

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022365.D
 Acq On : 21 May 2025 14:21
 Operator : SY/MD
 Sample : Q2097-11
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3419

Quant Time: May 22 00:10:21 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	253175	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	447571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	299153	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	55622	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	124252	44.906	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.820%
35) Dibromofluoromethane	7.646	113	129776	48.580	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.160%
50) Toluene-d8	10.109	98	502133	45.896	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.800%
62) 4-Bromofluorobenzene	12.408	95	91820	26.478	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	52.960%

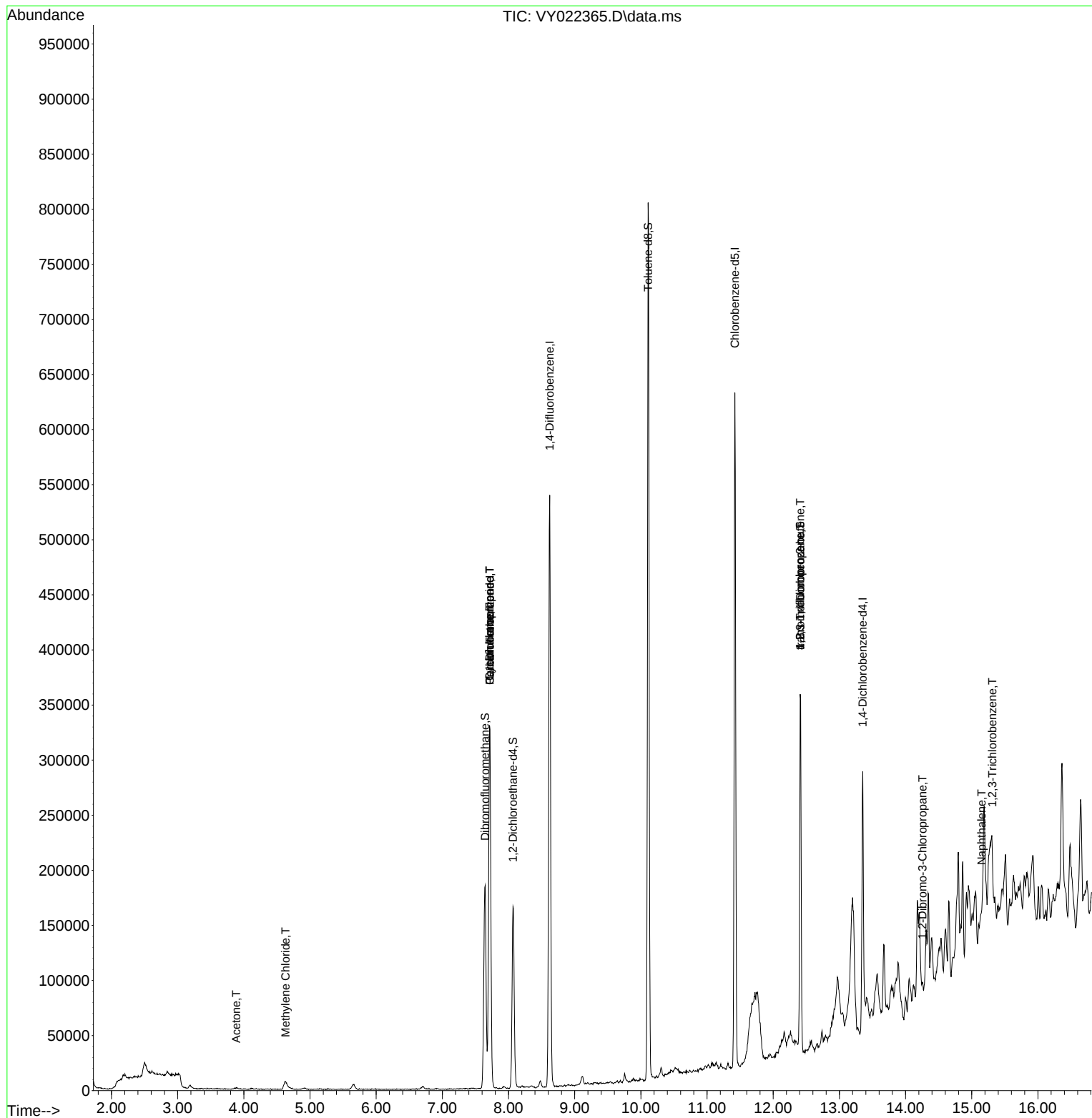
Target Compounds					Qvalue	
16) Acetone	3.885	43	2723	5.248	ug/l #	80
20) Methylene Chloride	4.628	84	4767	1.422	ug/l #	75
31) Cyclohexane	7.713	56	9473	1.692	ug/l #	43
36) 1,1-Dichloropropene	7.713	75	21720	4.936	ug/l #	50
38) Carbon Tetrachloride	7.719	117	25035	5.497	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	52082	92.424	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	52082	187.228	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.255	75	146	1.278	ug/l #	1
95) Naphthalene	15.151	128	2373	1.283	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.309	180	1358	1.642	ug/l #	1

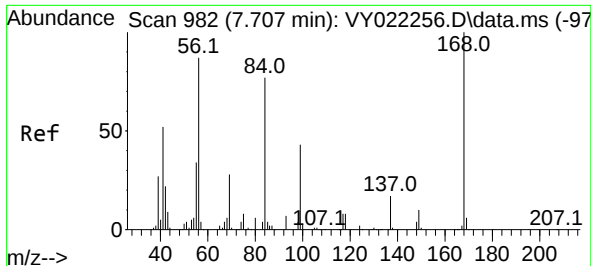
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
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Operator : SY/MD
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Misc : 5.57g/5.0mL/MSVOA_Y/SOIL/A
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Quant Title : SW846 8260
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Response via : Initial Calibration

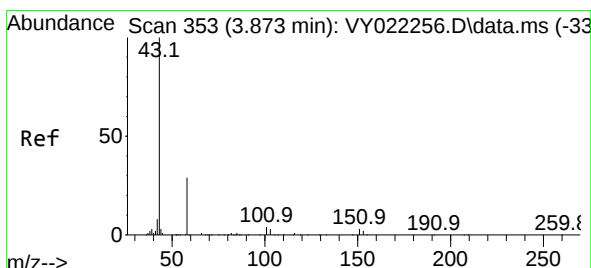
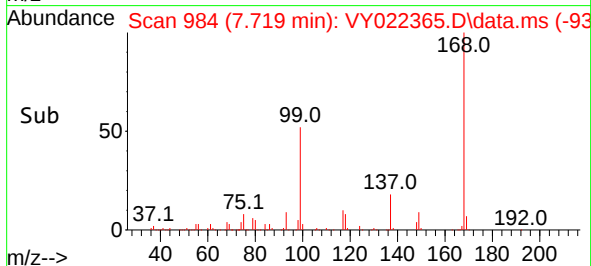
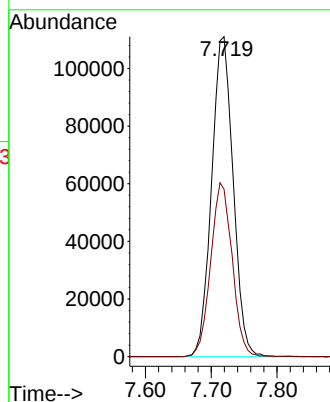
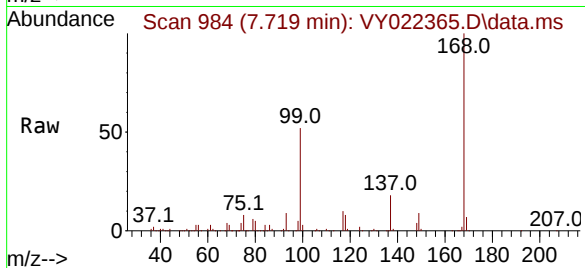




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

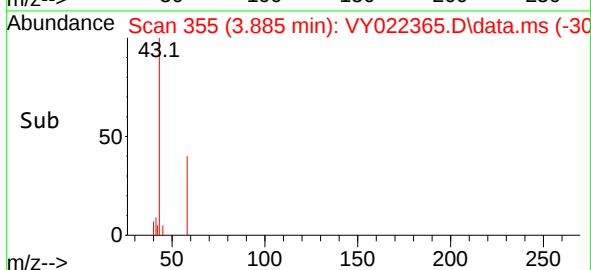
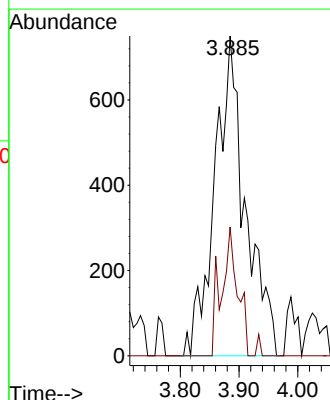
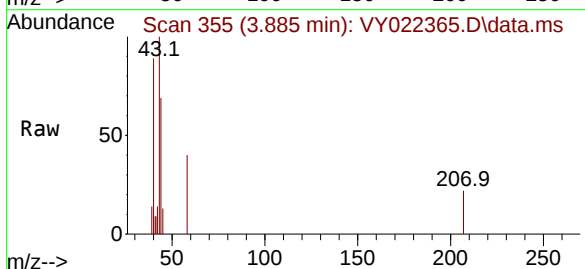
Instrument :
MSVOA_Y
ClientSampleId :
RT3419

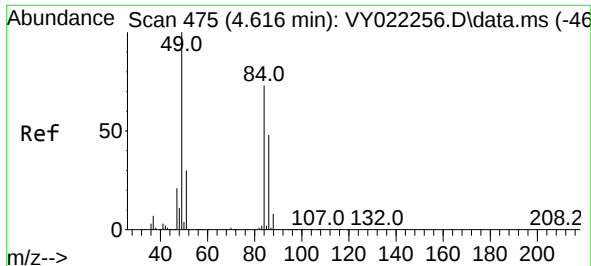
Tgt Ion:168 Resp: 253175
Ion Ratio Lower Upper
168 100
99 52.3 44.2 66.4



#16
Acetone
Concen: 5.248 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

Tgt Ion: 43 Resp: 2723
Ion Ratio Lower Upper
43 100
58 40.3 23.6 35.4#

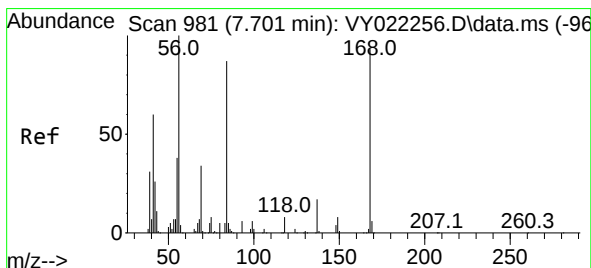
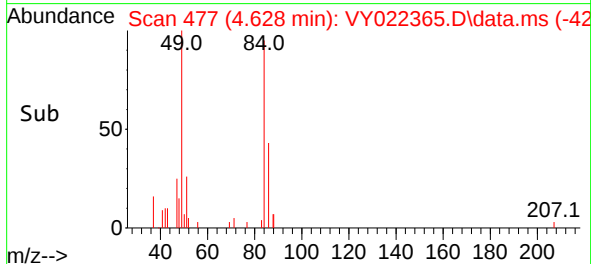
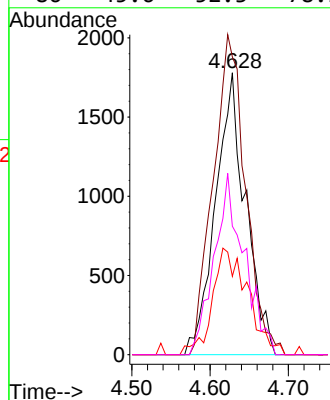
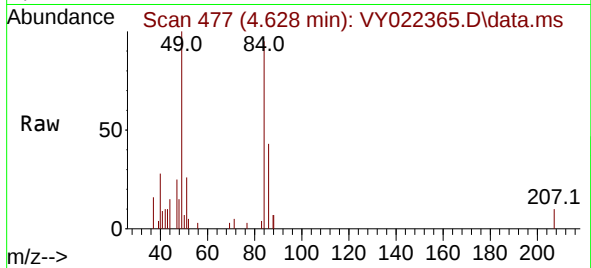




#20
Methylene Chloride
Concen: 1.422 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

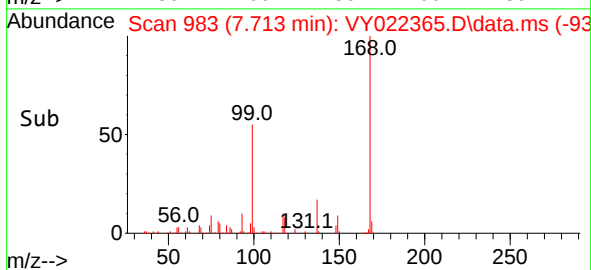
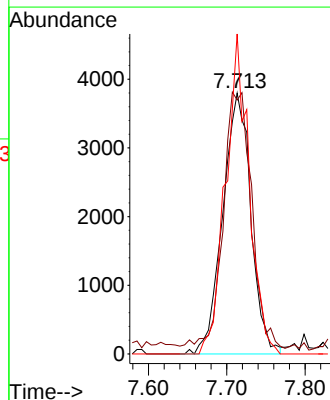
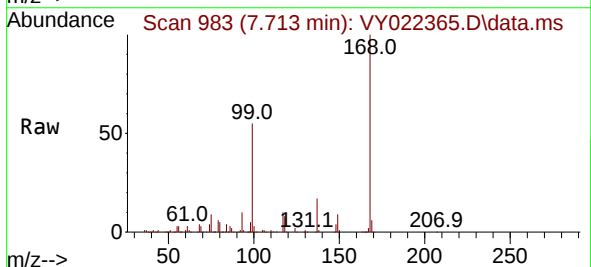
Instrument :
MSVOA_Y
ClientSampleId :
RT3419

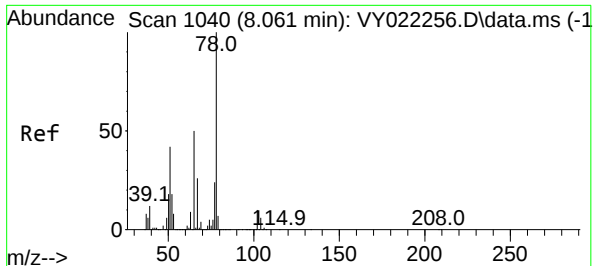
Tgt Ion:	84	Resp:	4767
Ion	Ratio	Lower	Upper
84	100		
49	105.6	109.6	164.4#
51	27.8	32.4	48.6#
86	45.6	52.3	78.5#



#31
Cyclohexane
Concen: 1.692 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

Tgt Ion:	56	Resp:	9473
Ion	Ratio	Lower	Upper
56	100		
69	94.3	27.4	41.2#
84	122.7	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 44.906 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY022365.D

Acq: 21 May 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

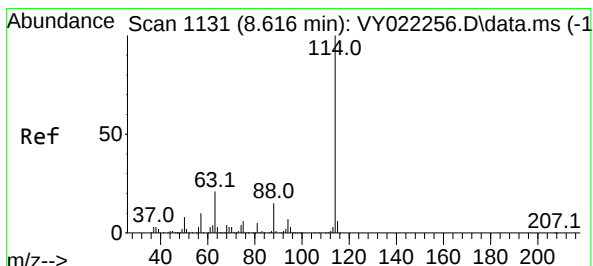
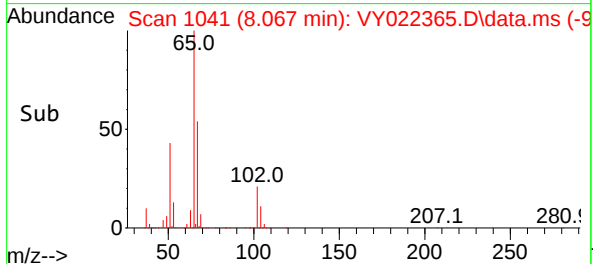
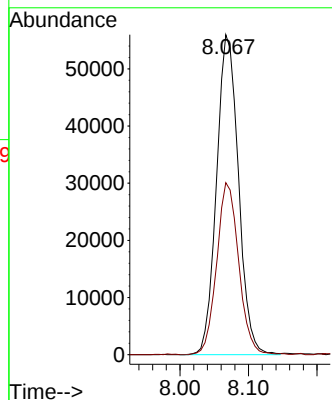
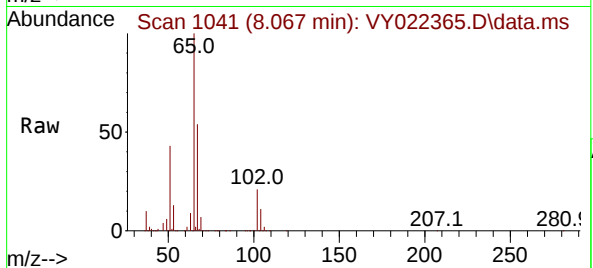
RT3419

Tgt Ion: 65 Resp: 124252

Ion Ratio Lower Upper

65 100

67 54.0 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: VY022365.D

Acq: 21 May 2025 14:21

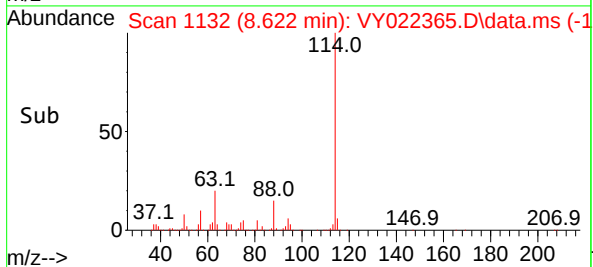
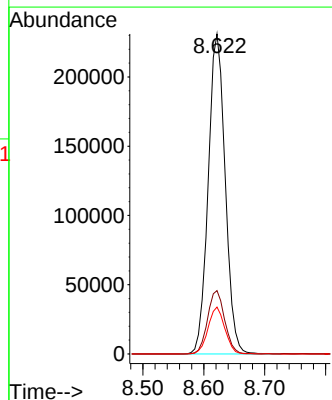
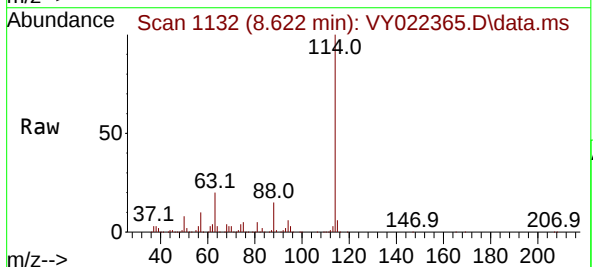
Tgt Ion: 114 Resp: 447571

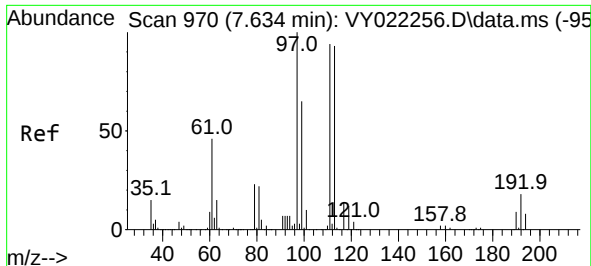
Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

88 14.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 48.580 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY022365.D

Acq: 21 May 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

RT3419

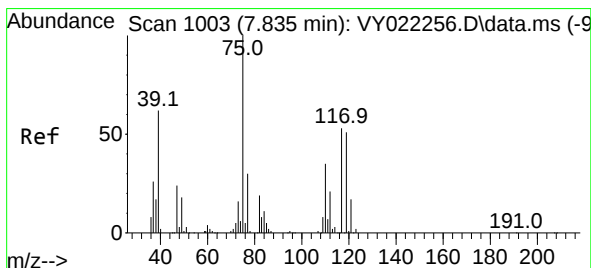
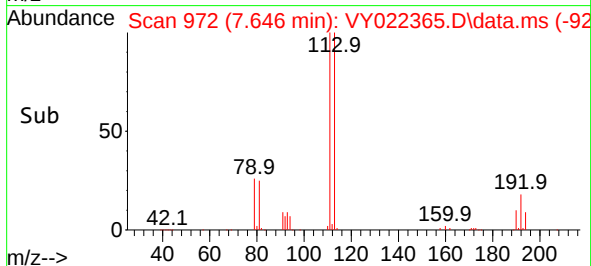
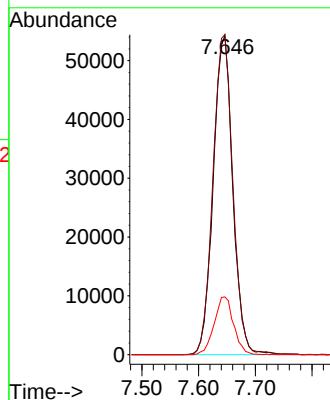
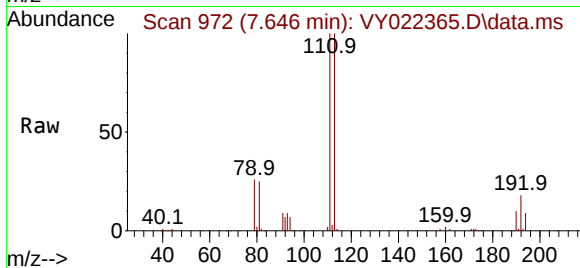
Tgt Ion:113 Resp: 129776

Ion Ratio Lower Upper

113 100

111 102.2 82.6 123.8

192 17.9 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.936 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY022365.D

Acq: 21 May 2025 14:21

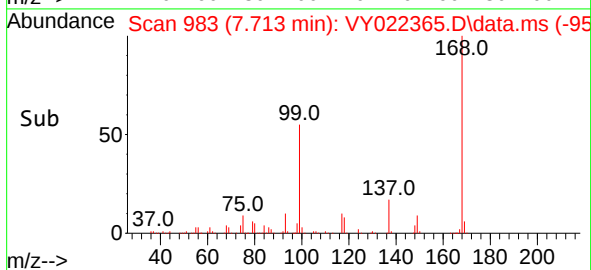
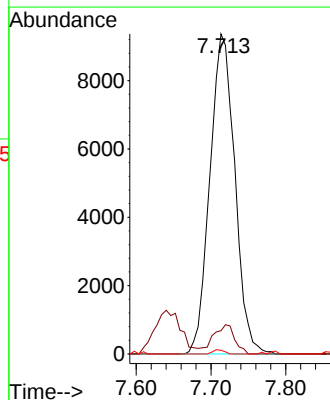
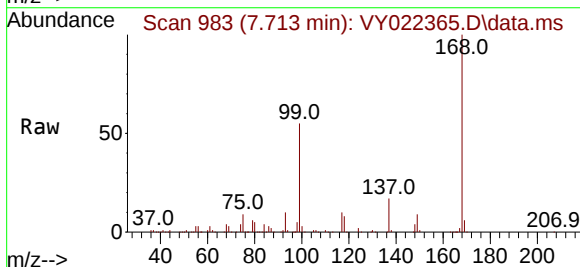
Tgt Ion: 75 Resp: 21720

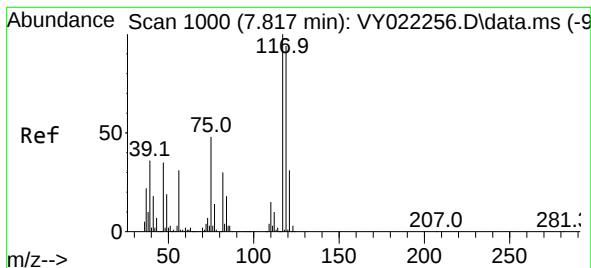
Ion Ratio Lower Upper

75 100

110 7.9 16.6 49.8#

77 0.6 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.497 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.098 min

Lab File: VY022365.D

Acq: 21 May 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

RT3419

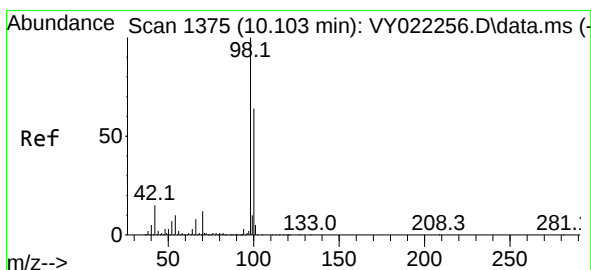
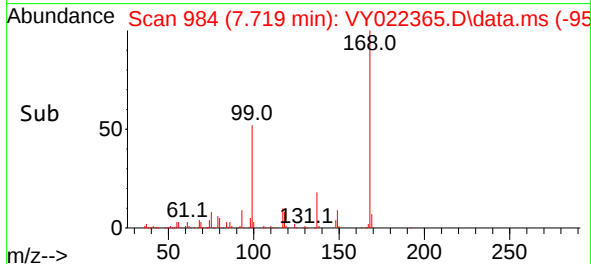
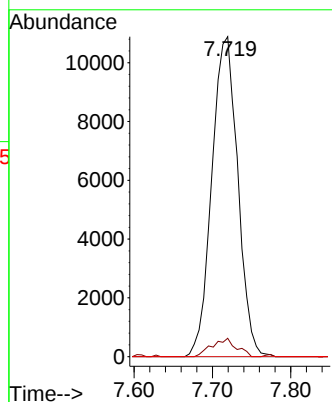
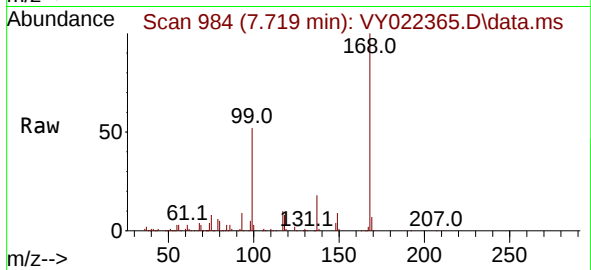
Tgt Ion:117 Resp: 25035

Ion Ratio Lower Upper

117 100

119 5.8 75.3 112.9#

121 0.0 24.7 37.1#



#50

Toluene-d8

Concen: 45.896 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022365.D

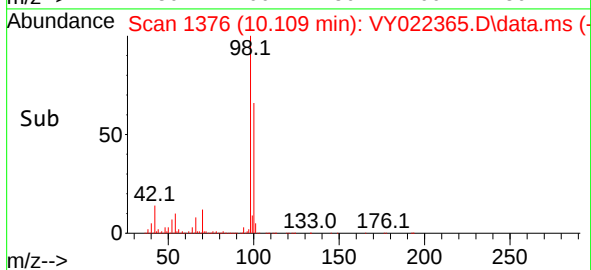
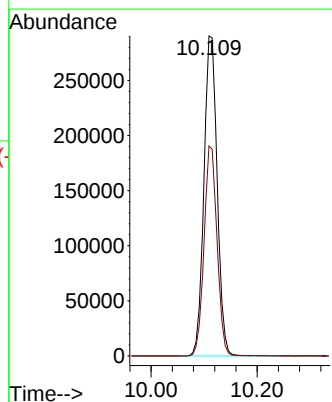
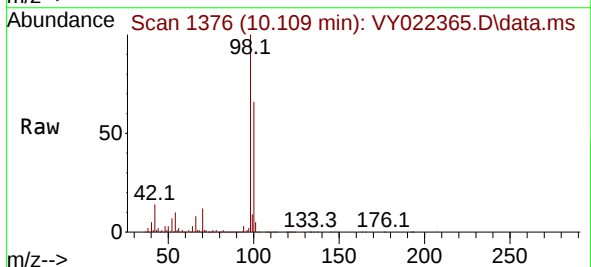
Acq: 21 May 2025 14:21

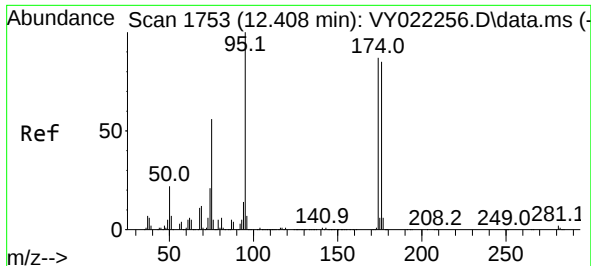
Tgt Ion: 98 Resp: 502133

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.8

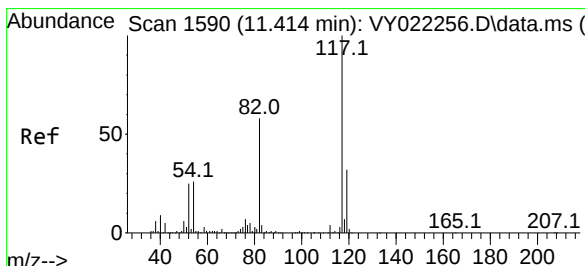
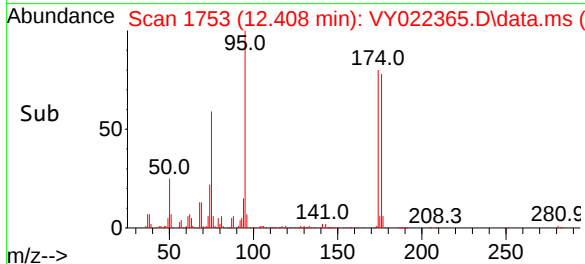
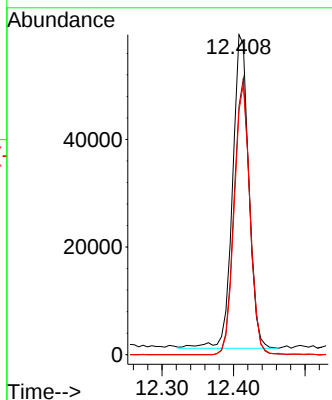
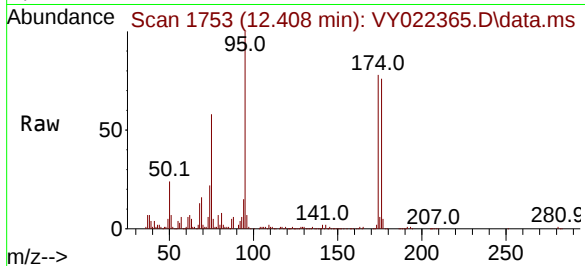




#62
4-Bromofluorobenzene
Concen: 26.478 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

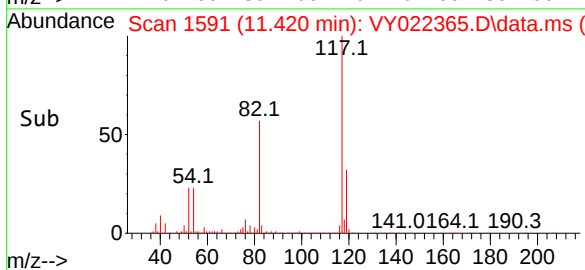
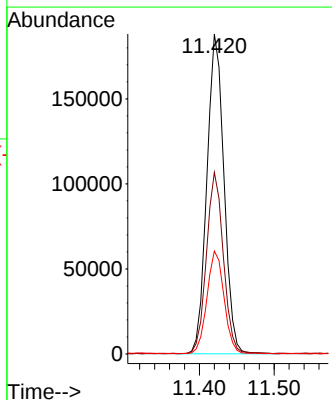
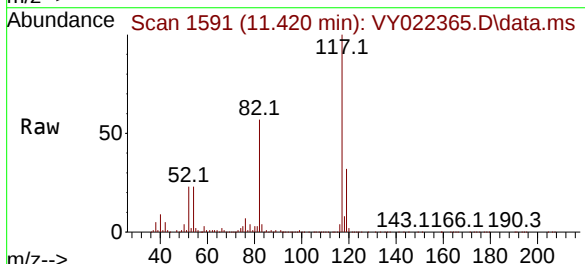
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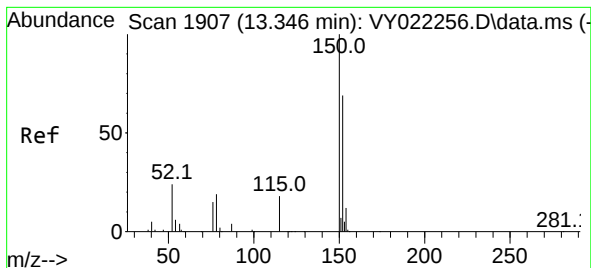
Tgt Ion:	95	Resp:	91820
Ion Ratio	Lower	Upper	
95	100		
174	85.9	0.0	166.8
176	83.4	0.0	160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

Tgt Ion:	117	Resp:	299153
Ion Ratio	Lower	Upper	
117	100		
82	56.6	46.6	70.0
119	32.1	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY022365.D

Acq: 21 May 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

RT3419

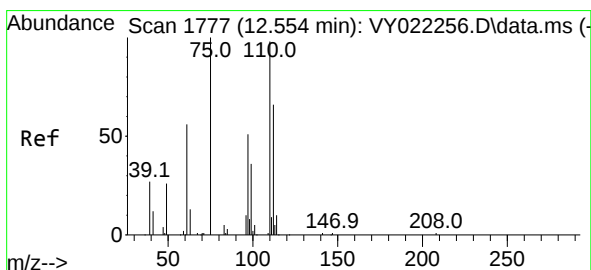
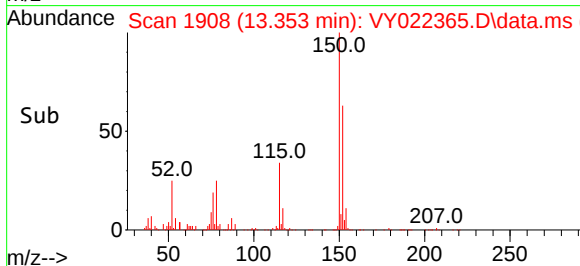
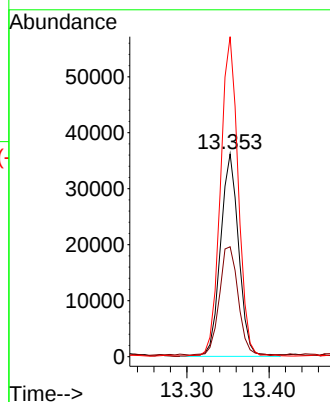
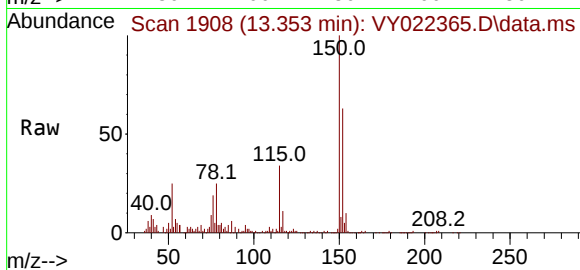
Tgt Ion:152 Resp: 55622

Ion Ratio Lower Upper

152 100

115 56.2 29.4 88.2

150 153.4 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 92.424 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022365.D

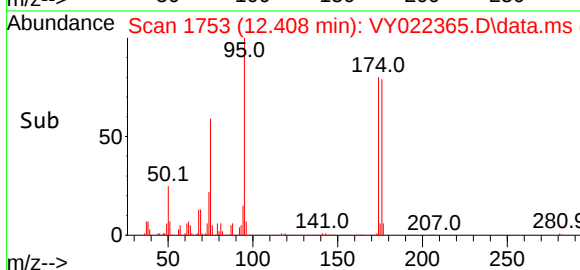
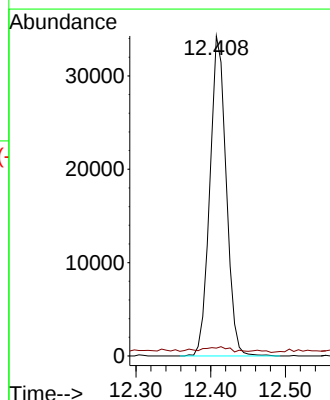
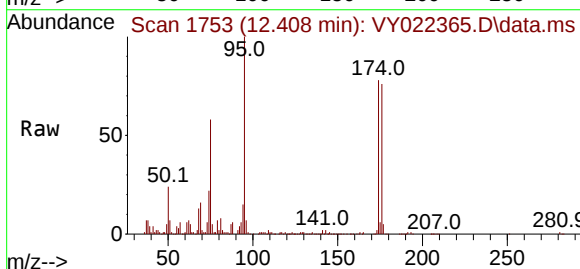
Acq: 21 May 2025 14:21

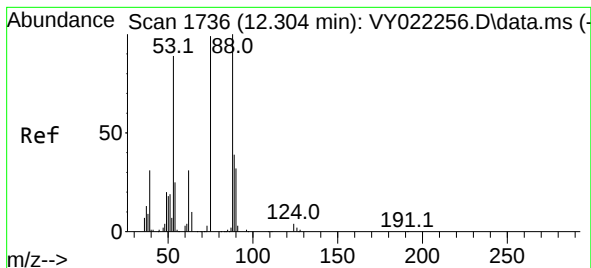
Tgt Ion: 75 Resp: 52082

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

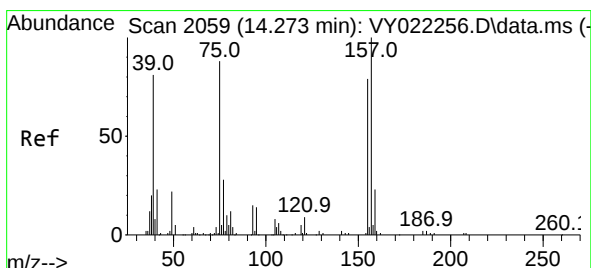
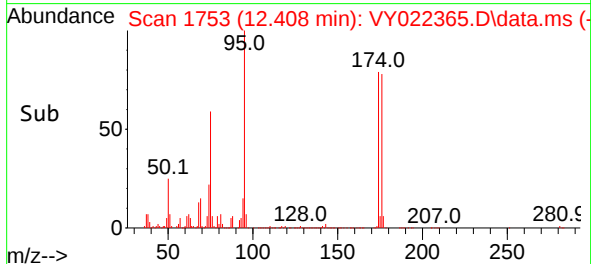
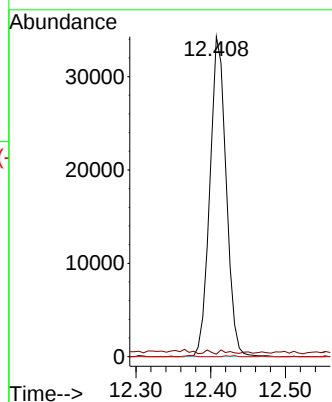
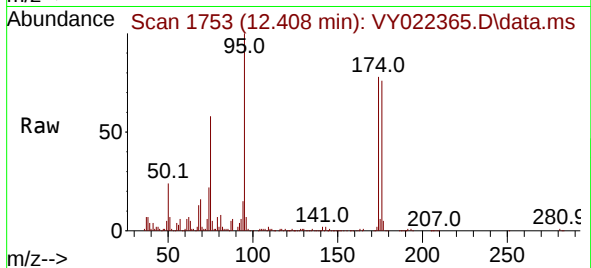




#81
trans-1,4-Dichloro-2-butene
Concen: 187.228 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

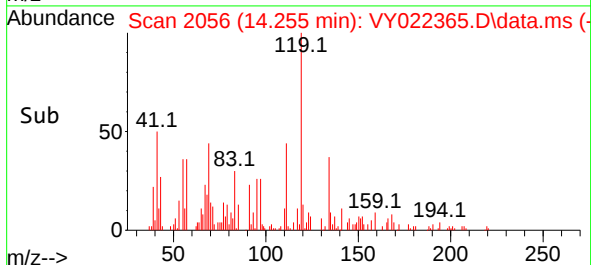
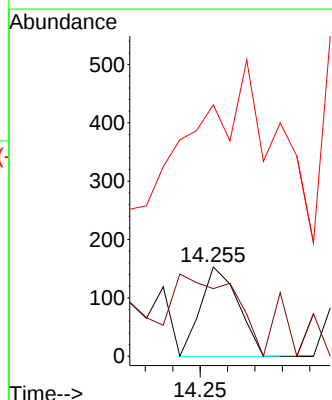
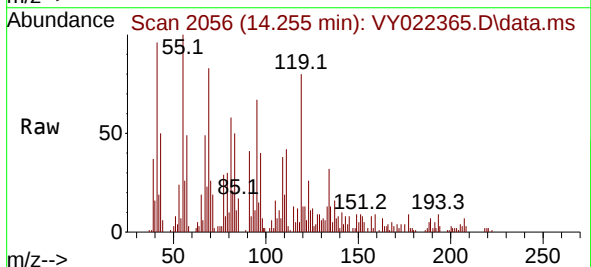
Instrument :
MSVOA_Y
ClientSampleId :
RT3419

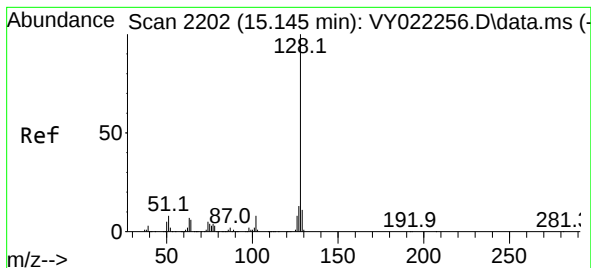
Tgt Ion: 75 Resp: 52082
Ion Ratio Lower Upper
75 100
53 0.8 75.8 113.8#
89 0.0 36.2 54.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.278 ug/l
RT: 14.255 min Scan# 2056
Delta R.T. -0.018 min
Lab File: VY022365.D
Acq: 21 May 2025 14:21

Tgt Ion: 75 Resp: 146
Ion Ratio Lower Upper
75 100
155 0.0 43.4 130.1#
157 0.0 54.6 163.9#





#95

Naphthalene

Concen: 1.283 ug/l

RT: 15.151 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY022365.D

Acq: 21 May 2025 14:21

Instrument :

MSVOA_Y

ClientSampleId :

RT3419

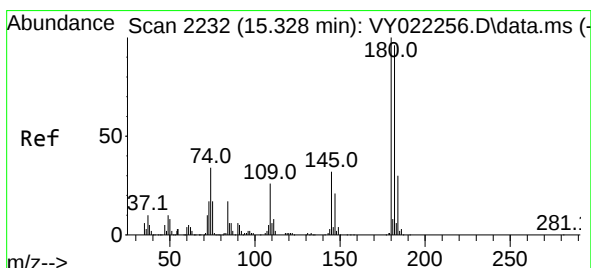
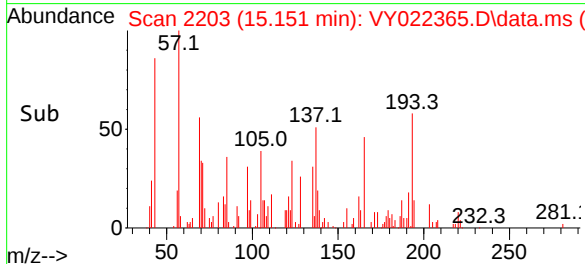
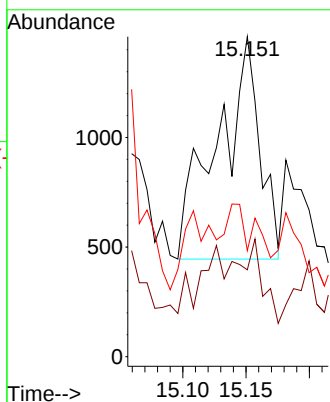
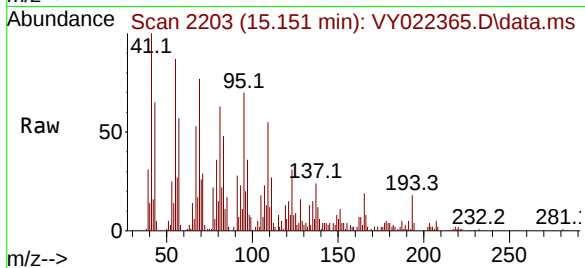
Tgt Ion:128 Resp: 2373

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 14.1 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 1.642 ug/l

RT: 15.309 min Scan# 2229

Delta R.T. -0.018 min

Lab File: VY022365.D

Acq: 21 May 2025 14:21

Tgt Ion:180 Resp: 1358

Ion Ratio Lower Upper

180 100

182 32.0 47.1 141.3#

145 260.8 15.9 47.6#

