

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022368.D
 Acq On : 21 May 2025 15:31
 Operator : SY/MD
 Sample : Q2097-17
 Misc : 4.76g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-3888

Quant Time: May 22 00:11:39 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)

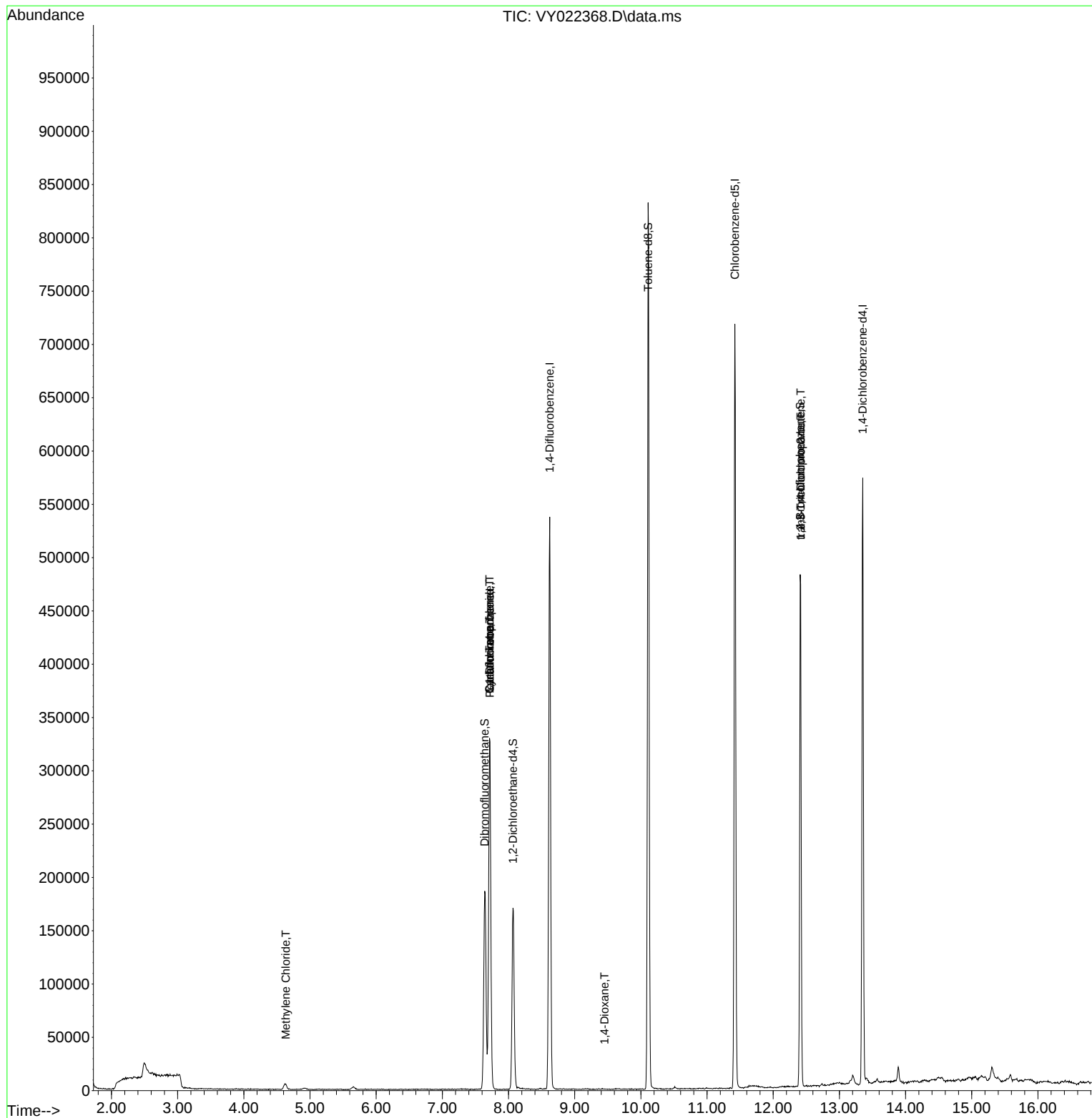
Internal Standards						
1) Pentafluorobenzene	7.719	168	252510	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	444602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	355107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	132515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	129685	46.992	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.980%
35) Dibromofluoromethane	7.640	113	131082	49.397	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.800%
50) Toluene-d8	10.109	98	527070	48.497	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.000%
62) 4-Bromofluorobenzene	12.407	95	133361	38.713	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.420%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.634	84	3763	1.125	ug/l #	80
31) Cyclohexane	7.713	56	6383	1.143	ug/l #	7
36) 1,1-Dichloropropene	7.713	75	21455	4.909	ug/l #	51
38) Carbon Tetrachloride	7.713	117	25796	5.702	ug/l #	16
49) 1,4-Dioxane	9.451	88	54	2.837	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	77805	57.955	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	77805	117.401	ug/l #	12

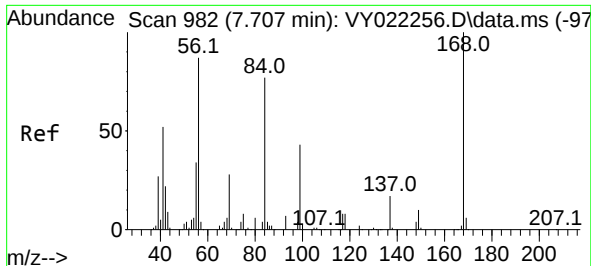
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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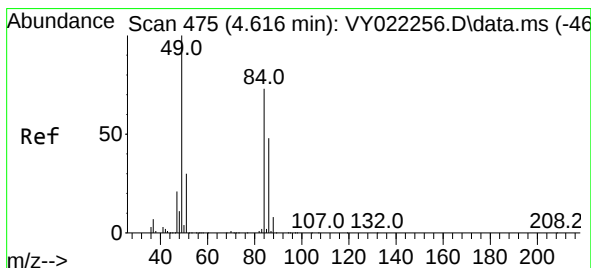
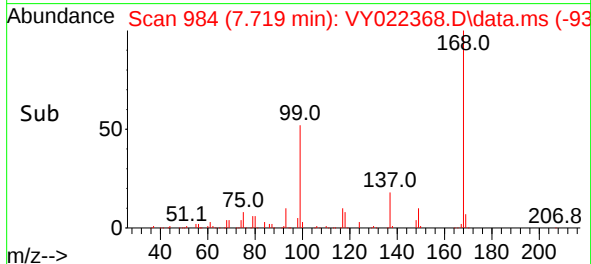
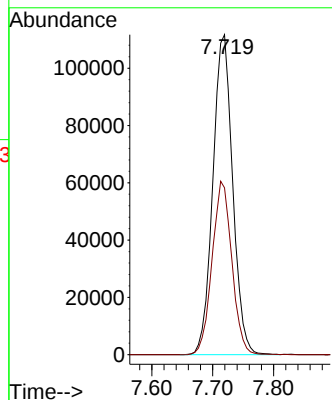
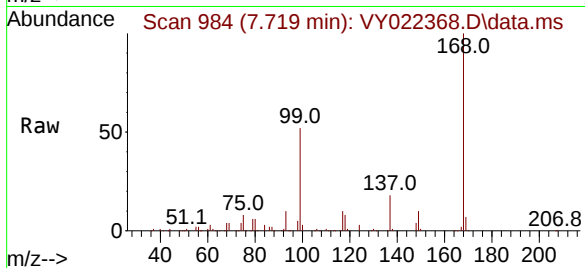




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022368.D
Acq: 21 May 2025 15:31

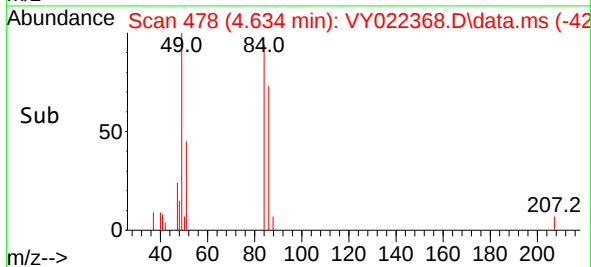
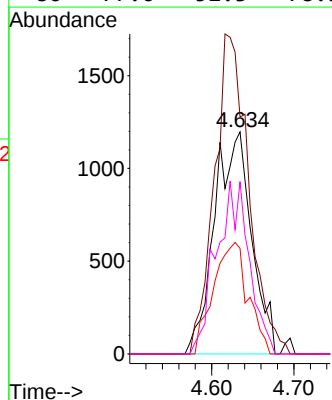
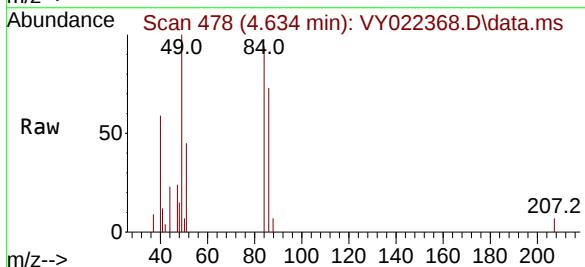
Instrument :
MSVOA_Y
ClientSampleId :
RT-3888

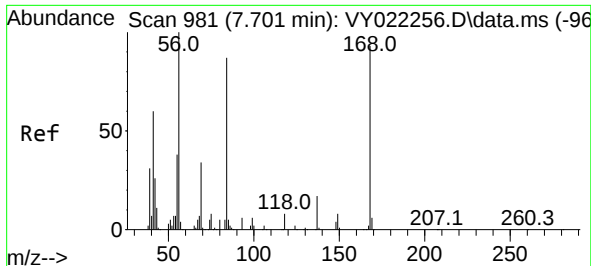
Tgt Ion:168 Resp: 252510
Ion Ratio Lower Upper
168 100
99 52.1 44.2 66.4



#20
Methylene Chloride
Concen: 1.125 ug/l
RT: 4.634 min Scan# 478
Delta R.T. 0.018 min
Lab File: VY022368.D
Acq: 21 May 2025 15:31

Tgt Ion: 84 Resp: 3763
Ion Ratio Lower Upper
84 100
49 106.7 109.6 164.4#
51 47.5 32.4 48.6
86 77.6 52.3 78.5

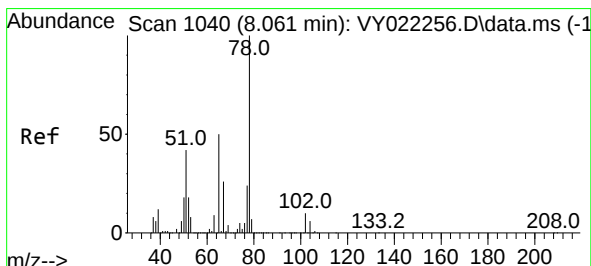
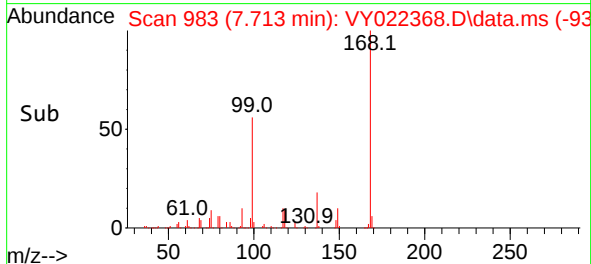
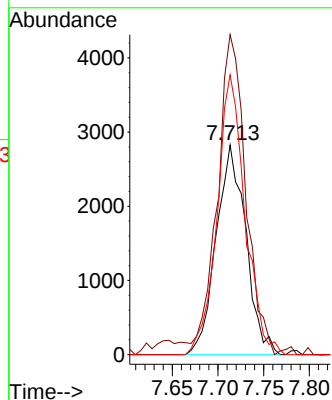
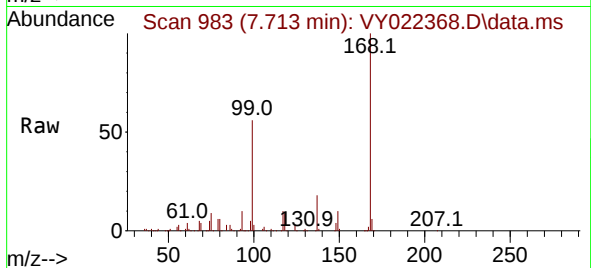




#31
Cyclohexane
Concen: 1.143 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY022368.D
Acq: 21 May 2025 15:31

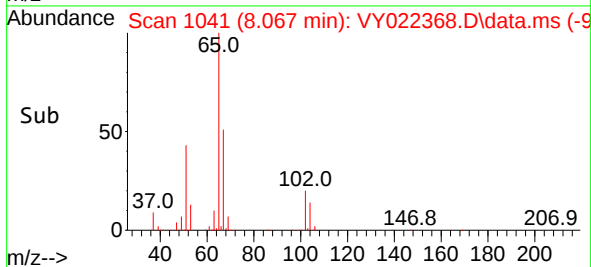
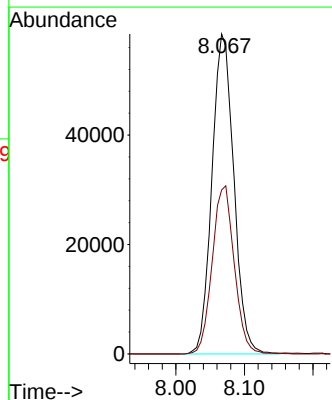
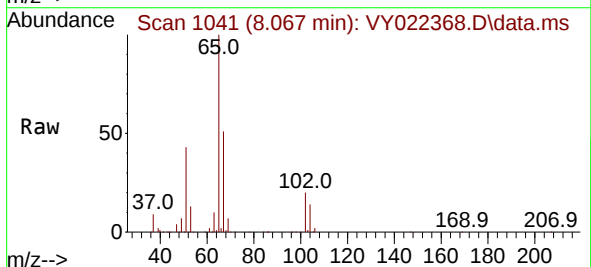
Instrument :
MSVOA_Y
ClientSampleId :
RT-3888

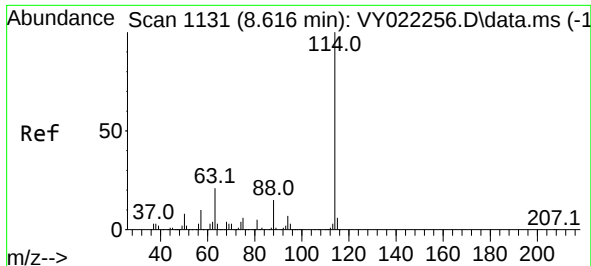
Tgt Ion: 56 Resp: 6383
Ion Ratio Lower Upper
56 100
69 150.7 27.4 41.2#
84 133.4 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.992 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022368.D
Acq: 21 May 2025 15:31

Tgt Ion: 65 Resp: 129685
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: VY022368.D

Acq: 21 May 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

RT-3888

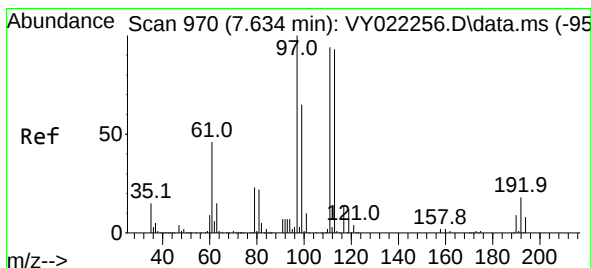
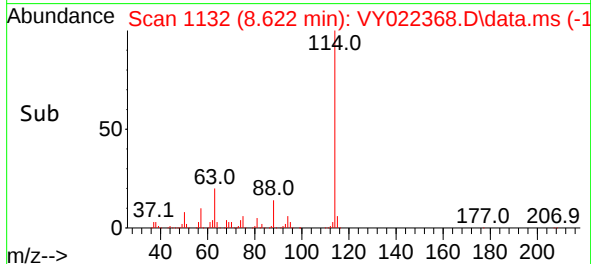
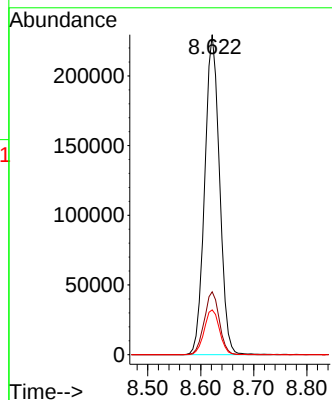
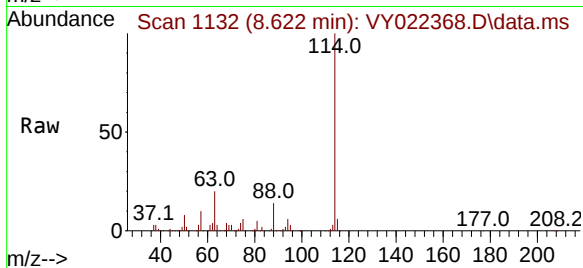
Tgt Ion:114 Resp: 444602

Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

88 14.0 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.397 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY022368.D

Acq: 21 May 2025 15:31

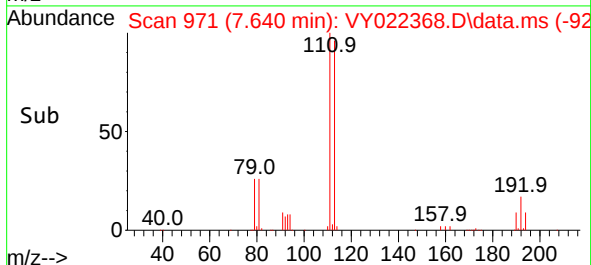
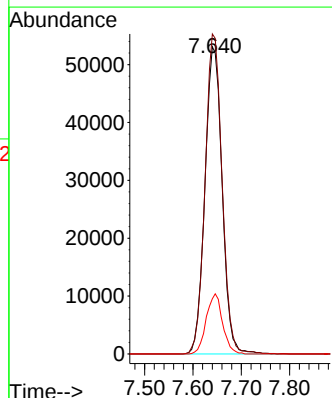
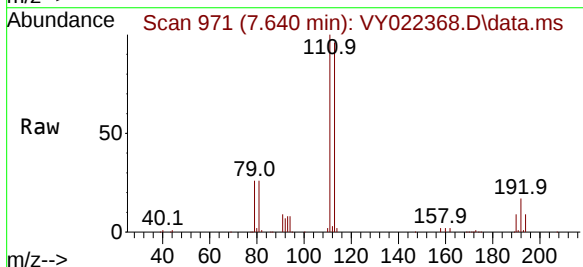
Tgt Ion:113 Resp: 131082

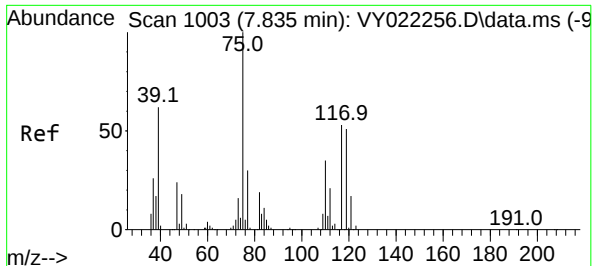
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 18.6 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.909 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY022368.D

Acq: 21 May 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

RT-3888

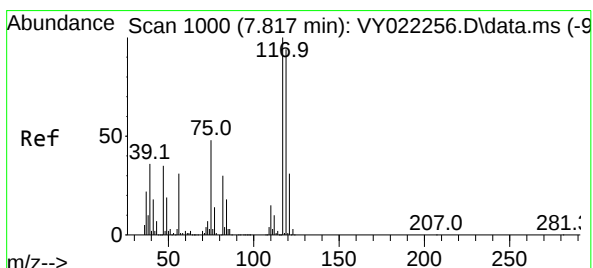
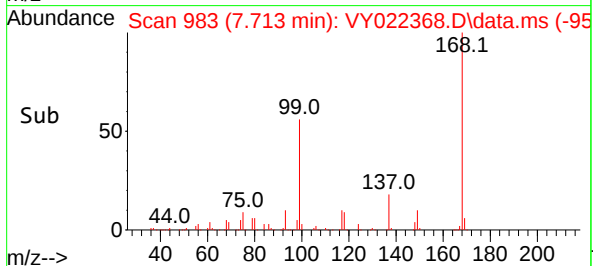
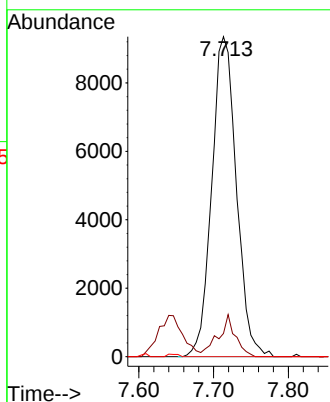
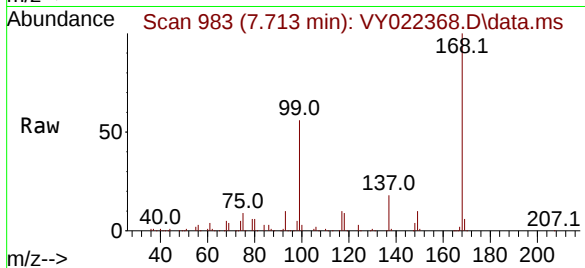
Tgt Ion: 75 Resp: 21455

Ion Ratio Lower Upper

75 100

110 9.1 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.702 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY022368.D

Acq: 21 May 2025 15:31

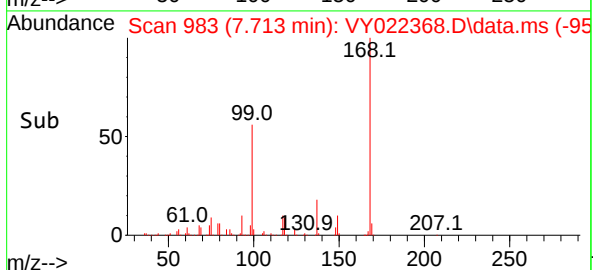
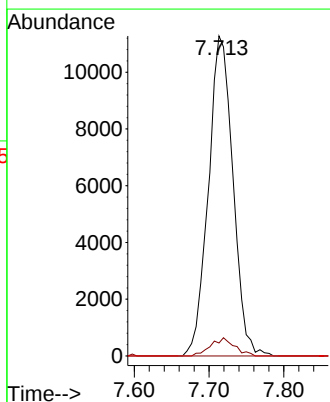
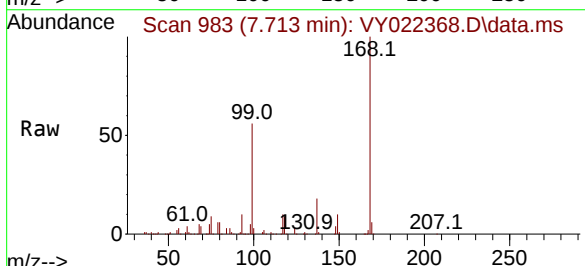
Tgt Ion: 117 Resp: 25796

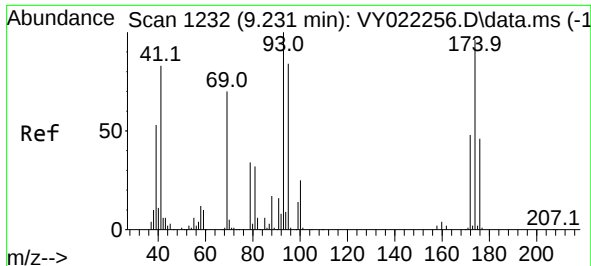
Ion Ratio Lower Upper

117 100

119 4.1 75.3 112.9#

121 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 2.837 ug/l

RT: 9.451 min Scan# 11

Delta R.T. 0.219 min

Lab File: VY022368.D

Acq: 21 May 2025 15:31

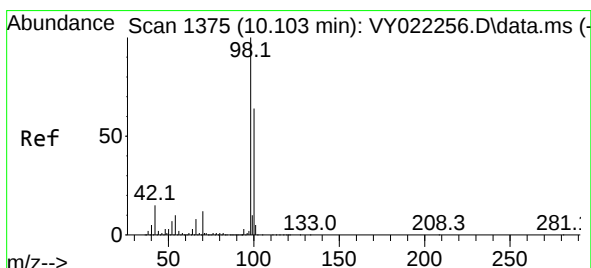
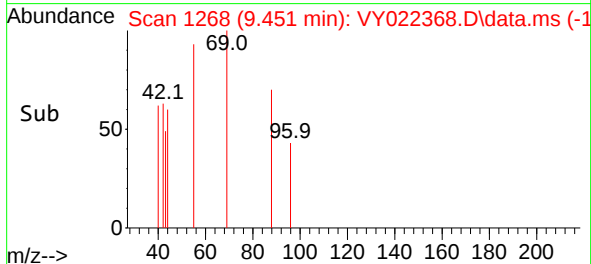
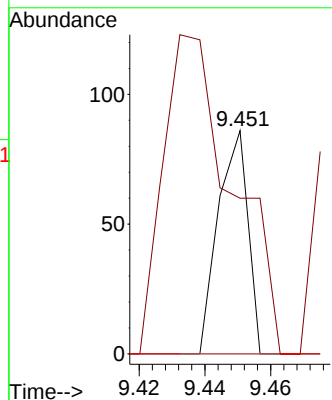
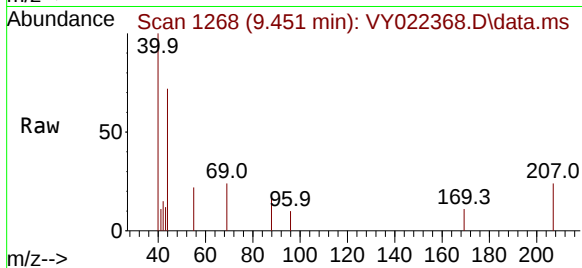
Instrument :

MSVOA_Y

ClientSampleId :

RT-3888

Tgt Ion:	88	Resp:	54
Ion	Ratio	Lower	Upper
88	100		
43	333.3	28.5	42.7#
58	0.0	61.4	92.2#



#50

Toluene-d8

Concen: 48.497 ug/l

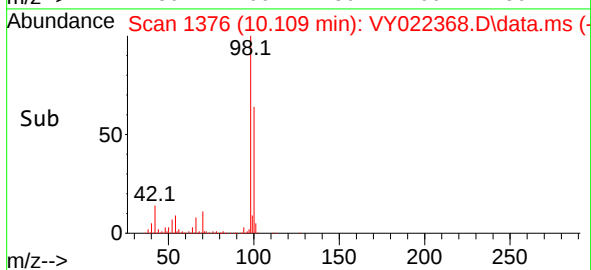
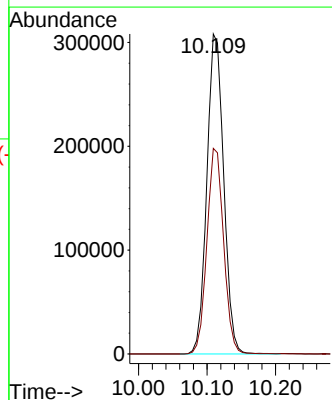
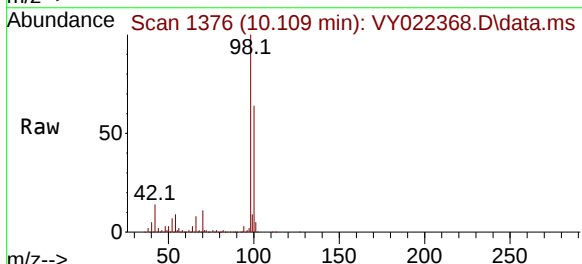
RT: 10.109 min Scan# 1376

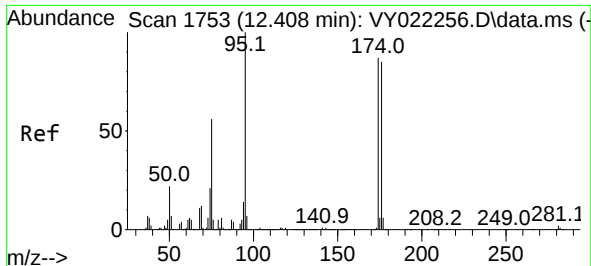
Delta R.T. 0.006 min

Lab File: VY022368.D

Acq: 21 May 2025 15:31

Tgt Ion:	98	Resp:	527070
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.8	77.8

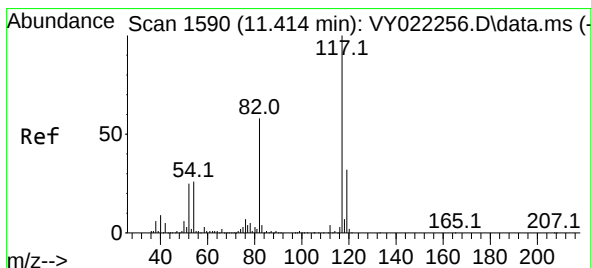
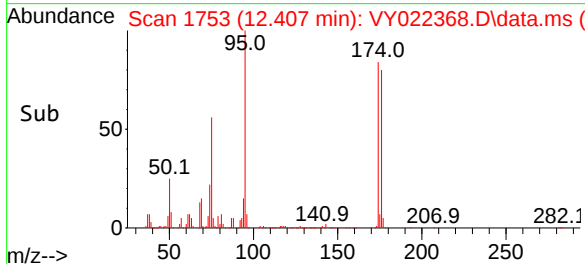
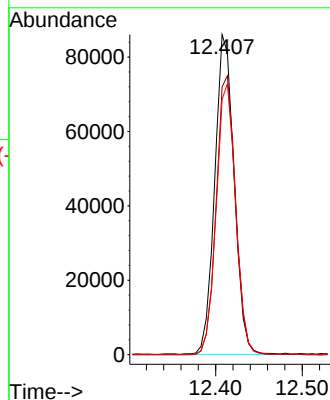
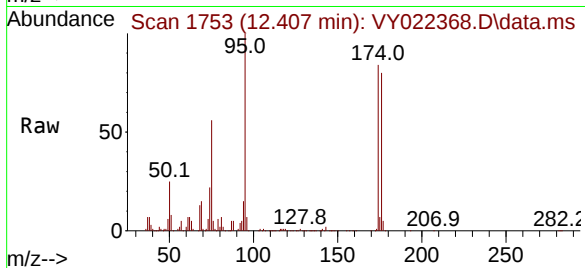




#62
4-Bromofluorobenzene
Concen: 38.713 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022368.D
Acq: 21 May 2025 15:31

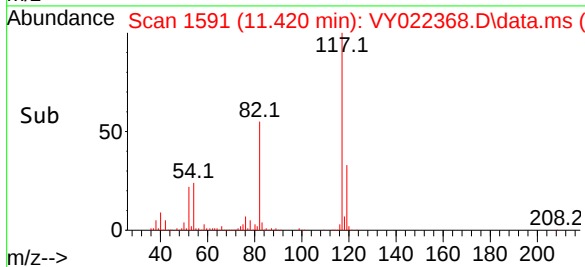
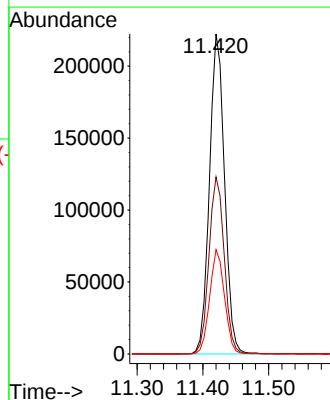
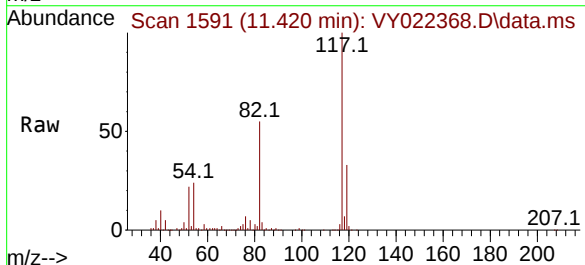
Instrument :
MSVOA_Y
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RT-3888

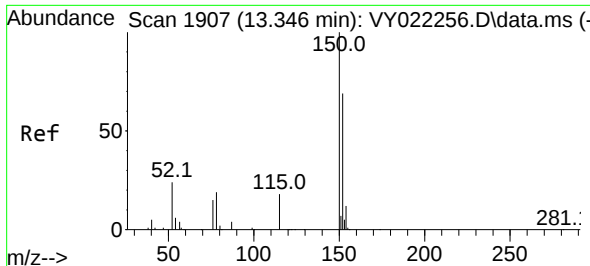
Tgt Ion: 95 Resp: 133361
Ion Ratio Lower Upper
95 100
174 87.4 0.0 166.8
176 84.9 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022368.D
Acq: 21 May 2025 15:31

Tgt Ion: 117 Resp: 355107
Ion Ratio Lower Upper
117 100
82 55.3 46.6 70.0
119 32.6 25.8 38.6

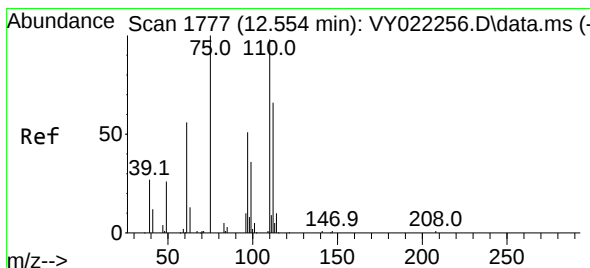
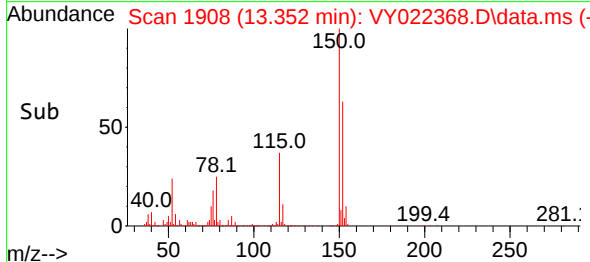
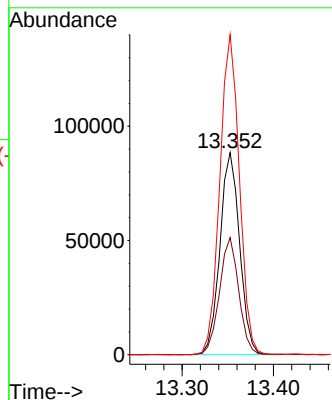
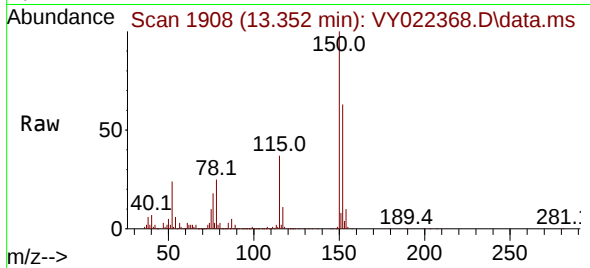




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY022368.D
 Acq: 21 May 2025 15:31

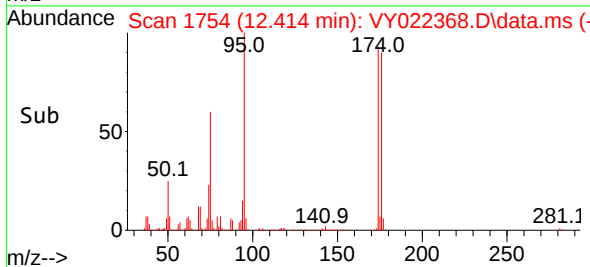
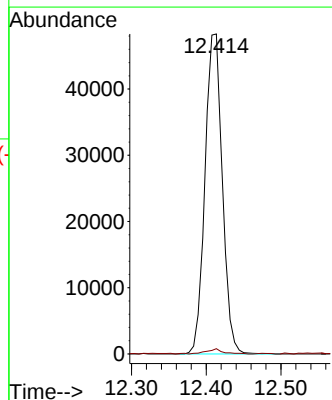
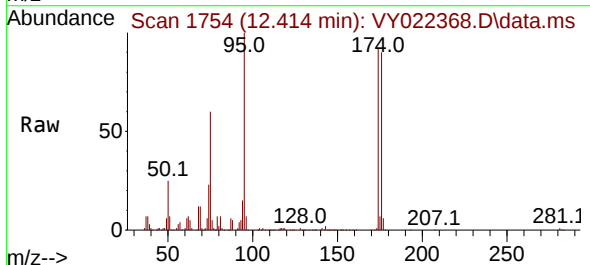
Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-3888

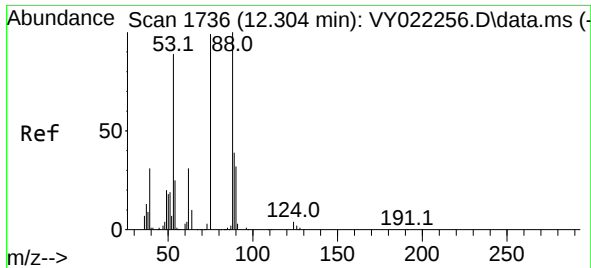
Tgt Ion:152 Resp: 132515
 Ion Ratio Lower Upper
 152 100
 115 56.9 29.4 88.2
 150 157.4 0.0 353.8



#76
 1,2,3-Trichloropropane
 Concen: 57.955 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.140 min
 Lab File: VY022368.D
 Acq: 21 May 2025 15:31

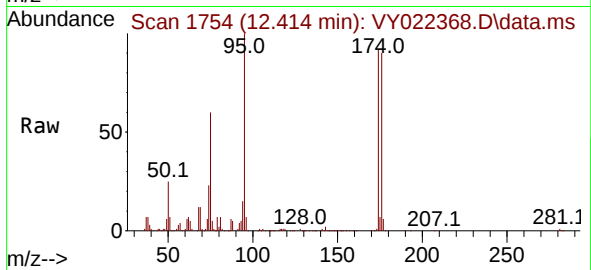
Tgt Ion: 75 Resp: 77805
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.401 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022368.D
 Acq: 21 May 2025 15:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-3888



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

