

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022389.D
 Acq On : 22 May 2025 12:35
 Operator : SY/MD
 Sample : Q2074-01
 Misc : 6.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-12

Quant Time: May 23 03:36:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

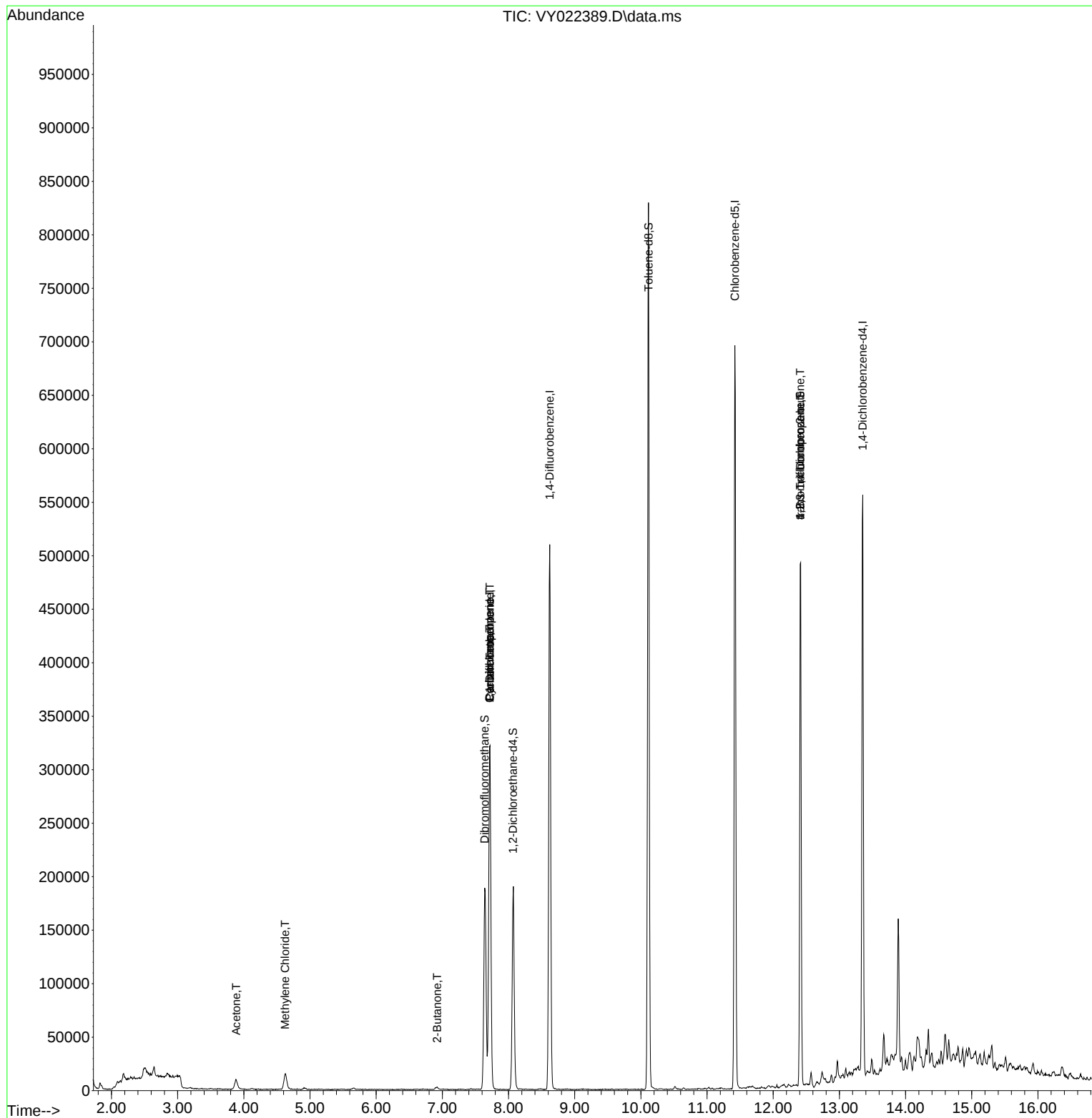
Internal Standards						
1) Pentafluorobenzene	7.719	168	252950	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	432513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	349129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	130898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	134665	48.712	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.420%
35) Dibromofluoromethane	7.640	113	130934	50.720	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.440%
50) Toluene-d8	10.115	98	514682	48.680	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.360%
62) 4-Bromofluorobenzene	12.408	95	135002	40.285	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.580%
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	16297	31.439	ug/l	95
20) Methylene Chloride	4.622	84	9809	2.929	ug/l	92
25) 2-Butanone	6.921	43	3551	4.095	ug/l	97
31) Cyclohexane	7.713	56	6892	1.232	ug/l #	42
36) 1,1-Dichloropropene	7.713	75	21122	4.968	ug/l #	51
38) Carbon Tetrachloride	7.719	117	24967	5.673	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	78318	59.057	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	78318	119.635	ug/l #	12

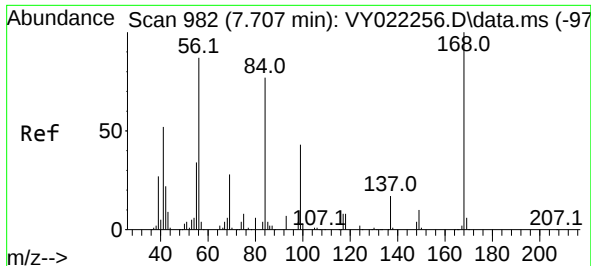
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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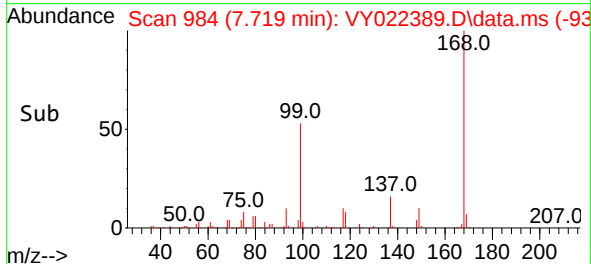
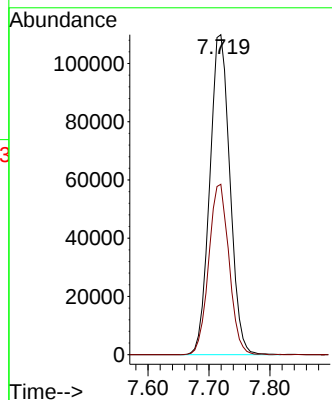
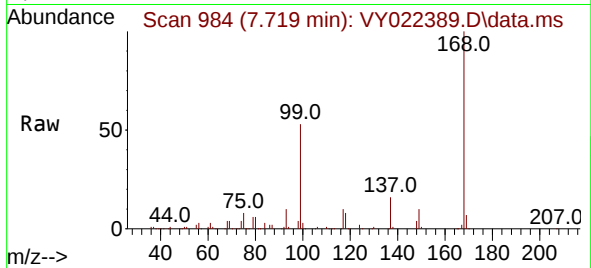




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022389.D
Acq: 22 May 2025 12:35

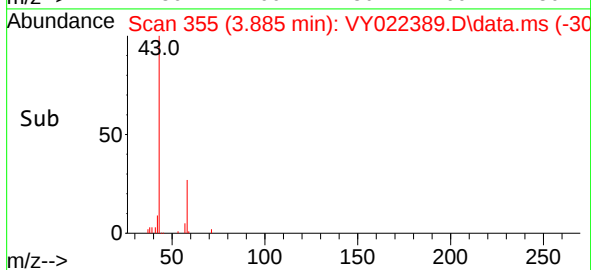
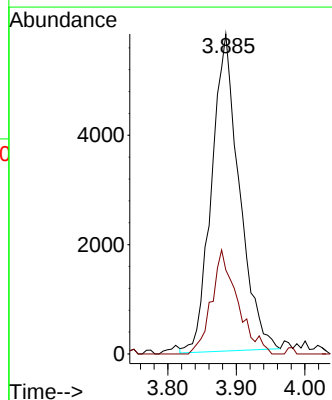
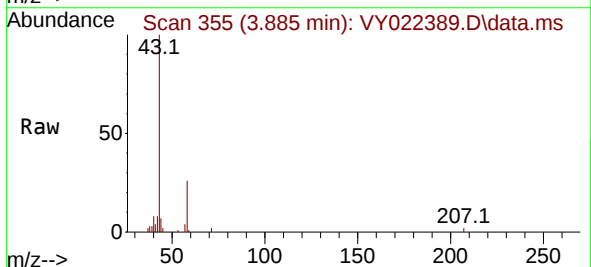
Instrument :
MSVOA_Y
ClientSampleId :
TP-12

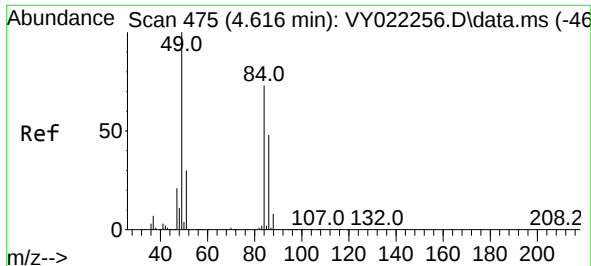
Tgt Ion:168 Resp: 252950
Ion Ratio Lower Upper
168 100
99 53.3 44.2 66.4



#16
Acetone
Concen: 31.439 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022389.D
Acq: 22 May 2025 12:35

Tgt Ion: 43 Resp: 16297
Ion Ratio Lower Upper
43 100
58 26.7 23.6 35.4

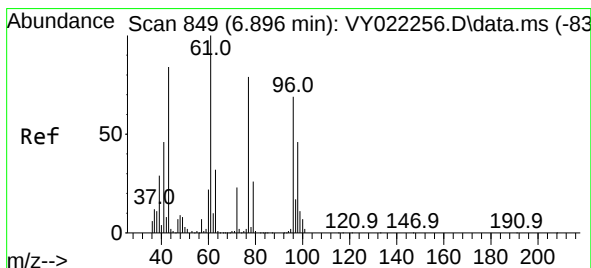
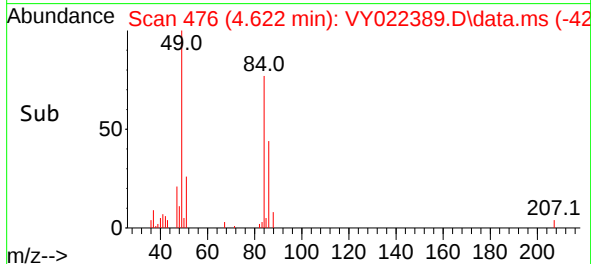
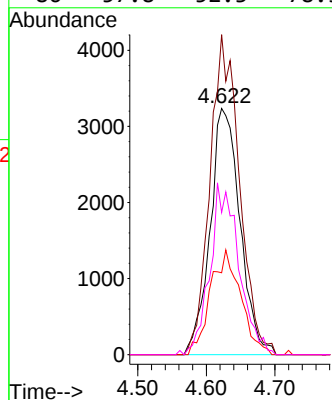
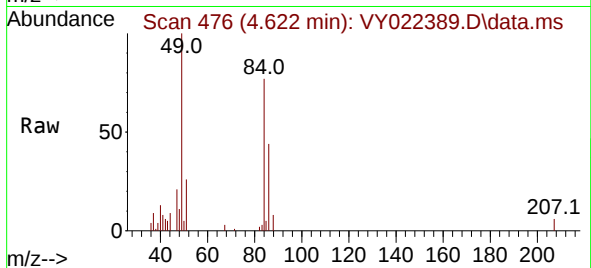




#20
Methylene Chloride
Concen: 2.929 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022389.D
Acq: 22 May 2025 12:35

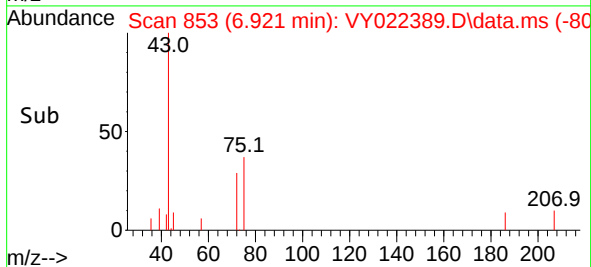
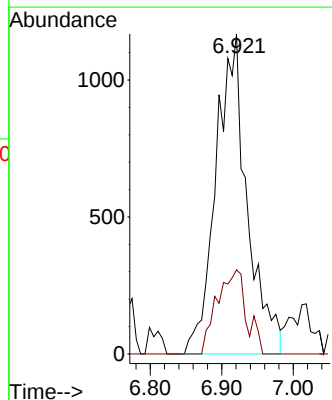
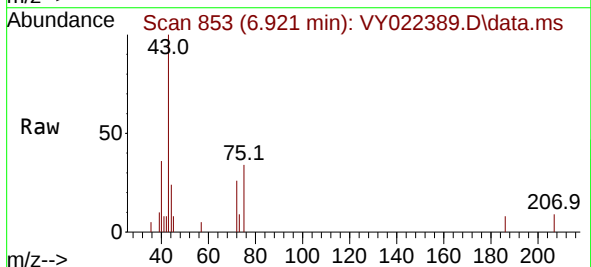
Instrument :
MSVOA_Y
ClientSampleId :
TP-12

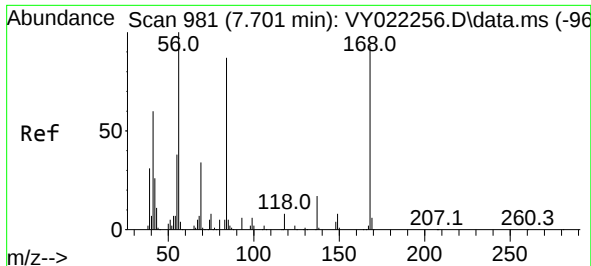
Tgt Ion: 84	Resp: 9809
Ion Ratio	Lower Upper
84 100	
49 129.9	109.6 164.4
51 33.3	32.4 48.6
86 57.8	52.3 78.5



#25
2-Butanone
Concen: 4.095 ug/l
RT: 6.921 min Scan# 853
Delta R.T. 0.024 min
Lab File: VY022389.D
Acq: 22 May 2025 12:35

Tgt Ion: 43	Resp:	3551	
Ion	Ratio	Lower	Upper
43	100		
72	26.3	22.1	33.1

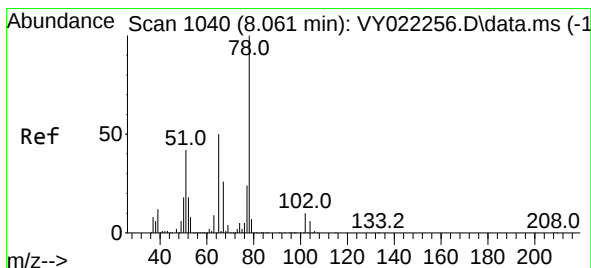
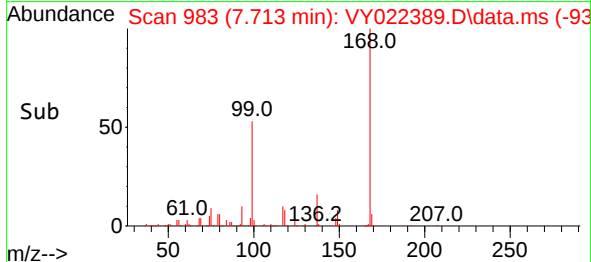
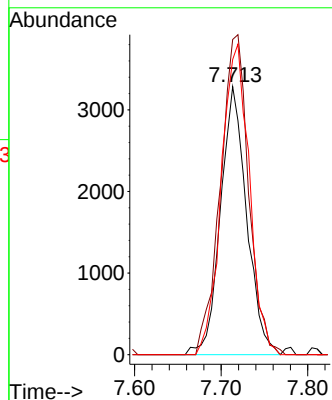
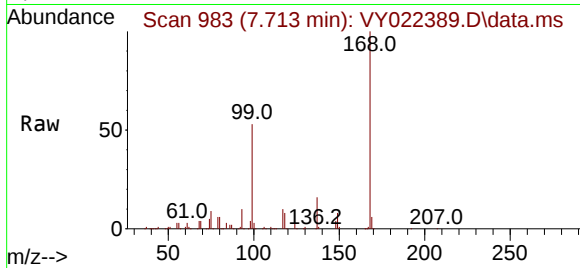




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022389.D
Acq: 22 May 2025 12:35

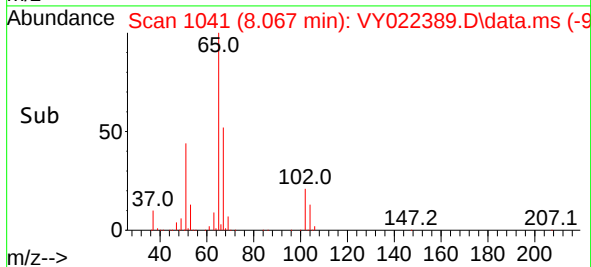
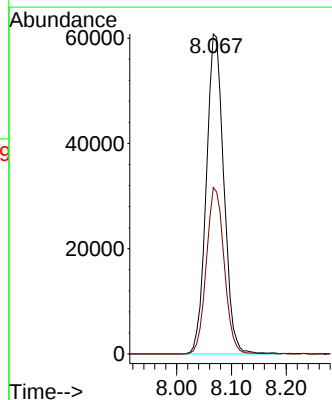
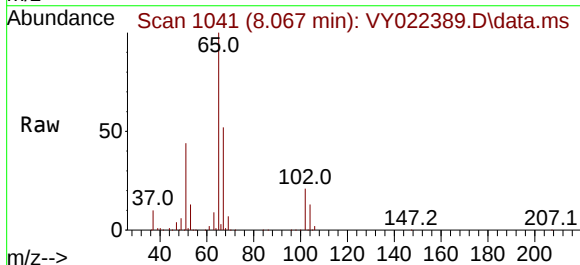
Instrument :
MSVOA_Y
ClientSampleId :
TP-12

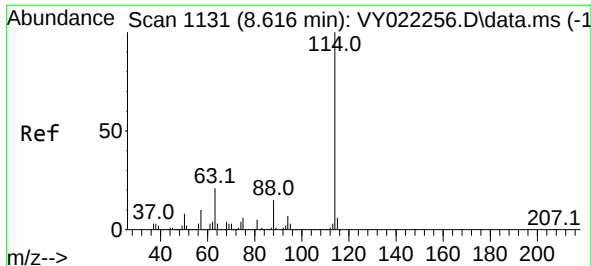
Tgt Ion: 56 Resp: 6892
Ion Ratio Lower Upper
56 100
69 117.7 27.4 41.2#
84 110.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 48.712 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022389.D
Acq: 22 May 2025 12:35

Tgt Ion: 65 Resp: 134665
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022389.D

Acq: 22 May 2025 12:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-12

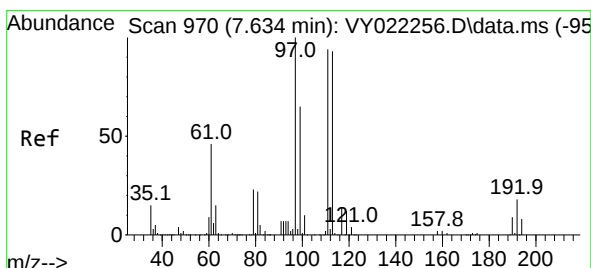
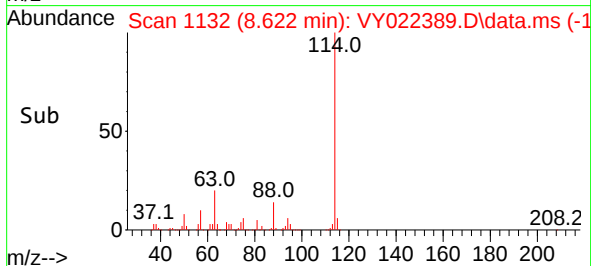
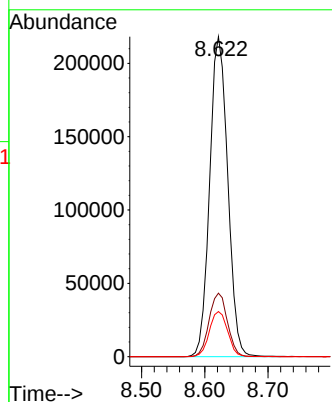
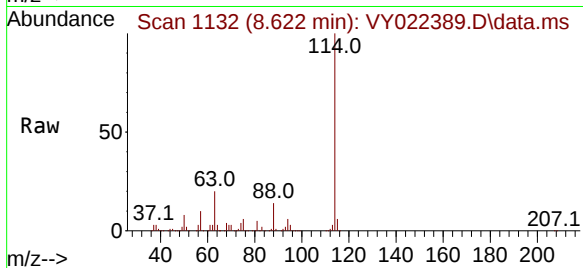
Tgt Ion:114 Resp: 432513

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

88 14.1 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.720 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022389.D

Acq: 22 May 2025 12:35

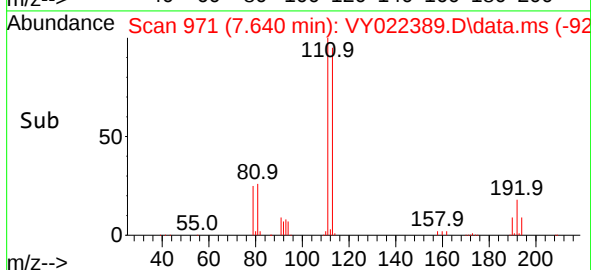
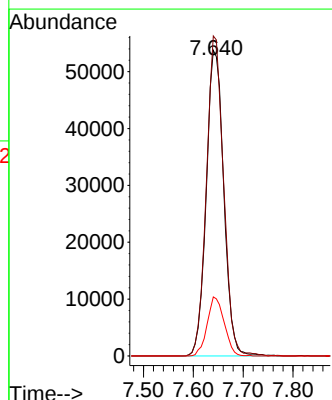
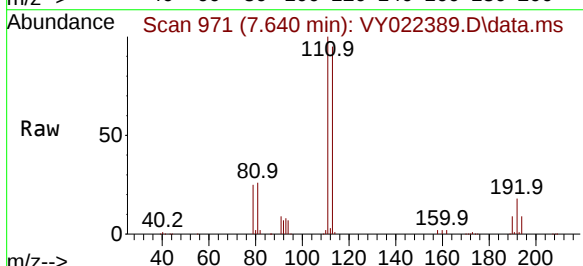
Tgt Ion:113 Resp: 130934

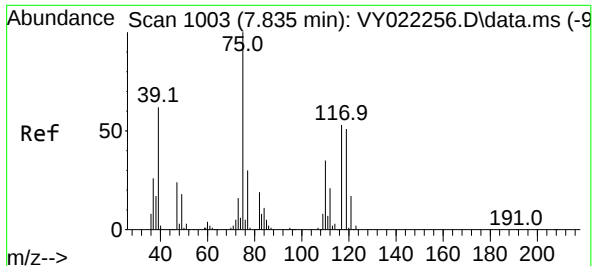
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 18.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.968 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY022389.D

Acq: 22 May 2025 12:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-12

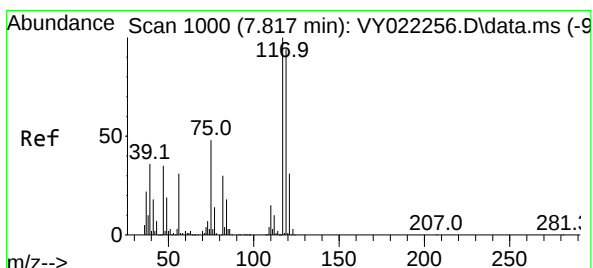
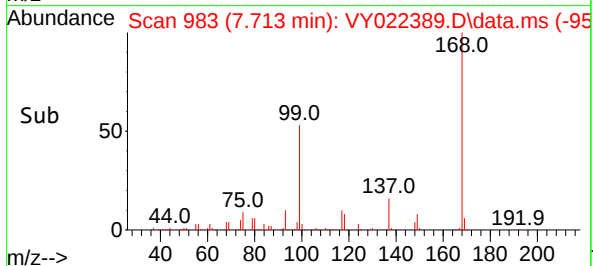
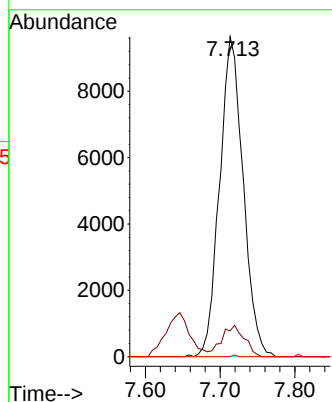
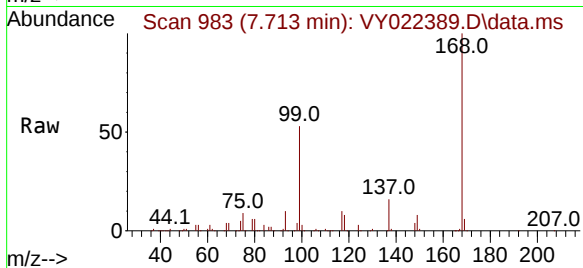
Tgt Ion: 75 Resp: 21122

Ion Ratio Lower Upper

75 100

110 9.5 16.6 49.8#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.673 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.098 min

Lab File: VY022389.D

Acq: 22 May 2025 12:35

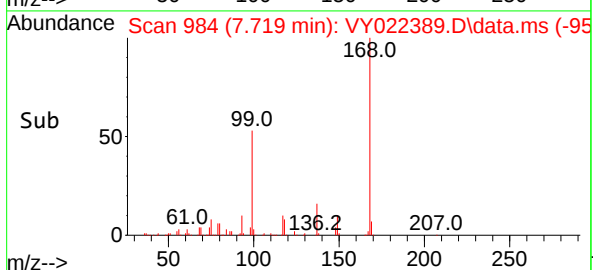
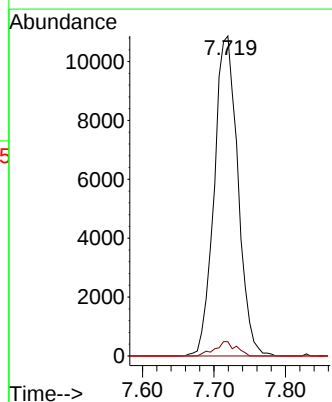
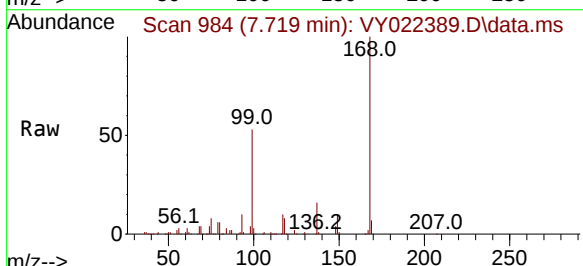
Tgt Ion: 117 Resp: 24967

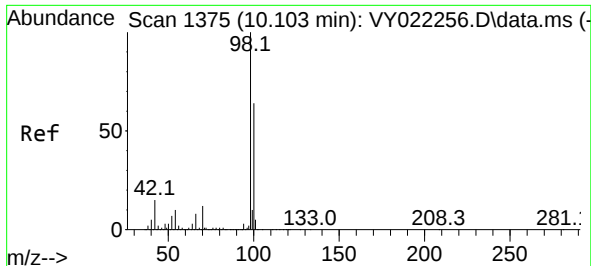
Ion Ratio Lower Upper

117 100

119 4.4 75.3 112.9#

121 0.0 24.7 37.1#

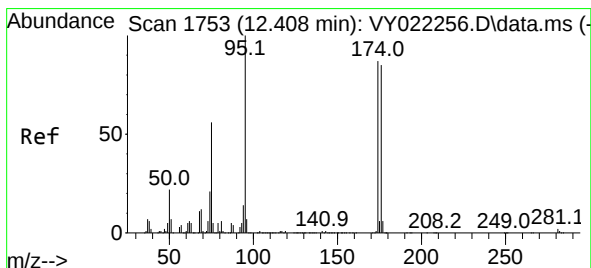
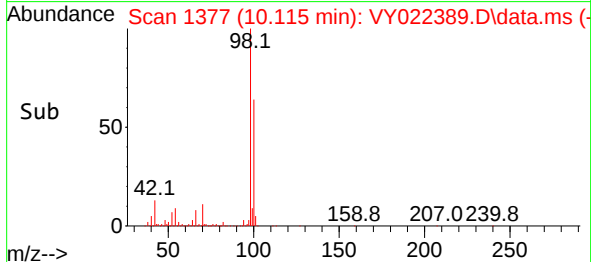
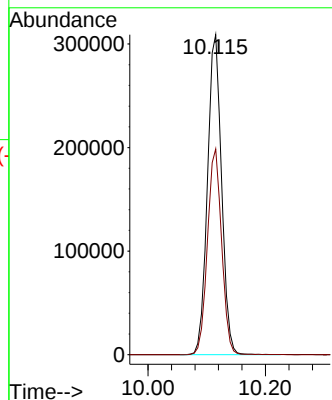
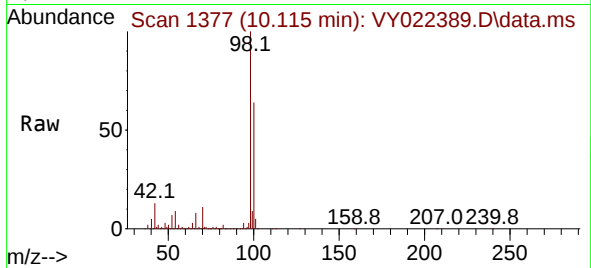




#50
Toluene-d8
Concen: 48.680 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022389.D
Acq: 22 May 2025 12:35

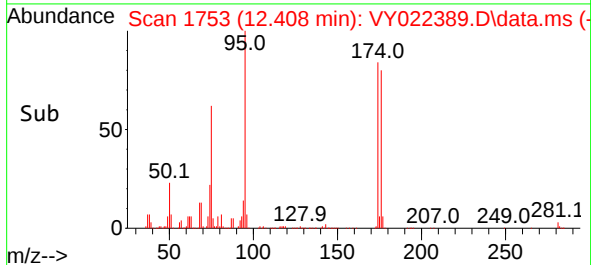
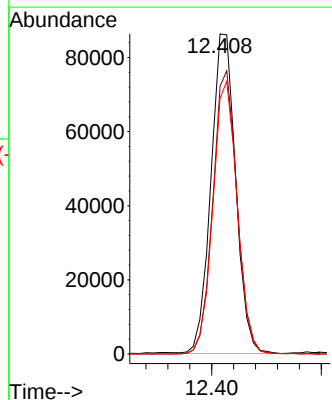
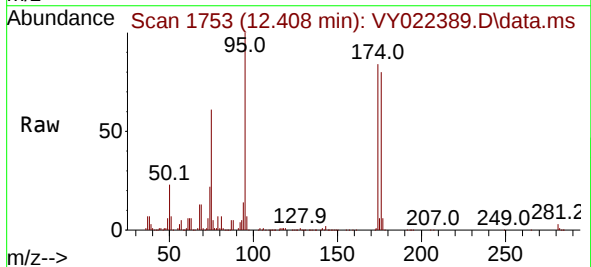
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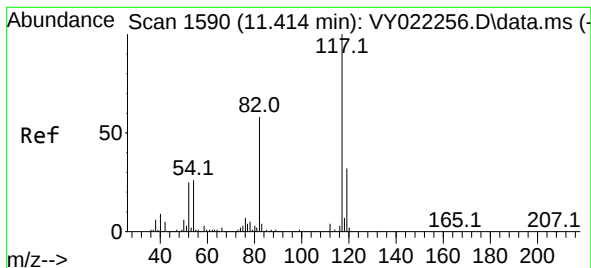
Tgt Ion: 98 Resp: 514682
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.285 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022389.D
Acq: 22 May 2025 12:35

Tgt Ion: 95 Resp: 135002
Ion Ratio Lower Upper
95 100
174 86.7 0.0 166.8
176 83.8 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022389.D

Acq: 22 May 2025 12:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-12

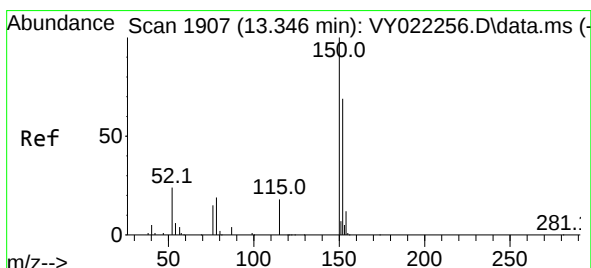
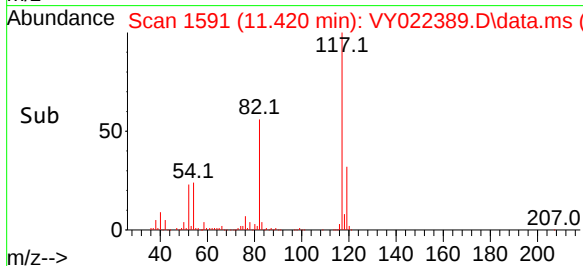
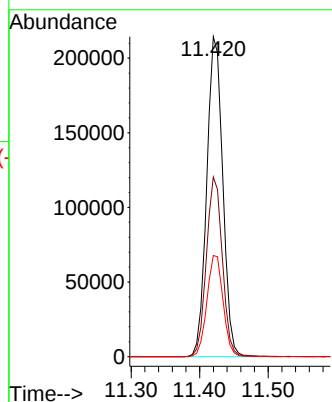
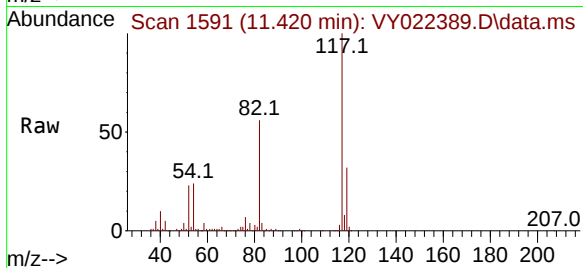
Tgt Ion:117 Resp: 349129

Ion Ratio Lower Upper

117 100

82 56.2 46.6 70.0

119 31.6 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022389.D

Acq: 22 May 2025 12:35

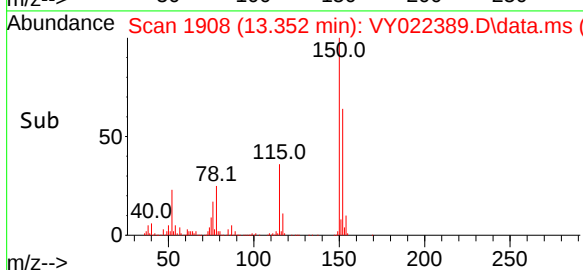
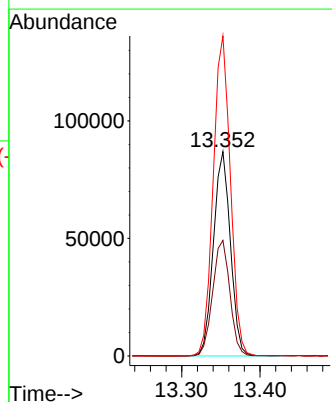
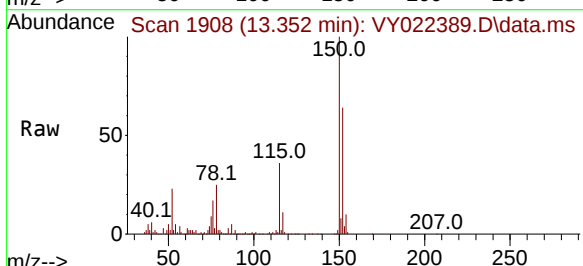
Tgt Ion:152 Resp: 130898

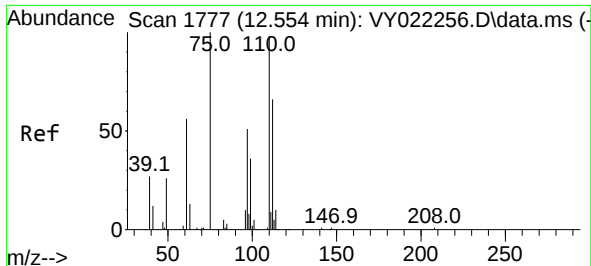
Ion Ratio Lower Upper

152 100

115 57.4 29.4 88.2

150 158.1 0.0 353.8

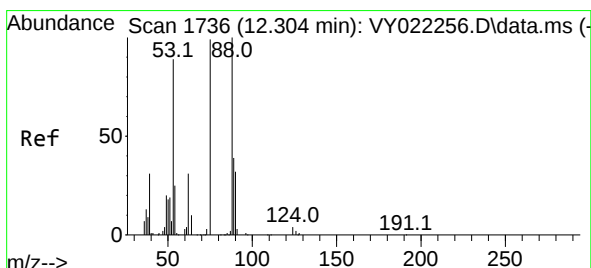
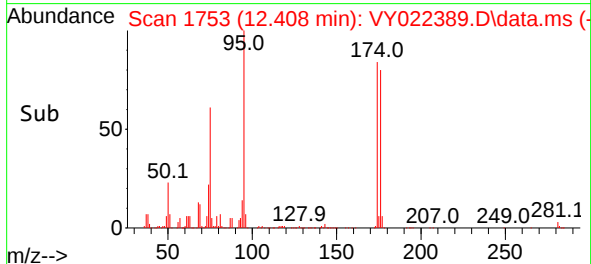
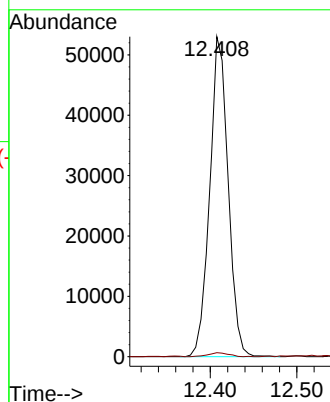
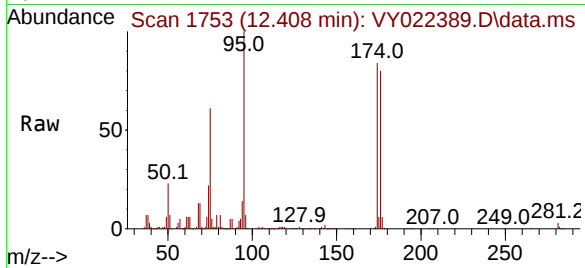




#76
1,2,3-Trichloropropane
Concen: 59.057 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022389.D
Acq: 22 May 2025 12:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-12

Tgt Ion: 75 Resp: 78318
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.635 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022389.D
Acq: 22 May 2025 12:35

Tgt Ion: 75 Resp: 78318
Ion Ratio Lower Upper
75 100
53 0.1 75.8 113.8#
89 0.0 36.2 54.2#

