

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048213.D
 Acq On : 17 Oct 2025 15:32
 Operator : JC/MD
 Sample : PB170117TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB170117TB

Quant Time: Oct 18 00:19:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

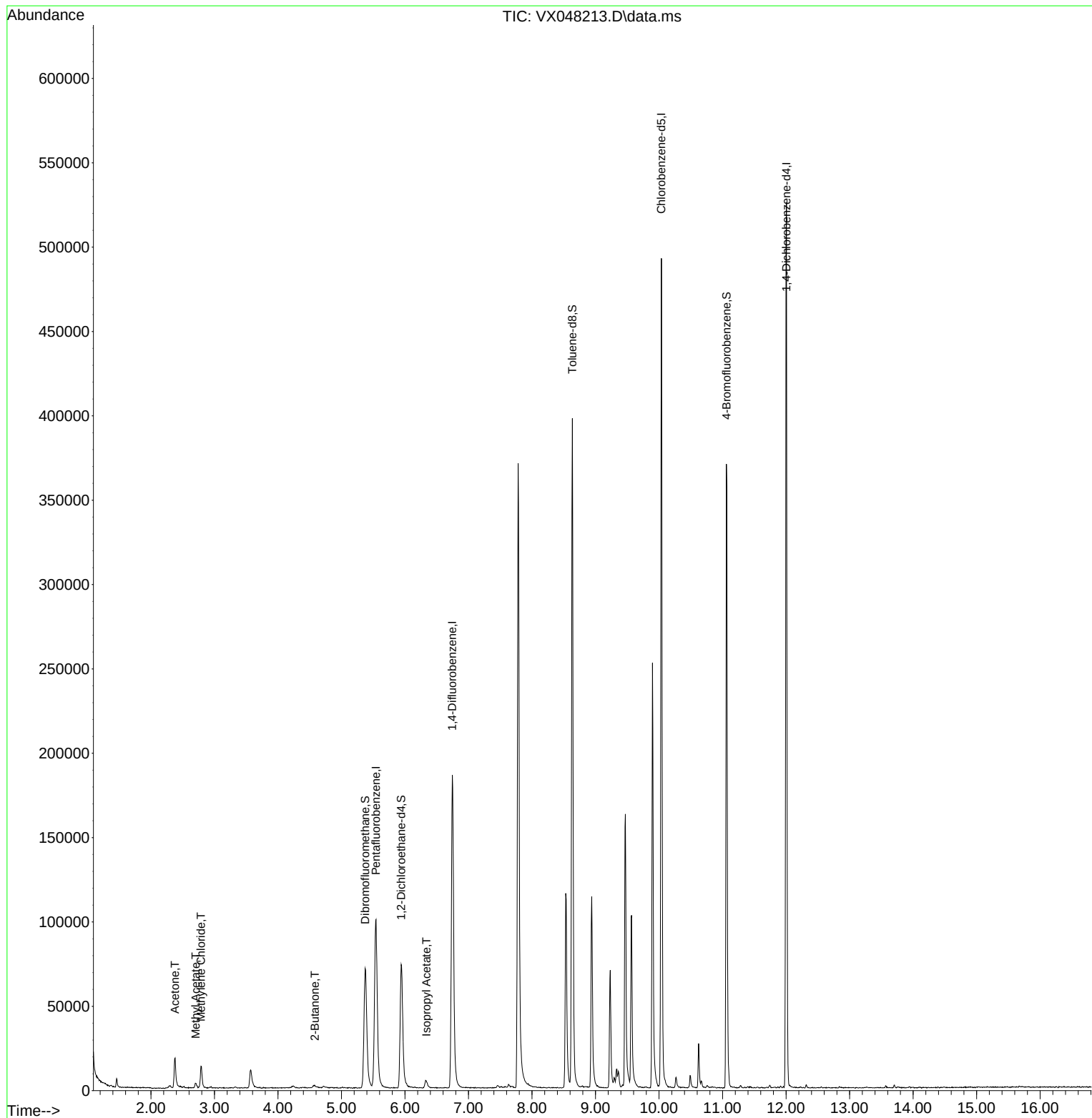
Internal Standards						
1) Pentafluorobenzene	5.544	168	102171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	205732	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	221971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	82590	52.179	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.360%
35) Dibromofluoromethane	5.373	113	69725	48.833	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.660%
50) Toluene-d8	8.635	98	245003	47.630	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.260%
62) 4-Bromofluorobenzene	11.061	95	107538	57.399	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.800%
Target Compounds						
						Qvalue
16) Acetone	2.380	43	22691	42.024	ug/l	95
18) Methyl Acetate	2.703	43	4387	3.989	ug/l	97
20) Methylene Chloride	2.788	84	6570	4.995	ug/l	89
25) 2-Butanone	4.580	43	3428	5.449	ug/l #	73
43) Isopropyl Acetate	6.336	43	6960	2.579	ug/l #	88

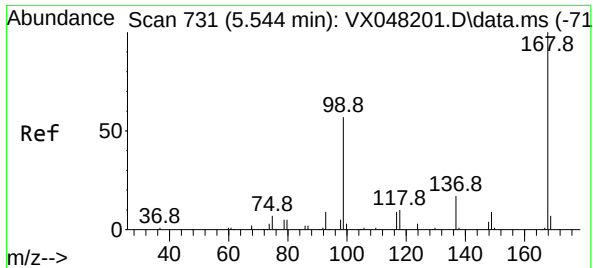
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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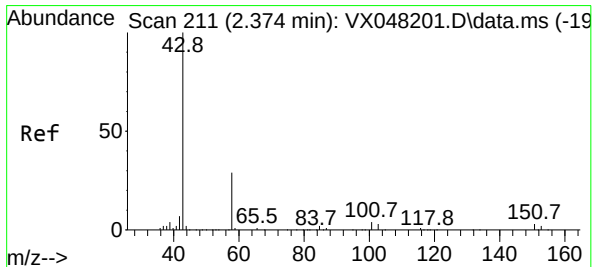
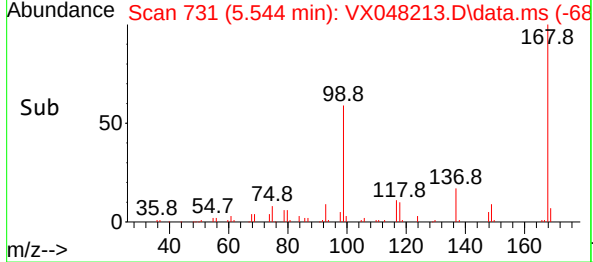
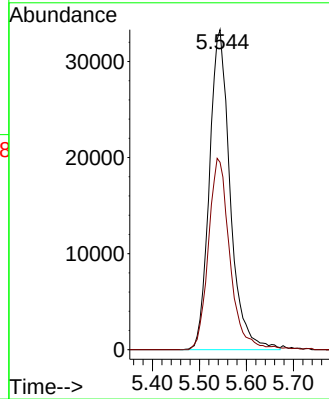
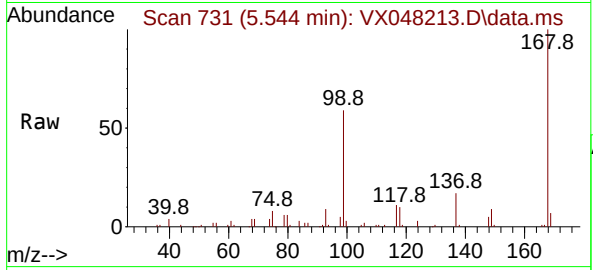




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

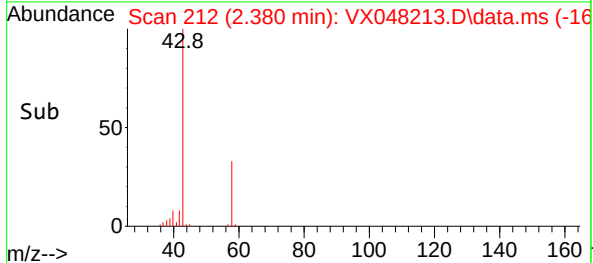
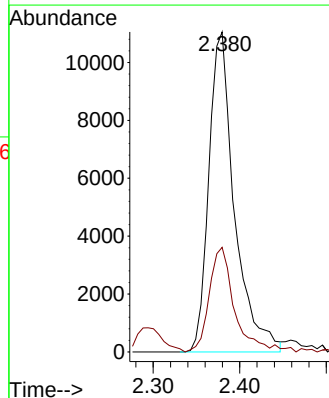
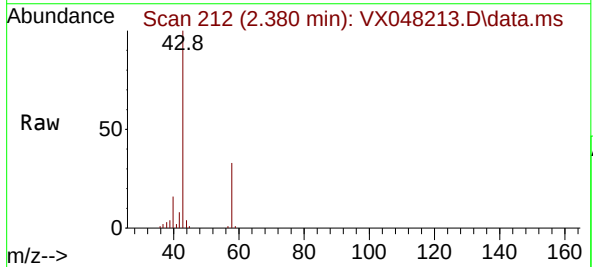
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

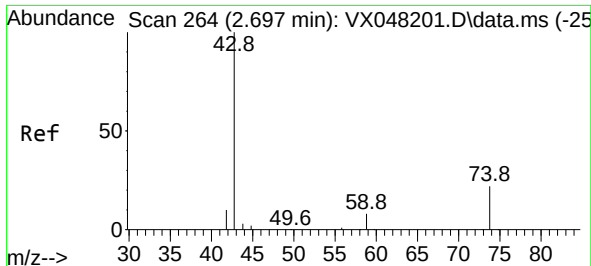
Tgt Ion:168 Resp: 102171
Ion Ratio Lower Upper
168 100
99 58.5 46.4 69.6



#16
Acetone
Concen: 42.024 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion: 43 Resp: 22691
Ion Ratio Lower Upper
43 100
58 31.7 23.4 35.2

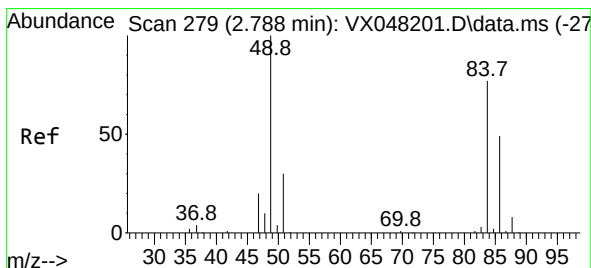
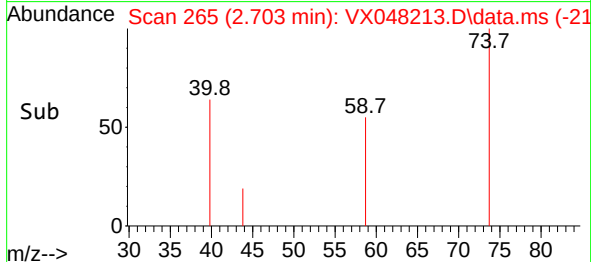
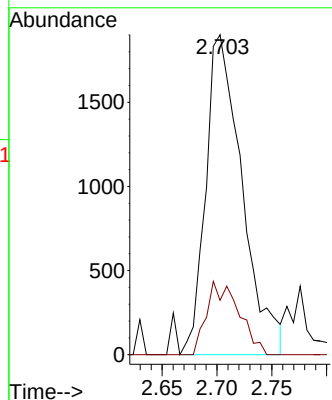
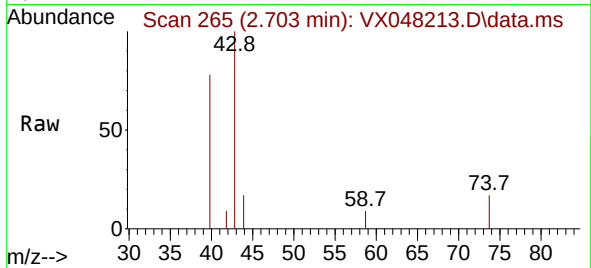




#18
Methyl Acetate
Concen: 3.989 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

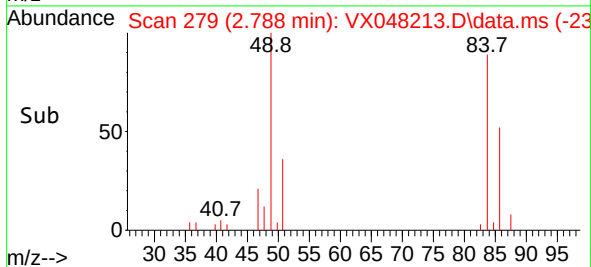
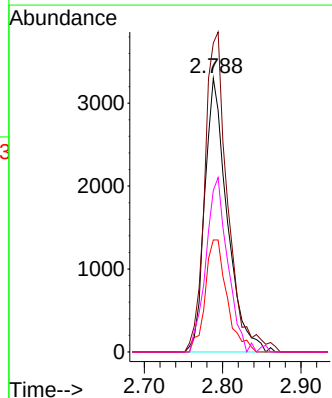
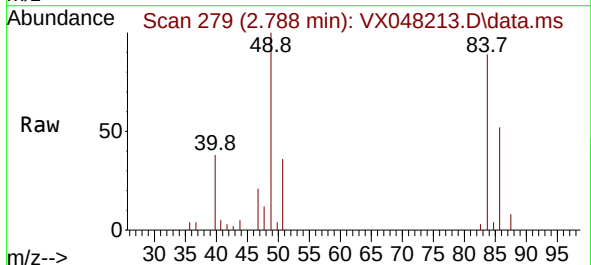
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

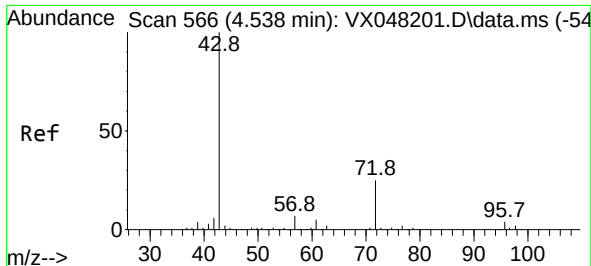
Tgt Ion: 43 Resp: 4387
Ion Ratio Lower Upper
43 100
74 20.3 17.5 26.3



#20
Methylene Chloride
Concen: 4.995 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion: 84 Resp: 6570
Ion Ratio Lower Upper
84 100
49 112.8 104.1 156.1
51 40.9 31.3 46.9
86 59.0 51.3 76.9





#25

2-Butanone

Concen: 5.449 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX048213.D

Acq: 17 Oct 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

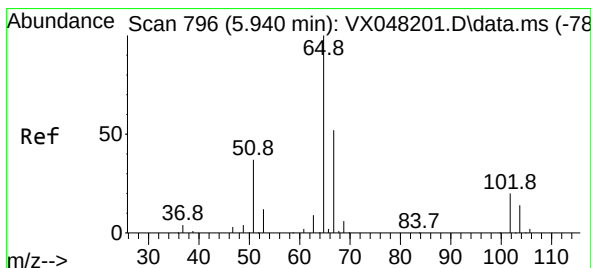
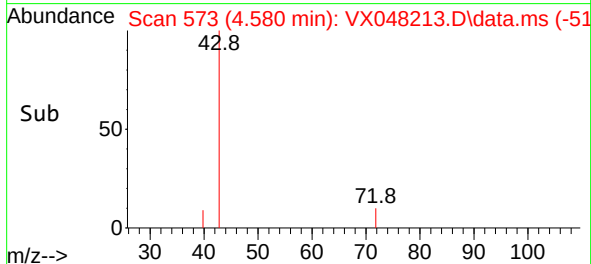
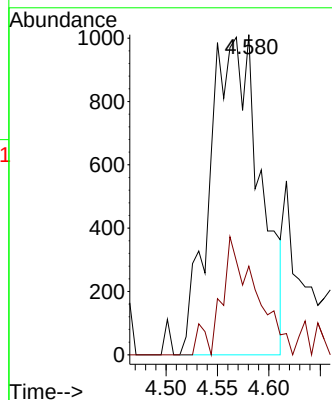
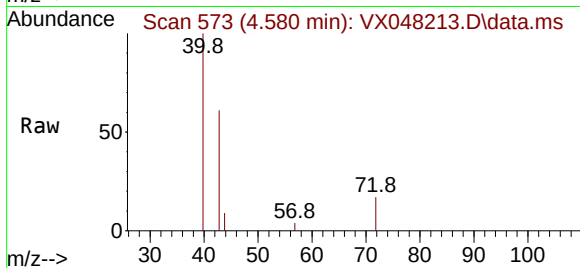
PB170117TB

Tgt Ion: 43 Resp: 3428

Ion Ratio Lower Upper

43 100

72 38.3 19.9 29.9#



#33

1,2-Dichloroethane-d4

Concen: 52.179 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048213.D

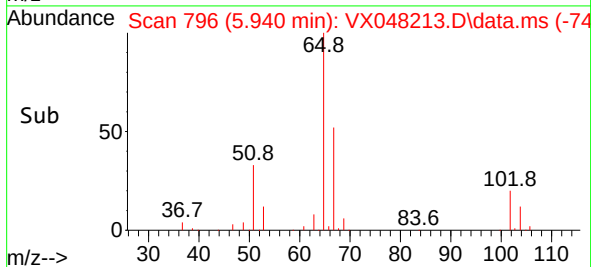
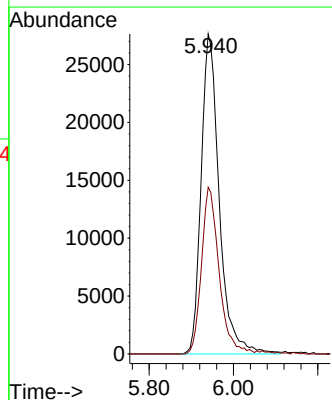
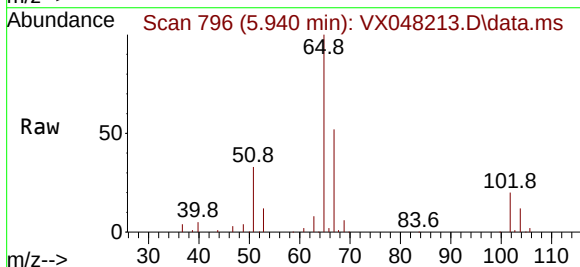
Acq: 17 Oct 2025 15:32

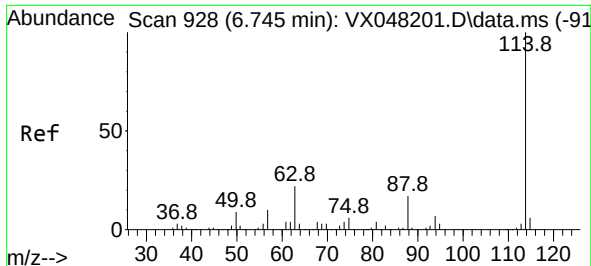
Tgt Ion: 65 Resp: 82590

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.0

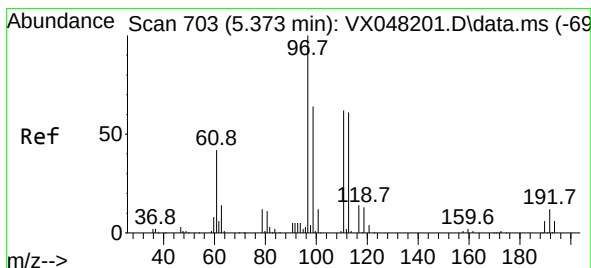
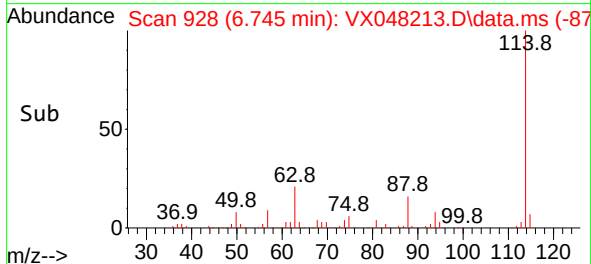
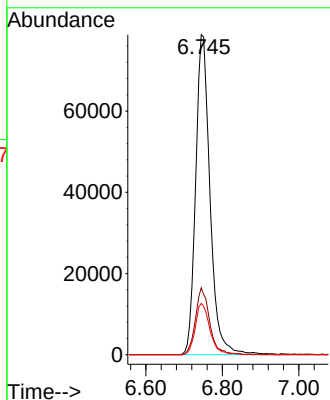
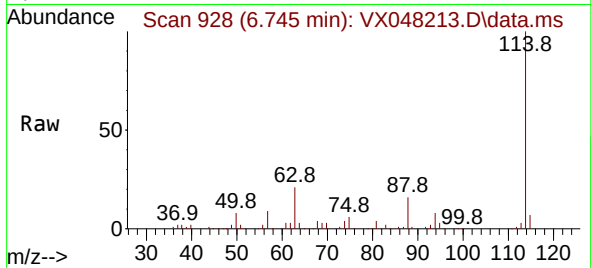




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

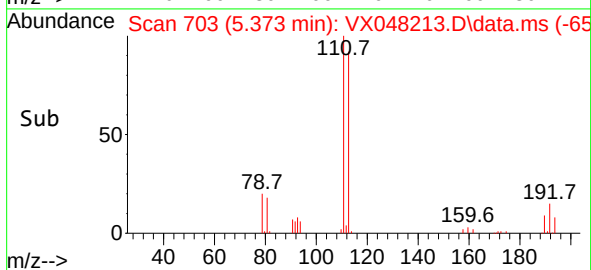
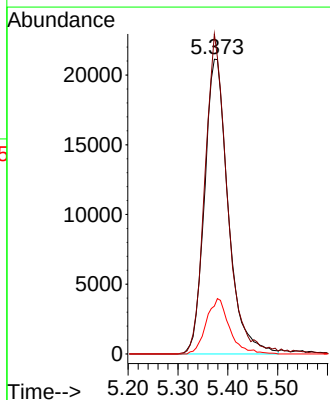
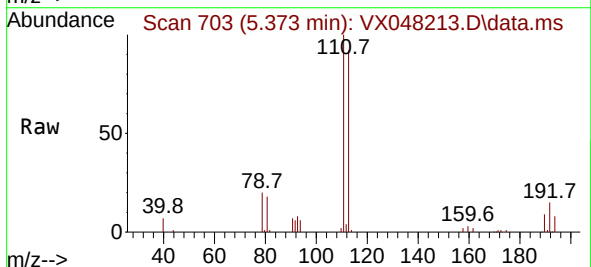
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

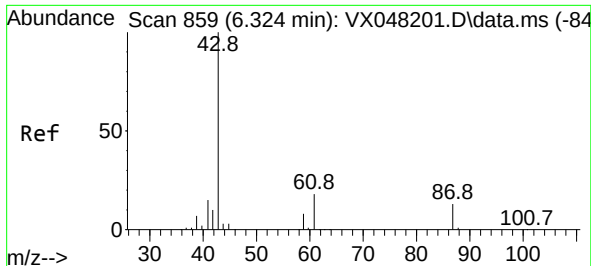
Tgt Ion:114 Resp: 205732
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.2
88 16.0 0.0 33.6



#35
Dibromofluoromethane
Concen: 48.833 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion:113 Resp: 69725
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 18.4 15.1 22.7

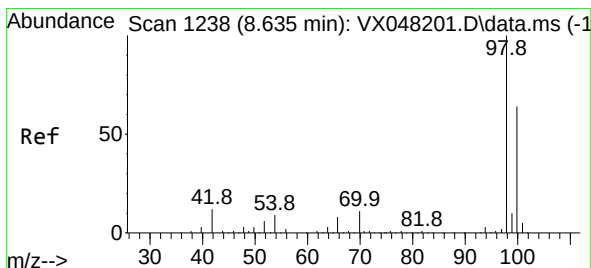
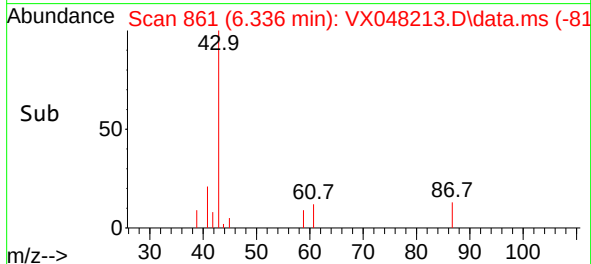
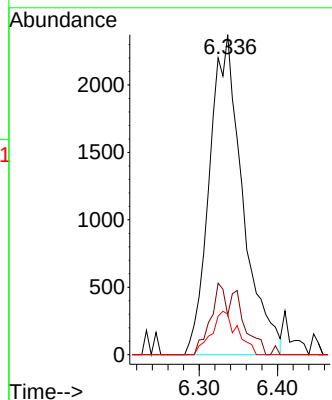
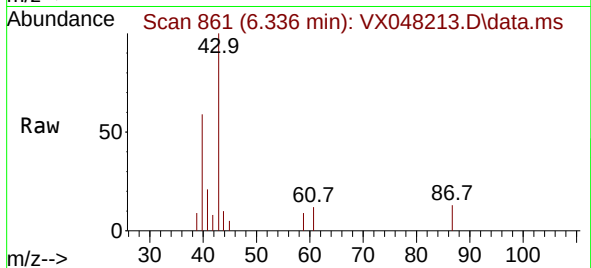




#43
Isopropyl Acetate
Concen: 2.579 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

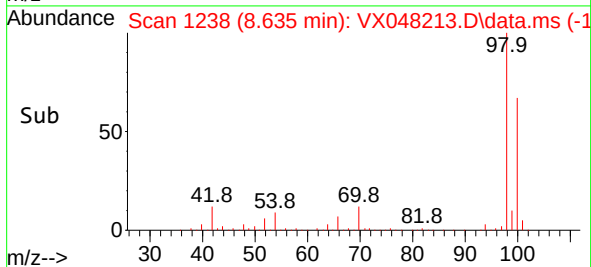
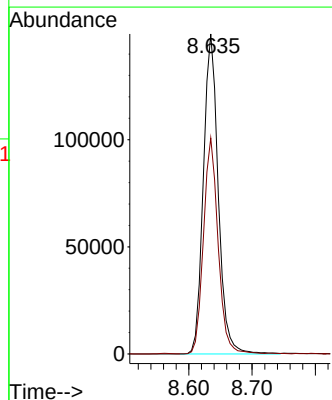
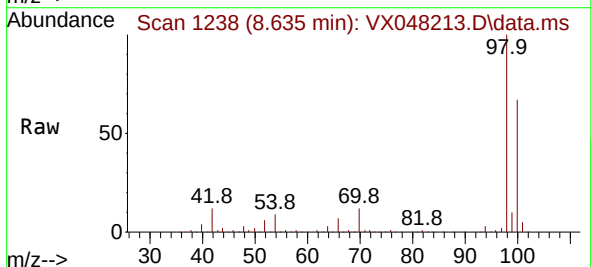
Instrument :
MSVOA_X
ClientSampleId :
PB170117TB

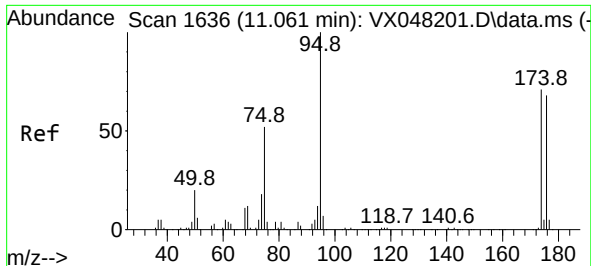
Tgt Ion: 43 Resp: 6960
Ion Ratio Lower Upper
43 100
61 10.9 14.9 22.3#
87 10.6 9.4 14.2



#50
Toluene-d8
Concen: 47.630 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048213.D
Acq: 17 Oct 2025 15:32

Tgt Ion: 98 Resp: 245003
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4





#62

4-Bromofluorobenzene

Concen: 57.399 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048213.D

Acq: 17 Oct 2025 15:32

Instrument :

MSVOA_X

ClientSampleId :

PB170117TB

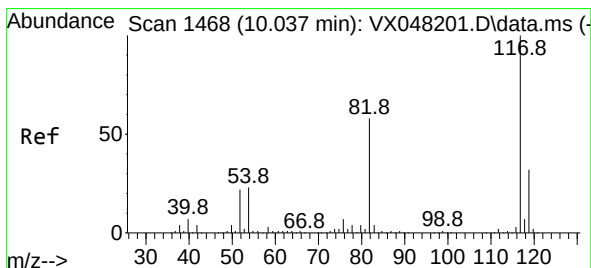
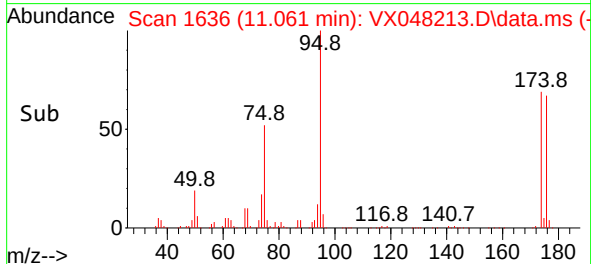
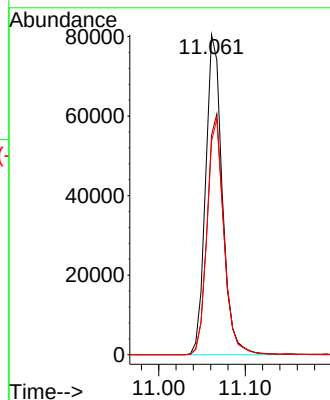
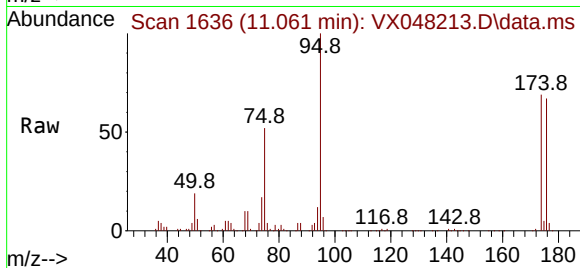
Tgt Ion: 95 Resp: 107538

Ion Ratio Lower Upper

95 100

174 75.5 0.0 147.8

176 74.5 0.0 142.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048213.D

Acq: 17 Oct 2025 15:32

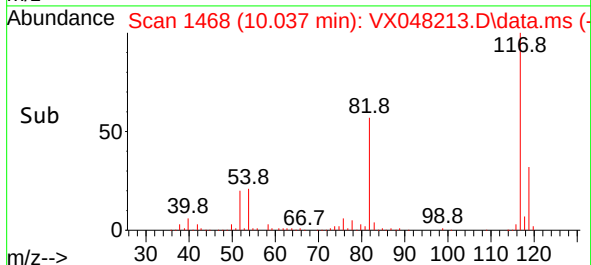
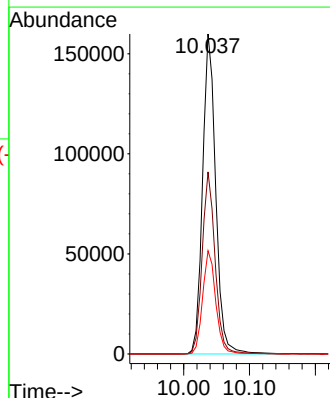
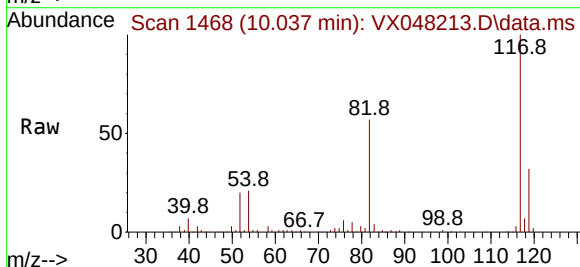
Tgt Ion: 117 Resp: 221971

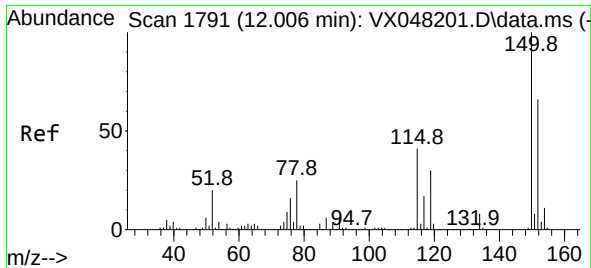
Ion Ratio Lower Upper

117 100

82 56.9 46.5 69.7

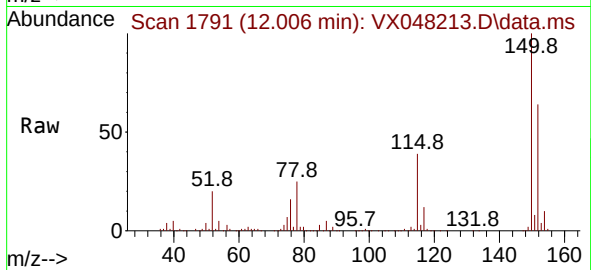
119 32.3 25.9 38.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048213.D
 Acq: 17 Oct 2025 15:32

Instrument :
 MSVOA_X
 ClientSampleId :
 PB170117TB



Tgt Ion:152 Resp: 114296
 Ion Ratio Lower Upper
 152 100
 115 61.7 43.1 129.4
 150 156.0 0.0 353.0

