

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022370.D
 Acq On : 21 May 2025 16:18
 Operator : SY/MD
 Sample : Q2095-07
 Misc : 4.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WCS-TP2-VOC

Quant Time: May 22 00:12:25 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

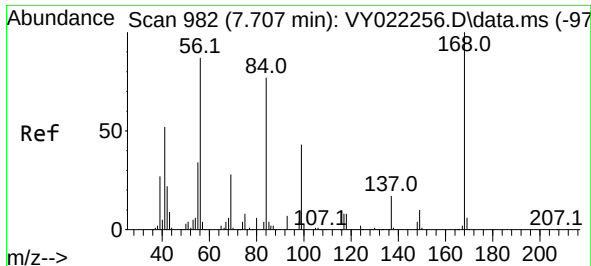
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.719	168	247149	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	437496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	357581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	132597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	126655	46.890	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.780%
35) Dibromofluoromethane	7.646	113	132003	50.552	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.100%
50) Toluene-d8	10.115	98	523289	48.931	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.860%
62) 4-Bromofluorobenzene	12.414	95	134862	39.785	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.560%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.629	84	3336	1.019	ug/l	96
31) Cyclohexane	7.707	56	6225	1.139	ug/l #	35
36) 1,1-Dichloropropene	7.719	75	20464	4.758	ug/l #	52
38) Carbon Tetrachloride	7.713	117	25297	5.682	ug/l #	16
51) 4-Methyl-2-Pentanone	10.115	43	2901	1.310	ug/l #	1
59) 2-Hexanone	10.865	43	14052	9.464	ug/l #	28
76) 1,2,3-Trichloropropane	12.414	75	77839	57.944	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	77839	117.380	ug/l #	12

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

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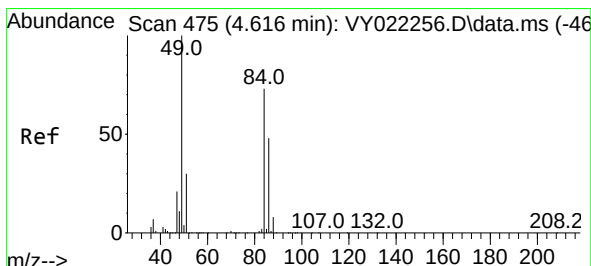
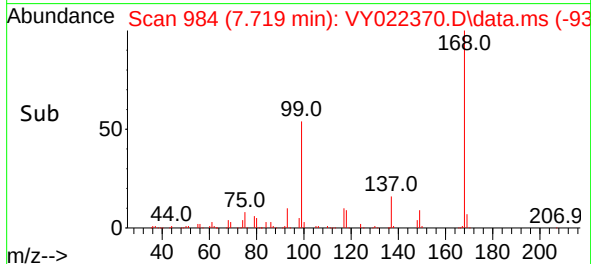
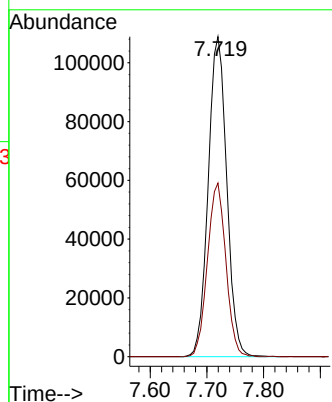
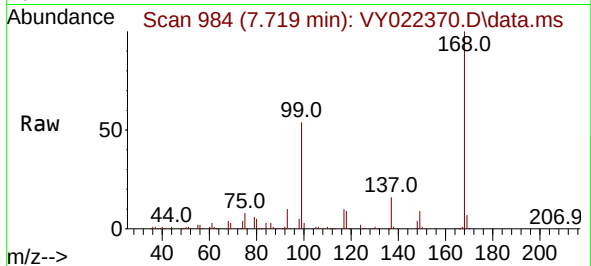




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

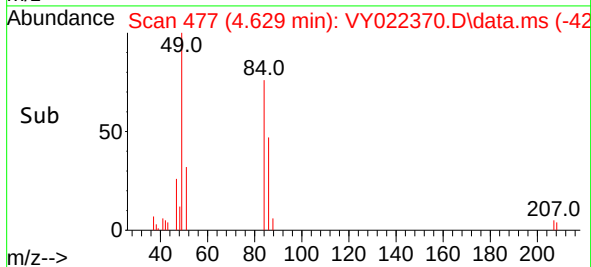
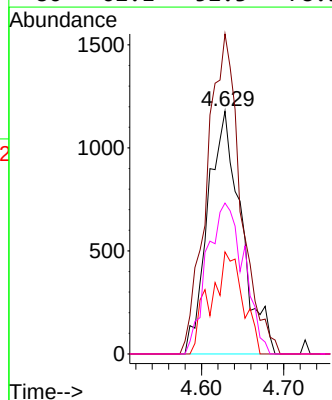
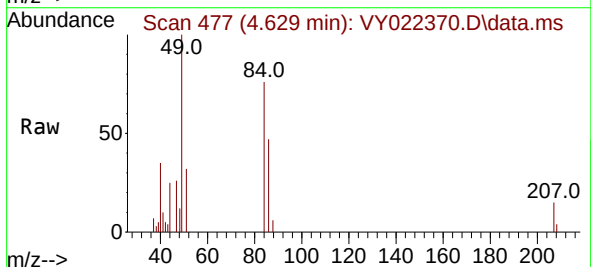
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TP2-VOC

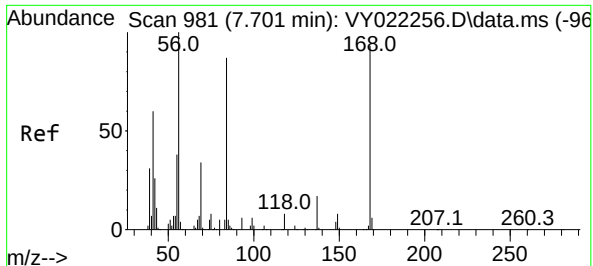
Tgt Ion:168 Resp: 247149
Ion Ratio Lower Upper
168 100
99 54.2 44.2 66.4



#20
Methylene Chloride
Concen: 1.019 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

Tgt Ion: 84 Resp: 3336
Ion Ratio Lower Upper
84 100
49 131.8 109.6 164.4
51 42.0 32.4 48.6
86 62.1 52.3 78.5

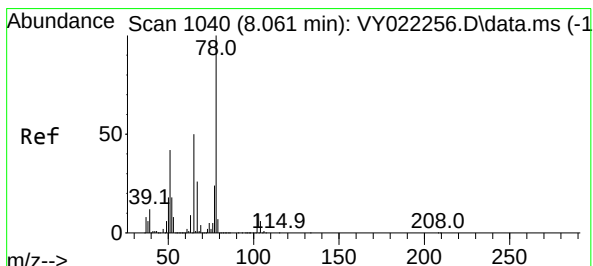
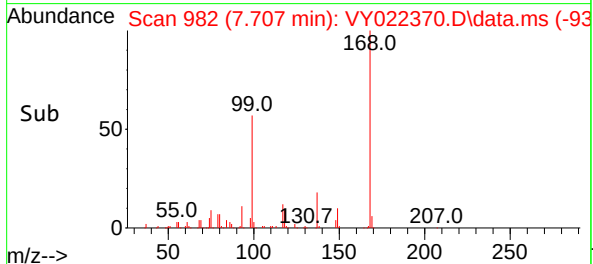
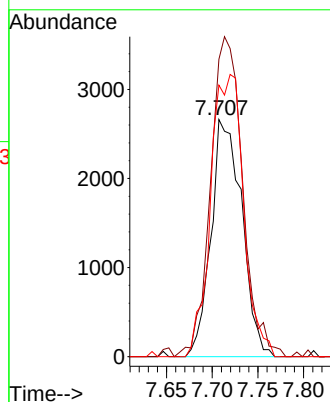
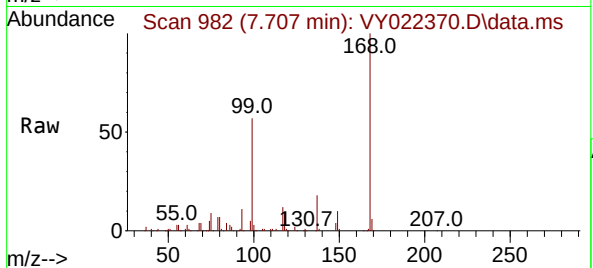




#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

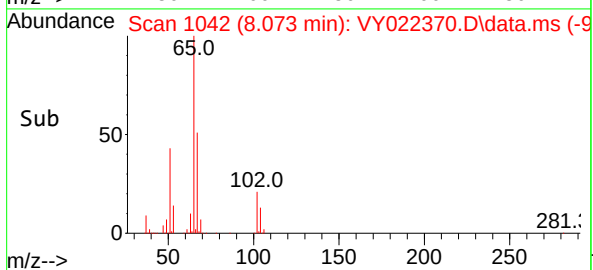
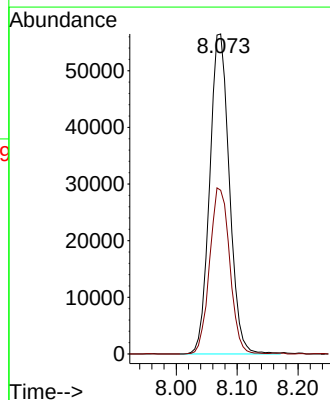
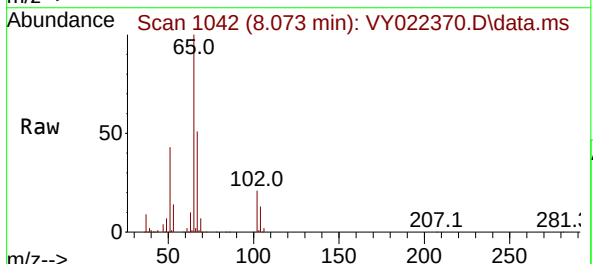
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TP2-VOC

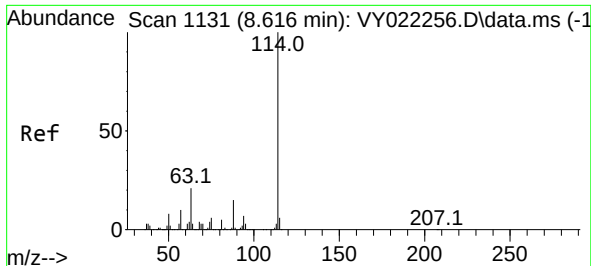
Tgt Ion: 56 Resp: 6225
Ion Ratio Lower Upper
56 100
69 123.5 27.4 41.2#
84 114.5 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.890 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

Tgt Ion: 65 Resp: 126655
Ion Ratio Lower Upper
65 100
67 53.0 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: VY022370.D

Acq: 21 May 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

WCS-TP2-VOC

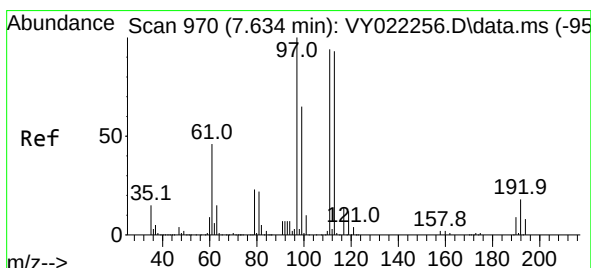
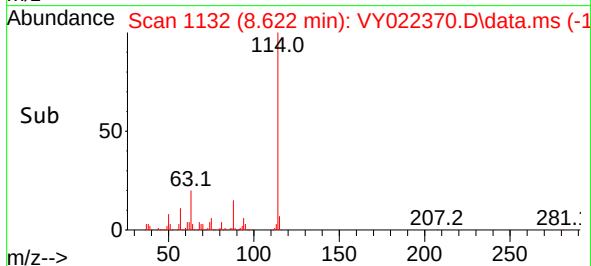
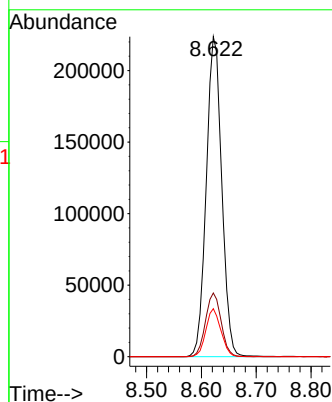
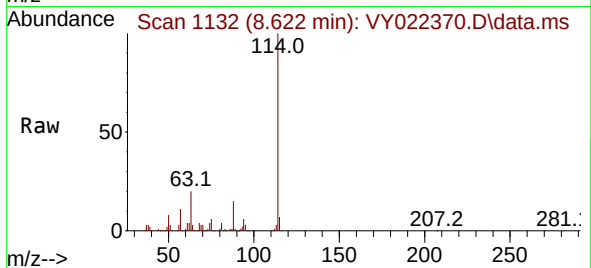
Tgt Ion:114 Resp: 437496

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.0

88 15.0 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.552 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY022370.D

Acq: 21 May 2025 16:18

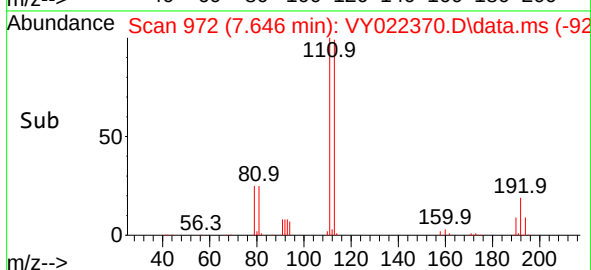
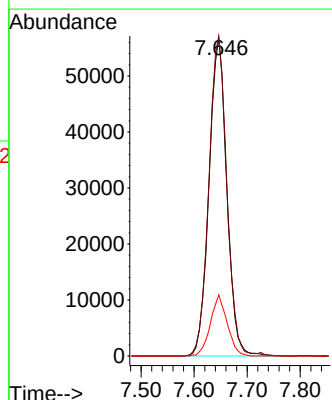
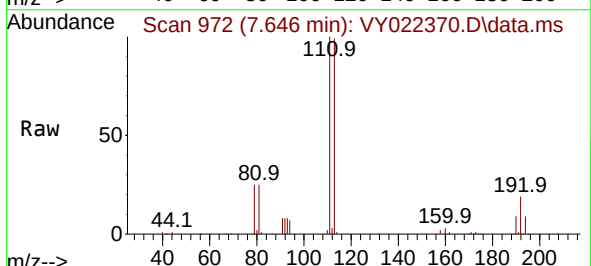
Tgt Ion:113 Resp: 132003

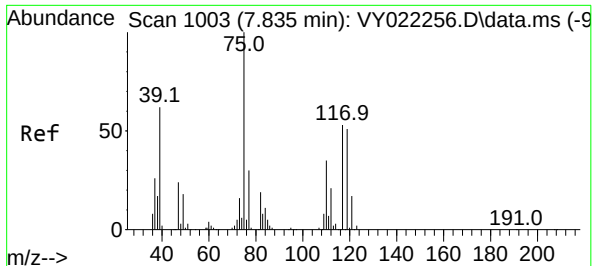
Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

192 18.2 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.758 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.116 min

Lab File: VY022370.D

Acq: 21 May 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

WCS-TP2-VOC

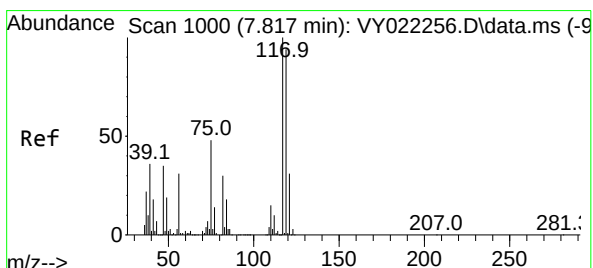
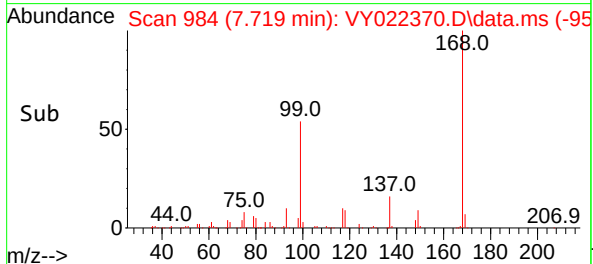
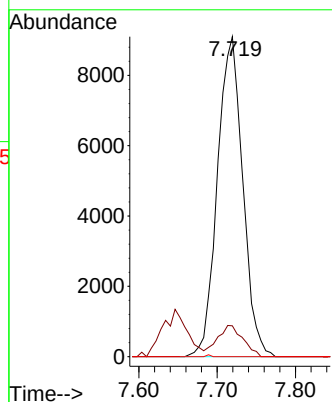
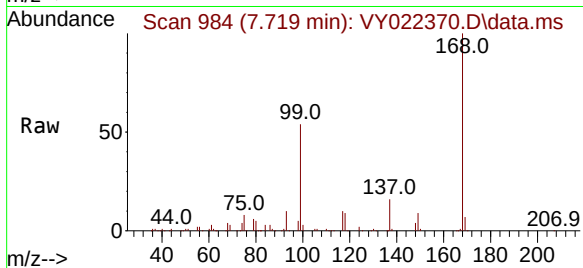
Tgt Ion: 75 Resp: 20464

Ion Ratio Lower Upper

75 100

110 9.9 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.682 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY022370.D

Acq: 21 May 2025 16:18

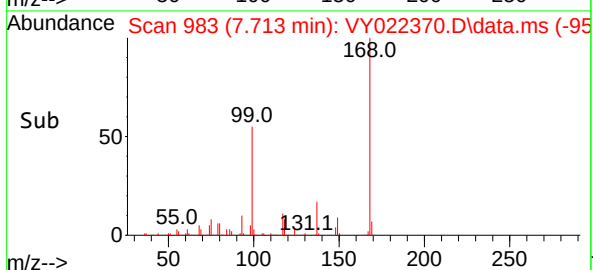
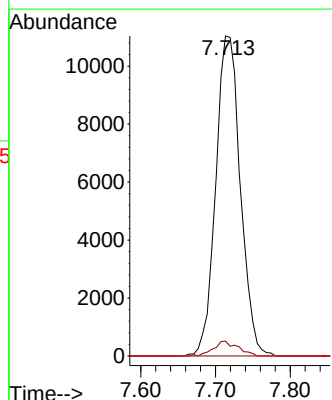
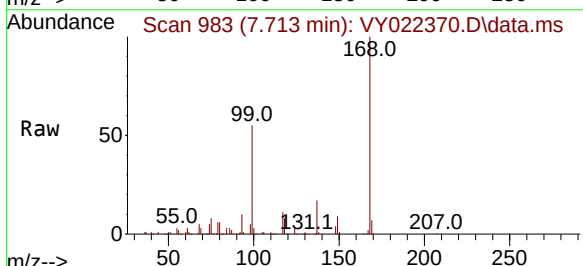
Tgt Ion: 117 Resp: 25297

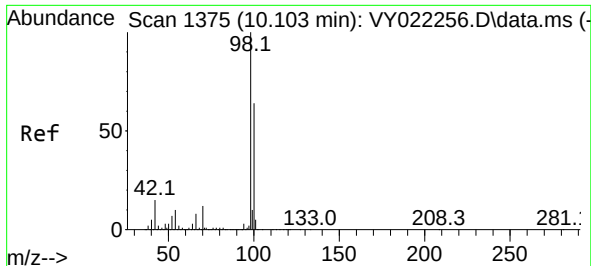
Ion Ratio Lower Upper

117 100

119 4.7 75.3 112.9#

121 0.0 24.7 37.1#

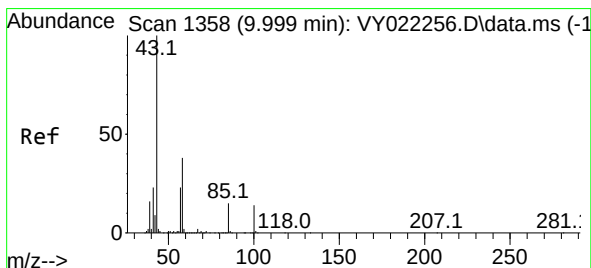
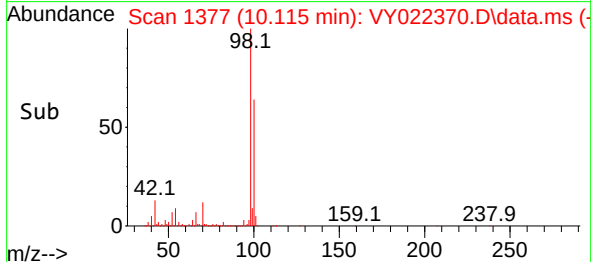
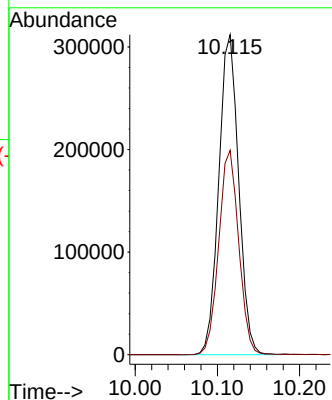
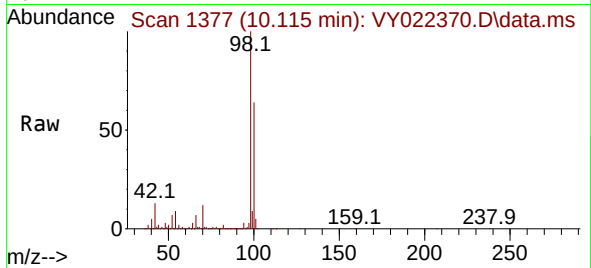




#50
Toluene-d8
Concen: 48.931 ug/l
RT: 10.115 min Scan# 1375
Delta R.T. 0.012 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

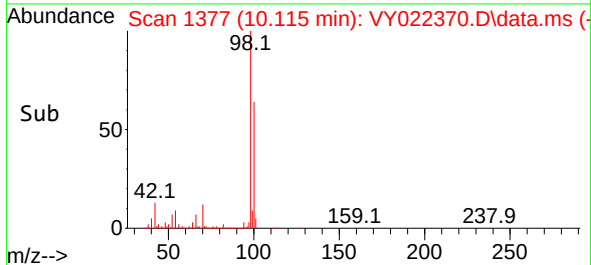
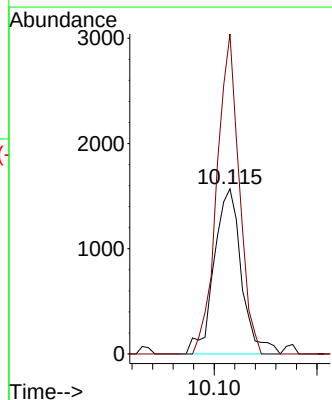
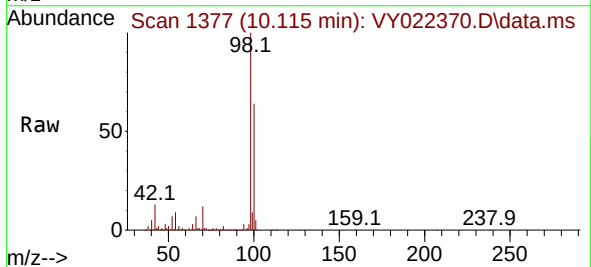
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TP2-VOC

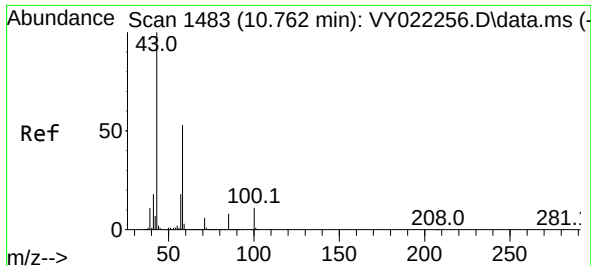
Tgt Ion: 98 Resp: 523289
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.310 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.116 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

Tgt Ion: 43 Resp: 2901
Ion Ratio Lower Upper
43 100
58 158.0 29.4 44.2#

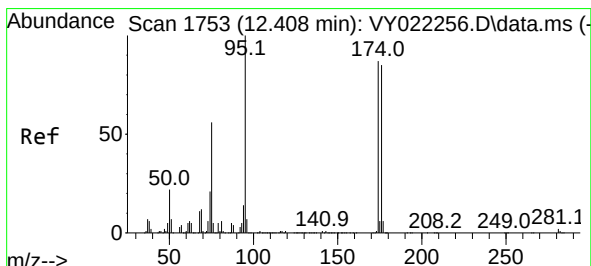
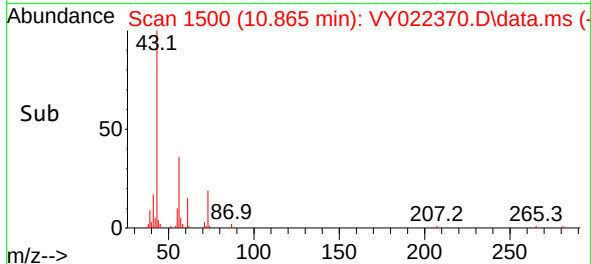
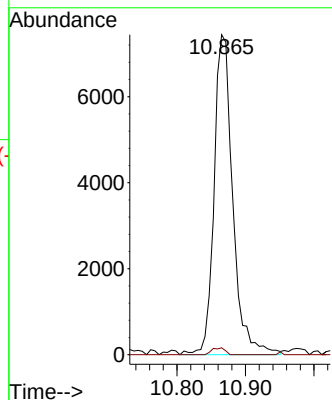
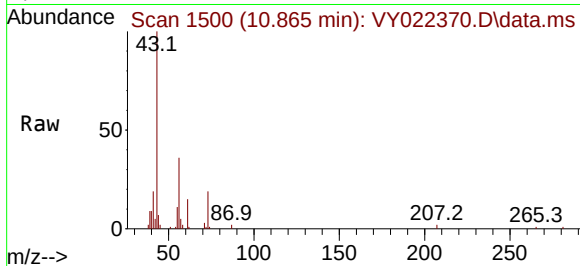




#59
2-Hexanone
Concen: 9.464 ug/l
RT: 10.865 min Scan# 1483
Delta R.T. 0.104 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

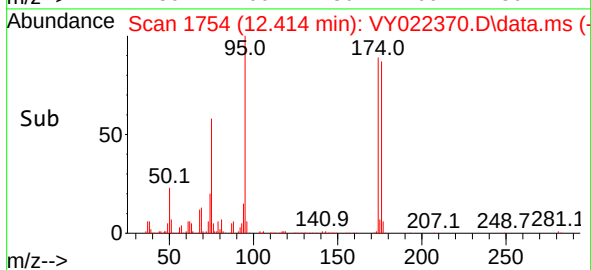
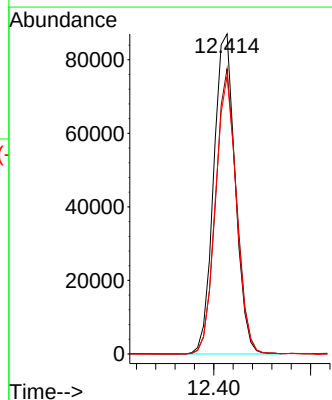
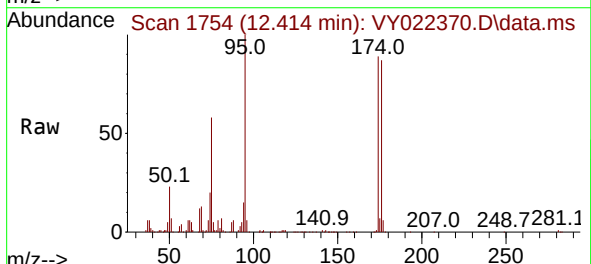
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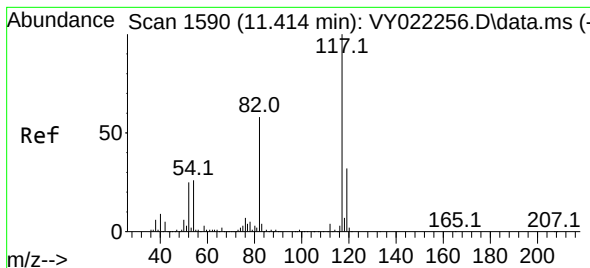
Tgt Ion: 43 Resp: 14052
Ion Ratio Lower Upper
43 100
58 1.5 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 39.785 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

Tgt Ion: 95 Resp: 134862
Ion Ratio Lower Upper
95 100
174 86.2 0.0 166.8
176 84.8 0.0 160.8

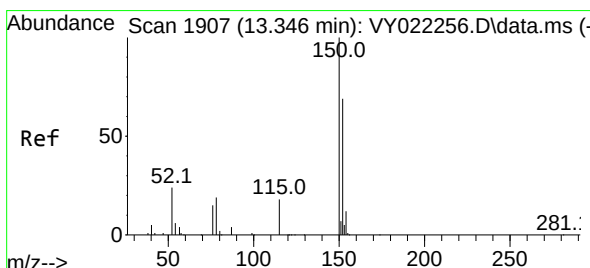
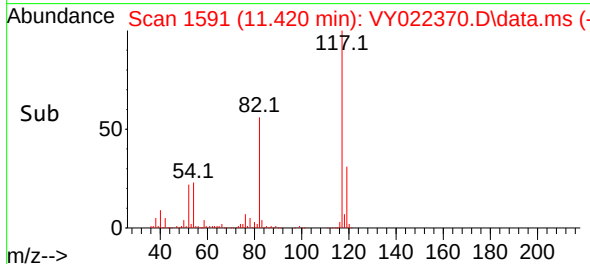
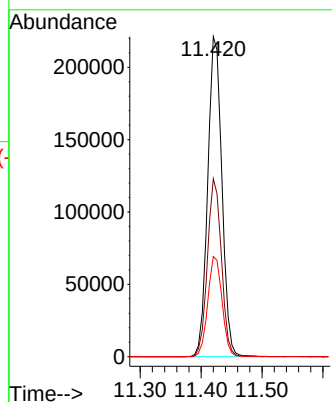
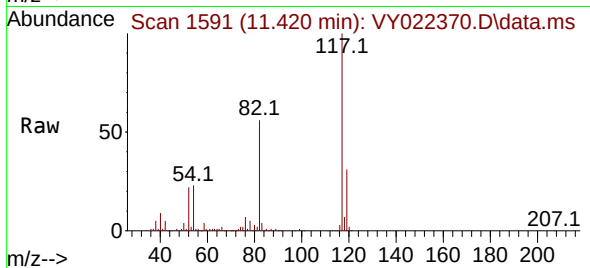




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

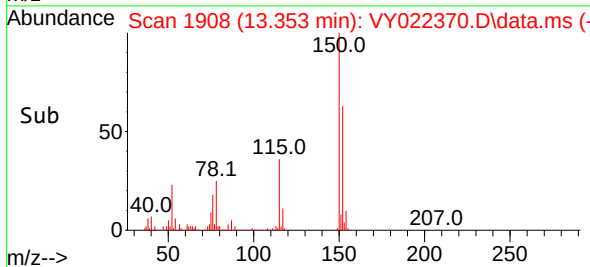
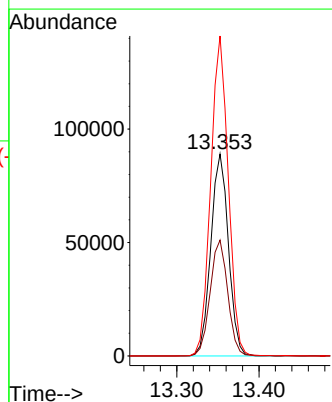
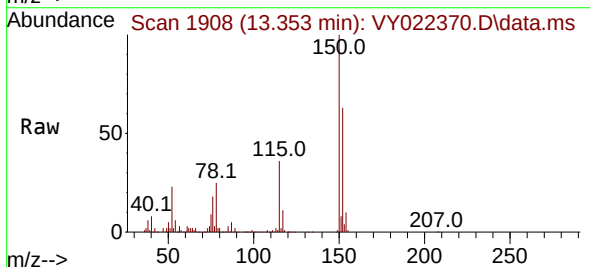
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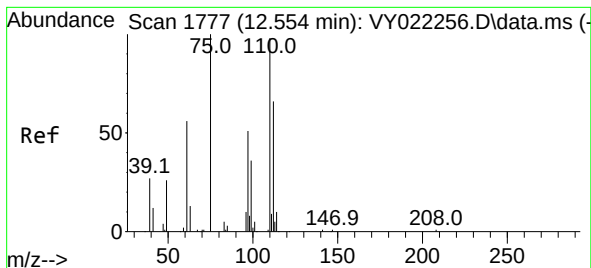
Tgt Ion:117 Resp: 357581
Ion Ratio Lower Upper
117 100
82 55.6 46.6 70.0
119 31.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

Tgt Ion:152 Resp: 132597
Ion Ratio Lower Upper
152 100
115 57.4 29.4 88.2
150 157.5 0.0 353.8

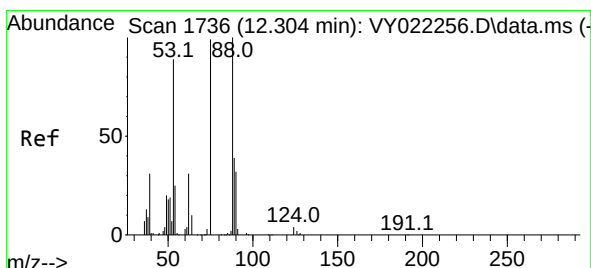
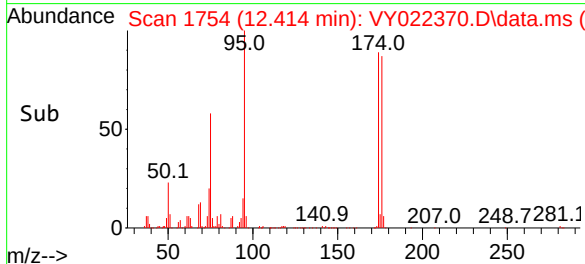
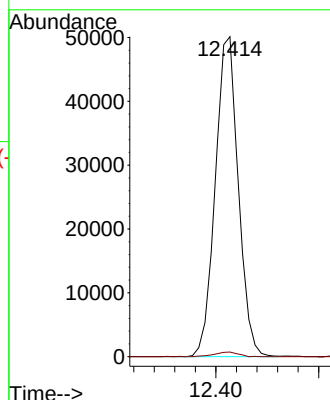
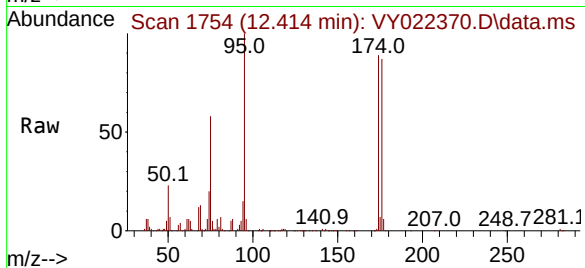




#76
1,2,3-Trichloropropane
Concen: 57.944 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.140 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

Instrument :
MSVOA_Y
ClientSampleId :
WCS-TP2-VOC

Tgt Ion: 75 Resp: 77839
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.380 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.110 min
Lab File: VY022370.D
Acq: 21 May 2025 16:18

Tgt Ion: 75 Resp: 77839
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.1 36.2 54.2#

