

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023462.D
 Acq On : 14 Oct 2025 15:15
 Operator : SY/MD
 Sample : Q3341-03
 Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-3

Quant Time: Oct 15 03:29:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

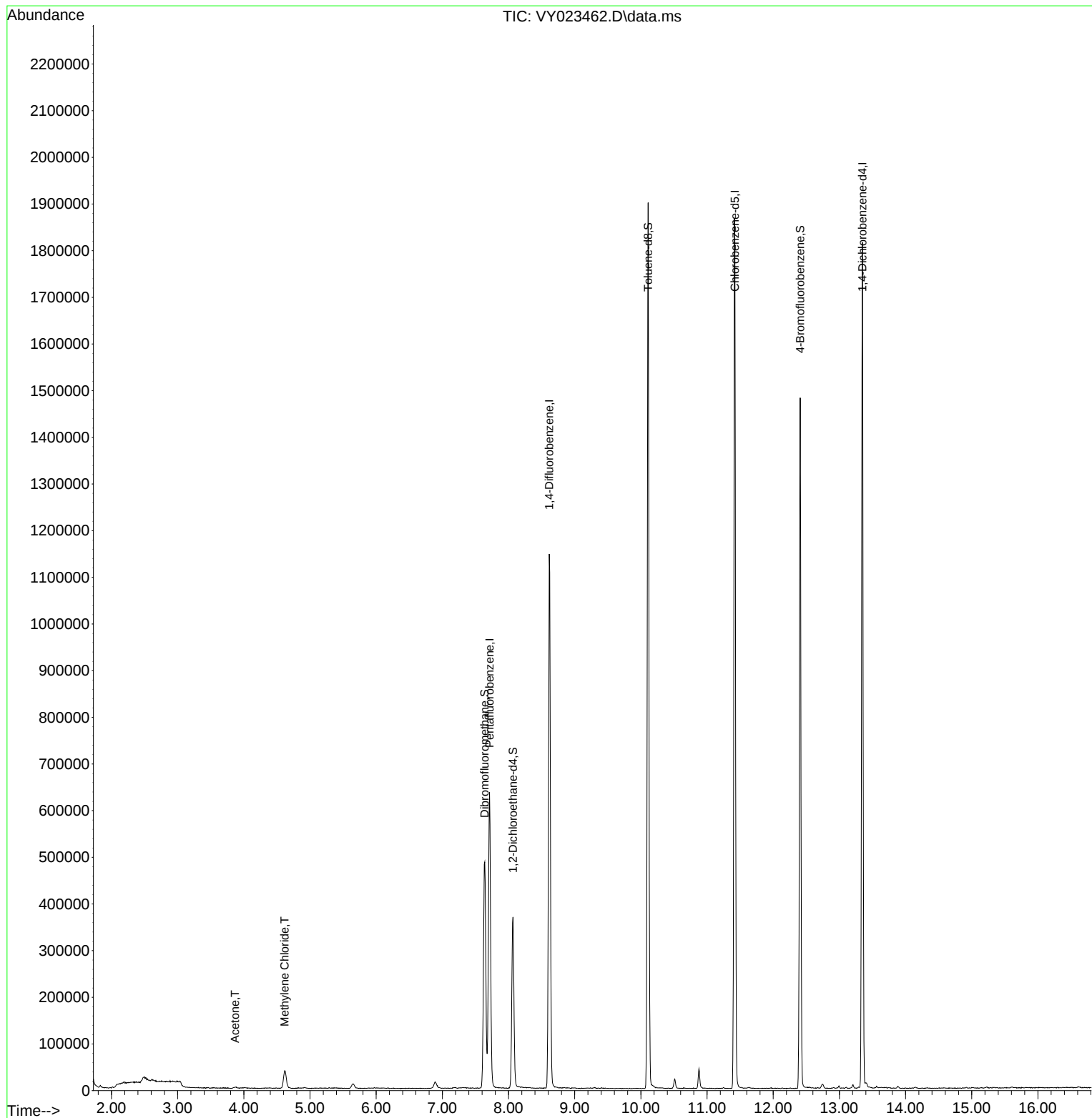
Internal Standards						
1) Pentafluorobenzene	7.713	168	521903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1026356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1081652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	485422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	290158	66.485	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 132.980%		
35) Dibromofluoromethane	7.640	113	356862	56.587	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 113.180%		
50) Toluene-d8	10.109	98	1258375	53.580	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 107.160%		
62) 4-Bromofluorobenzene	12.408	95	431468	55.646	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 111.300%		
Target Compounds						
						Qvalue
16) Acetone	3.866	43	3876	3.731	ug/l	97
20) Methylene Chloride	4.616	84	31008	5.519	ug/l	96

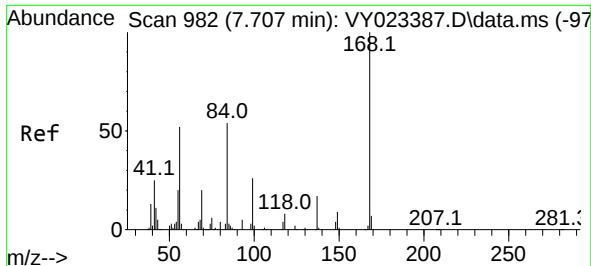
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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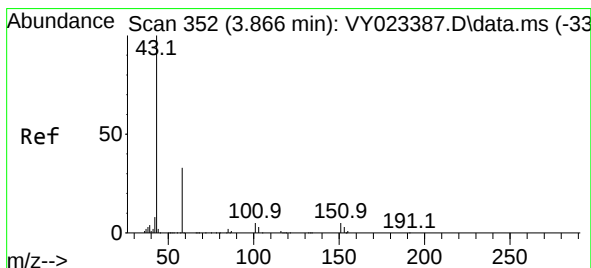
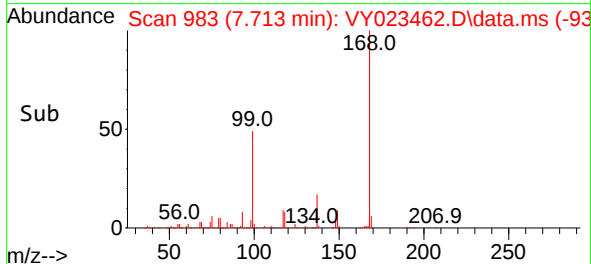
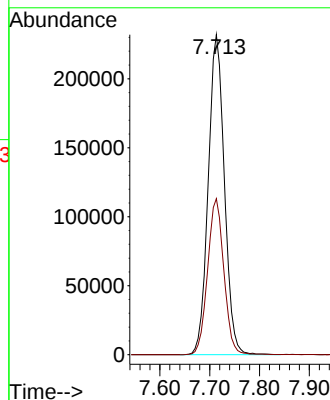
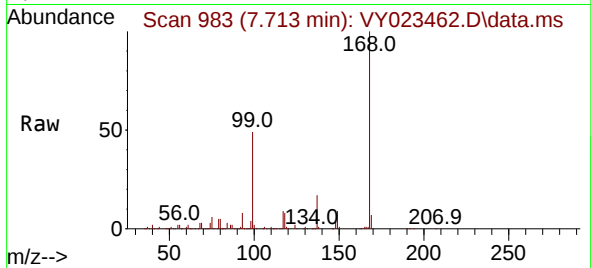




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

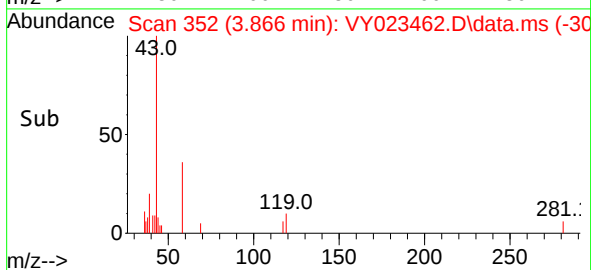
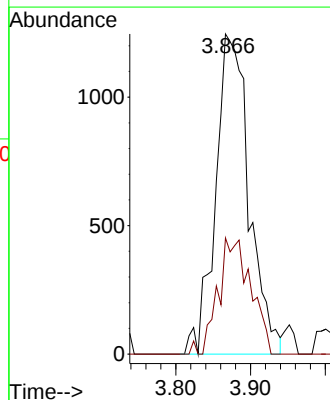
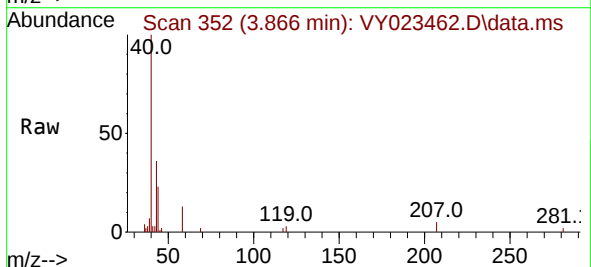
Instrument :
MSVOA_Y
ClientSampleId :
C-3

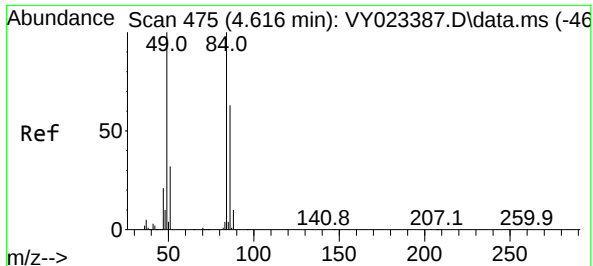
Tgt Ion:168 Resp: 521903
Ion Ratio Lower Upper
168 100
99 48.8 39.7 59.5



#16
Acetone
Concen: 3.731 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.000 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

Tgt Ion: 43 Resp: 3876
Ion Ratio Lower Upper
43 100
58 36.3 27.7 41.5

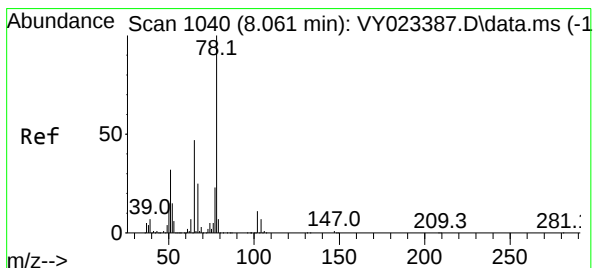
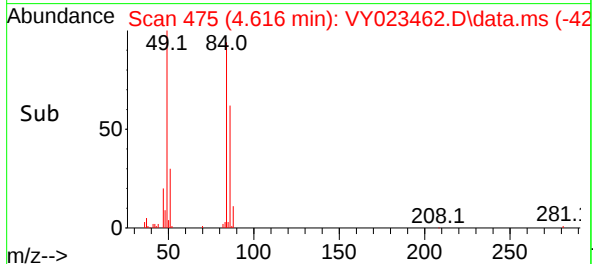
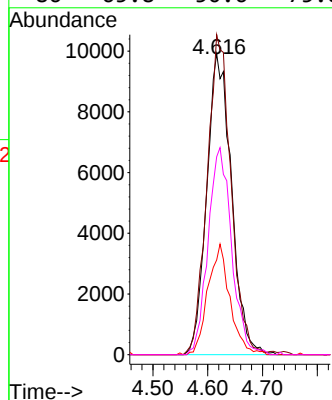
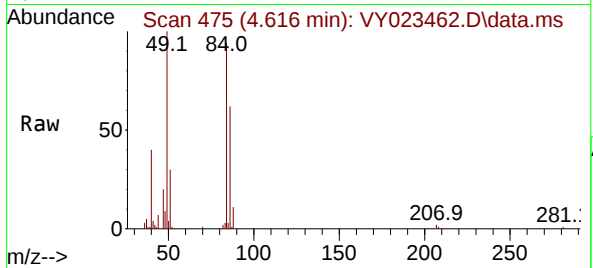




#20
Methylene Chloride
Concen: 5.519 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

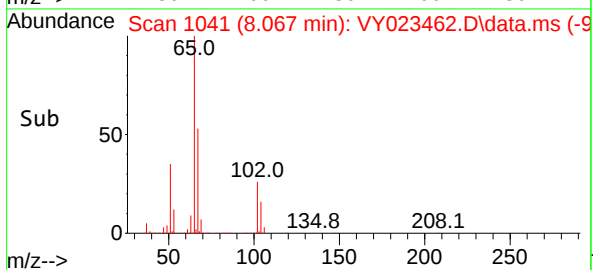
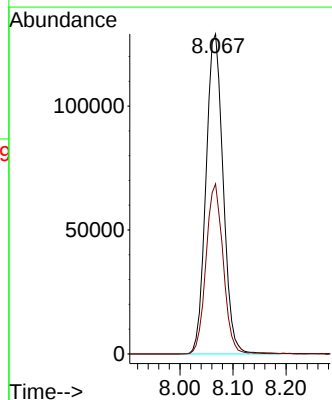
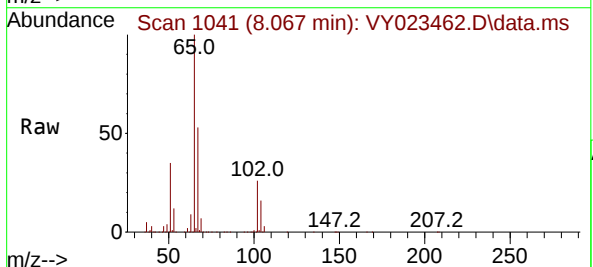
Instrument :
MSVOA_Y
ClientSampleId :
C-3

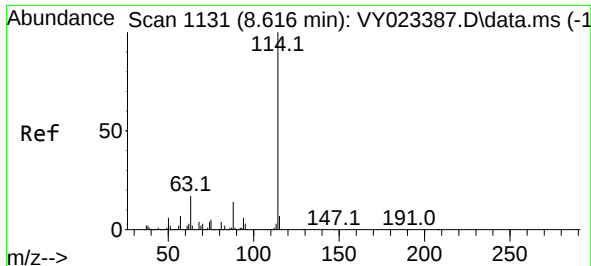
Tgt Ion:	84	Resp:	31008
Ion	Ratio	Lower	Upper
84	100		
49	106.3	80.2	120.4
51	31.5	25.9	38.9
86	65.8	50.6	75.8



#33
1,2-Dichloroethane-d4
Concen: 66.485 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

Tgt Ion:	65	Resp:	290158
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023462.D

Acq: 14 Oct 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

C-3

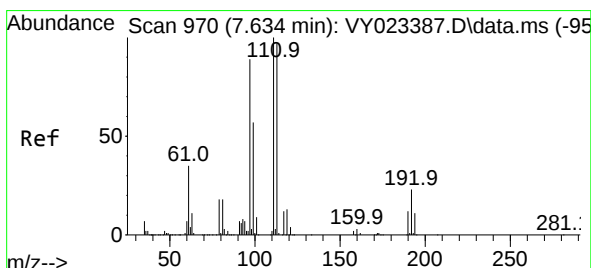
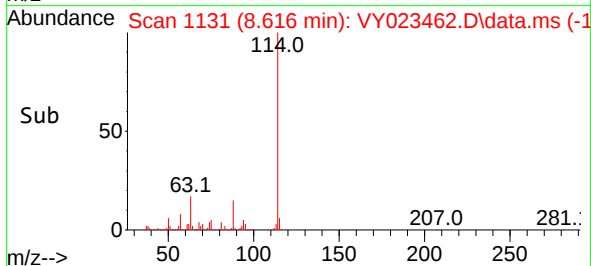
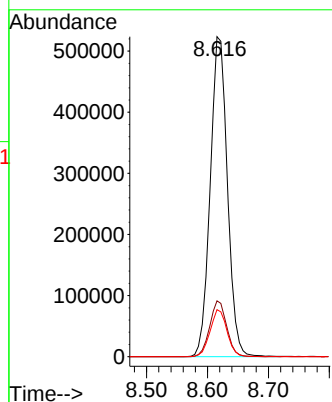
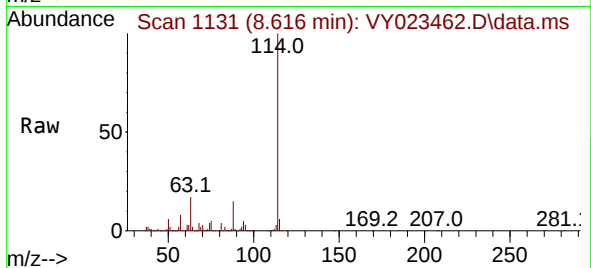
Tgt Ion:114 Resp: 1026356

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

88 14.7 0.0 28.4



#35

Dibromofluoromethane

Concen: 56.587 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023462.D

Acq: 14 Oct 2025 15:15

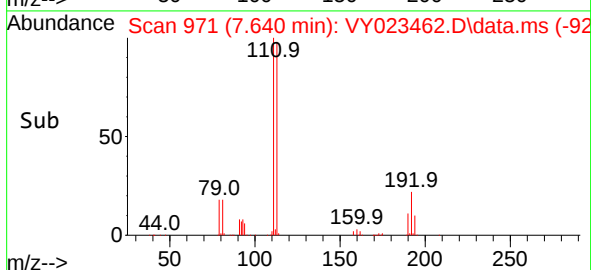
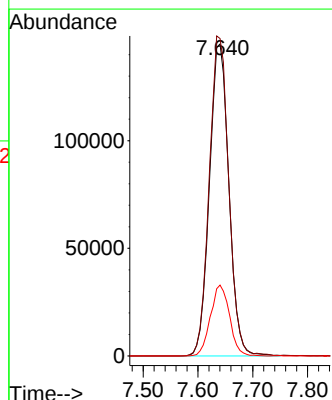
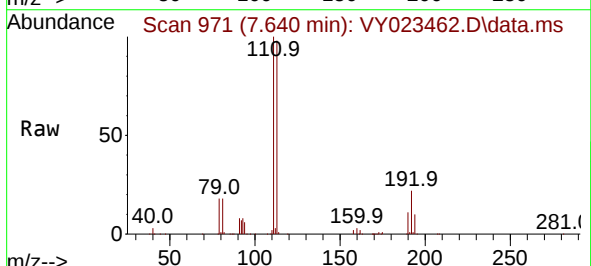
Tgt Ion:113 Resp: 356862

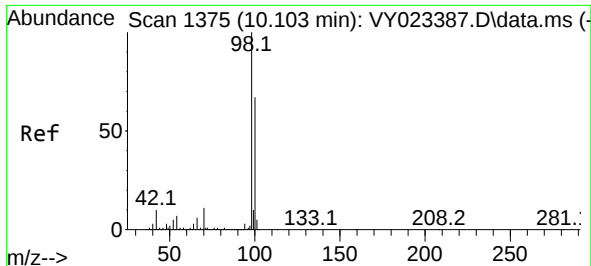
Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.6

192 22.3 18.0 27.0

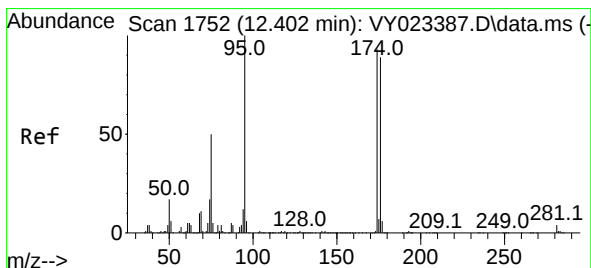
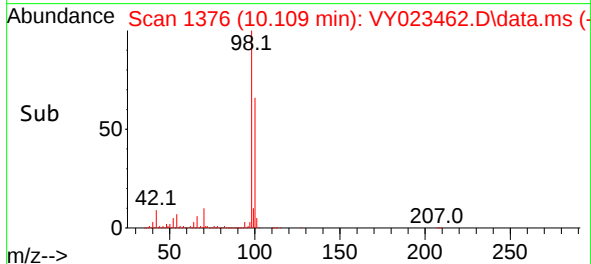
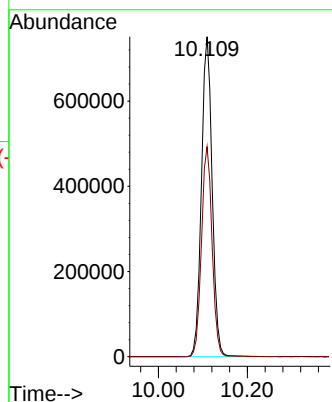
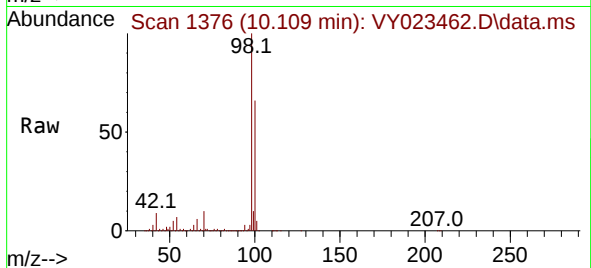




#50
Toluene-d8
Concen: 53.580 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

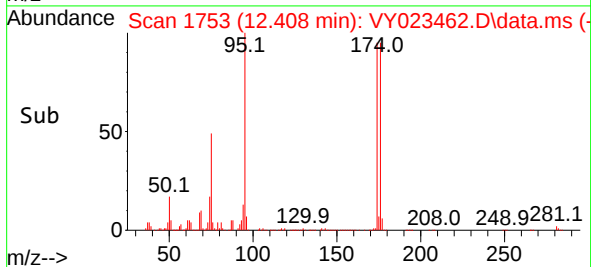
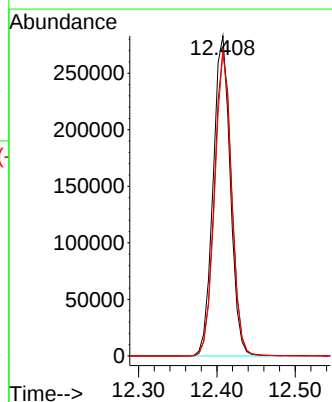
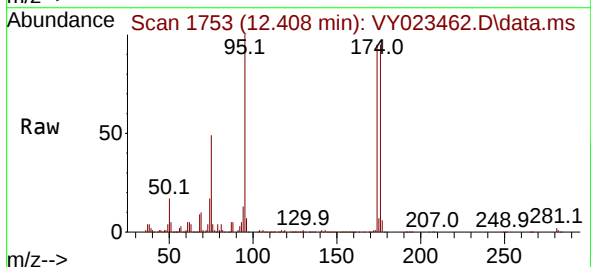
Instrument :
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ClientSampleId :
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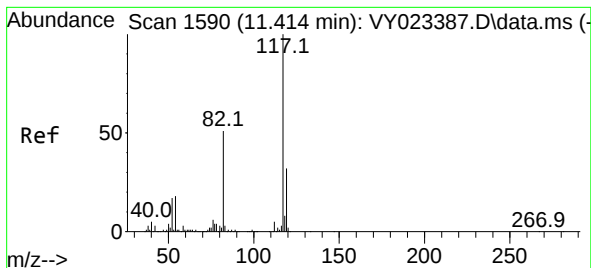
Tgt Ion: 98 Resp: 1258375
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 55.646 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

Tgt Ion: 95 Resp: 431468
Ion Ratio Lower Upper
95 100
174 96.0 0.0 192.8
176 93.3 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023462.D

Acq: 14 Oct 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

C-3

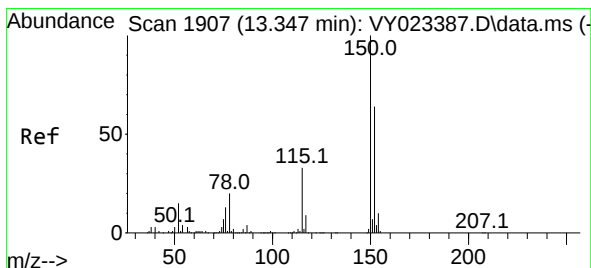
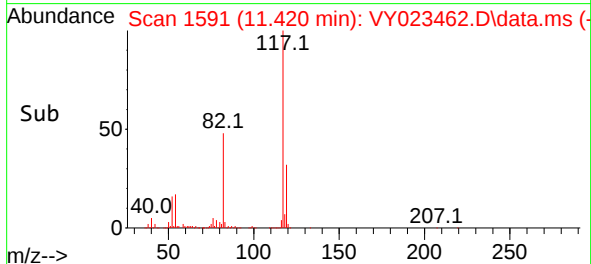
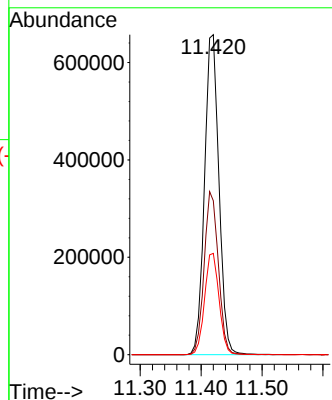
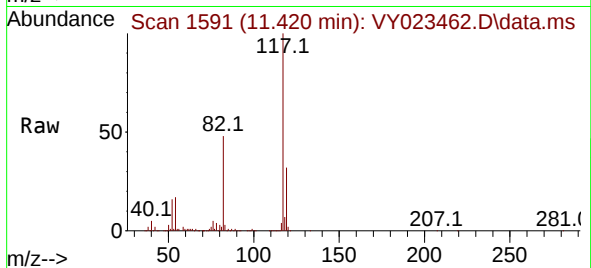
Tgt Ion:117 Resp: 1081652

Ion Ratio Lower Upper

117 100

82 48.1 41.0 61.4

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023462.D

Acq: 14 Oct 2025 15:15

Tgt Ion:152 Resp: 485422

Ion Ratio Lower Upper

152 100

115 53.6 27.1 81.2

150 157.2 0.0 347.4

