

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051225\
 Data File : VY022223.D
 Acq On : 12 May 2025 14:40
 Operator : SY/MD
 Sample : Q1986-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-8

Quant Time: May 13 02:20:59 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)

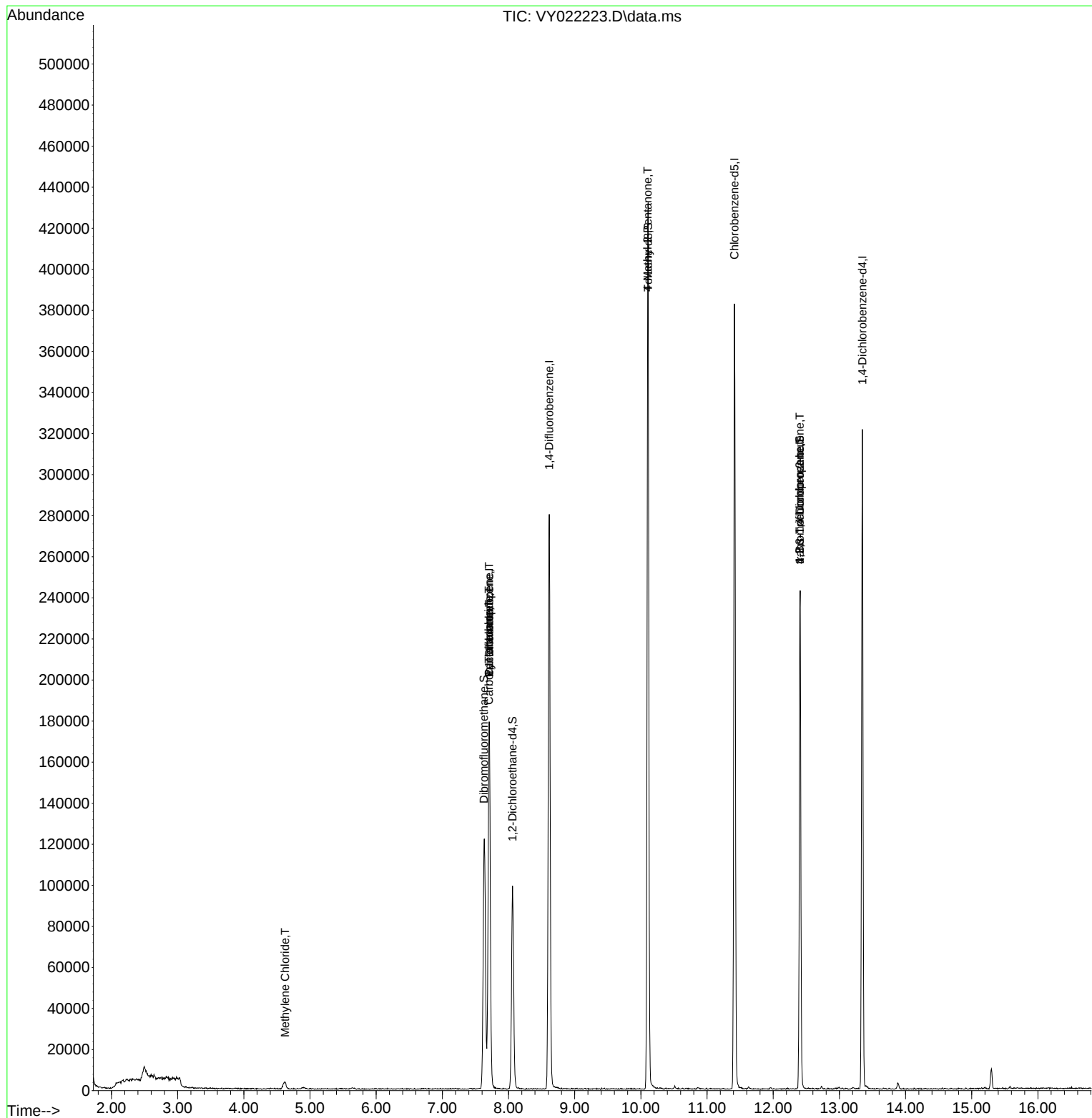
Internal Standards						
1) Pentafluorobenzene	7.707	168	138038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	245564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	212412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	81409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	77020	60.406	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.820%	
35) Dibromofluoromethane	7.628	113	89356	55.079	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.160%	
50) Toluene-d8	10.109	98	294509	48.153	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.300%	
62) 4-Bromofluorobenzene	12.402	95	74668	36.265	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 72.540%	
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	356	Below Cal	#	41
20) Methylene Chloride	4.623	84	2825	1.752	ug/l	90
31) Cyclohexane	7.707	56	3004	1.425	ug/l #	25
36) 1,1-Dichloropropene	7.707	75	10953	5.026	ug/l #	47
38) Carbon Tetrachloride	7.701	117	13930	5.349	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	1056	1.340	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	38104	54.644	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	38104	131.592	ug/l #	16

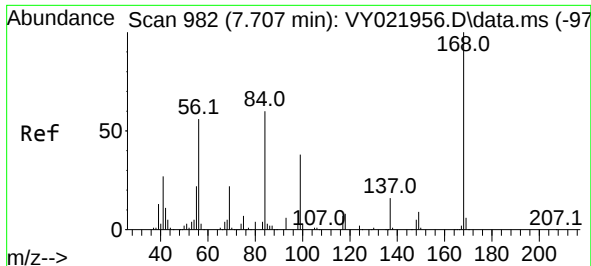
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

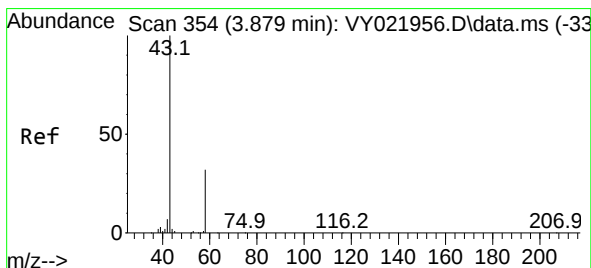
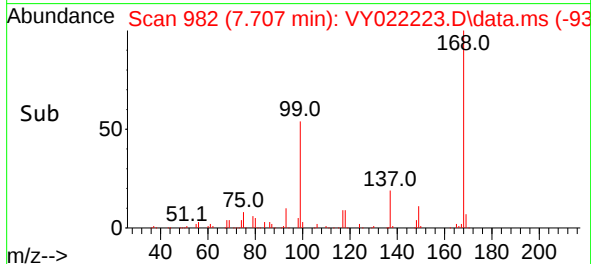
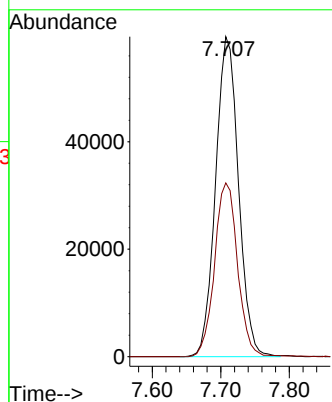
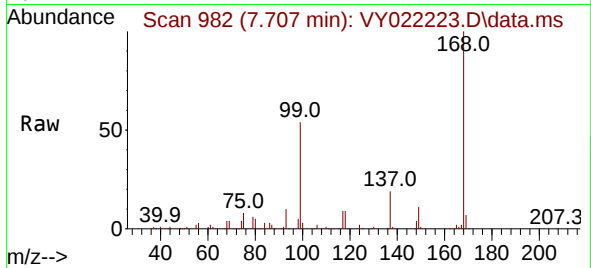




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022223.D
Acq: 12 May 2025 14:40

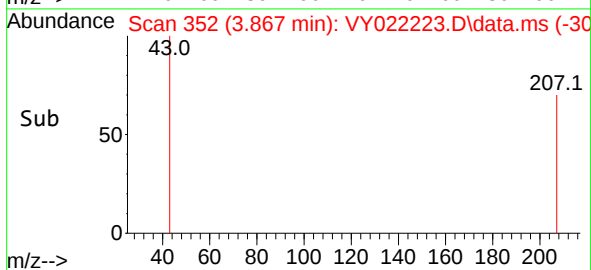
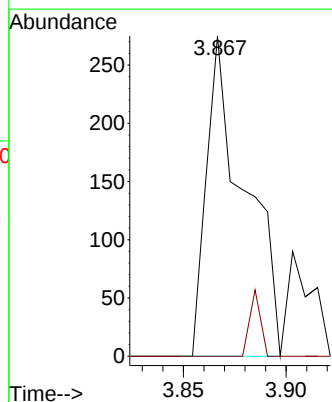
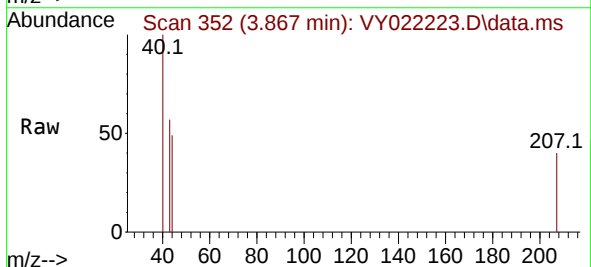
Instrument :
MSVOA_Y
ClientSampleId :
COMP-8

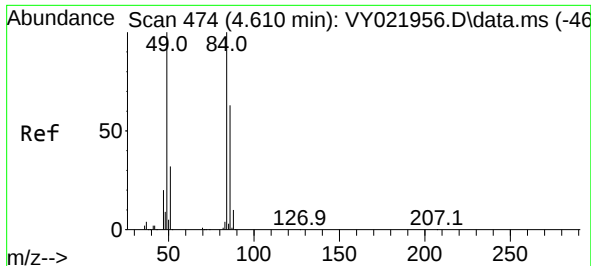
Tgt Ion:168 Resp: 138038
Ion Ratio Lower Upper
168 100
99 54.3 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022223.D
Acq: 12 May 2025 14:40

Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

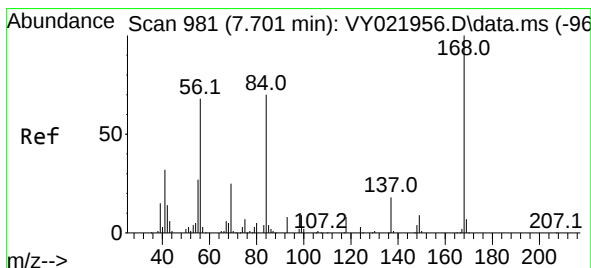
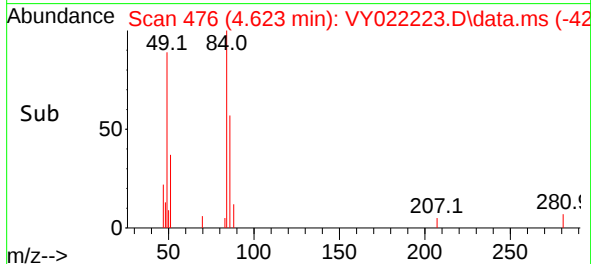
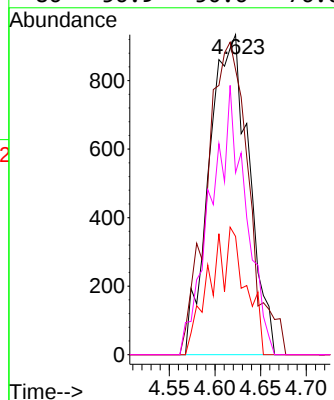
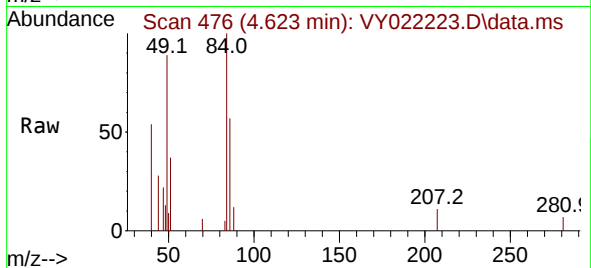




#20
Methylene Chloride
Concen: 1.752 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY022223.D
Acq: 12 May 2025 14:40

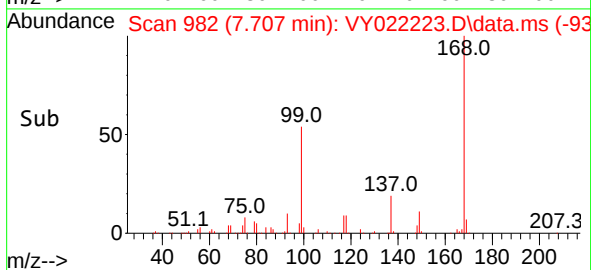
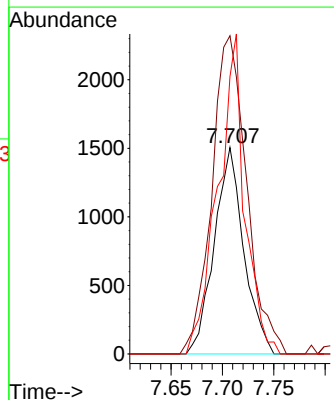
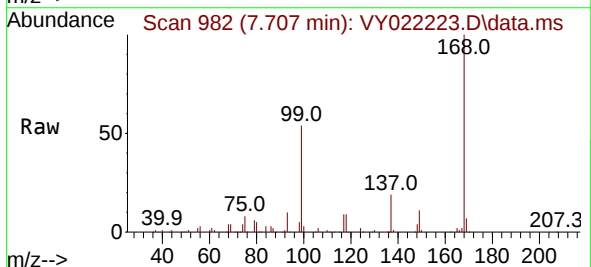
Instrument :
MSVOA_Y
ClientSampleId :
COMP-8

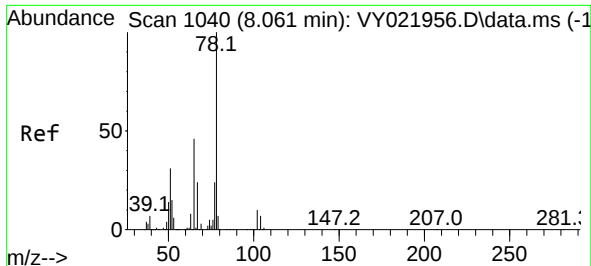
Tgt Ion:	84	Resp:	2825
Ion	Ratio	Lower	Upper
84	100		
49	89.1	79.9	119.9
51	36.9	25.4	38.0
86	56.9	50.6	76.0



#31
Cyclohexane
Concen: 1.425 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022223.D
Acq: 12 May 2025 14:40

Tgt Ion:	56	Resp:	3004
Ion	Ratio	Lower	Upper
56	100		
69	154.1	29.4	44.2#
84	134.3	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 60.406 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022223.D

Acq: 12 May 2025 14:40

Instrument :

MSVOA_Y

ClientSampleId :

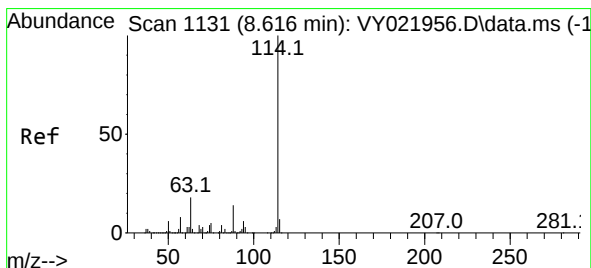
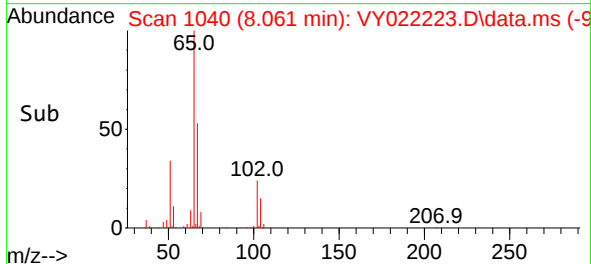
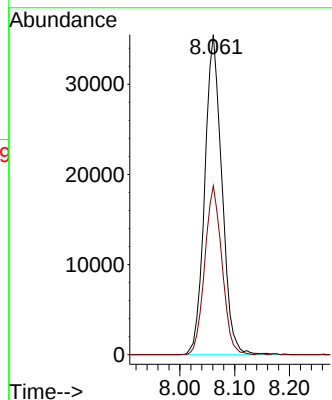
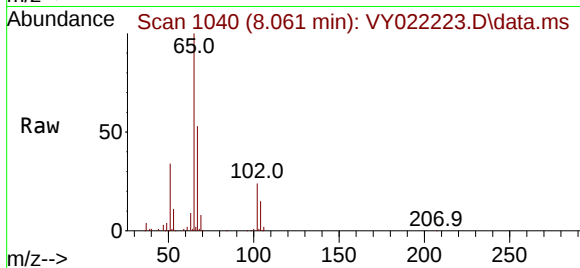
COMP-8

Tgt Ion: 65 Resp: 77020

Ion Ratio Lower Upper

65 100

67 52.9 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: VY022223.D

Acq: 12 May 2025 14:40

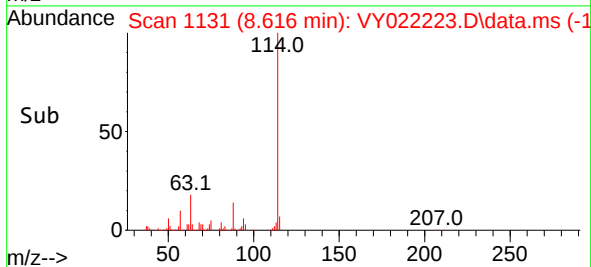
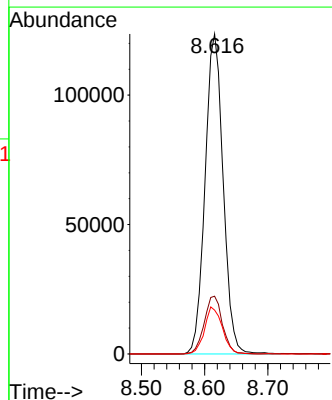
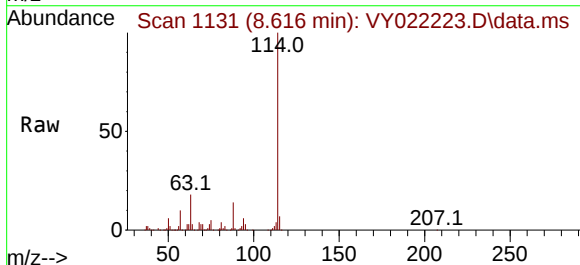
Tgt Ion: 114 Resp: 245564

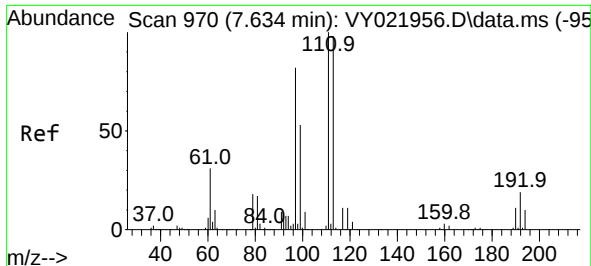
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.4

88 13.7 0.0 28.2

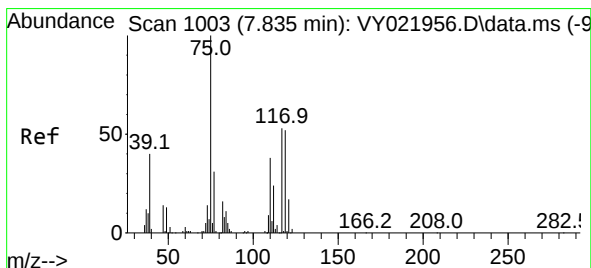
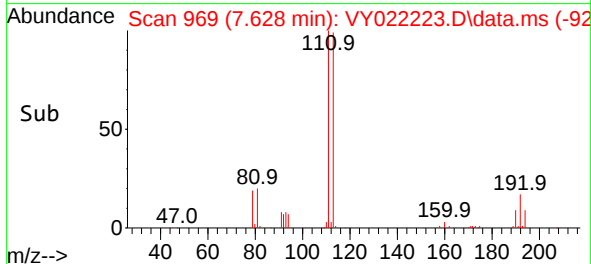
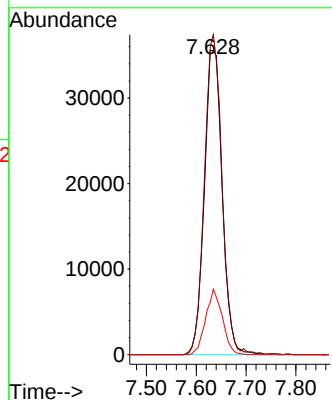
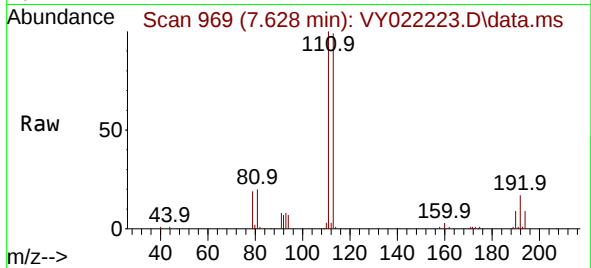




#35
Dibromofluoromethane
Concen: 55.079 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY022223.D
Acq: 12 May 2025 14:40

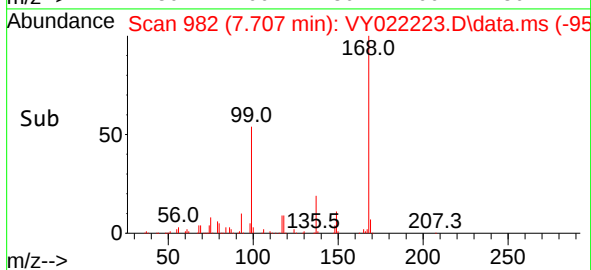
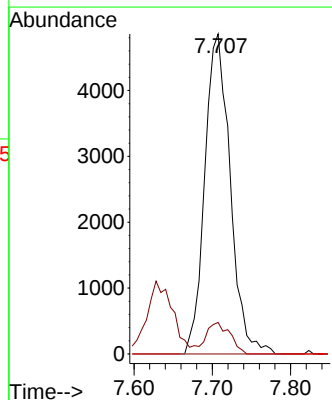
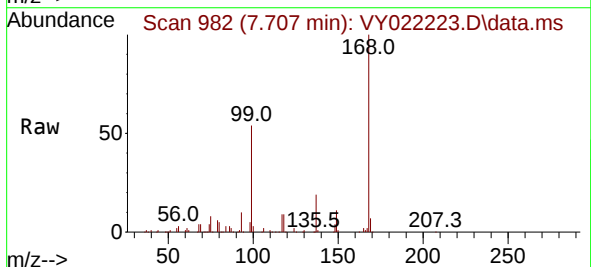
Instrument :
MSVOA_Y
ClientSampleId :
COMP-8

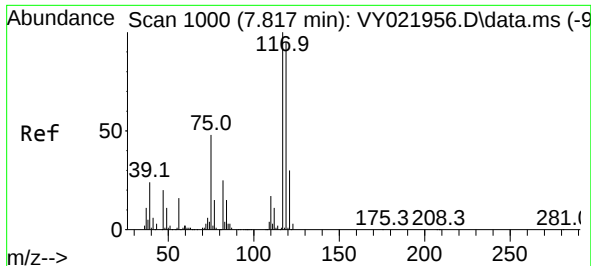
Tgt Ion:113 Resp: 89356
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 19.9 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.026 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022223.D
Acq: 12 May 2025 14:40

Tgt Ion: 75 Resp: 10953
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.3#
77 0.0 25.5 38.3#

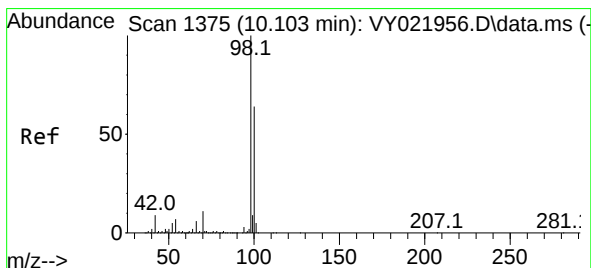
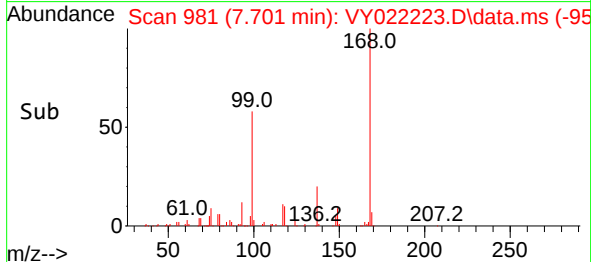
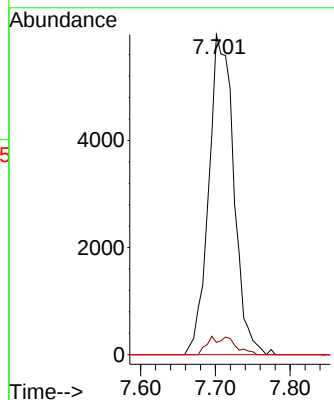
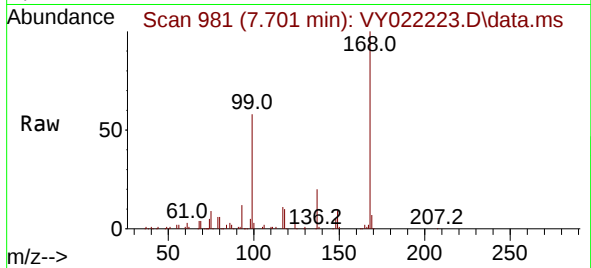




#38
Carbon Tetrachloride
Concen: 5.349 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022223.D
Acq: 12 May 2025 14:40

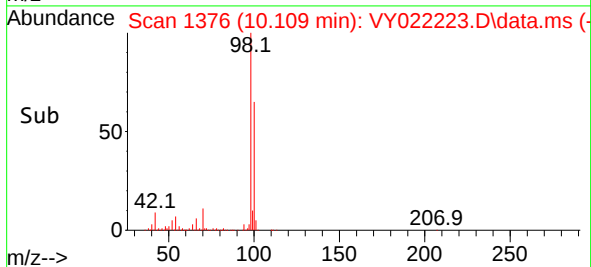
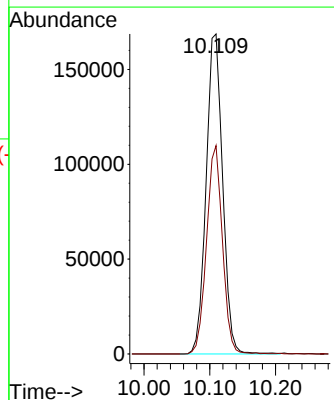
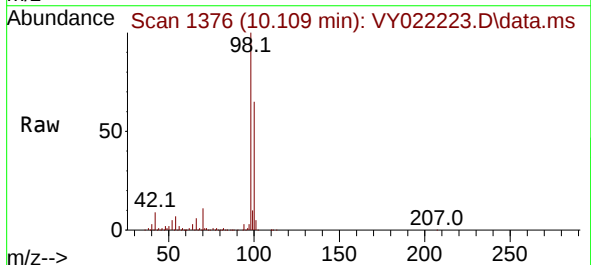
Instrument :
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ClientSampleId :
COMP-8

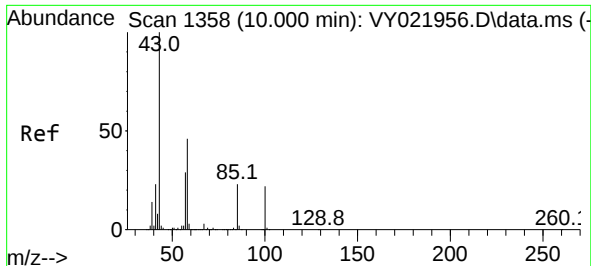
Tgt Ion:117 Resp: 13930
Ion Ratio Lower Upper
117 100
119 3.8 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.153 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022223.D
Acq: 12 May 2025 14:40

Tgt Ion: 98 Resp: 294509
Ion Ratio Lower Upper
98 100
100 62.7 51.6 77.4

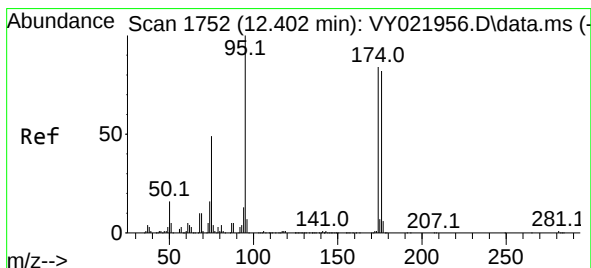
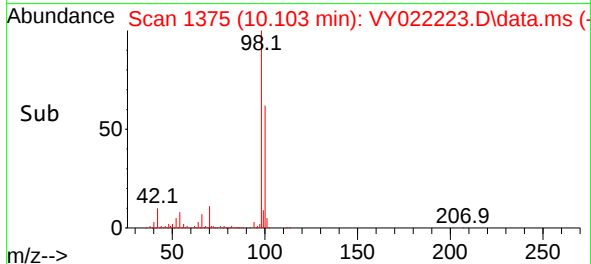
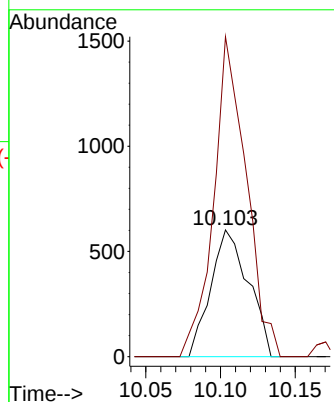
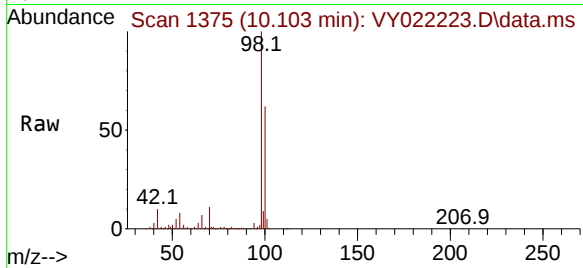




#51
4-Methyl-2-Pentanone
Concen: 1.340 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY022223.D
Acq: 12 May 2025 14:40

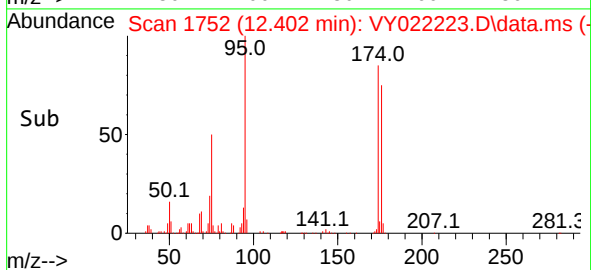
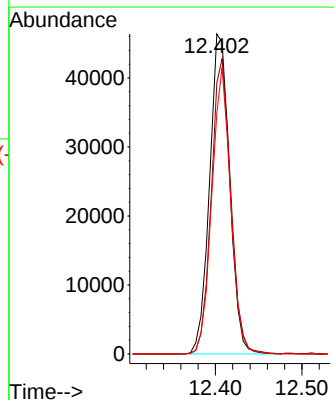
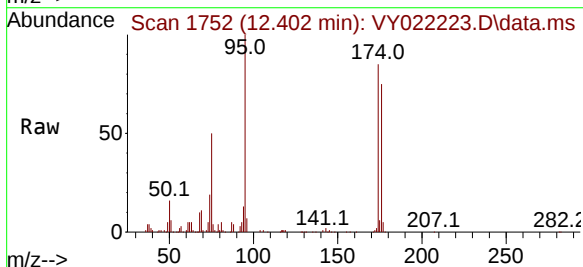
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COMP-8

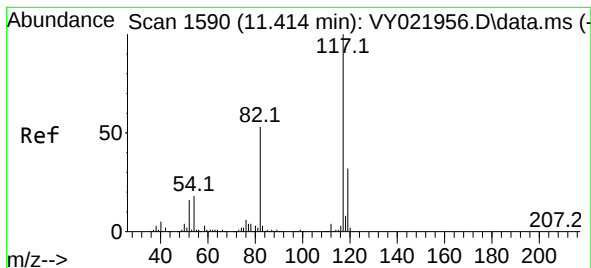
Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 217.9 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 36.265 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY022223.D
Acq: 12 May 2025 14:40

Tgt Ion: 95 Resp: 74668
Ion Ratio Lower Upper
95 100
174 89.6 0.0 179.0
176 83.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022223.D

Acq: 12 May 2025 14:40

Instrument :

MSVOA_Y

ClientSampleId :

COMP-8

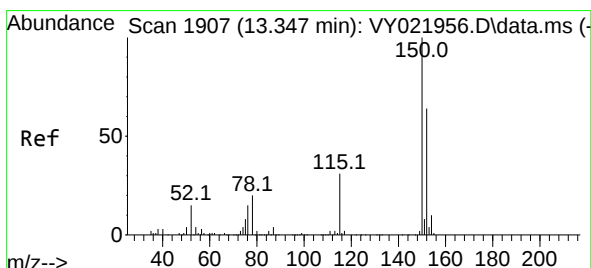
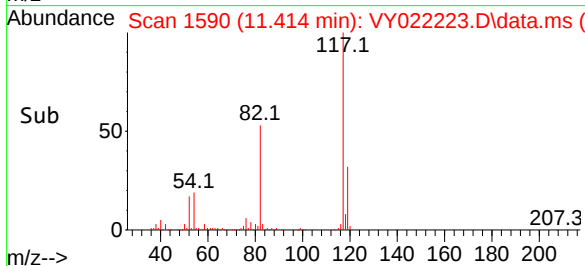
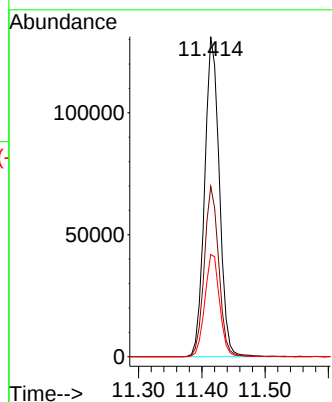
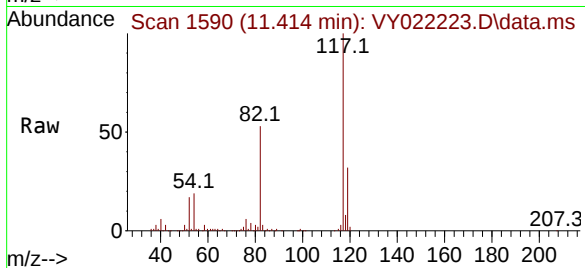
Tgt Ion:117 Resp: 212412

Ion Ratio Lower Upper

117 100

82 53.2 42.1 63.1

119 31.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022223.D

Acq: 12 May 2025 14:40

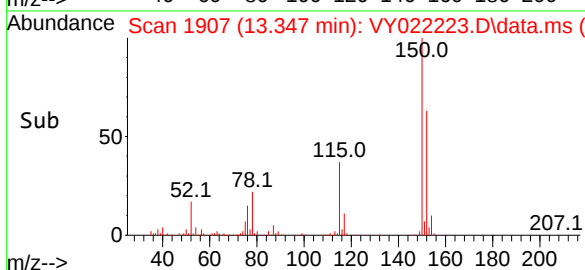
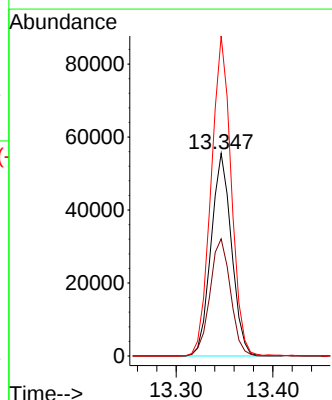
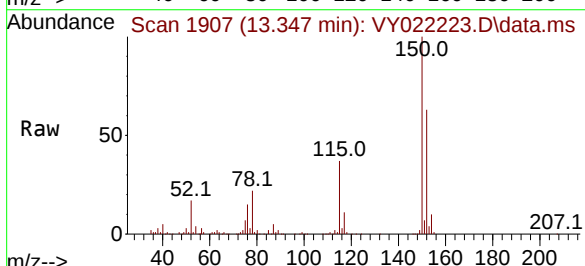
Tgt Ion:152 Resp: 81409

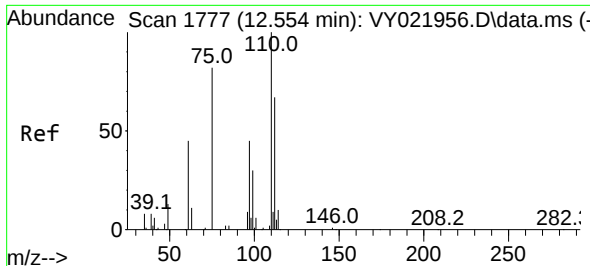
Ion Ratio Lower Upper

152 100

115 58.1 28.0 84.0

150 155.8 0.0 345.6

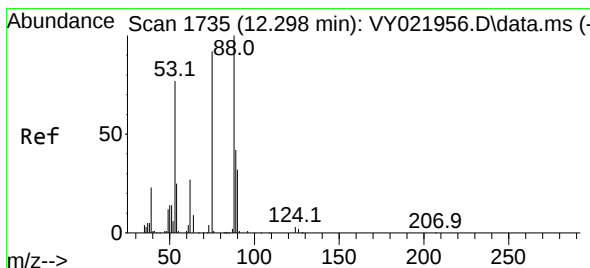
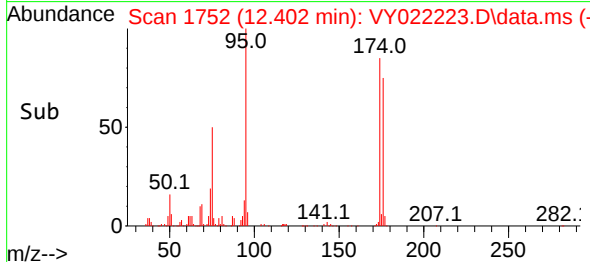
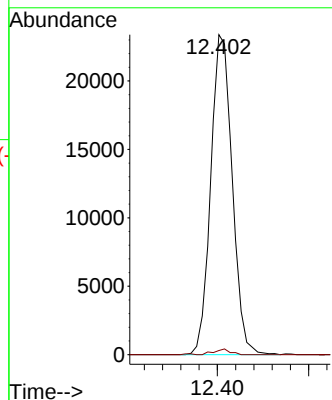
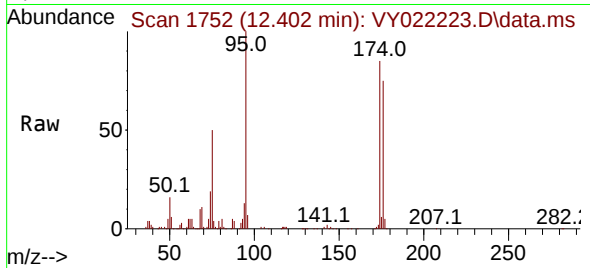




#76
1,2,3-Trichloropropane
Concen: 54.644 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022223.D
Acq: 12 May 2025 14:40

Instrument :
MSVOA_Y
ClientSampleId :
COMP-8

Tgt Ion: 75 Resp: 38104
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.592 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY022223.D
Acq: 12 May 2025 14:40

Tgt Ion: 75 Resp: 38104
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 37.2 55.8#

