

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022386.D
 Acq On : 22 May 2025 11:25
 Operator : SY/MD
 Sample : Q2097-11RE
 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)

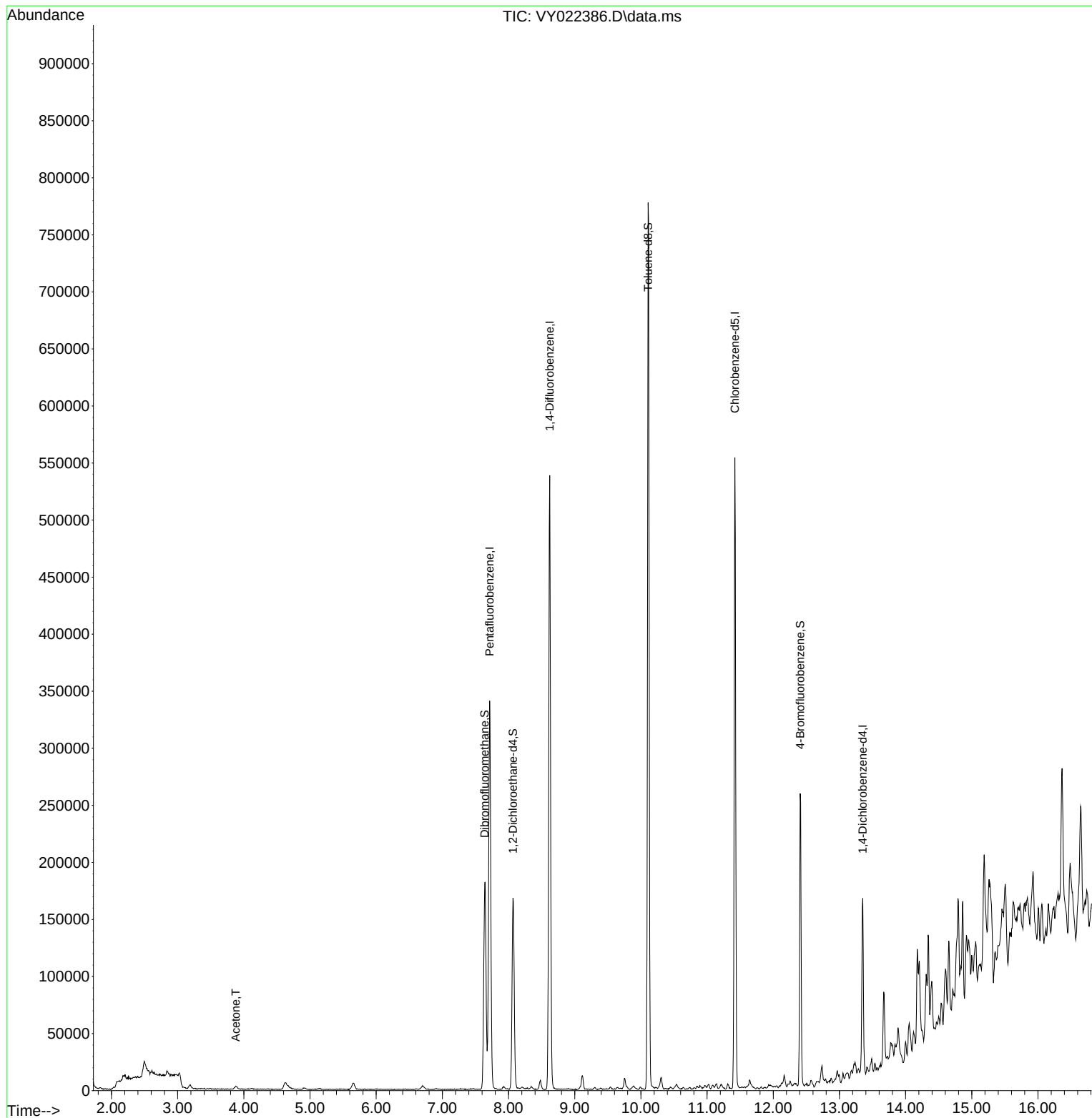
Internal Standards						
1) Pentafluorobenzene	7.713	168	250584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	440067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	273390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	37741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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						
16) Acetone	3.879	43	4981	9.700	ug/l	Qvalue 94

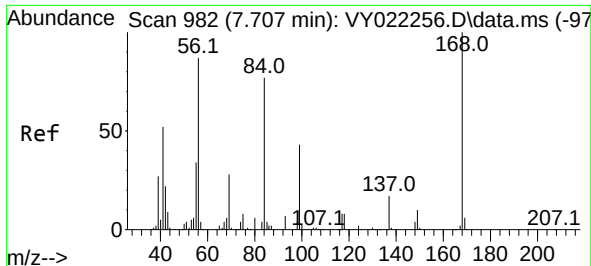
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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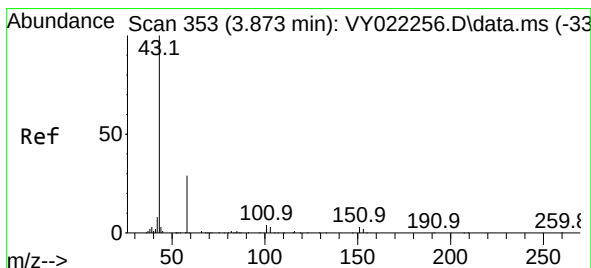
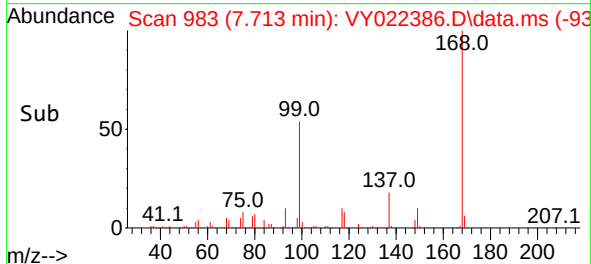
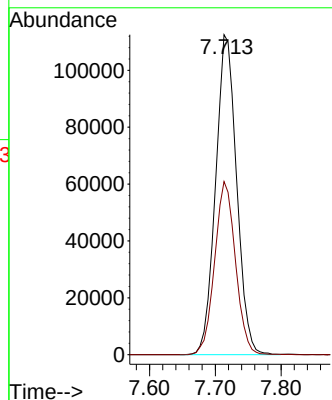
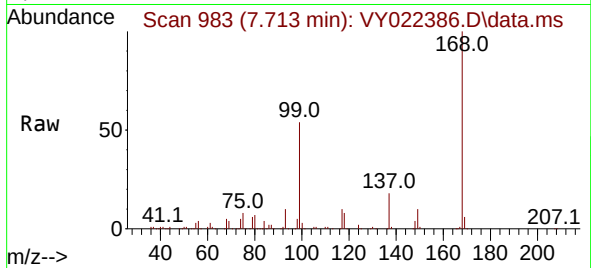




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

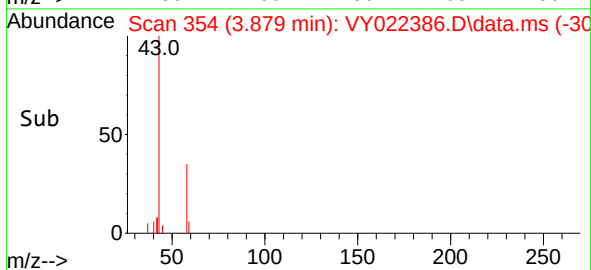
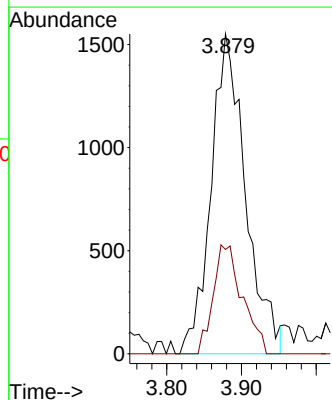
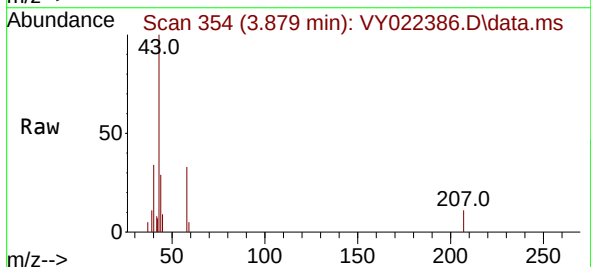
Instrument :
MSVOA_Y
ClientSampleId :
RT3419RE

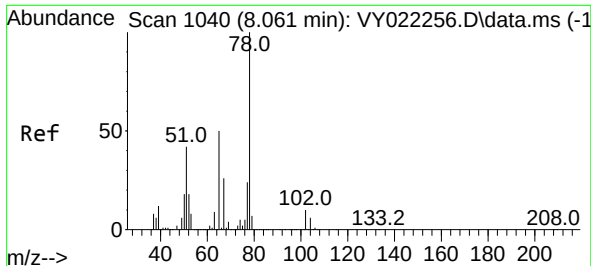
Tgt Ion:168 Resp: 250584
Ion Ratio Lower Upper
168 100
99 54.1 44.2 66.4



#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





#33

1,2-Dichloroethane-d4

Concen: 46.275 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY022386.D

Acq: 22 May 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

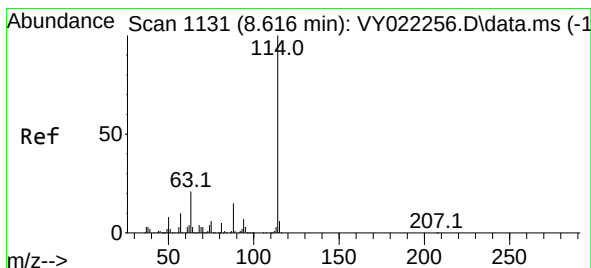
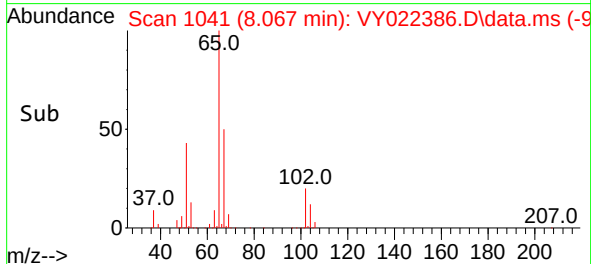
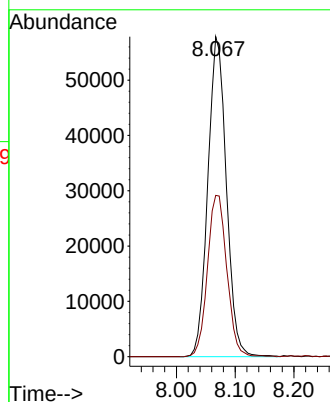
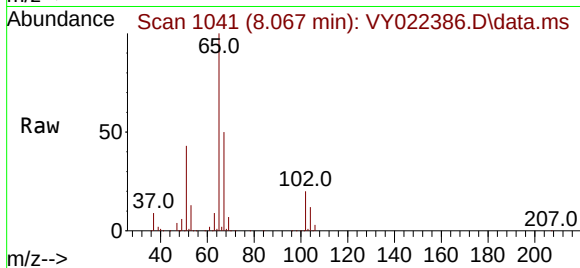
RT3419RE

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

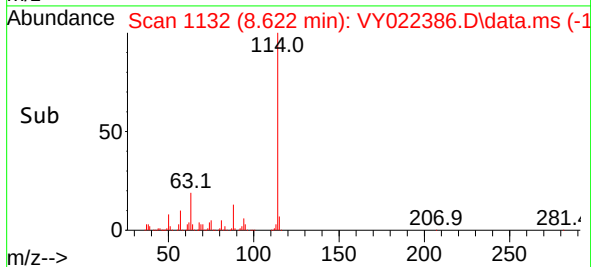
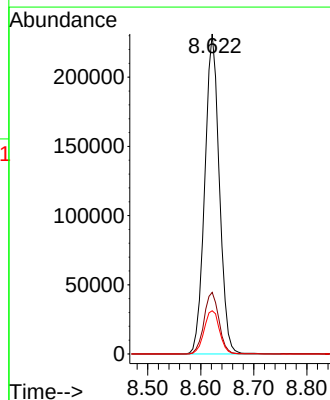
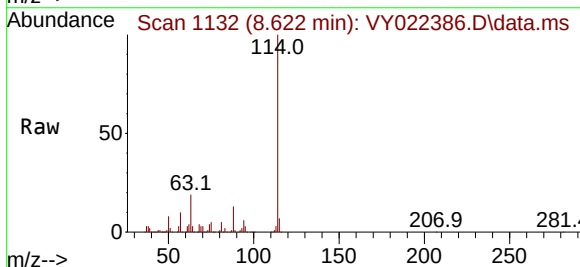
Tgt Ion: 114 Resp: 440067

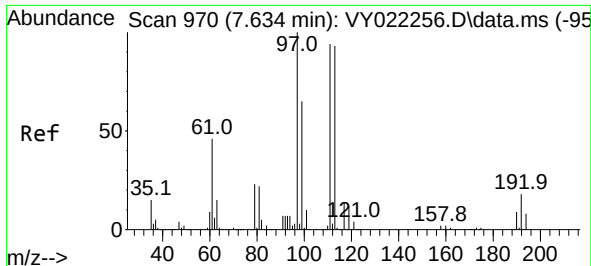
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.0

88 13.5 0.0 29.4

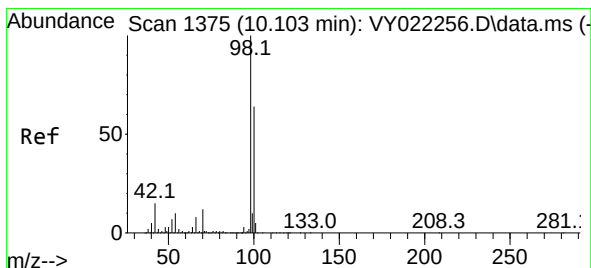
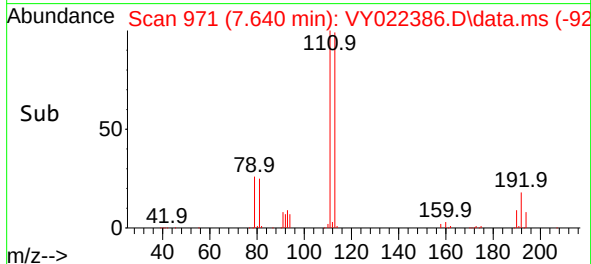
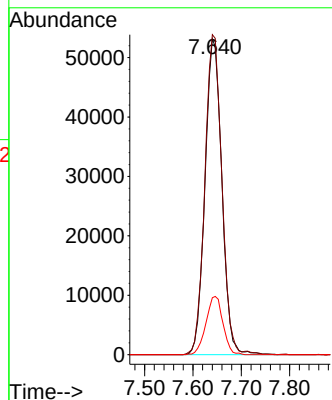
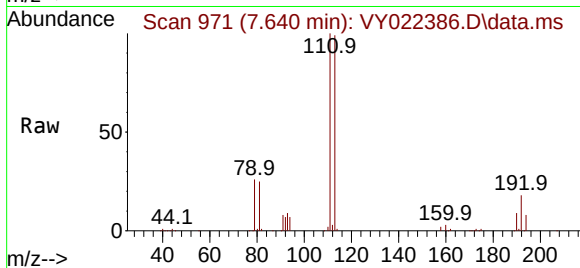




#35
Dibromofluoromethane
Concen: 48.940 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

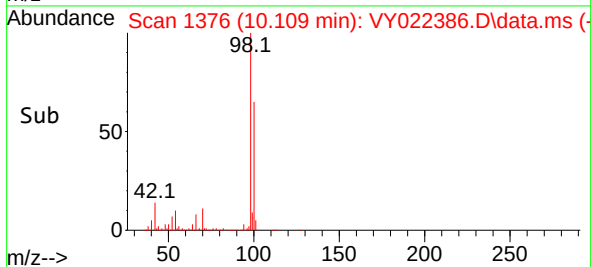
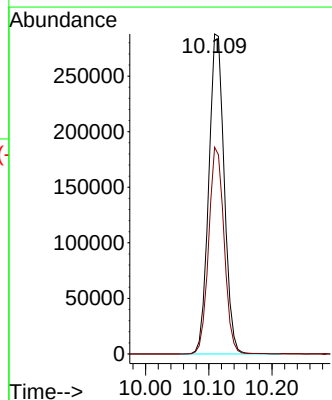
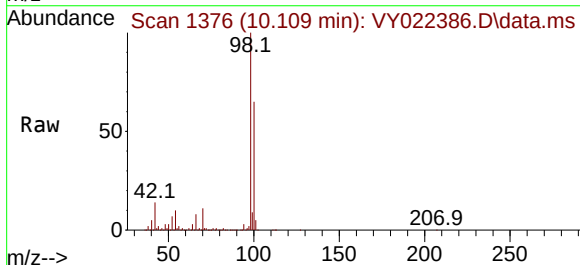
Instrument :
MSVOA_Y
ClientSampleId :
RT3419RE

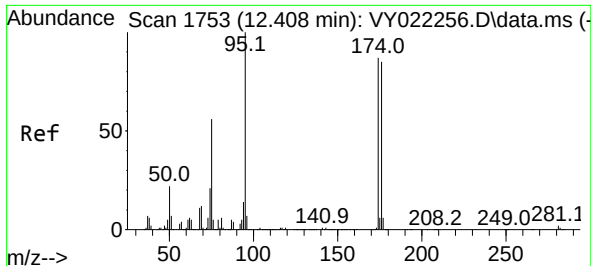
Tgt Ion:113 Resp: 128545
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 18.6 15.2 22.8



#50
Toluene-d8
Concen: 45.518 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

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

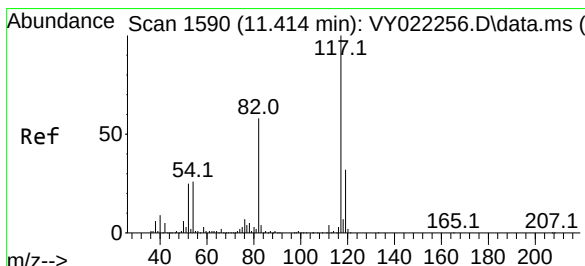
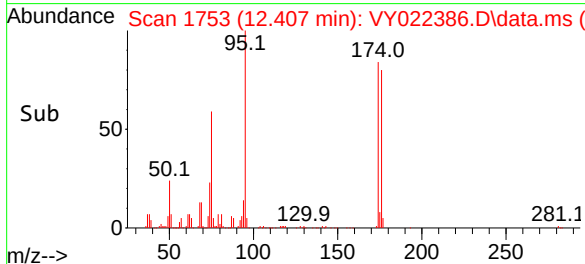
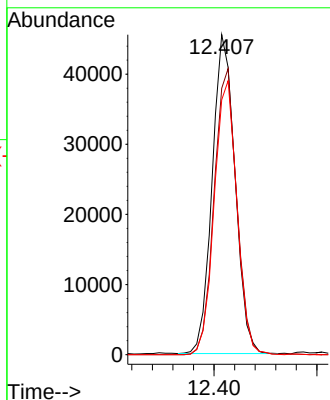
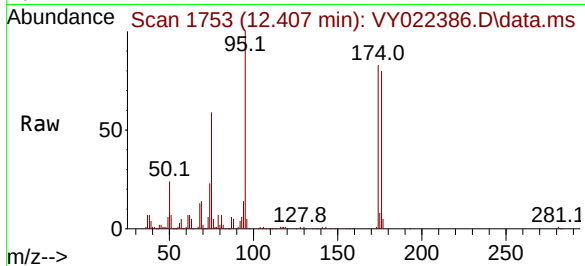




#62
4-Bromofluorobenzene
Concen: 20.482 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

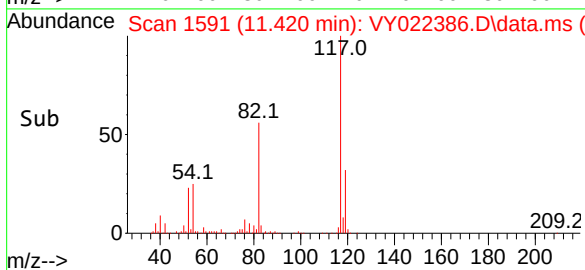
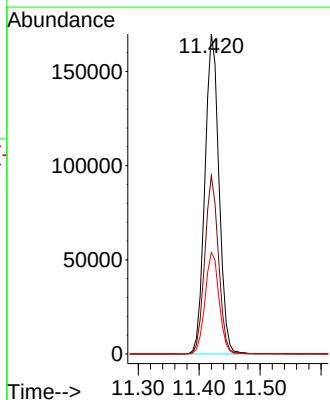
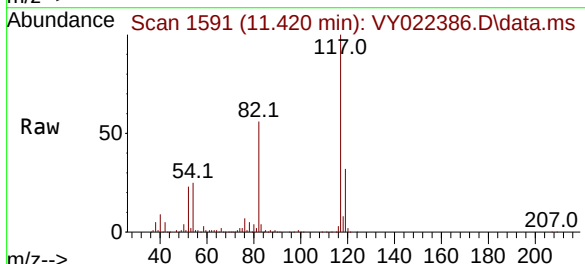
Instrument :
MSVOA_Y
ClientSampleId :
RT3419RE

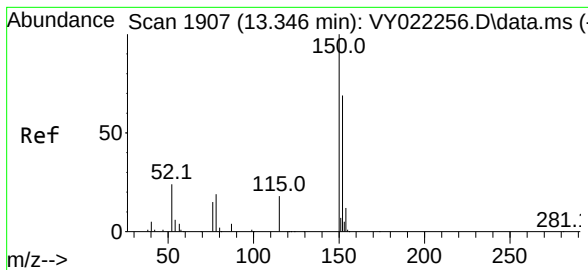
Tgt Ion:	95	Resp:	69838
Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	166.8
176	85.6	0.0	160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022386.D
Acq: 22 May 2025 11:25

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

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3419RE

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

