

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022188.D
 Acq On : 07 May 2025 12:50
 Operator : SY/MD
 Sample : Q1968-03
 Misc : 4.30g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-N-VOC

Quant Time: May 08 01:41:59 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)

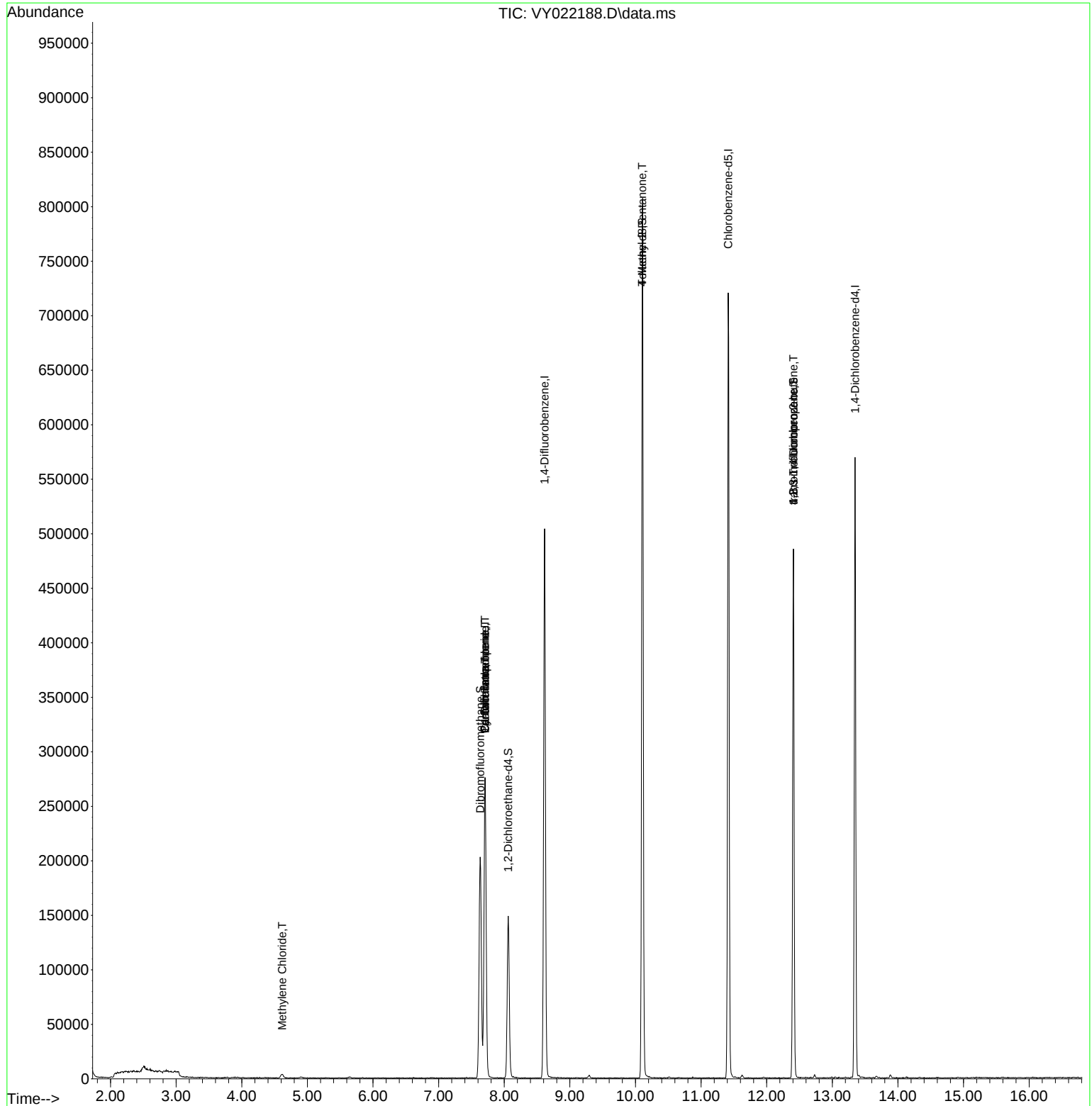
Internal Standards						
1) Pentafluorobenzene	7.707	168	213921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	428911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	391488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117567	59.499	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.000%
35) Dibromofluoromethane	7.634	113	147860	52.181	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.360%
50) Toluene-d8	10.103	98	531671	49.769	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.540%
62) 4-Bromofluorobenzene	12.407	95	146444	40.721	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.440%
Target Compounds						Qvalue
16) Acetone	3.879	43	850	Below Cal		98
20) Methylene Chloride	4.616	84	2623	1.050 ug/l #		87
31) Cyclohexane	7.707	56	4412	1.351 ug/l #		35
36) 1,1-Dichloropropene	7.707	75	16581	4.356 ug/l #		48
38) Carbon Tetrachloride	7.707	117	21742	4.780 ug/l #		17
51) 4-Methyl-2-Pentanone	10.103	43	1984	1.442 ug/l #		1
76) 1,2,3-Trichloropropane	12.407	75	72159	58.062 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.407	75	72159	139.821 ug/l #		16

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

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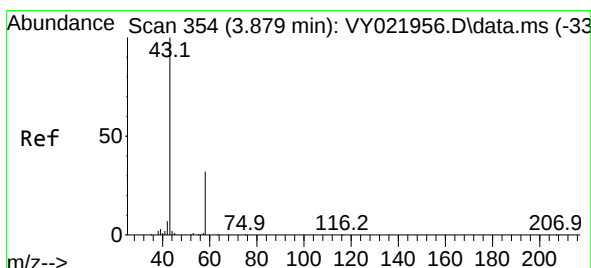
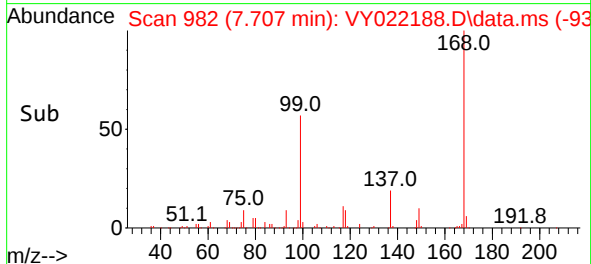
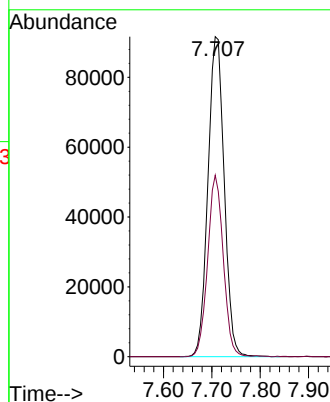
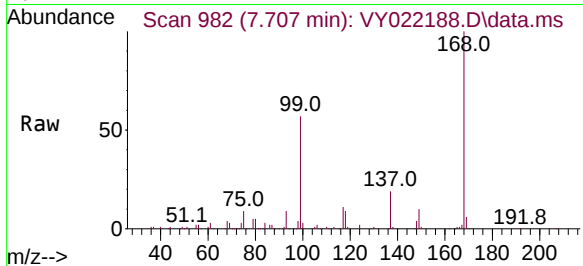




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022188.D
Acq: 07 May 2025 12:50

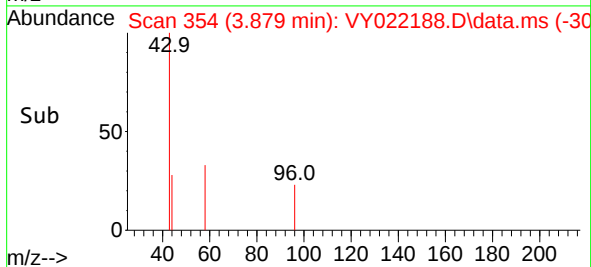
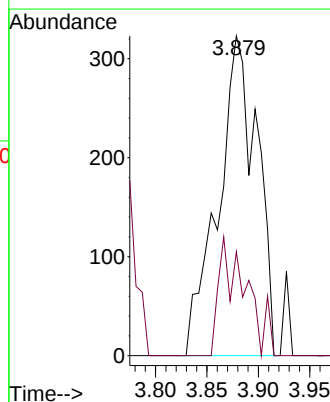
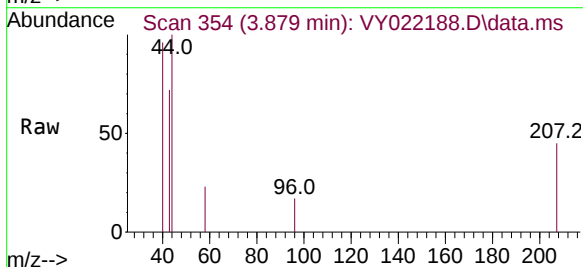
Instrument :
MSVOA_Y
ClientSampleId :
MH-N-VOC

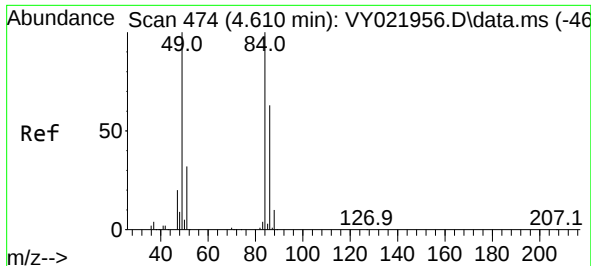
Tgt Ion:168 Resp: 213921
Ion Ratio Lower Upper
168 100
99 56.7 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022188.D
Acq: 07 May 2025 12:50

Tgt Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
58 32.5 27.0 40.4

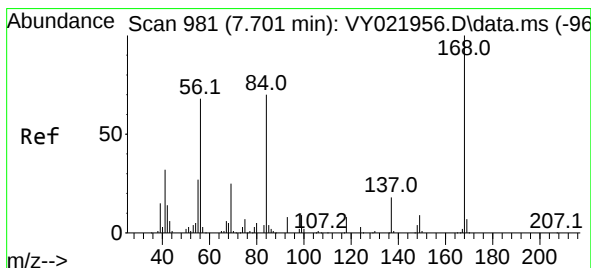
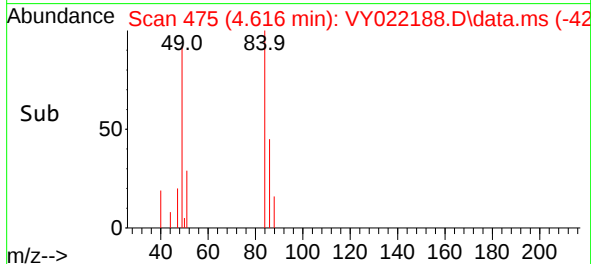
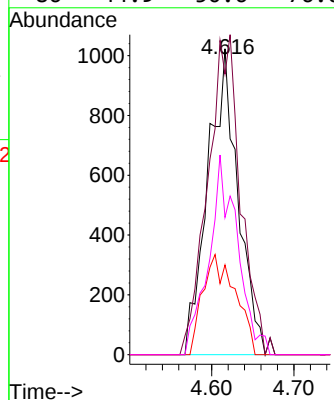
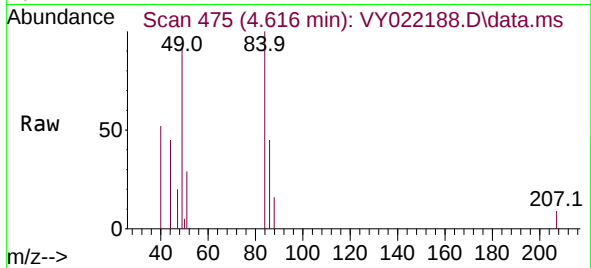




#20
Methylene Chloride
Concen: 1.050 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022188.D
Acq: 07 May 2025 12:50

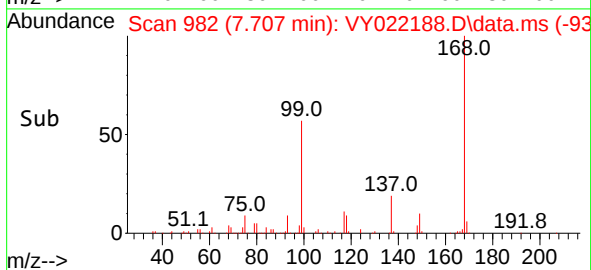
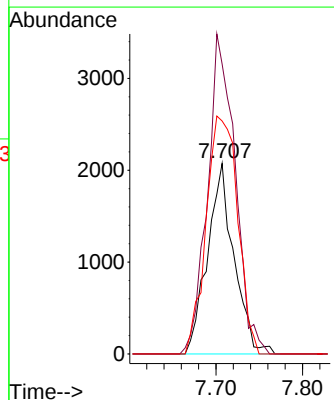
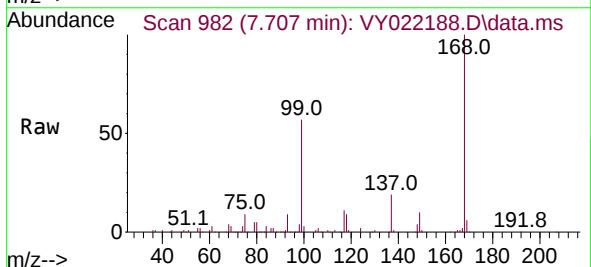
Instrument :
MSVOA_Y
ClientSampleId :
MH-N-VOC

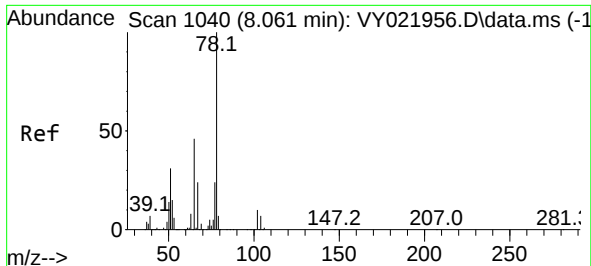
Tgt Ion:	84	Resp:	2623
Ion	Ratio	Lower	Upper
84	100		
49	91.7	79.9	119.9
51	29.3	25.4	38.0
86	44.9	50.6	76.0



#31
Cyclohexane
Concen: 1.351 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022188.D
Acq: 07 May 2025 12:50

Tgt Ion:	56	Resp:	4412
Ion	Ratio	Lower	Upper
56	100		
69	152.1	29.4	44.2
84	122.3	82.2	123.4





#33

1,2-Dichloroethane-d4

Concen: 59.499 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY022188.D

Acq: 07 May 2025 12:50

Instrument :

MSVOA_Y

ClientSampleId :

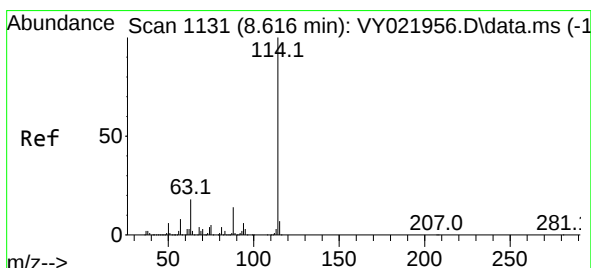
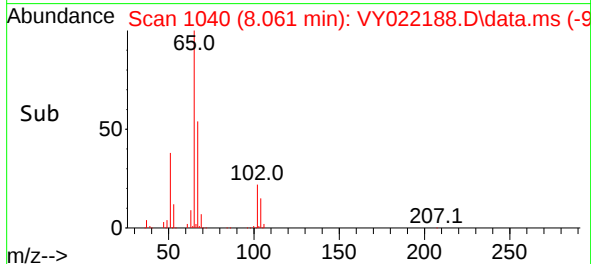
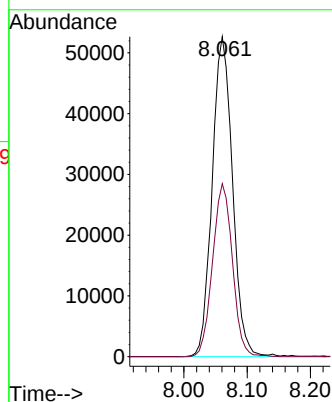
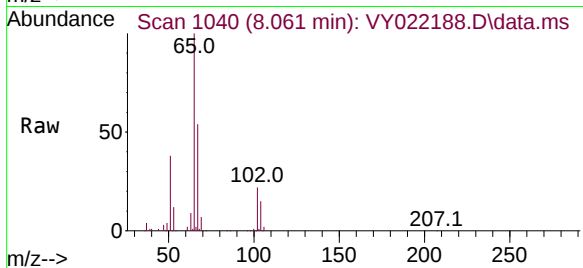
MH-N-VOC

Tgt Ion: 65 Resp: 117567

Ion Ratio Lower Upper

65 100

67 52.7 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: VY022188.D

Acq: 07 May 2025 12:50

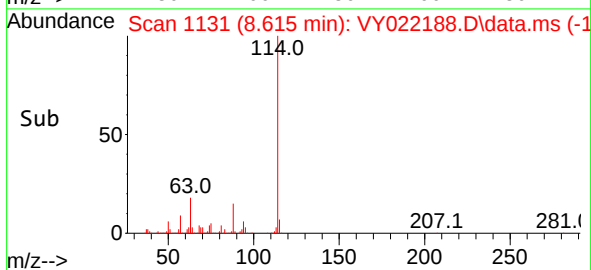
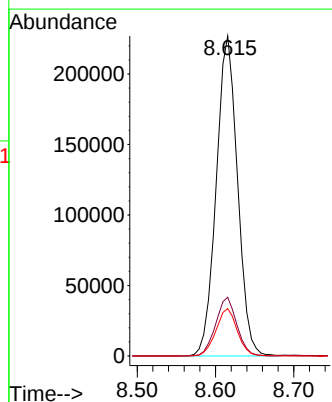
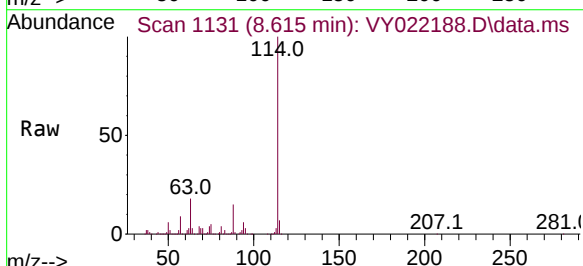
Tgt Ion:114 Resp: 428911

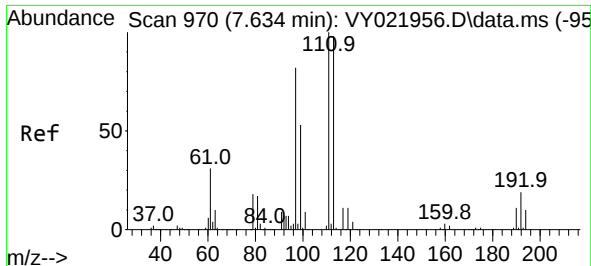
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.4

88 14.8 0.0 28.2

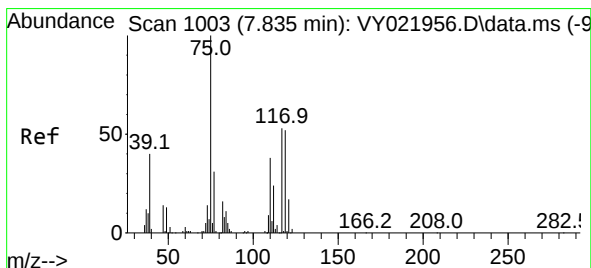
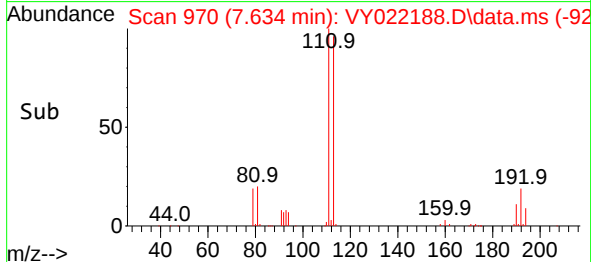
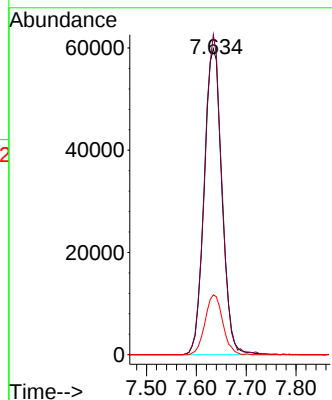
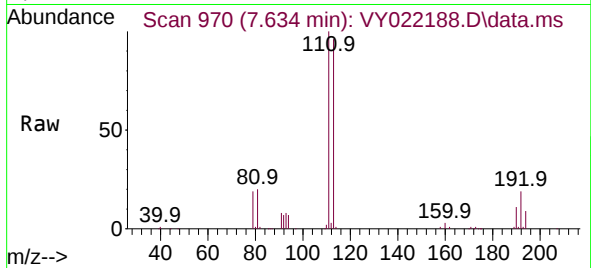




#35
Dibromofluoromethane
Concen: 52.181 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022188.D
Acq: 07 May 2025 12:50

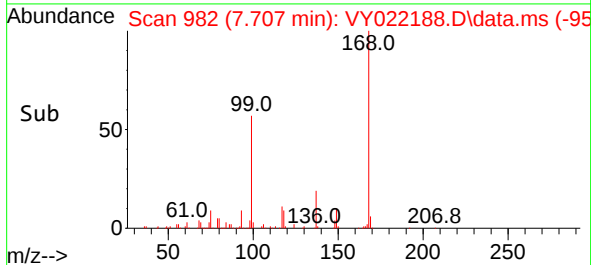
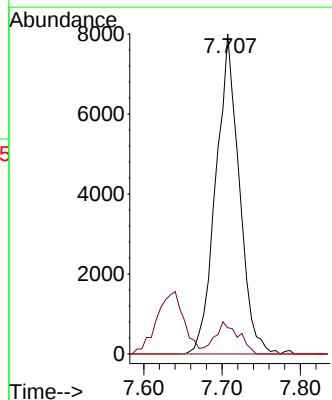
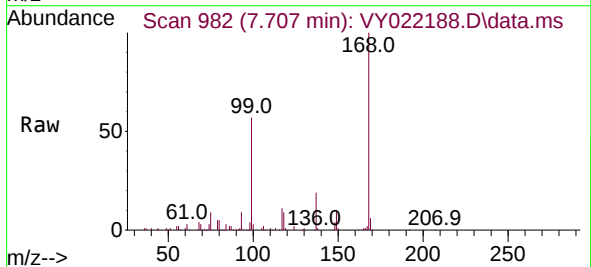
Instrument :
MSVOA_Y
ClientSampleId :
MH-N-VOC

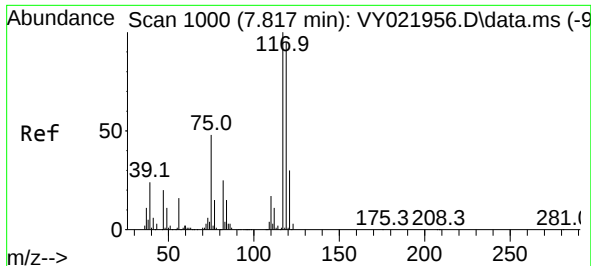
Tgt Ion:113 Resp: 147860
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 19.5 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.356 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022188.D
Acq: 07 May 2025 12:50

Tgt Ion: 75 Resp: 16581
Ion Ratio Lower Upper
75 100
110 10.0 19.1 57.3#
77 0.0 25.5 38.3#

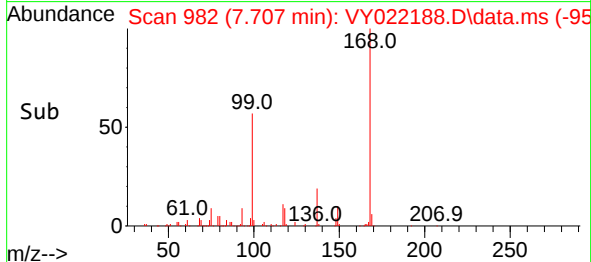
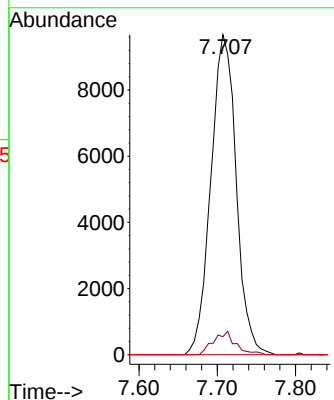
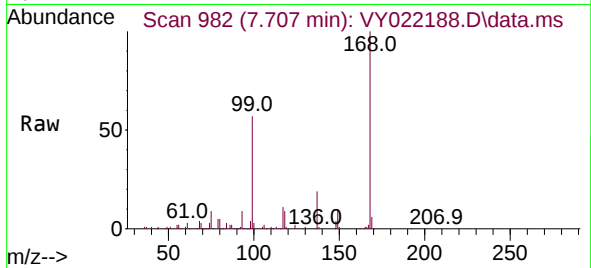




#38
Carbon Tetrachloride
Concen: 4.780 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022188.D
Acq: 07 May 2025 12:50

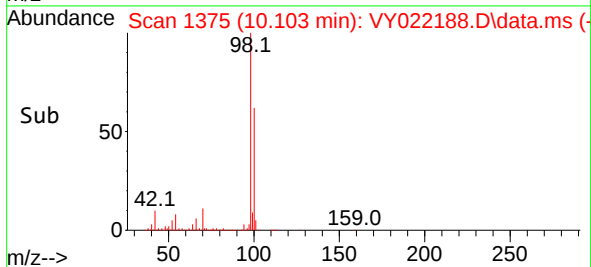
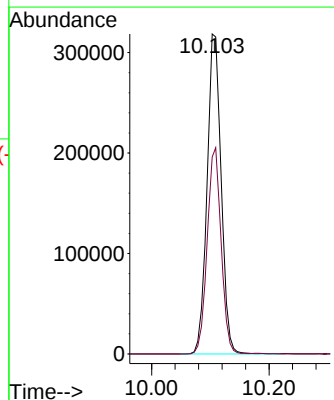
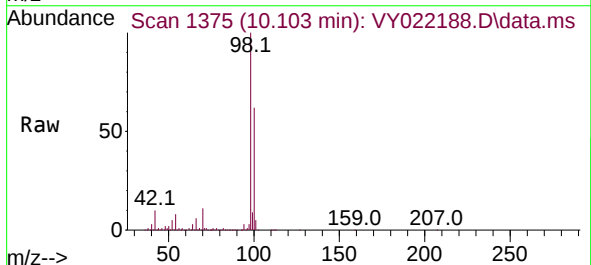
Instrument :
MSVOA_Y
ClientSampleId :
MH-N-VOC

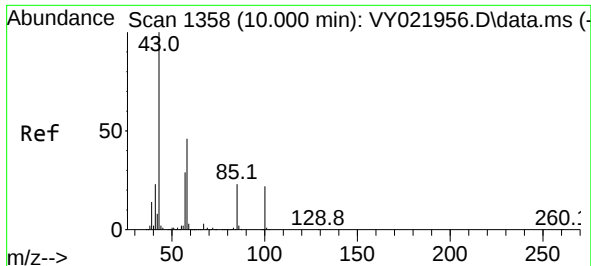
Tgt Ion:117 Resp: 21742
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.769 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022188.D
Acq: 07 May 2025 12:50

Tgt Ion: 98 Resp: 531671
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

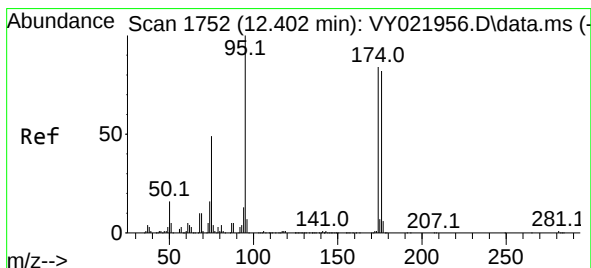
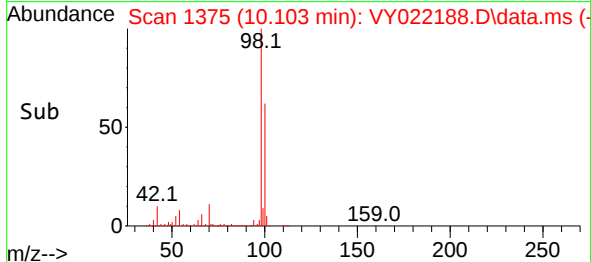
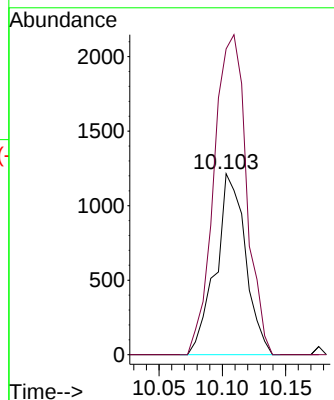
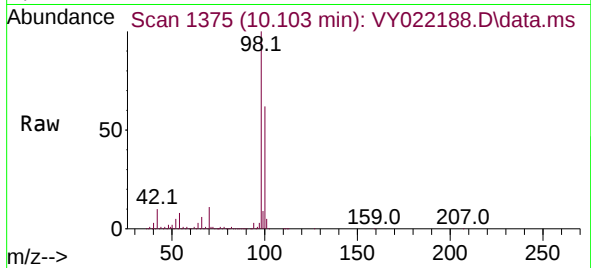




#51
4-Methyl-2-Pentanone
Concen: 1.442 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.103 min
Lab File: VY022188.D
Acq: 07 May 2025 12:50

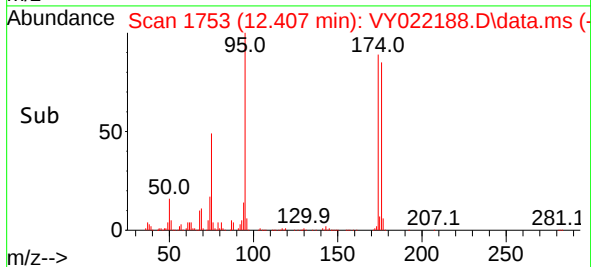
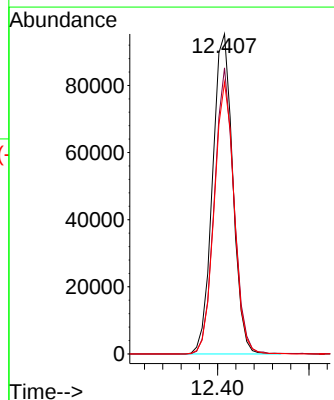
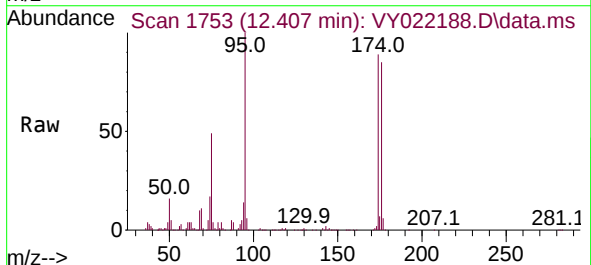
Instrument :
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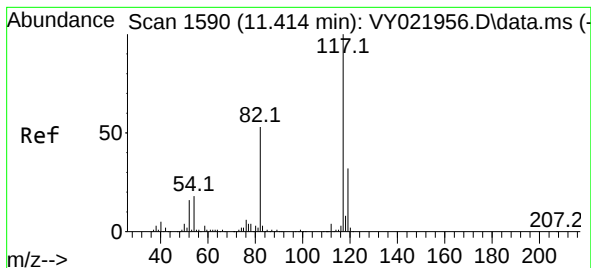
Tgt Ion: 43 Resp: 1984
Ion Ratio Lower Upper
43 100
58 193.5 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 40.721 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022188.D
Acq: 07 May 2025 12:50

Tgt Ion: 95 Resp: 146444
Ion Ratio Lower Upper
95 100
174 86.3 0.0 179.0
176 83.7 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: VY022188.D

Acq: 07 May 2025 12:50

Instrument :

MSVOA_Y

ClientSampleId :

MH-N-VOC

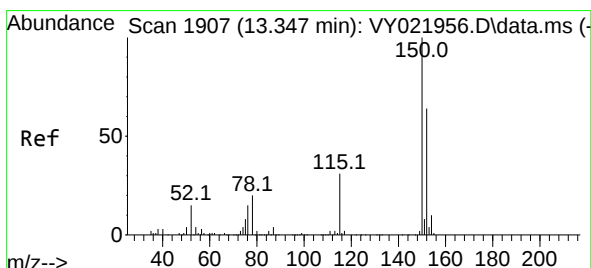
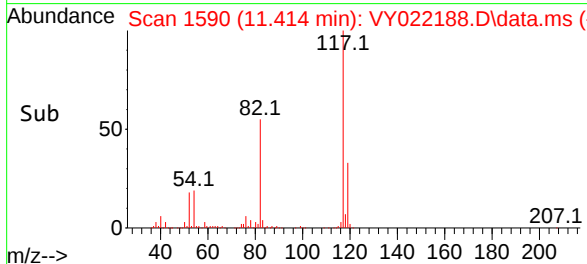
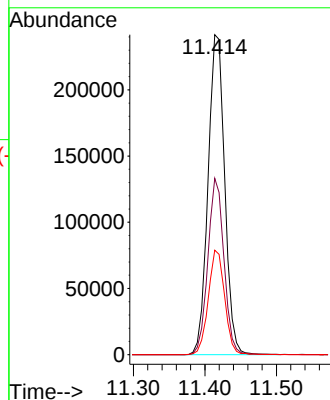
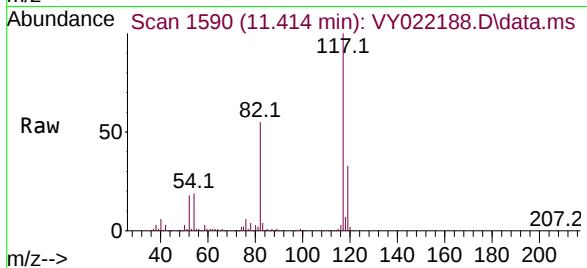
Tgt Ion:117 Resp: 391488

Ion Ratio Lower Upper

117 100

82 55.1 42.1 63.1

119 32.6 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: VY022188.D

Acq: 07 May 2025 12:50

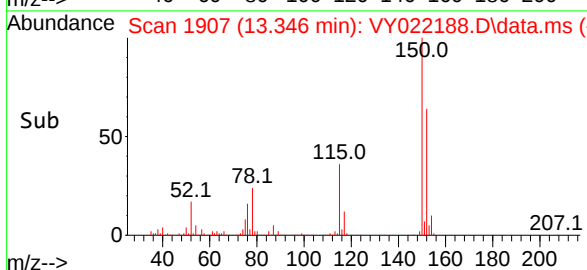
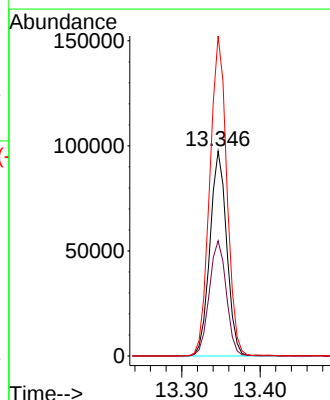
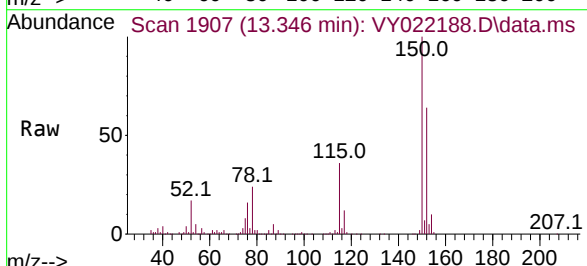
Tgt Ion:152 Resp: 145094

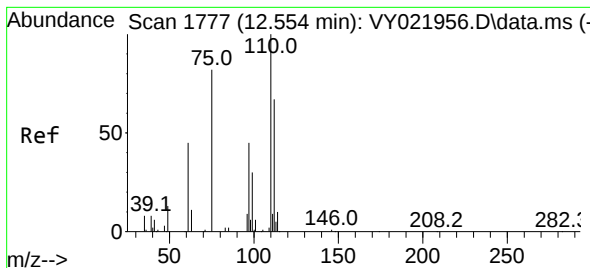
Ion Ratio Lower Upper

152 100

115 57.0 28.0 84.0

150 158.5 0.0 345.6

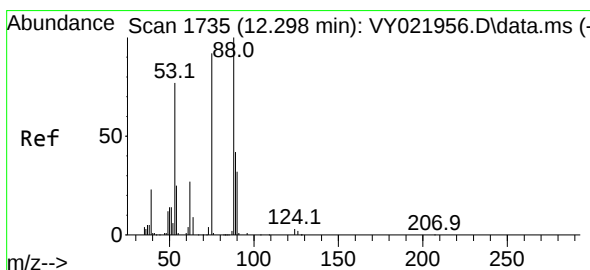
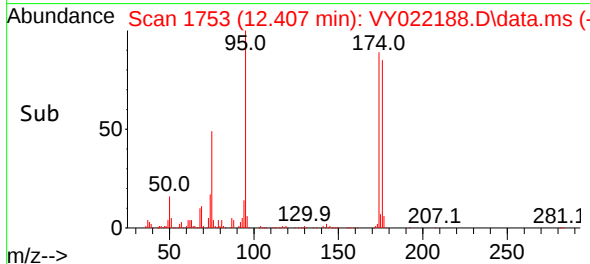
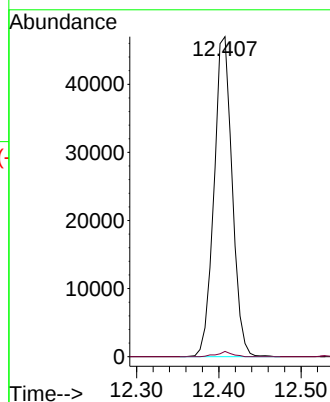
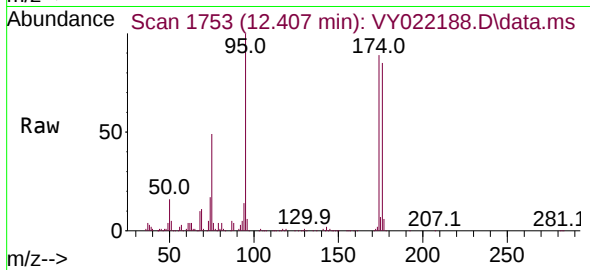




#76
1,2,3-Trichloropropane
Concen: 58.062 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022188.D
Acq: 07 May 2025 12:50

Instrument :
MSVOA_Y
ClientSampleId :
MH-N-VOC

Tgt Ion: 75 Resp: 72159
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.821 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022188.D
Acq: 07 May 2025 12:50

Tgt Ion: 75 Resp: 72159
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 37.2 55.8#

