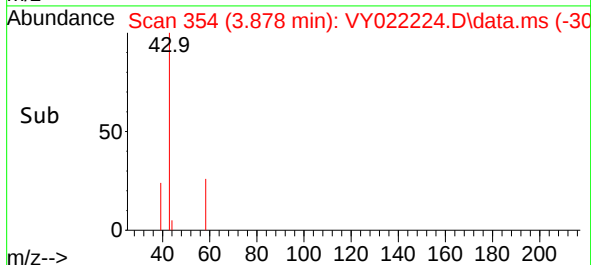
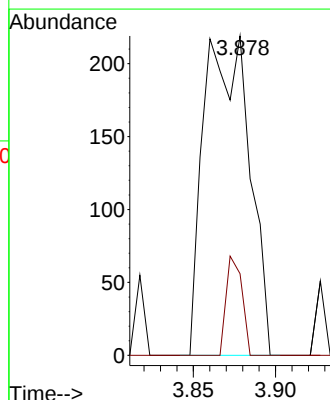
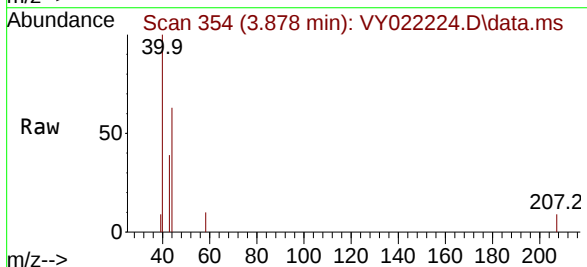
Instrument :
MSVOA_Y
ClientSampleId :
COMP-9

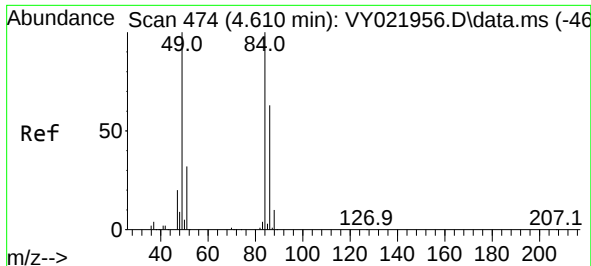
Tgt Ion:168 Resp: 141665
Ion Ratio Lower Upper
168 100
99 50.1 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.878 min Scan# 354
Delta R.T. -0.001 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
58 25.6 27.0 40.4#

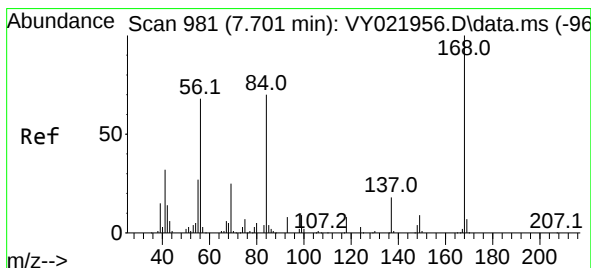
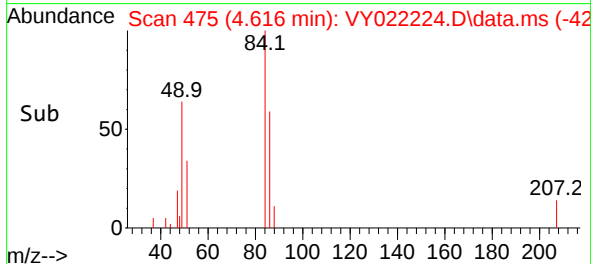
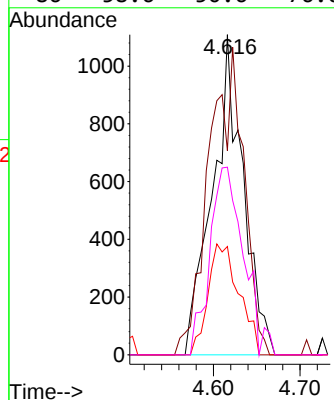
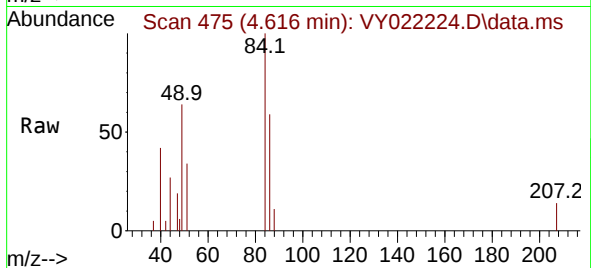




#20
Methylene Chloride
Concen: 1.640 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

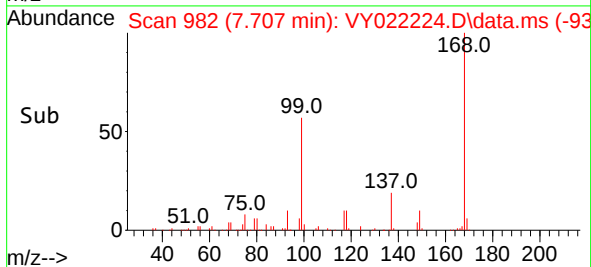
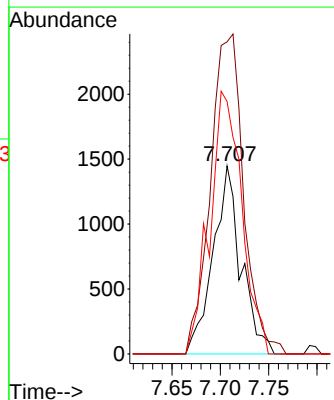
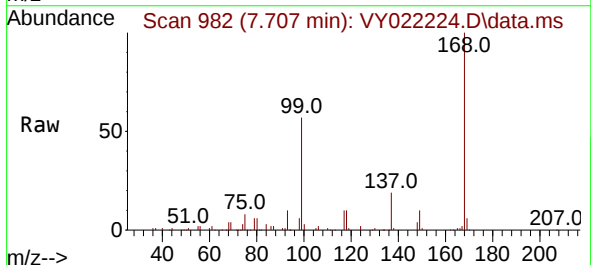
Instrument :
MSVOA_Y
ClientSampleId :
COMP-9

Tgt Ion:	84	Resp:	2714
Ion	Ratio	Lower	Upper
84	100		
49	63.8	79.9	119.9#
51	33.8	25.4	38.0
86	58.6	50.6	76.0



#31
Cyclohexane
Concen: 1.346 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

Tgt Ion:	56	Resp:	2911
Ion	Ratio	Lower	Upper
56	100		
69	166.1	29.4	44.2#
84	134.3	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 58.760 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022224.D

Acq: 12 May 2025 15:03

Instrument :

MSVOA_Y

ClientSampleId :

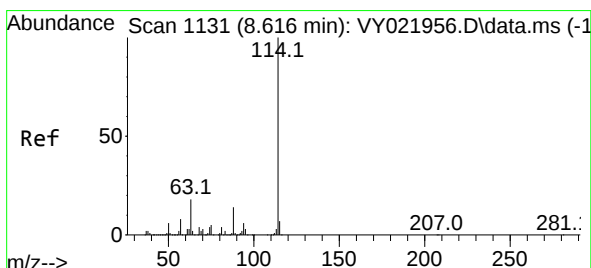
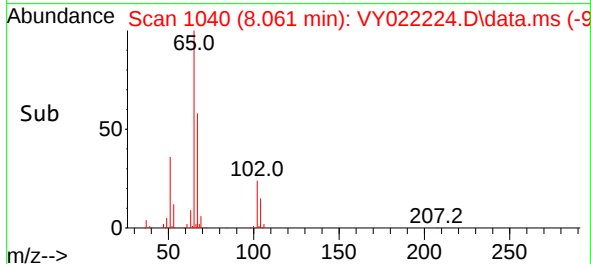
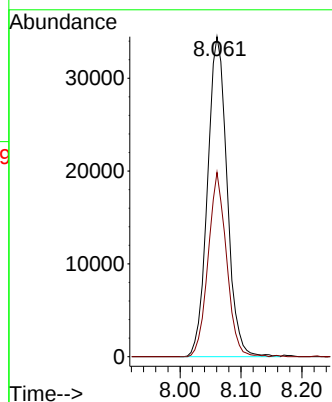
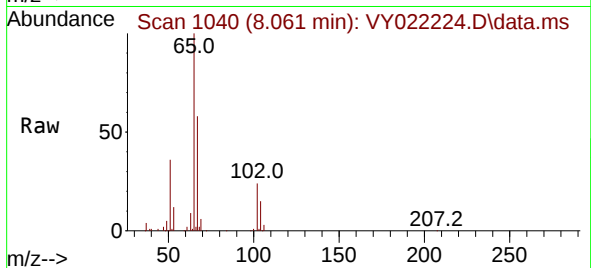
COMP-9

Tgt Ion: 65 Resp: 76890

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022224.D

Acq: 12 May 2025 15:03

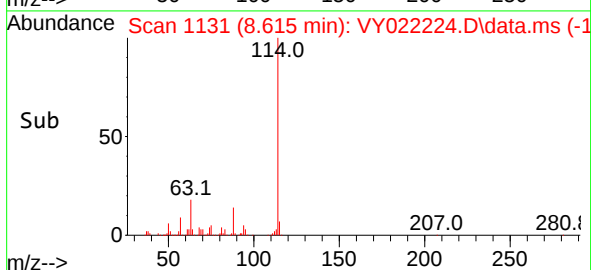
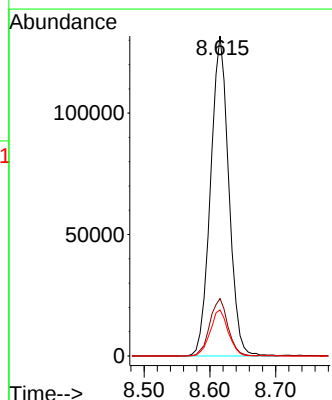
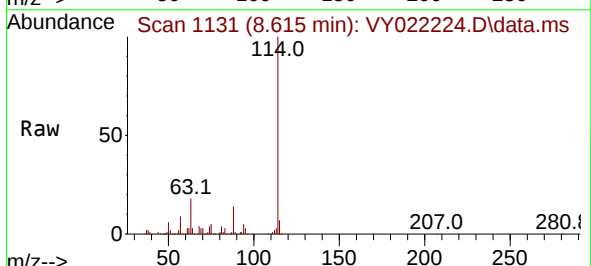
Tgt Ion: 114 Resp: 253293

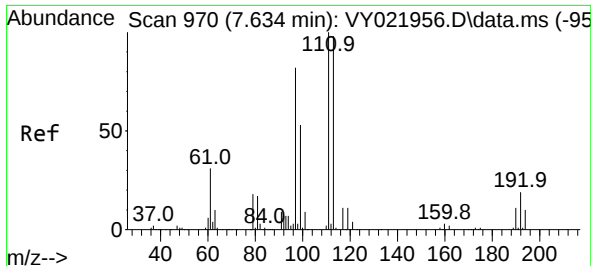
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 14.4 0.0 28.2

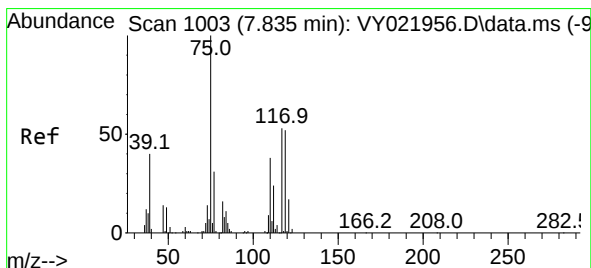
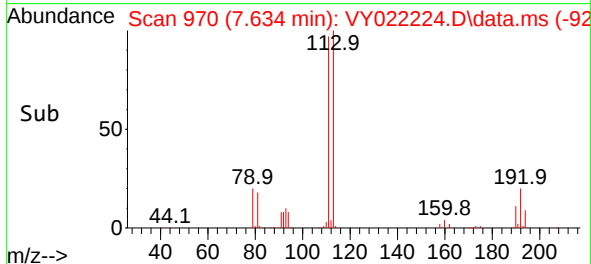
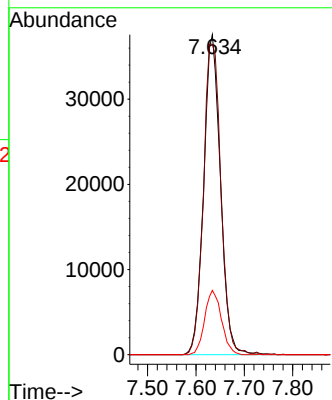
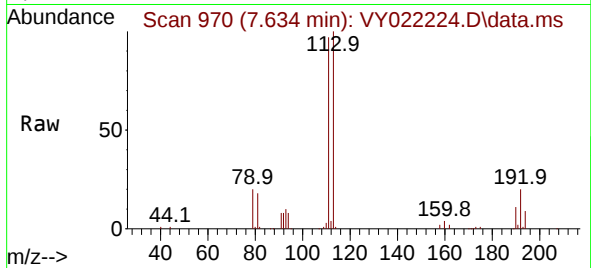




#35
Dibromofluoromethane
Concen: 54.145 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

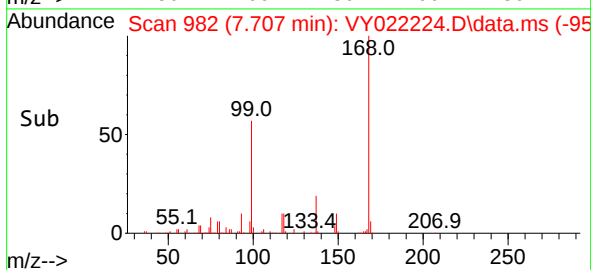
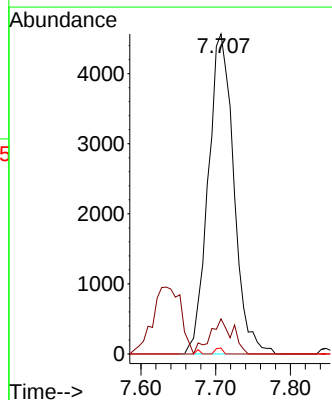
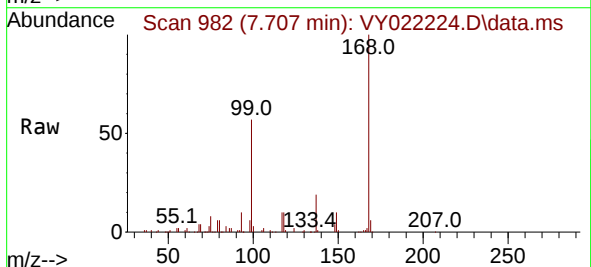
Instrument :
MSVOA_Y
ClientSampleId :
COMP-9

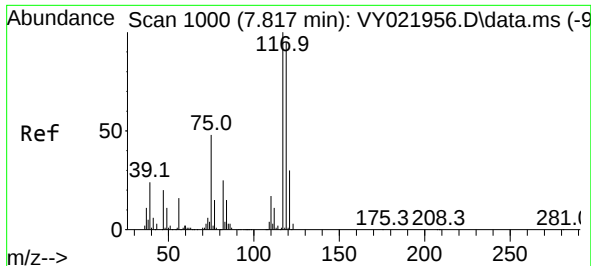
Tgt Ion:113 Resp: 90606
Ion Ratio Lower Upper
113 100
111 101.0 81.8 122.8
192 20.1 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.832 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

Tgt Ion: 75 Resp: 10861
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.5 25.5 38.3#

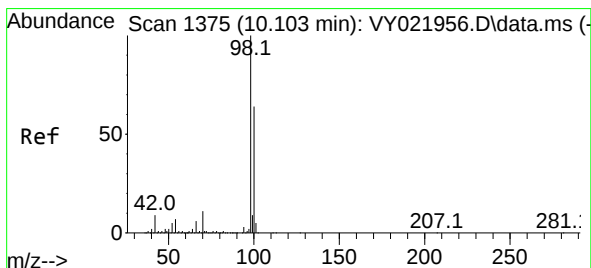
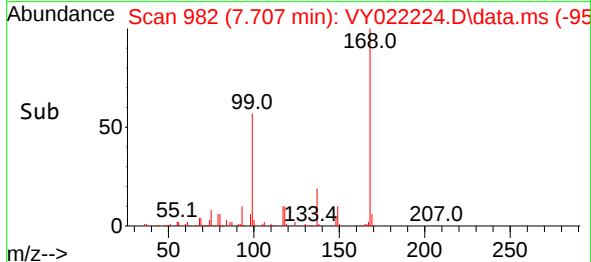
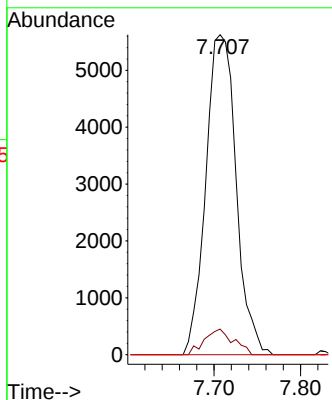
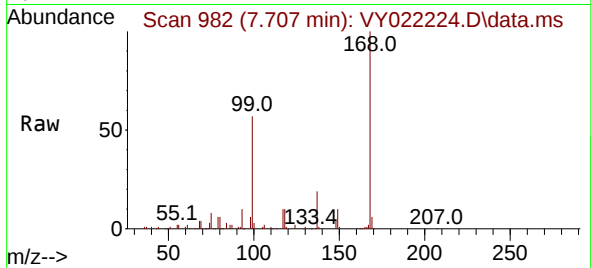




#38
Carbon Tetrachloride
Concen: 5.100 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

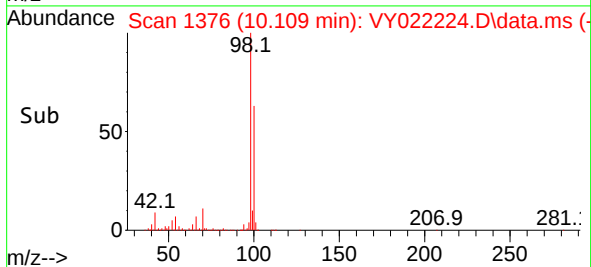
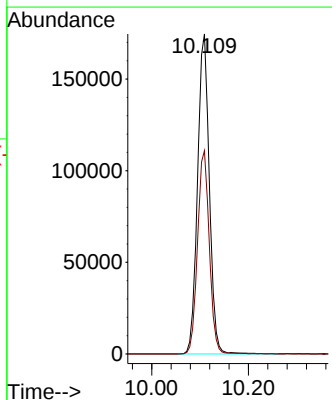
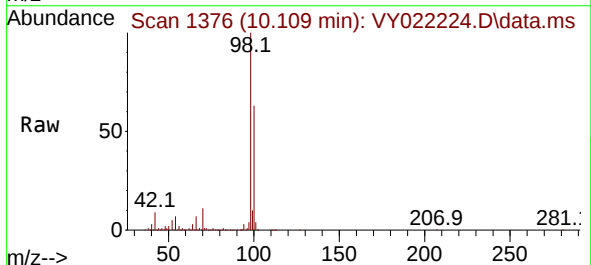
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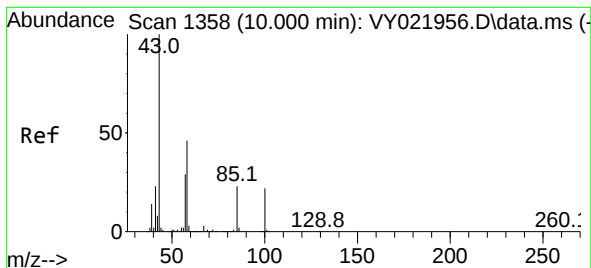
Tgt Ion:117 Resp: 13698
Ion Ratio Lower Upper
117 100
119 8.0 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.729 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

Tgt Ion: 98 Resp: 294795
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4

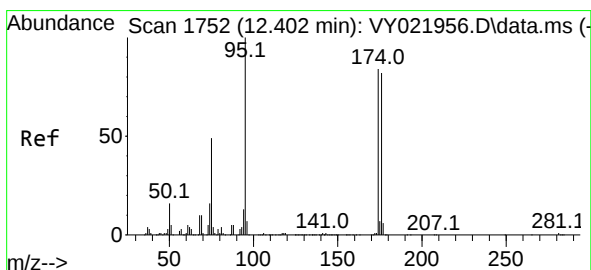
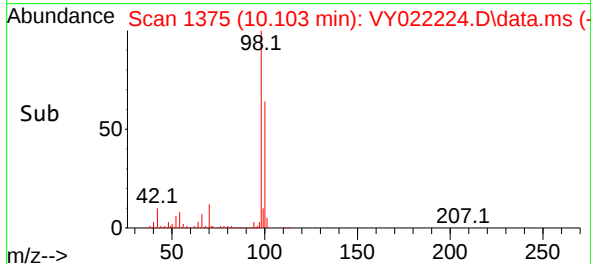
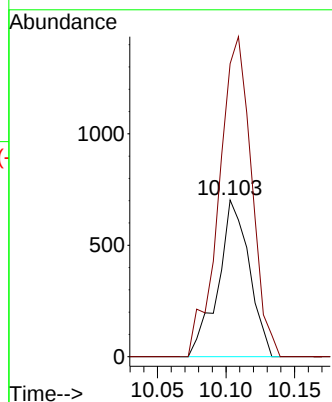
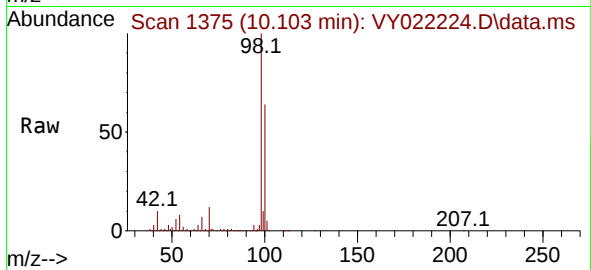




#51
4-Methyl-2-Pentanone
Concen: 1.363 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

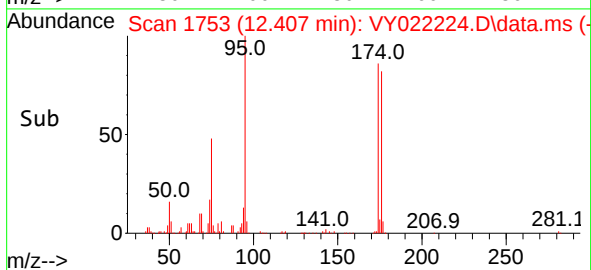
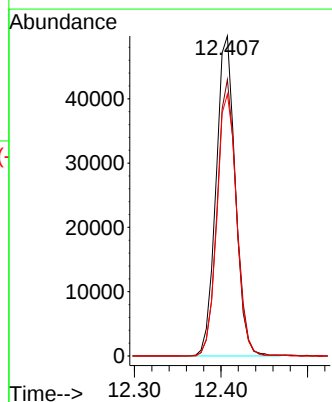
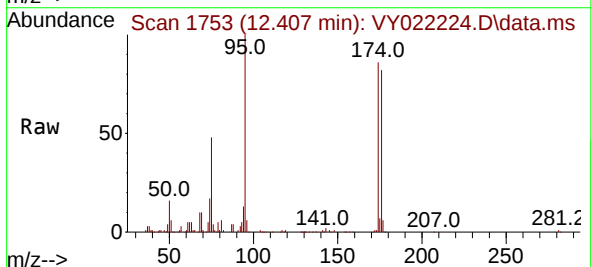
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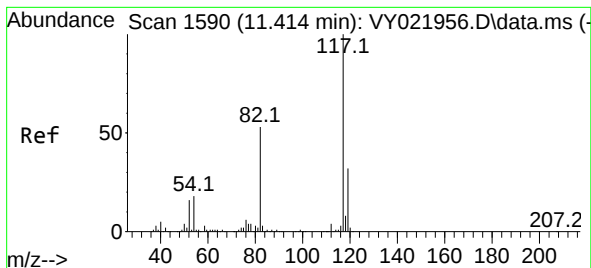
Tgt Ion: 43 Resp: 1108
Ion Ratio Lower Upper
43 100
58 214.3 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 36.113 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

Tgt Ion: 95 Resp: 76695
Ion Ratio Lower Upper
95 100
174 86.2 0.0 179.0
176 83.4 0.0 171.8

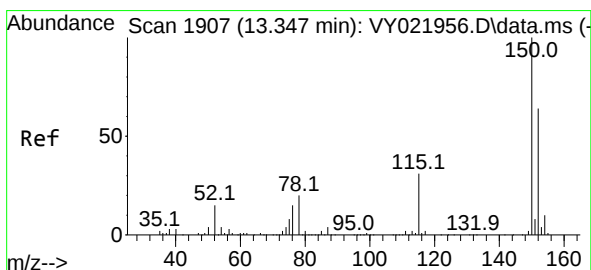
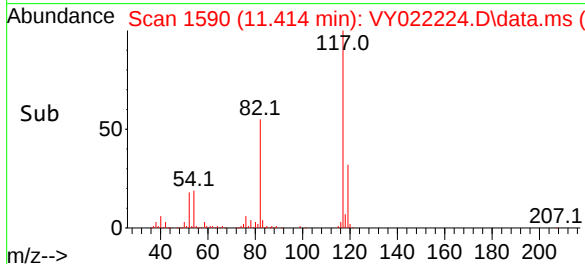
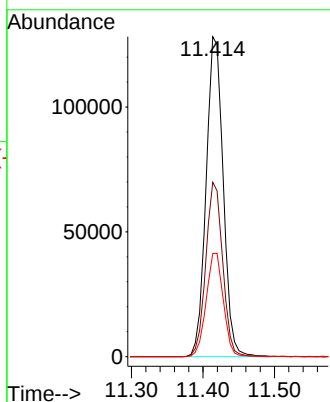
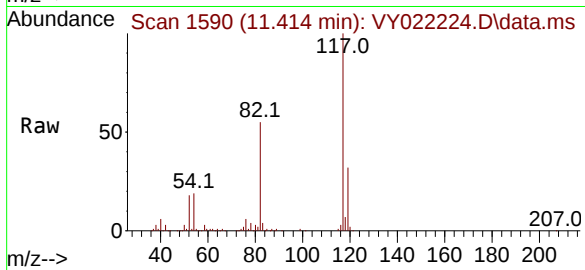




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

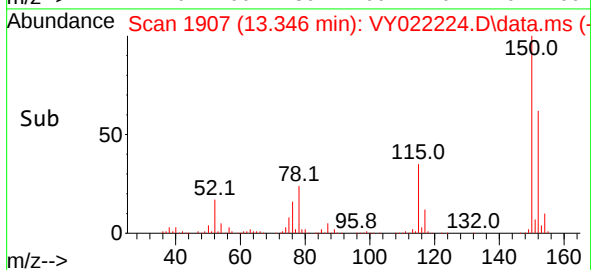
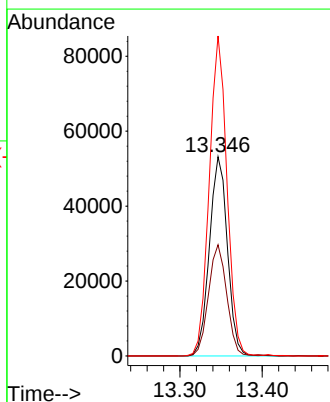
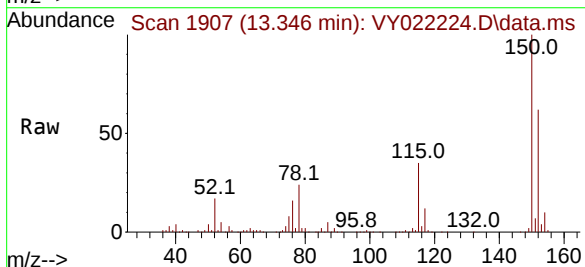
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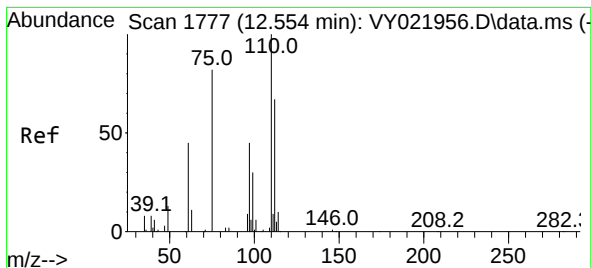
Tgt Ion:117 Resp: 212887
Ion Ratio Lower Upper
117 100
82 54.5 42.1 63.1
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

Tgt Ion:152 Resp: 81269
Ion Ratio Lower Upper
152 100
115 56.6 28.0 84.0
150 157.7 0.0 345.6

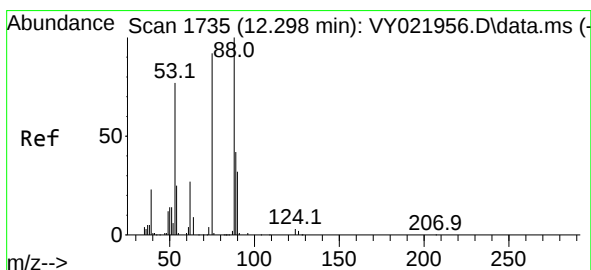
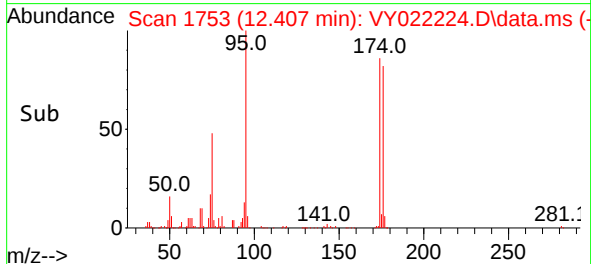
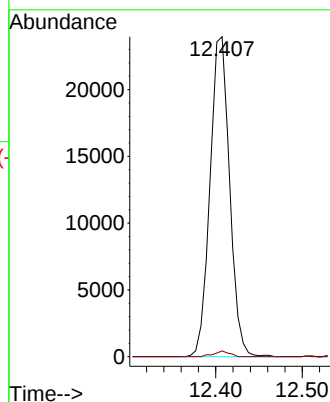
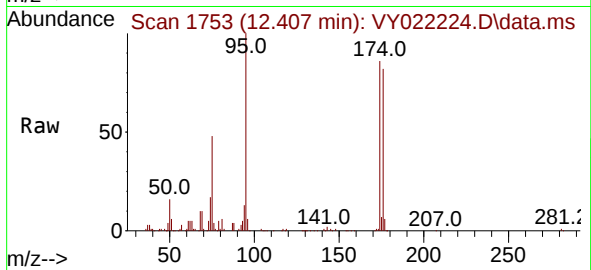




#76
1,2,3-Trichloropropane
Concen: 54.131 ug/l
RT: 12.407 min Scan# 1777
Delta R.T. -0.147 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

Instrument :
MSVOA_Y
ClientSampleId :
COMP-9

Tgt Ion: 75 Resp: 37681
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.355 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.109 min
Lab File: VY022224.D
Acq: 12 May 2025 15:03

Tgt Ion: 75 Resp: 37681
Ion Ratio Lower Upper
75 100
53 0.4 66.0 99.0#
89 0.0 37.2 55.8#

