

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022386.D
 Acq On : 22 May 2025 11:25
 Operator : SY/MD
 Sample : Q2097-11
 Misc : 5.97g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3419RE

Quant Time: May 23 03:34:46 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)

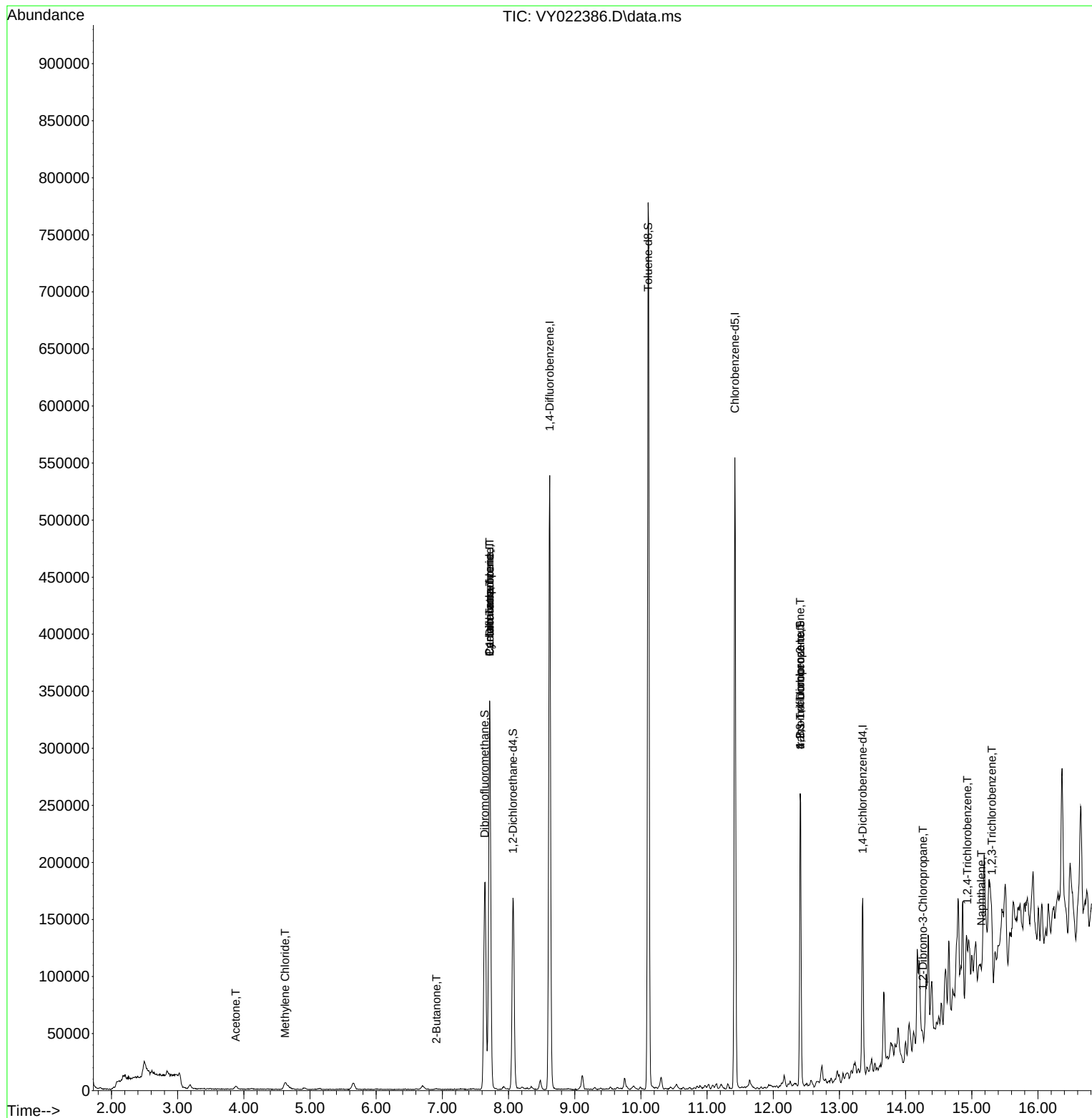
Internal Standards						
1) Pentafluorobenzene	7.713	168	250584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	440067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	273390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	37741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	126730	46.275	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.540%
35) Dibromofluoromethane	7.640	113	128545	48.940	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.880%
50) Toluene-d8	10.109	98	489652	45.518	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.040%
62) 4-Bromofluorobenzene	12.407	95	69838	20.482	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	40.960%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	4981	9.700	ug/l	94
20) Methylene Chloride	4.622	84	3798	1.145	ug/l #	93
25) 2-Butanone	6.908	43	1051	1.224	ug/l	94
31) Cyclohexane	7.713	56	9567	1.727	ug/l #	45
36) 1,1-Dichloropropene	7.713	75	21429	4.953	ug/l #	51
38) Carbon Tetrachloride	7.713	117	24823	5.543	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	41068	107.408	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	41068	217.581	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.261	75	112	1.444	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.931	180	670	1.013	ug/l #	1
95) Naphthalene	15.145	128	1823	1.452	ug/l #	27
96) 1,2,3-Trichlorobenzene	15.303	180	1590	2.834	ug/l #	23

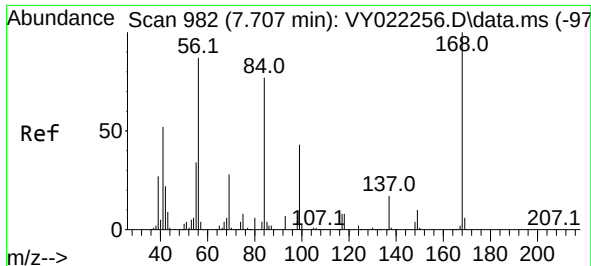
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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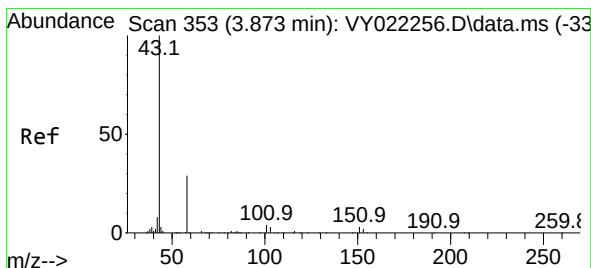
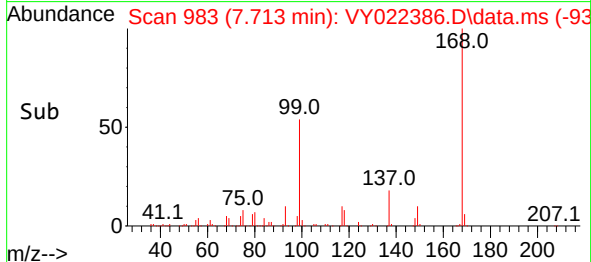
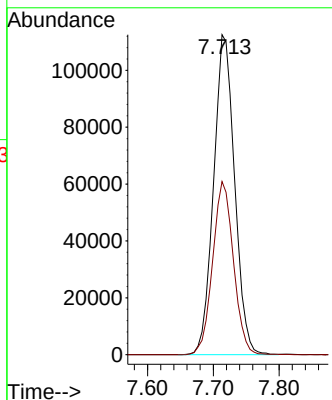
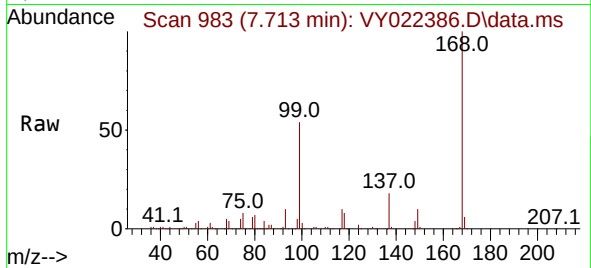




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

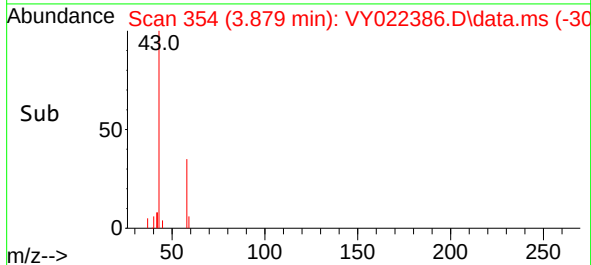
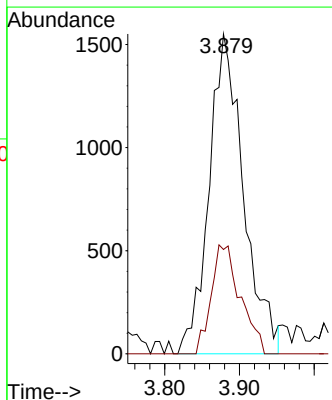
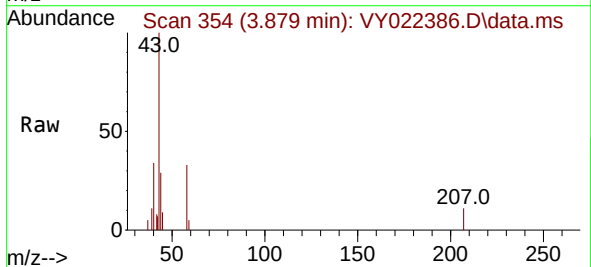
Instrument :
MSVOA_Y
ClientSampleId :
RT3419RE

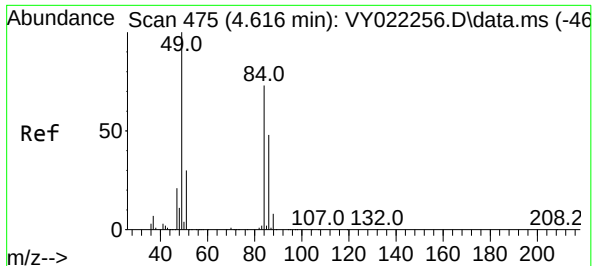
Tgt Ion:168 Resp: 250584
Ion Ratio Lower Upper
168 100
99 54.1 44.2 66.4



#16
Acetone
Concen: 9.700 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

Tgt Ion: 43 Resp: 4981
Ion Ratio Lower Upper
43 100
58 32.6 23.6 35.4





#20

Methylene Chloride

Concen: 1.145 ug/l

RT: 4.622 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY022386.D

Acq: 22 May 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

RT3419RE

Tgt Ion: 84 Resp: 3798

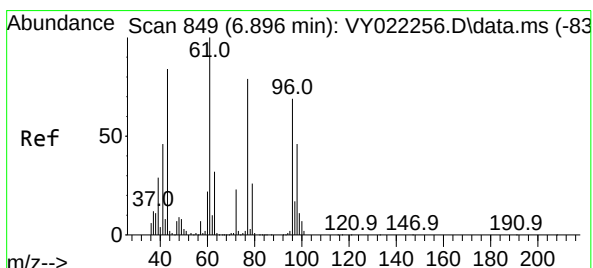
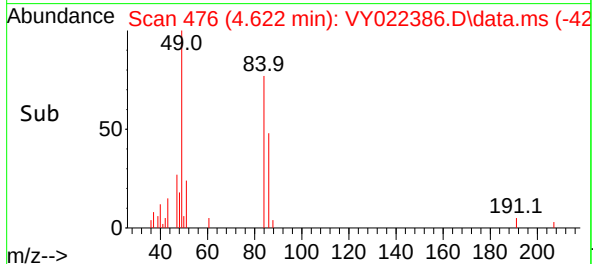
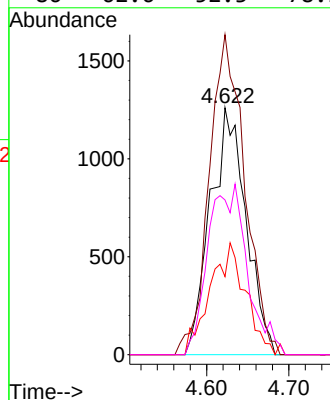
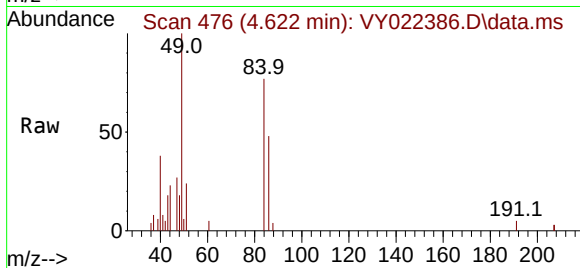
Ion Ratio Lower Upper

84 100

49 129.6 109.6 164.4

51 31.6 32.4 48.6#

86 62.6 52.3 78.5



#25

2-Butanone

Concen: 1.224 ug/l

RT: 6.908 min Scan# 851

Delta R.T. 0.012 min

Lab File: VY022386.D

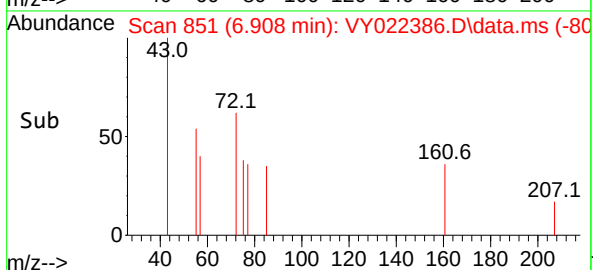
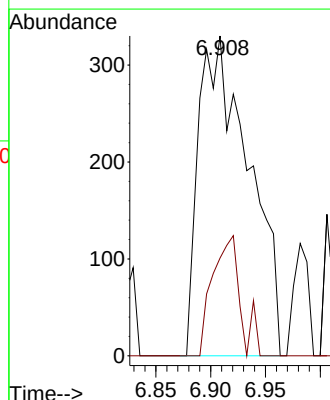
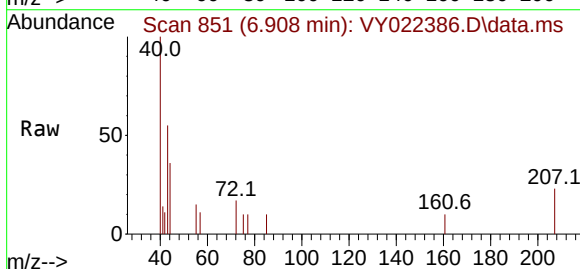
Acq: 22 May 2025 11:25

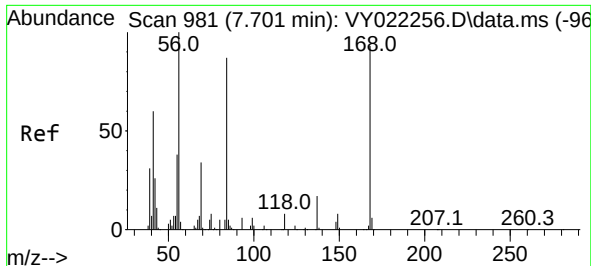
Tgt Ion: 43 Resp: 1051

Ion Ratio Lower Upper

43 100

72 30.6 22.1 33.1

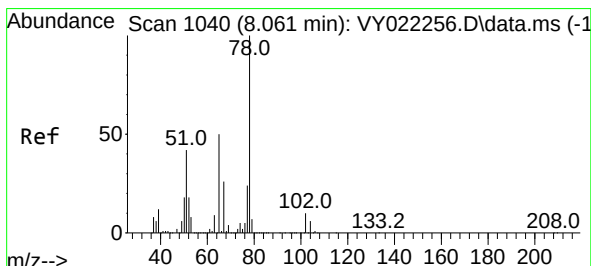
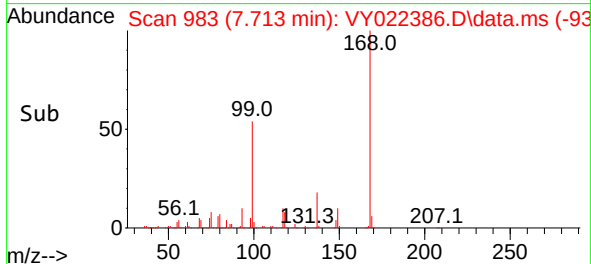
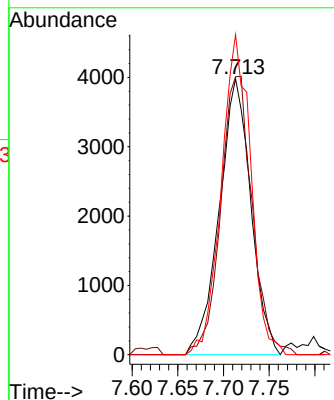
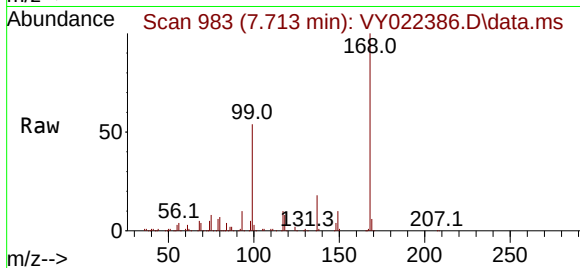




#31
Cyclohexane
Concen: 1.727 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

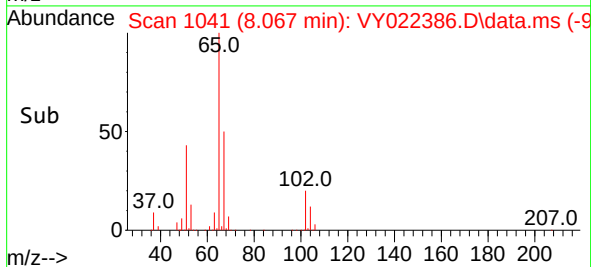
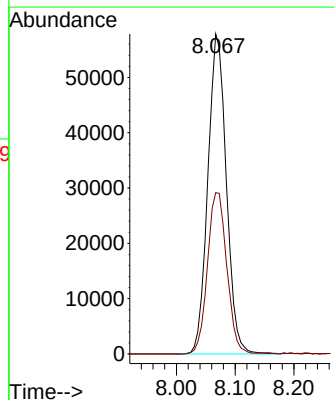
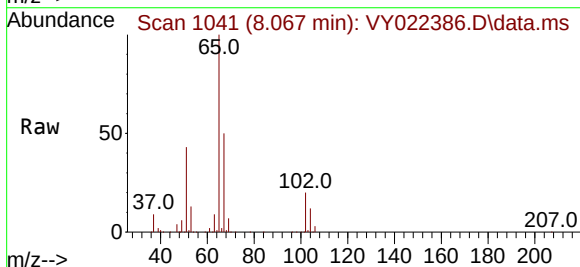
Instrument :
MSVOA_Y
ClientSampleId :
RT3419RE

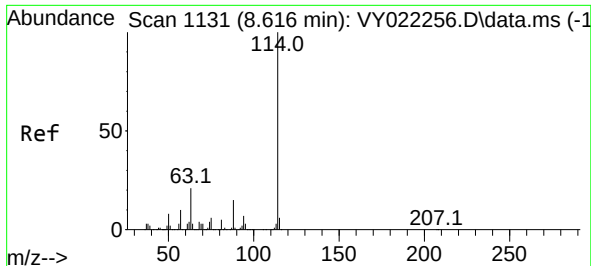
Tgt Ion: 56 Resp: 9567
Ion Ratio Lower Upper
56 100
69 100.7 27.4 41.2#
84 116.0 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.275 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

Tgt Ion: 65 Resp: 126730
Ion Ratio Lower Upper
65 100
67 52.8 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: VY022386.D

Acq: 22 May 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

RT3419RE

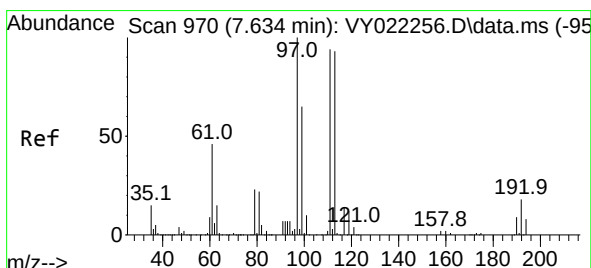
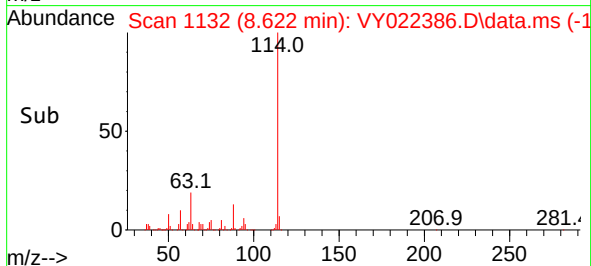
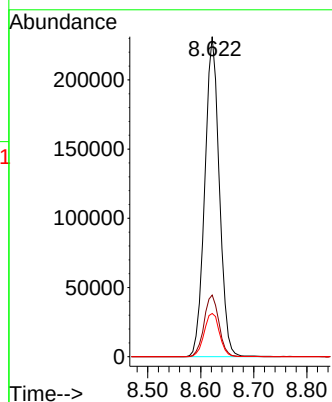
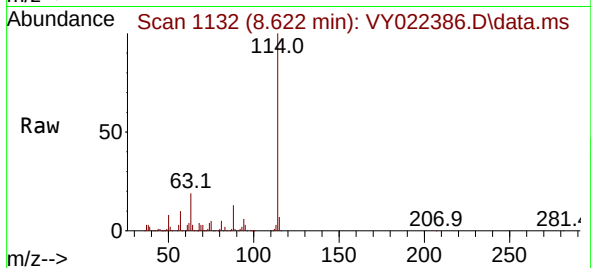
Tgt Ion:114 Resp: 440067

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.0

88 13.5 0.0 29.4



#35

Dibromofluoromethane

Concen: 48.940 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022386.D

Acq: 22 May 2025 11:25

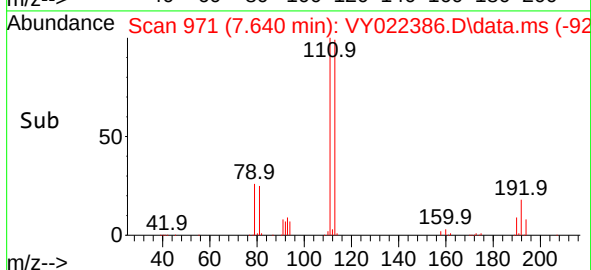
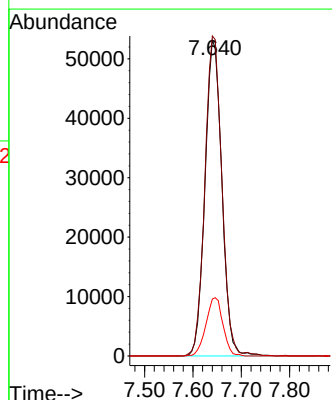
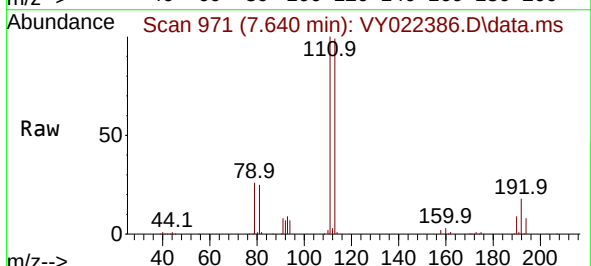
Tgt Ion:113 Resp: 128545

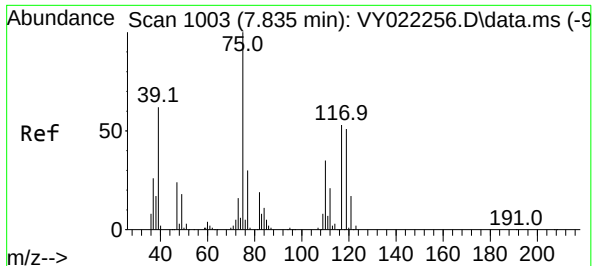
Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

192 18.6 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.953 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY022386.D

Acq: 22 May 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

RT3419RE

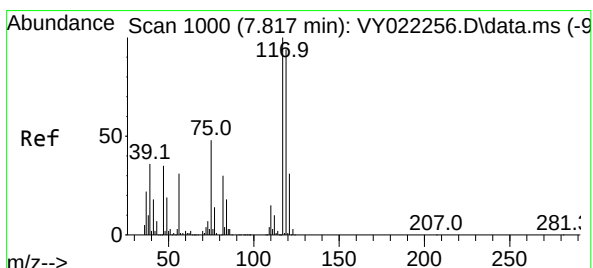
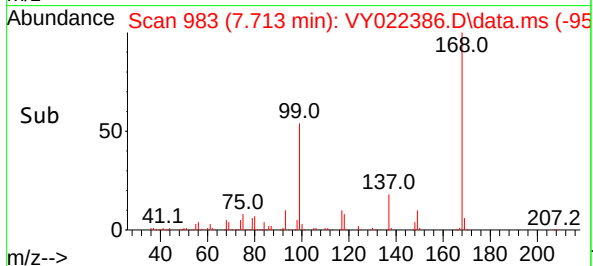
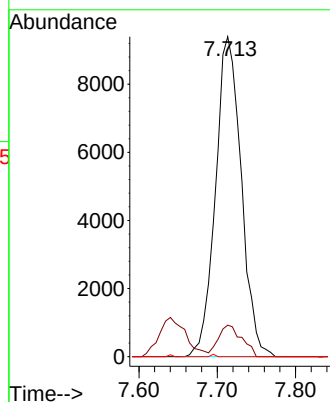
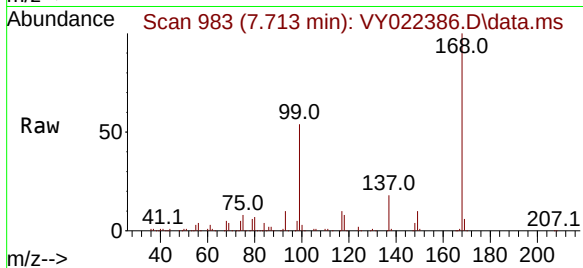
Tgt Ion: 75 Resp: 21429

Ion Ratio Lower Upper

75 100

110 9.0 16.6 49.8#

77 0.1 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.543 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY022386.D

Acq: 22 May 2025 11:25

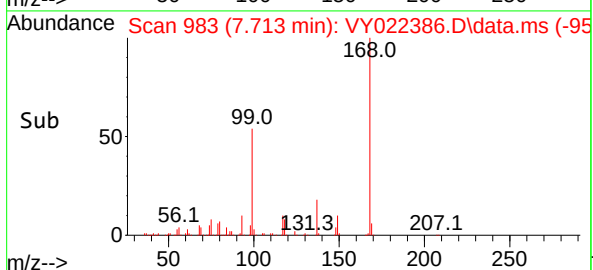
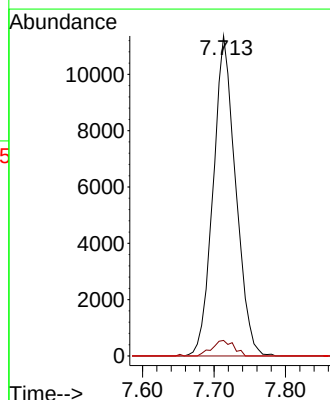
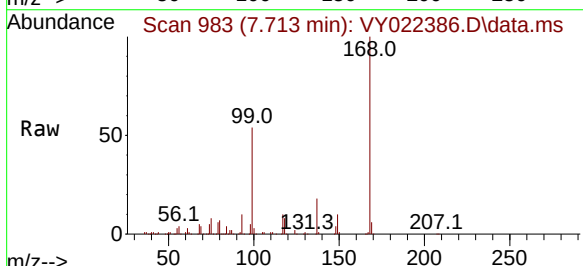
Tgt Ion: 117 Resp: 24823

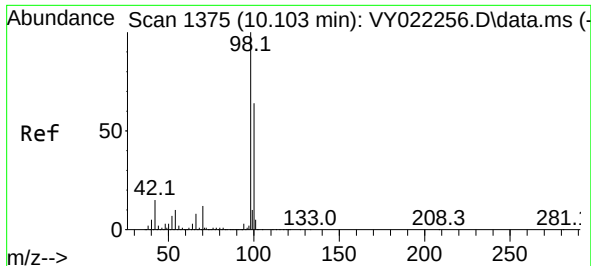
Ion Ratio Lower Upper

117 100

119 4.9 75.3 112.9#

121 0.0 24.7 37.1#

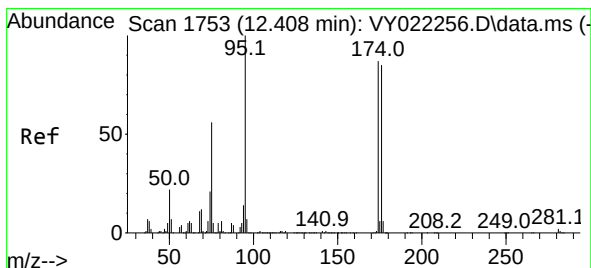
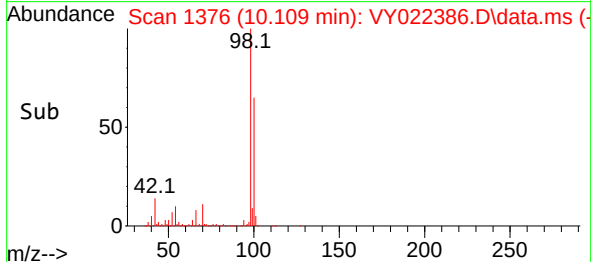
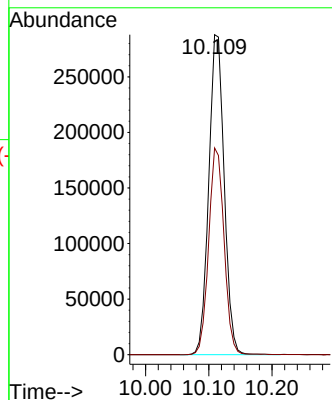
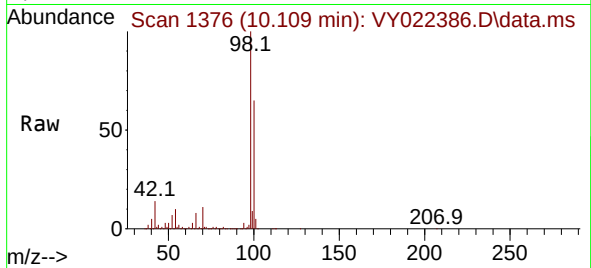




#50
Toluene-d8
Concen: 45.518 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

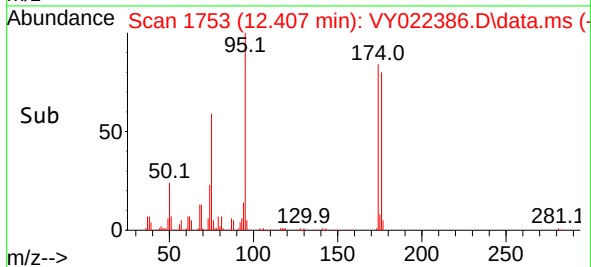
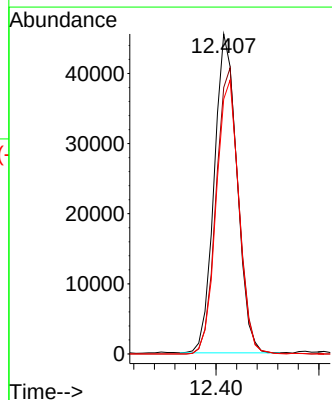
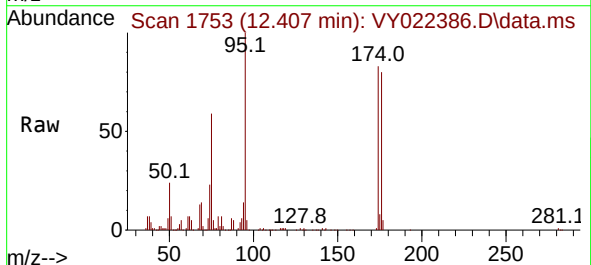
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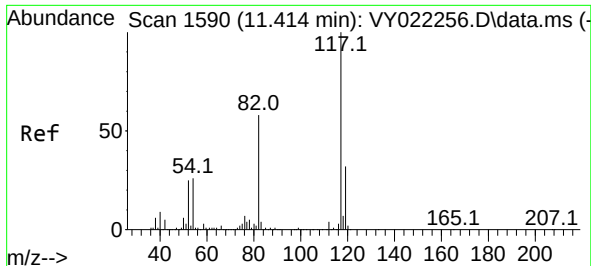
Tgt Ion: 98 Resp: 489652
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 20.482 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

Tgt Ion: 95 Resp: 69838
Ion Ratio Lower Upper
95 100
174 89.2 0.0 166.8
176 85.6 0.0 160.8

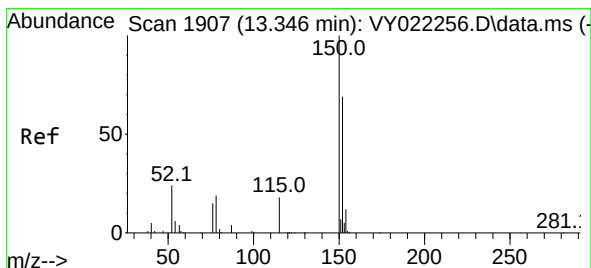
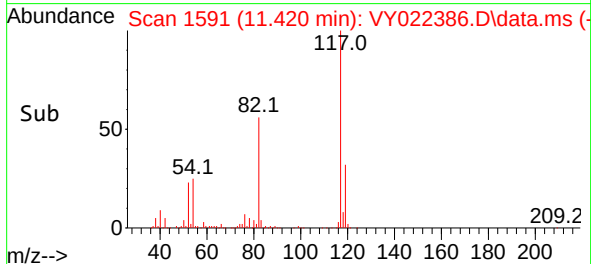
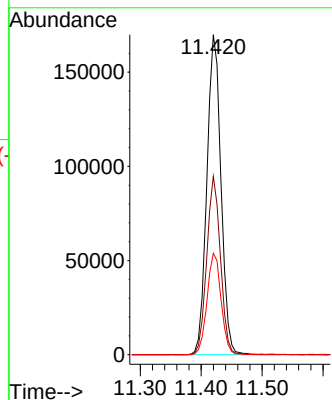
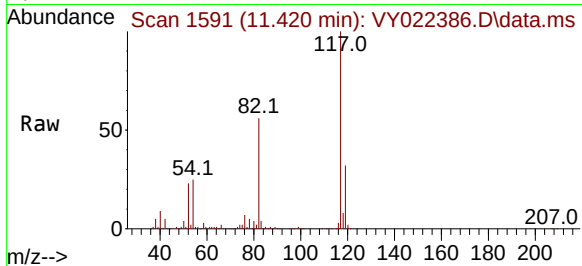




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

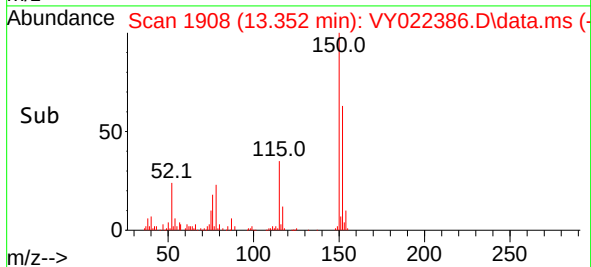
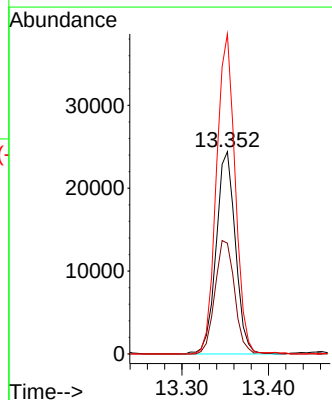
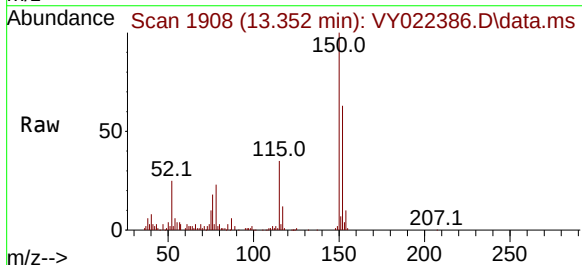
Instrument :
MSVOA_Y
ClientSampleId :
RT3419RE

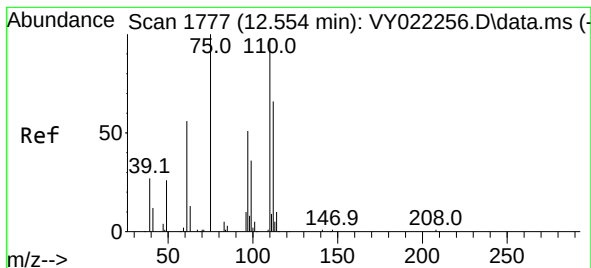
Tgt Ion:117 Resp: 273390
Ion Ratio Lower Upper
117 100
82 55.7 46.6 70.0
119 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

Tgt Ion:152 Resp: 37741
Ion Ratio Lower Upper
152 100
115 57.2 29.4 88.2
150 153.8 0.0 353.8

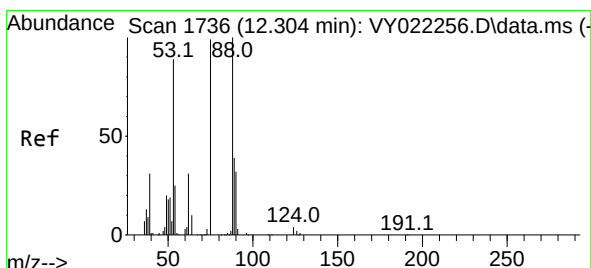
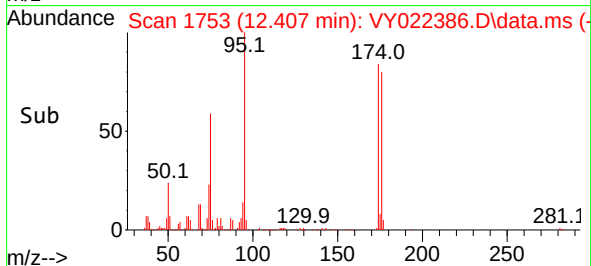
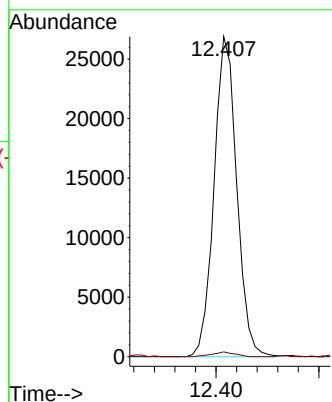
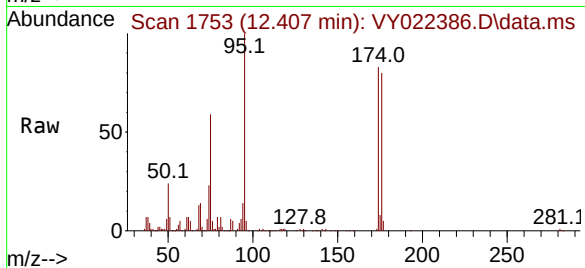




#76
1,2,3-Trichloropropane
Concen: 107.408 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

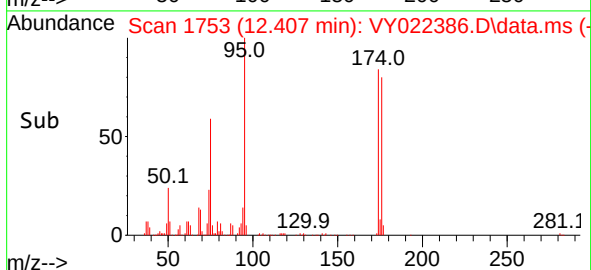
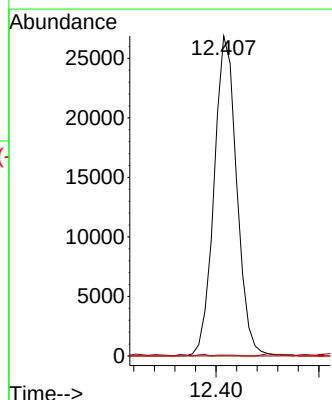
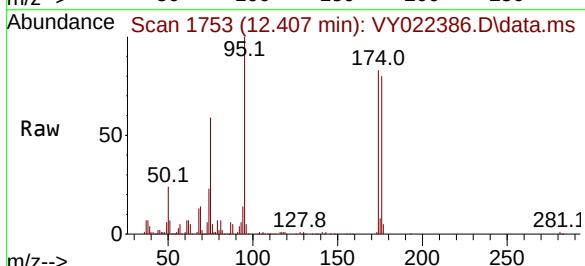
Instrument :
MSVOA_Y
ClientSampleId :
RT3419RE

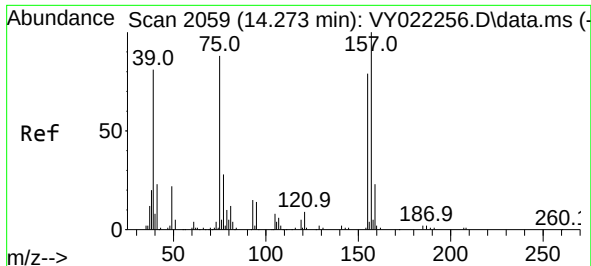
Tgt Ion: 75 Resp: 41068
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 217.581 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

Tgt Ion: 75 Resp: 41068
Ion Ratio Lower Upper
75 100
53 0.2 75.8 113.8#
89 0.0 36.2 54.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.444 ug/l

RT: 14.261 min Scan# 2059

Delta R.T. -0.012 min

Lab File: VY022386.D

Acq: 22 May 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

RT3419RE

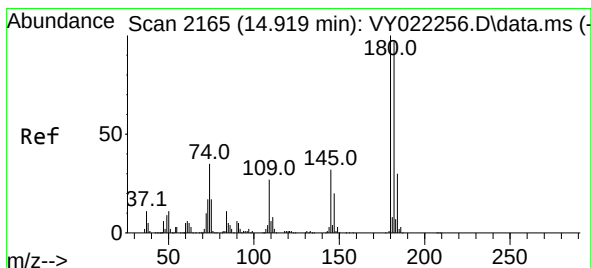
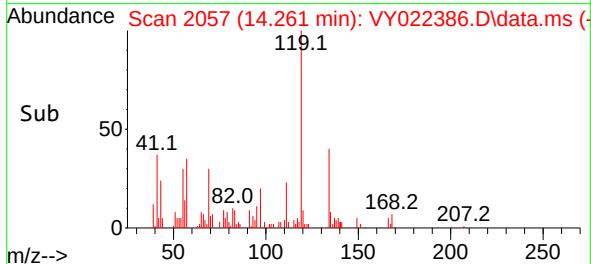
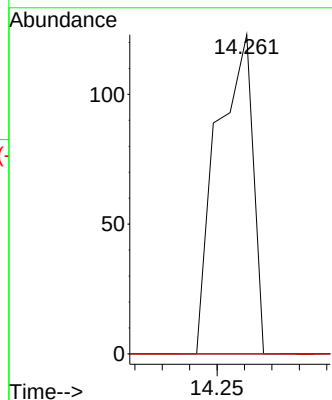
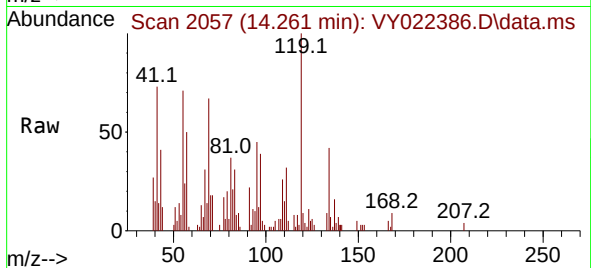
Tgt Ion: 75 Resp: 112

Ion Ratio Lower Upper

75 100

155 0.0 43.4 130.1#

157 0.0 54.6 163.9#



#93

1,2,4-Trichlorobenzene

Concen: 1.013 ug/l

RT: 14.931 min Scan# 2167

Delta R.T. 0.012 min

Lab File: VY022386.D

Acq: 22 May 2025 11:25

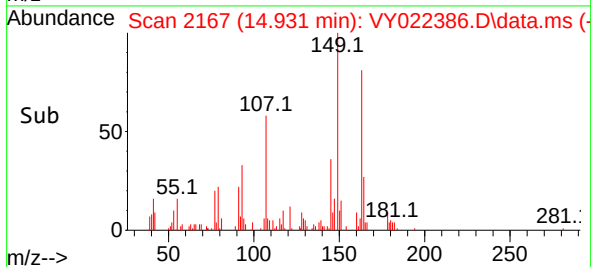
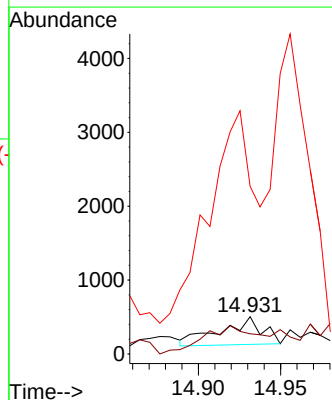
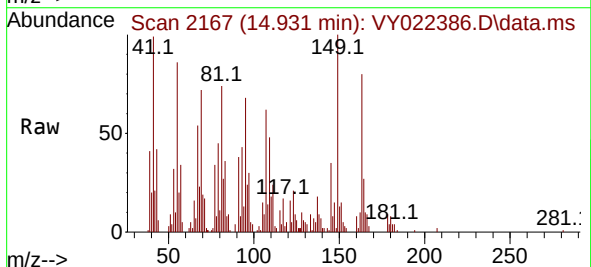
Tgt Ion:180 Resp: 670

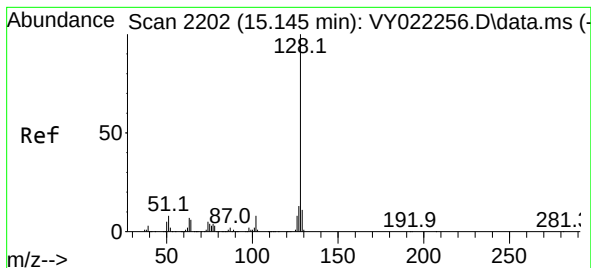
Ion Ratio Lower Upper

180 100

182 102.5 48.0 144.0

145 1030.6 15.0 45.1#





#95

Naphthalene

Concen: 1.452 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY022386.D

Acq: 22 May 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

RT3419RE

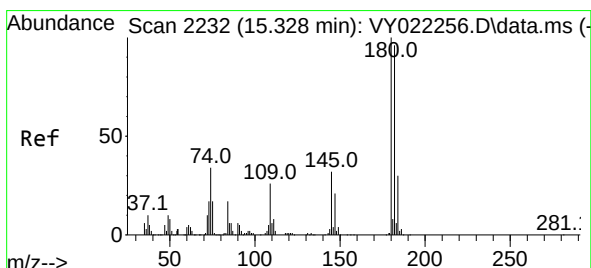
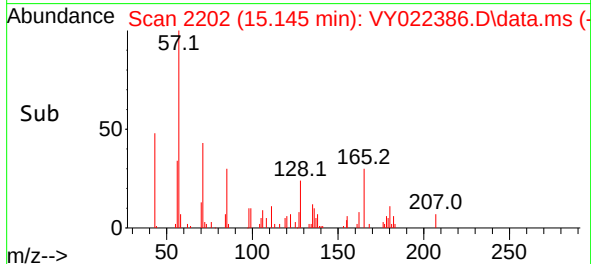
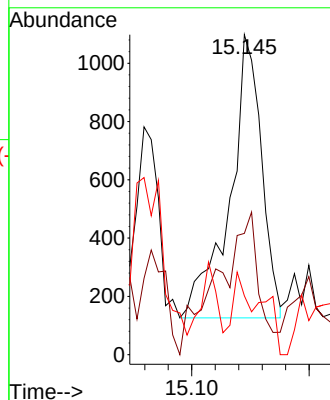
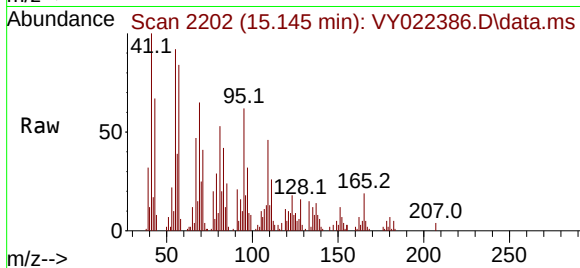
Tgt Ion:128 Resp: 1823

Ion Ratio Lower Upper

128 100

127 64.4 10.2 15.2#

129 8.7 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 2.834 ug/l

RT: 15.303 min Scan# 2228

Delta R.T. -0.024 min

Lab File: VY022386.D

Acq: 22 May 2025 11:25

Tgt Ion:180 Resp: 1590

Ion Ratio Lower Upper

180 100

182 54.3 47.1 141.3

145 132.7 15.9 47.6#

