

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022189.D
 Acq On : 07 May 2025 13:13
 Operator : SY/MD
 Sample : Q1968-07
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-M-VOC

Quant Time: May 08 01:42:10 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)

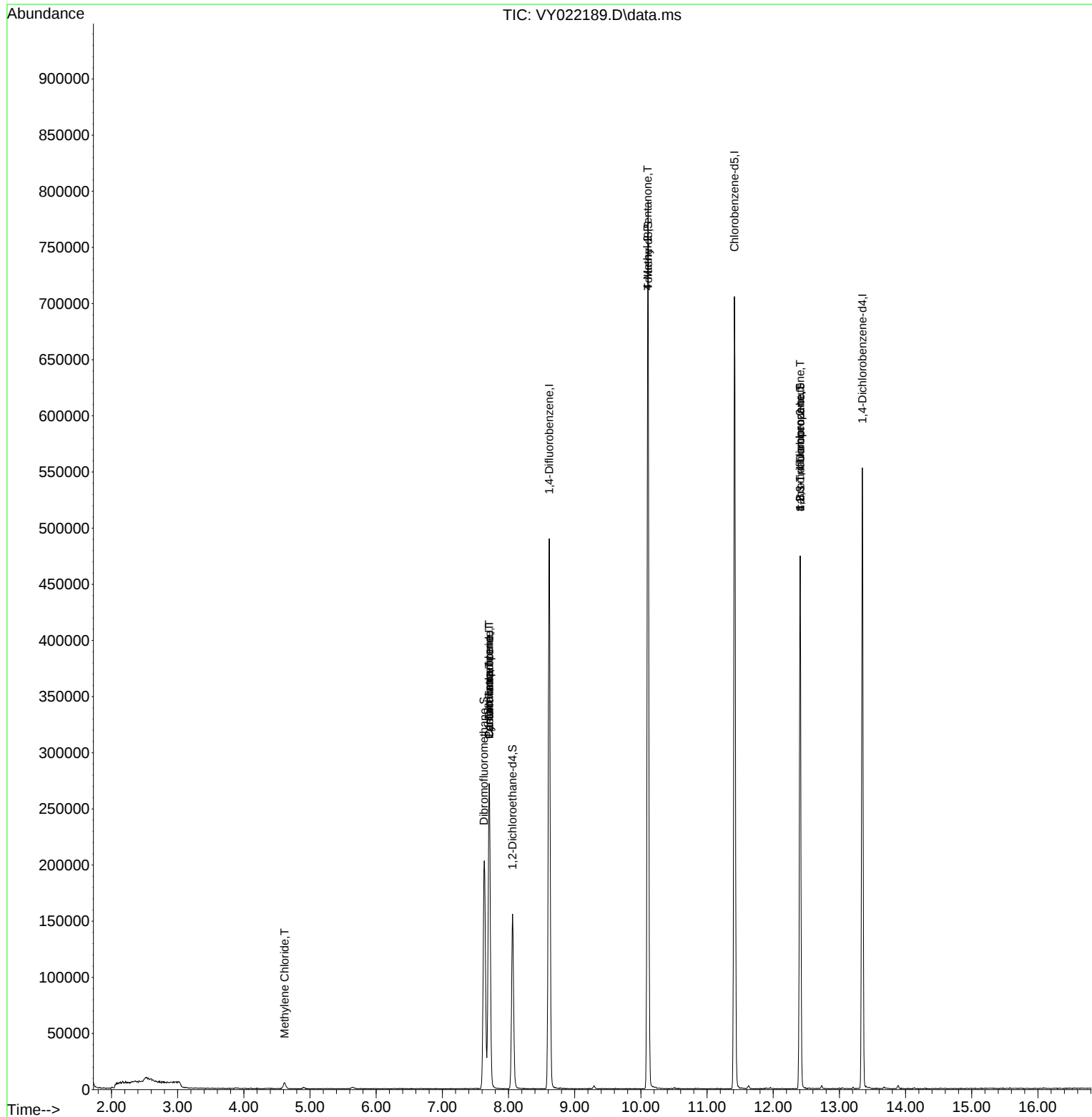
Internal Standards						
1) Pentafluorobenzene	7.707	168	214612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	421696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	384242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	139865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119255	60.159	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.320%	
35) Dibromofluoromethane	7.628	113	145961	52.392	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.780%	
50) Toluene-d8	10.109	98	521175	49.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.240%	
62) 4-Bromofluorobenzene	12.408	95	143669	40.633	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.260%	
Target Compounds						Qvalue
16) Acetone	3.867	43	714	Below Cal	#	41
20) Methylene Chloride	4.616	84	4103	1.637	ug/l #	81
31) Cyclohexane	7.707	56	4529	1.382	ug/l #	14
36) 1,1-Dichloropropene	7.707	75	16143	4.314	ug/l #	47
38) Carbon Tetrachloride	7.707	117	21377	4.780	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	1826	1.350	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	70789	59.089	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	70789	142.294	ug/l #	16

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

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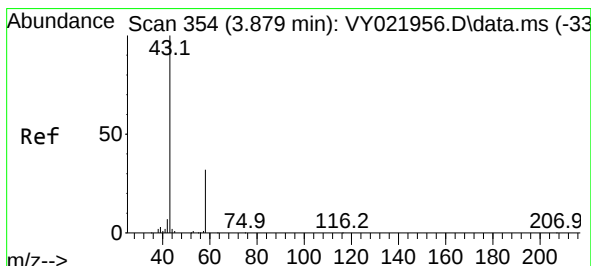
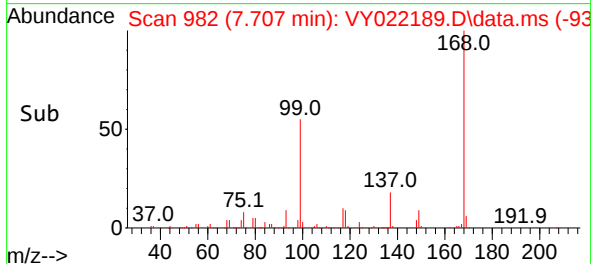
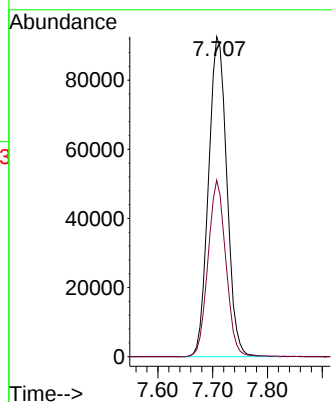
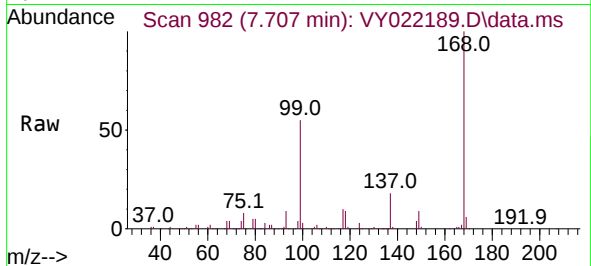




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

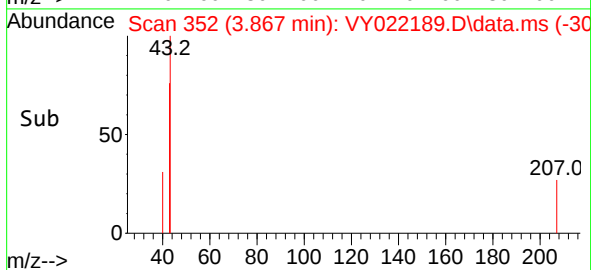
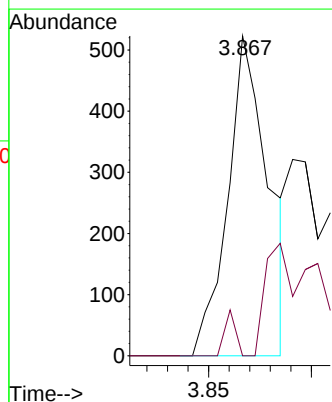
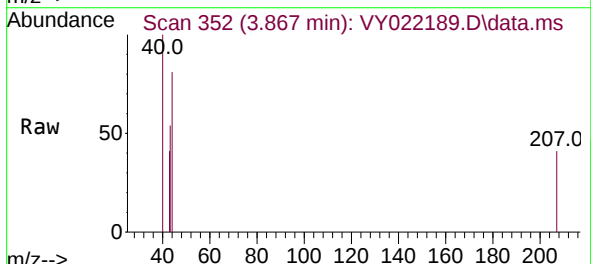
Instrument :
MSVOA_Y
ClientSampleId :
MH-M-VOC

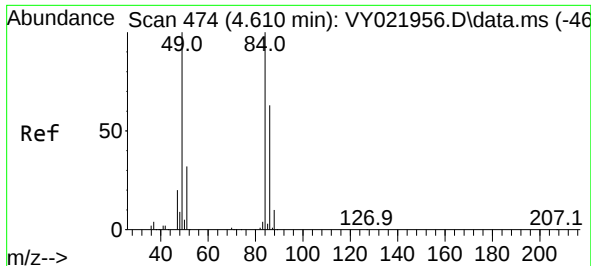
Tgt Ion:168 Resp: 214612
Ion Ratio Lower Upper
168 100
99 55.2 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#





#20

Methylene Chloride

Concen: 1.637 ug/l

RT: 4.616 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY022189.D

Acq: 07 May 2025 13:13

Instrument :

MSVOA_Y

ClientSampleId :

MH-M-VOC

Tgt Ion: 84 Resp: 4103

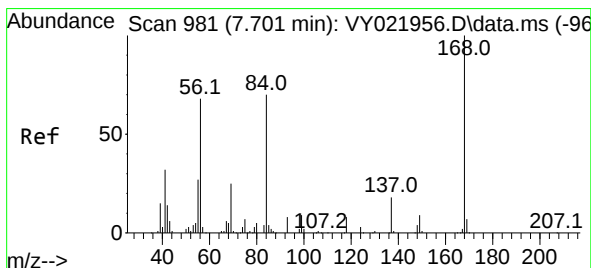
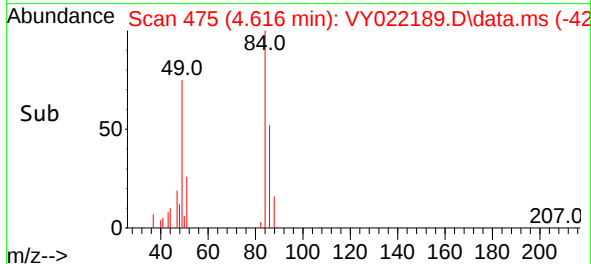
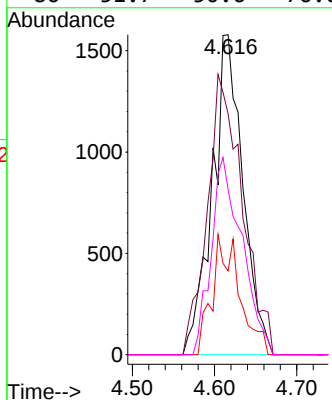
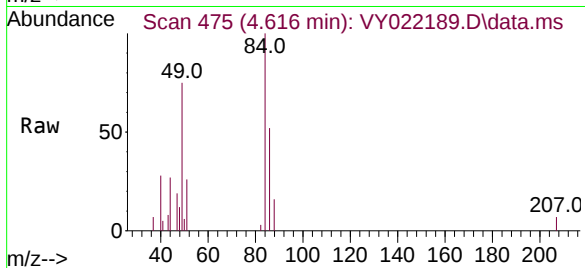
Ion Ratio Lower Upper

84 100

49 75.2 79.9 119.9#

51 26.2 25.4 38.0

86 51.7 50.6 76.0



#31

Cyclohexane

Concen: 1.382 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY022189.D

Acq: 07 May 2025 13:13

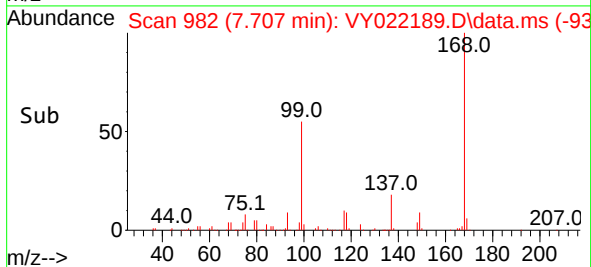
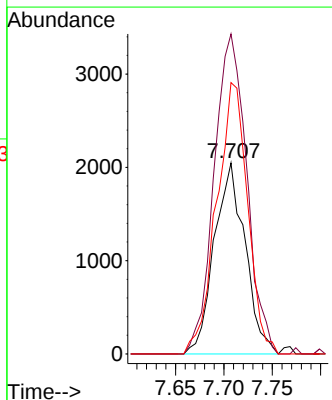
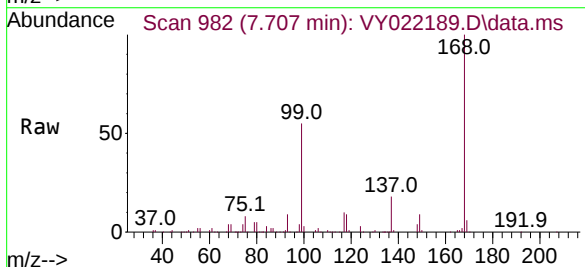
Tgt Ion: 56 Resp: 4529

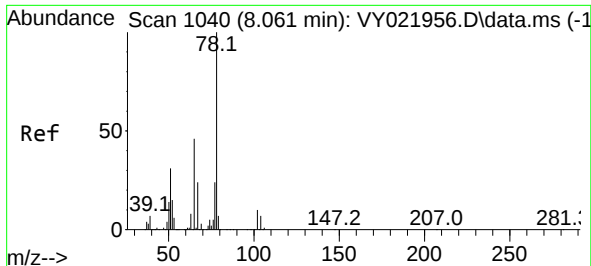
Ion Ratio Lower Upper

56 100

69 167.6 29.4 44.2#

84 142.1 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 60.159 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022189.D

Acq: 07 May 2025 13:13

Instrument :

MSVOA_Y

ClientSampleId :

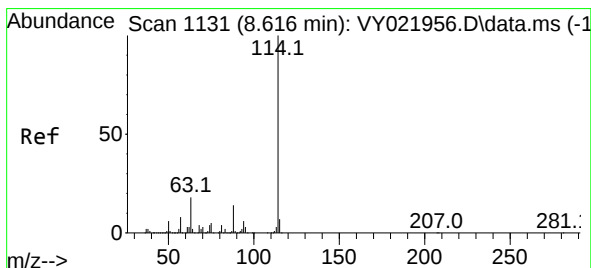
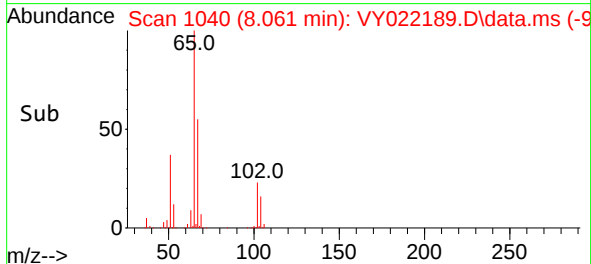
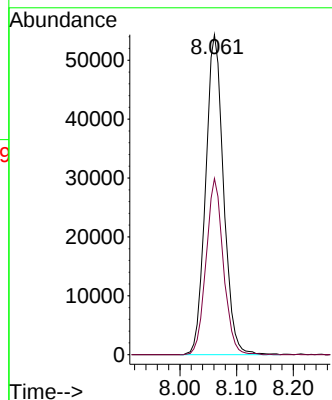
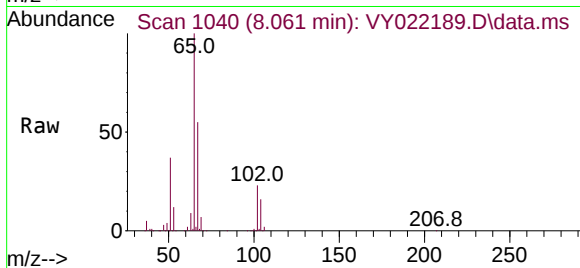
MH-M-VOC

Tgt Ion: 65 Resp: 119255

Ion Ratio Lower Upper

65 100

67 53.0 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: VY022189.D

Acq: 07 May 2025 13:13

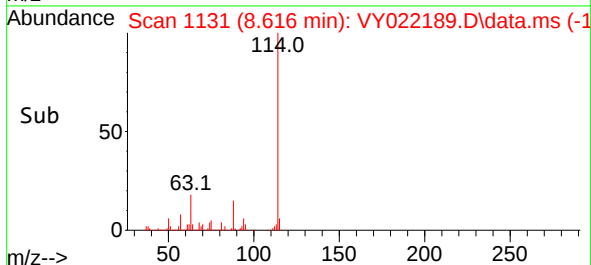
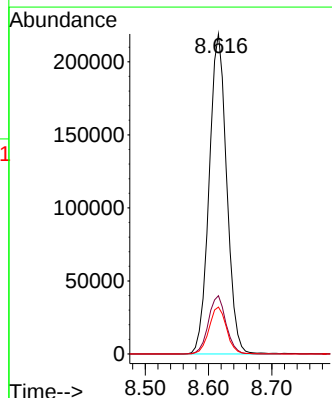
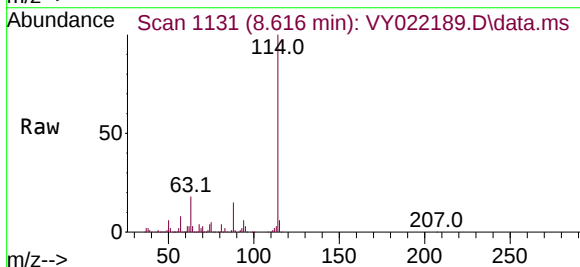
Tgt Ion:114 Resp: 421696

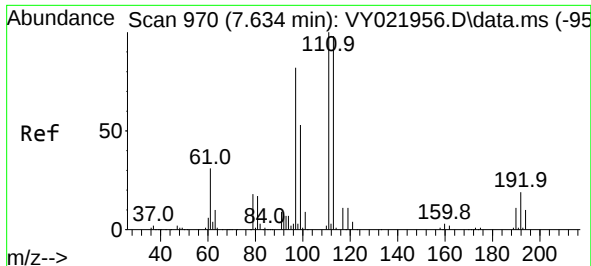
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

88 14.6 0.0 28.2

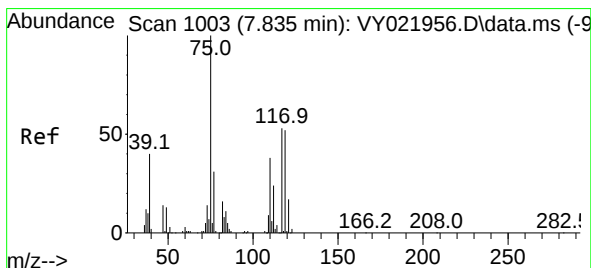
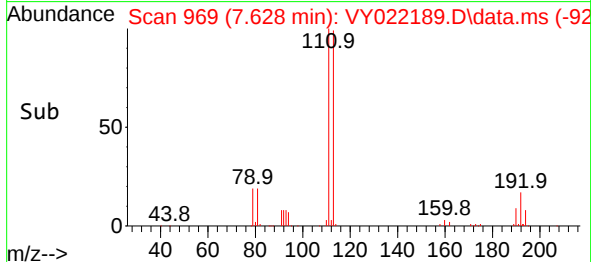
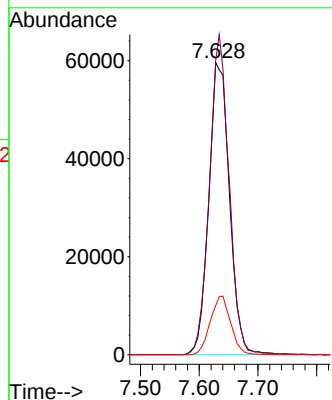
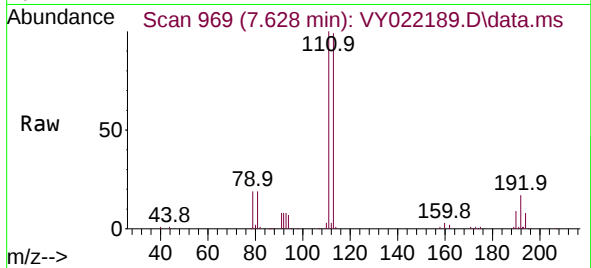




#35
Dibromofluoromethane
Concen: 52.392 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

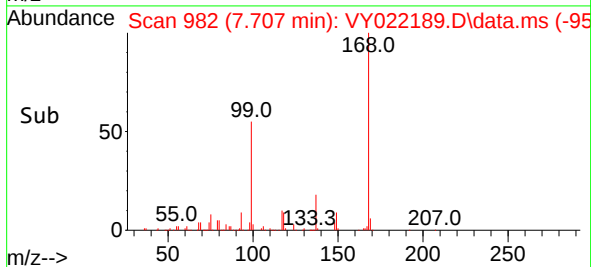
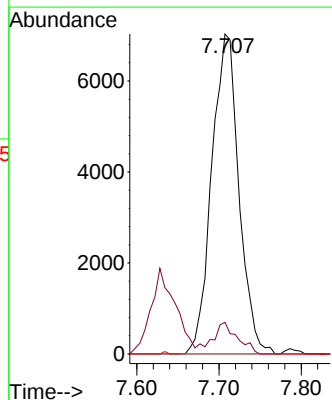
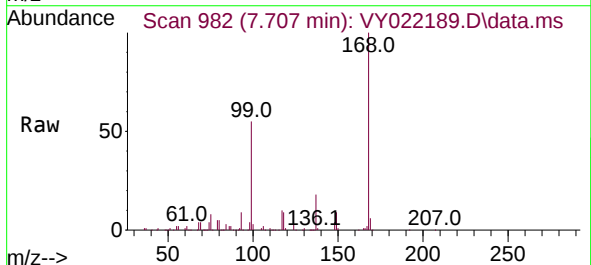
Instrument :
MSVOA_Y
ClientSampleId :
MH-M-VOC

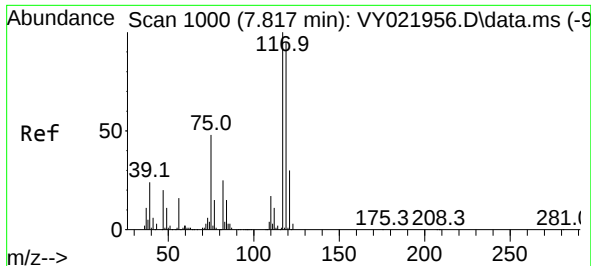
Tgt Ion:113 Resp: 145961
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.8
192 19.7 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.314 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

Tgt Ion: 75 Resp: 16143
Ion Ratio Lower Upper
75 100
110 8.2 19.1 57.3#
77 0.0 25.5 38.3#

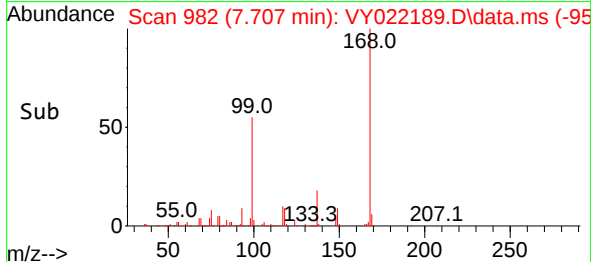
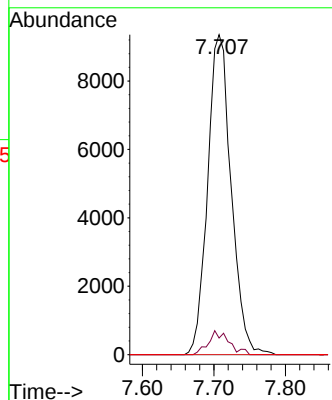
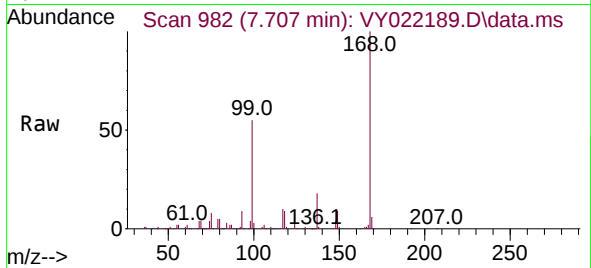




#38
Carbon Tetrachloride
Concen: 4.780 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

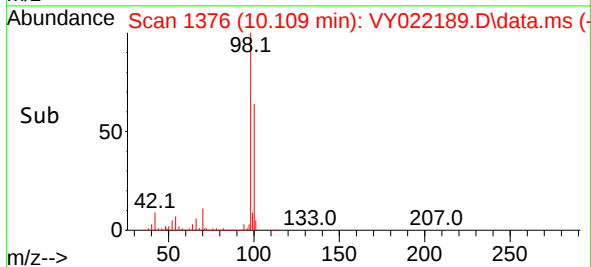
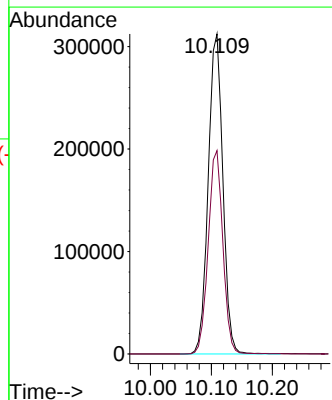
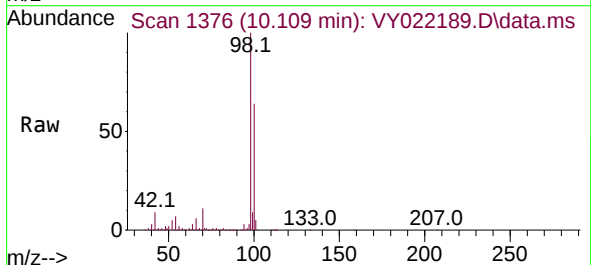
Instrument :
MSVOA_Y
ClientSampleId :
MH-M-VOC

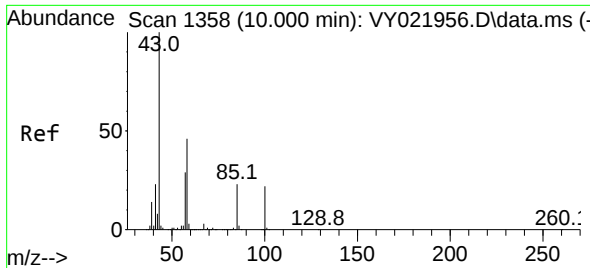
Tgt Ion:117 Resp: 21377
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.621 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

Tgt Ion: 98 Resp: 521175
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4

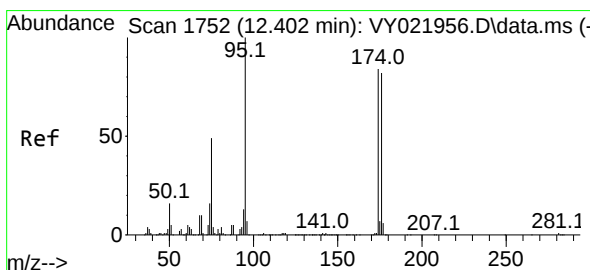
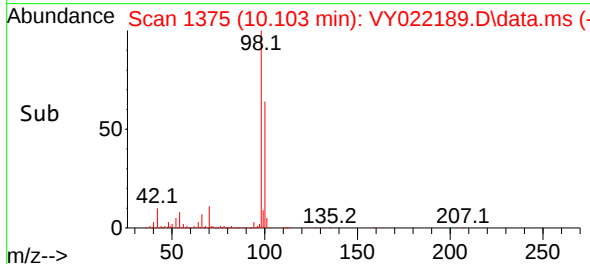
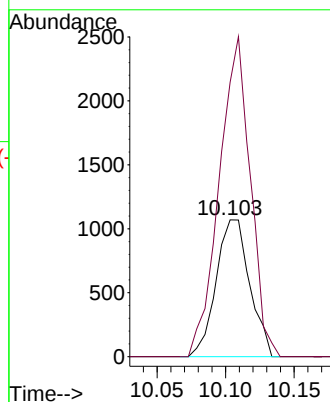
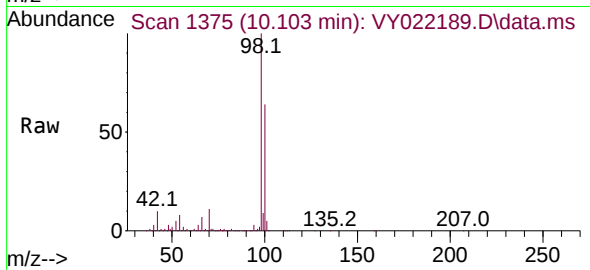




#51
4-Methyl-2-Pentanone
Concen: 1.350 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

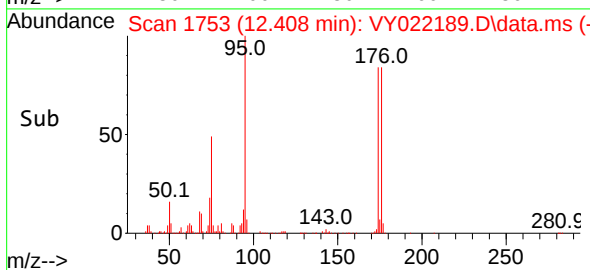
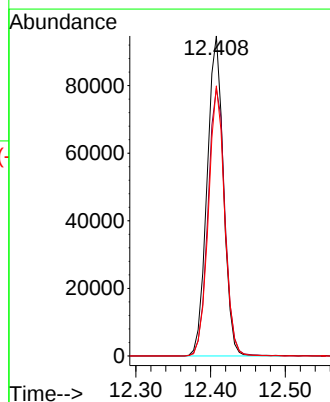
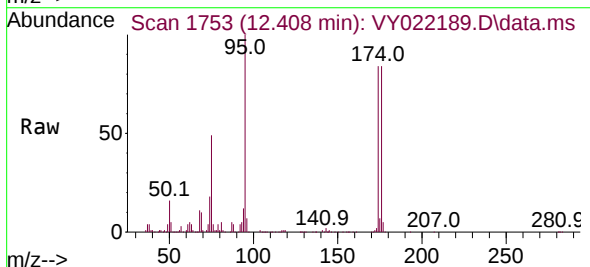
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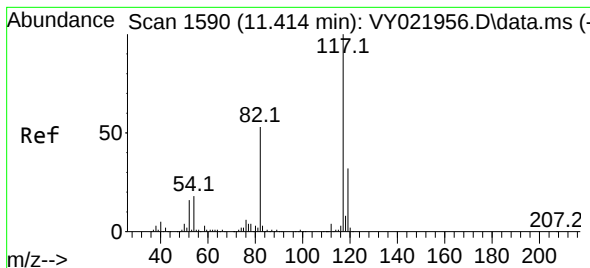
Tgt Ion: 43 Resp: 1826
Ion Ratio Lower Upper
43 100
58 216.6 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 40.633 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

Tgt Ion: 95 Resp: 143669
Ion Ratio Lower Upper
95 100
174 86.7 0.0 179.0
176 82.9 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: VY022189.D

Acq: 07 May 2025 13:13

Instrument :

MSVOA_Y

ClientSampleId :

MH-M-VOC

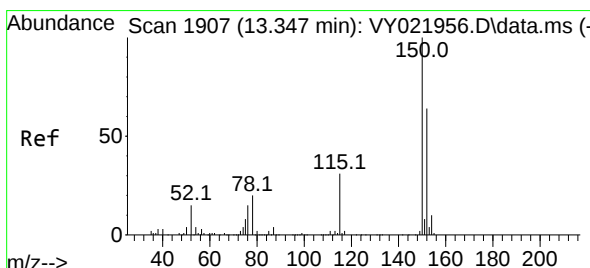
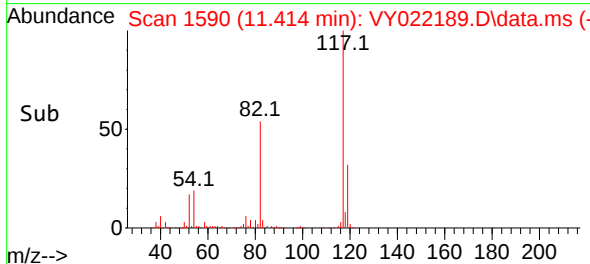
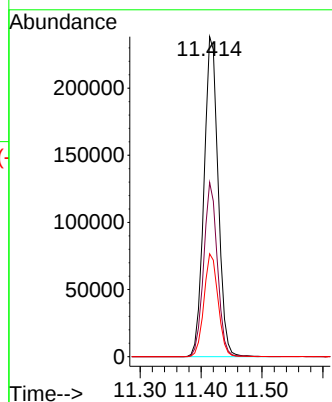
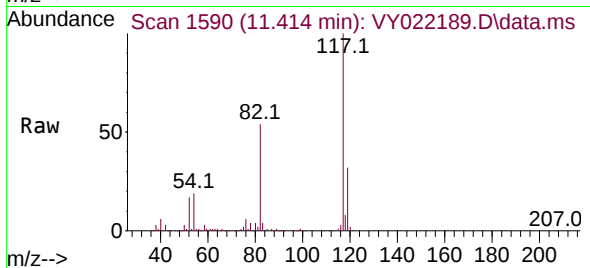
Tgt Ion:117 Resp: 384242

Ion Ratio Lower Upper

117 100

82 54.5 42.1 63.1

119 32.1 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: VY022189.D

Acq: 07 May 2025 13:13

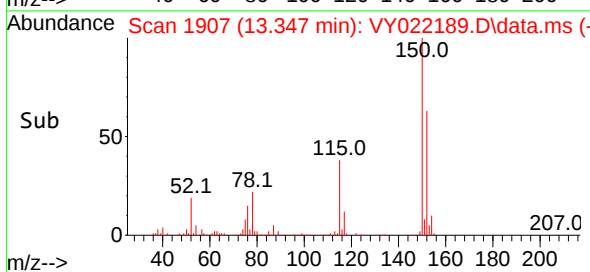
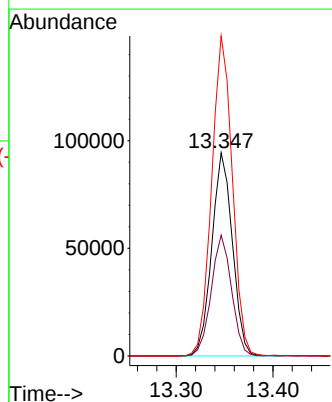
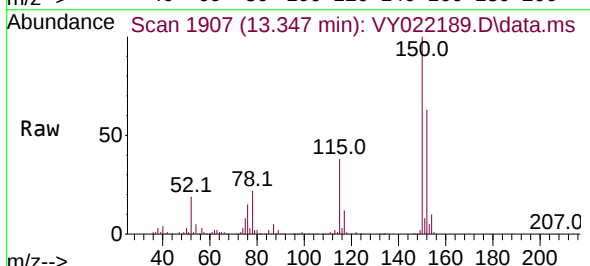
Tgt Ion:152 Resp: 139865

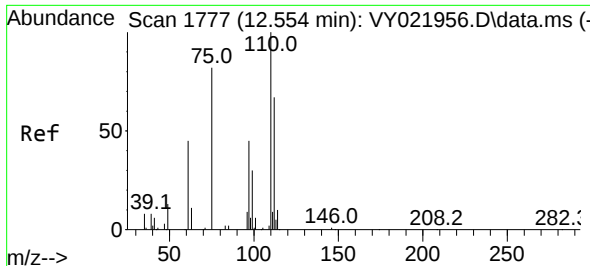
Ion Ratio Lower Upper

152 100

115 58.7 28.0 84.0

150 157.5 0.0 345.6

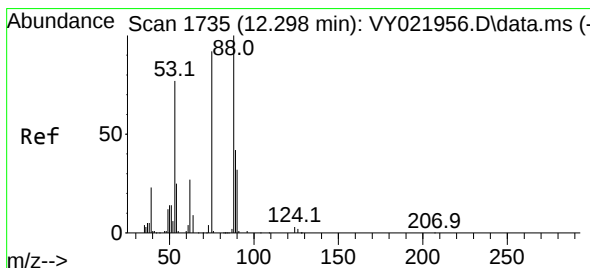
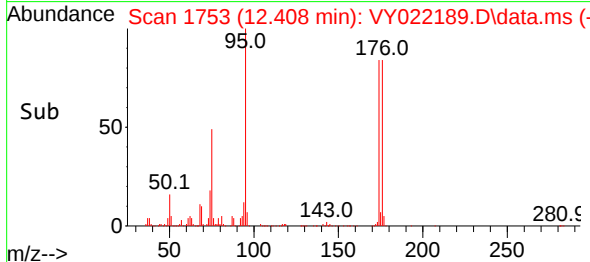
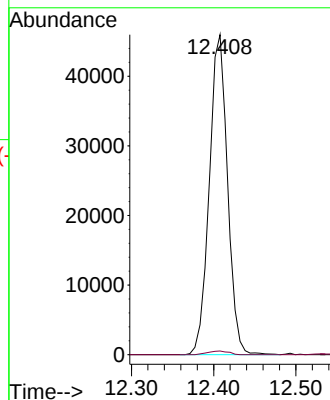
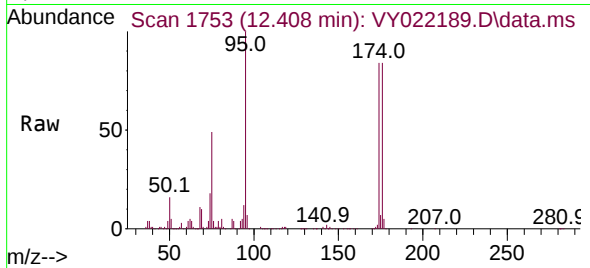




#76
1,2,3-Trichloropropane
Concen: 59.089 ug/l
RT: 12.408 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

Instrument :
MSVOA_Y
ClientSampleId :
MH-M-VOC

Tgt Ion: 75 Resp: 70789
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 142.294 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022189.D
Acq: 07 May 2025 13:13

Tgt Ion: 75 Resp: 70789
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.1 37.2 55.8#

