

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080625\
 Data File : VX047245.D
 Acq On : 06 Aug 2025 13:57
 Operator : JC/MD
 Sample : Q2780-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Quant Time: Aug 07 01:17:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

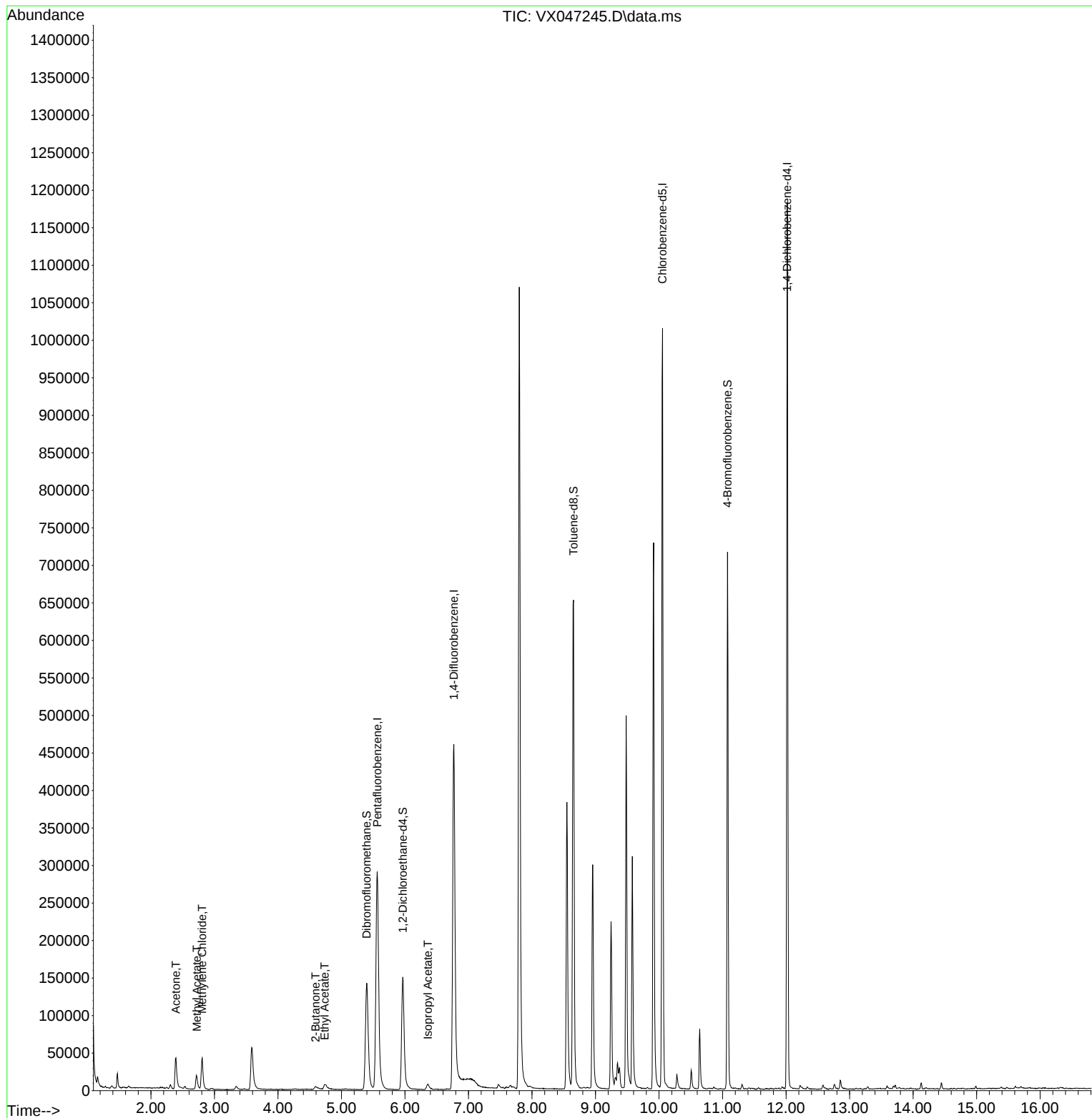
Internal Standards						
1) Pentafluorobenzene	5.562	168	287320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	500448	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	442436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	229116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	156218	43.647	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	87.300%	
35) Dibromofluoromethane	5.397	113	134334	43.475	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	86.940%	
50) Toluene-d8	8.653	98	408035	40.776	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	81.560%#	
62) 4-Bromofluorobenzene	11.079	95	190789	44.243	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	88.480%	
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	60560	42.238	ug/l	93
18) Methyl Acetate	2.721	43	28040	7.359	ug/l	94
20) Methylene Chloride	2.806	84	20071	5.088	ug/l	95
25) 2-Butanone	4.593	43	11269	5.398	ug/l #	88
37) Ethyl Acetate	4.733	43	17889	3.686	ug/l #	82
43) Isopropyl Acetate	6.361	43	12050	1.593	ug/l #	93

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
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QLast Update : Tue Jul 22 03:59:51 2025
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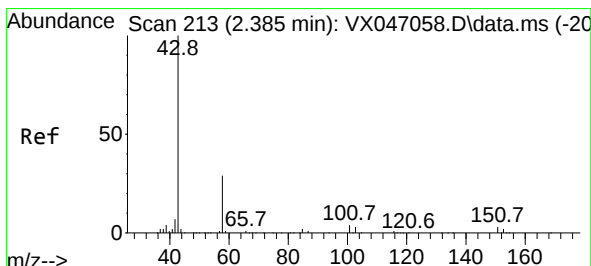
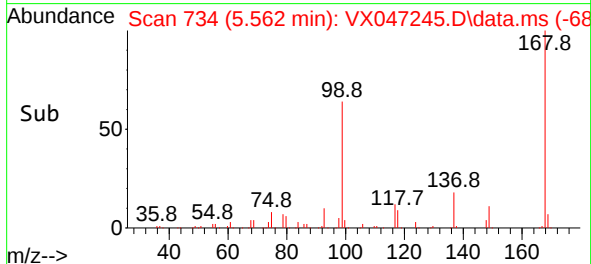
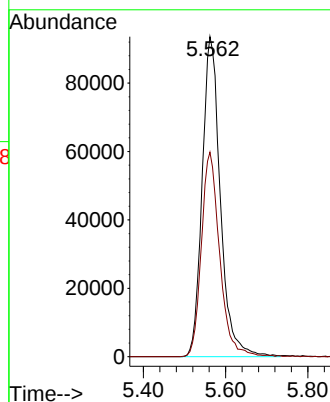
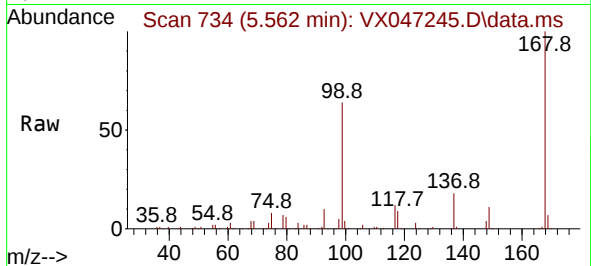




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047245.D
Acq: 06 Aug 2025 13:57

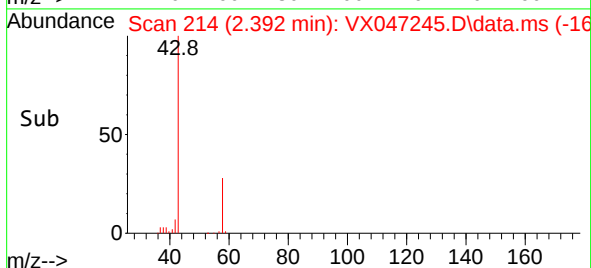
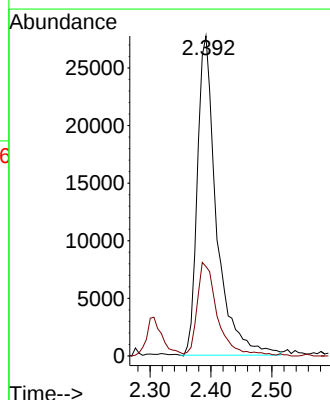
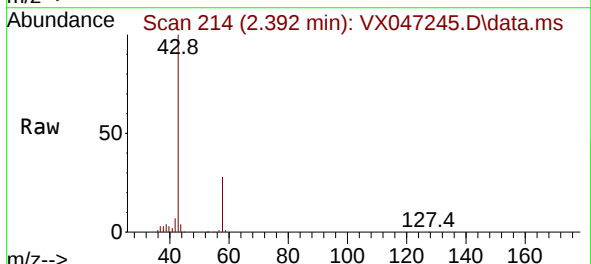
Instrument :
MSVOA_X
ClientSampleId :
TP-3

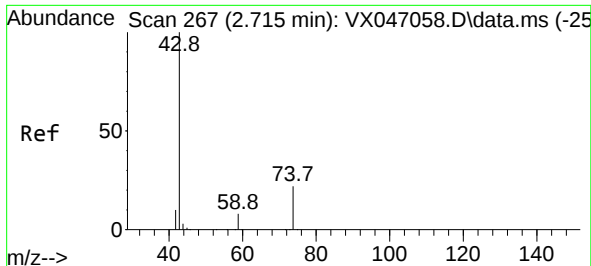
Tgt Ion:168 Resp: 287320
Ion Ratio Lower Upper
168 100
99 63.9 48.0 72.0



#16
Acetone
Concen: 42.238 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047245.D
Acq: 06 Aug 2025 13:57

Tgt Ion: 43 Resp: 60560
Ion Ratio Lower Upper
43 100
58 26.4 24.0 36.0

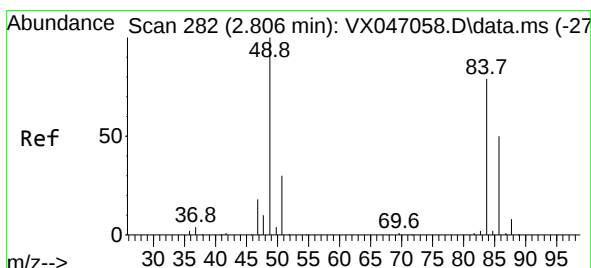
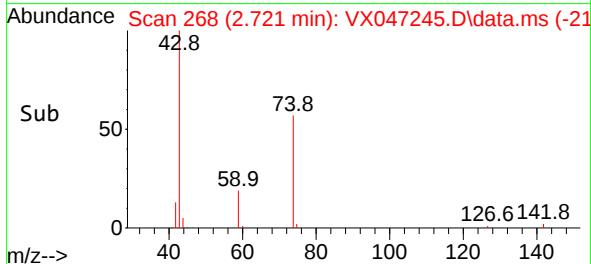
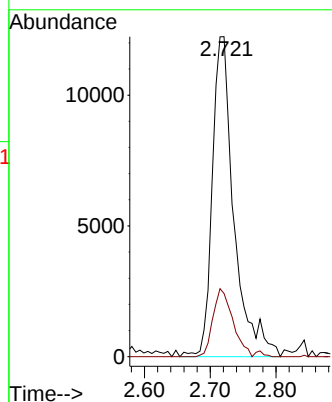
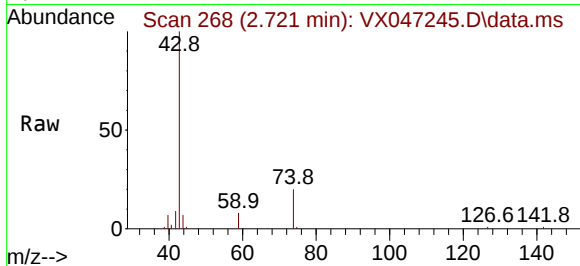




#18
Methyl Acetate
Concen: 7.359 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX047245.D
Acq: 06 Aug 2025 13:57

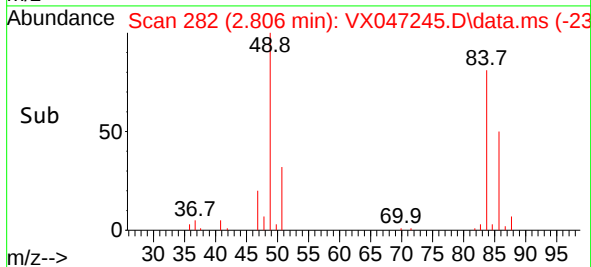
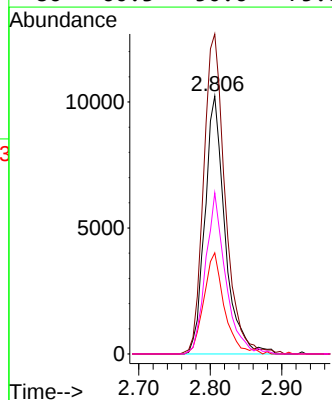
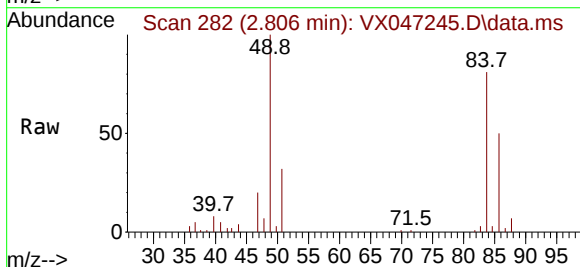
Instrument :
MSVOA_X
ClientSampleId :
TP-3

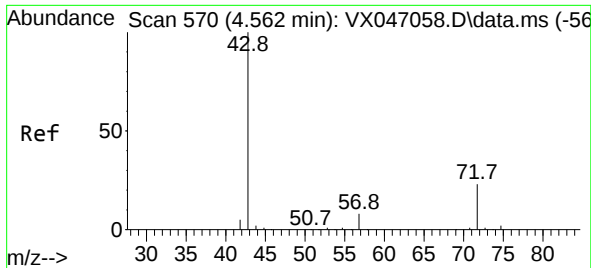
Tgt Ion: 43 Resp: 28040
Ion Ratio Lower Upper
43 100
74 19.4 17.7 26.5



#20
Methylene Chloride
Concen: 5.088 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047245.D
Acq: 06 Aug 2025 13:57

Tgt Ion: 84 Resp: 20071
Ion Ratio Lower Upper
84 100
49 119.7 101.6 152.4
51 37.8 30.3 45.5
86 60.3 50.6 75.8

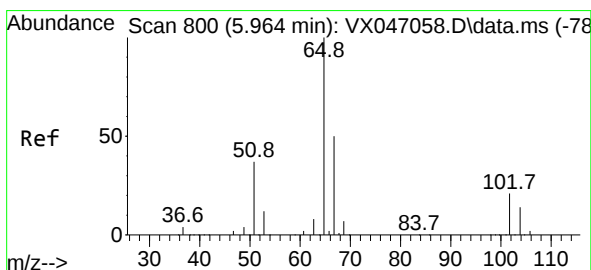
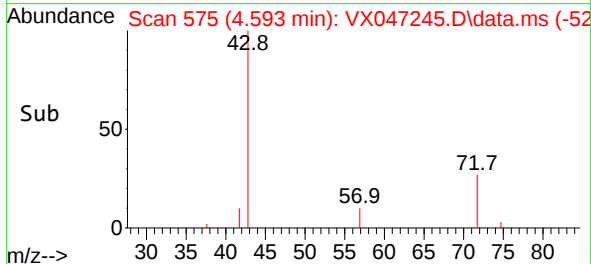
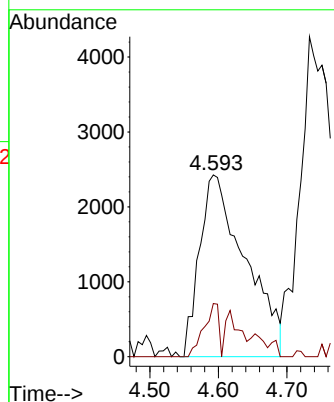
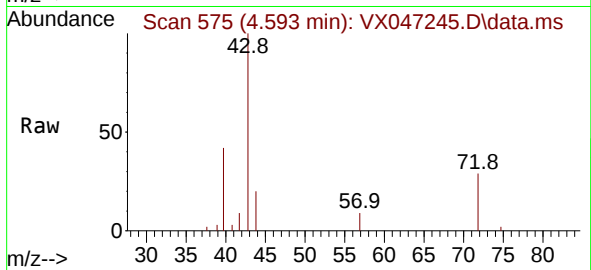




#25
2-Butanone
Concen: 5.398 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX047245.D
Acq: 06 Aug 2025 13:57

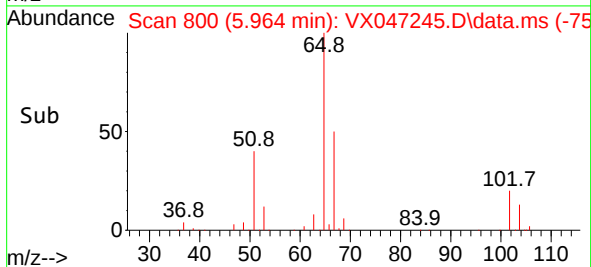
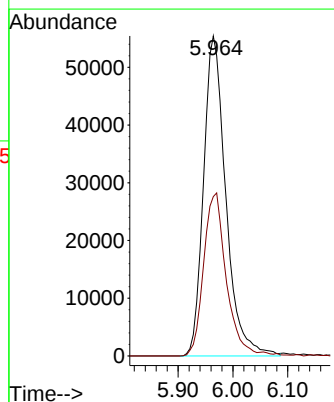
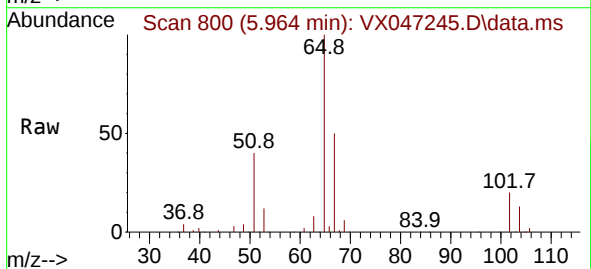
Instrument :
MSVOA_X
ClientSampleId :
TP-3

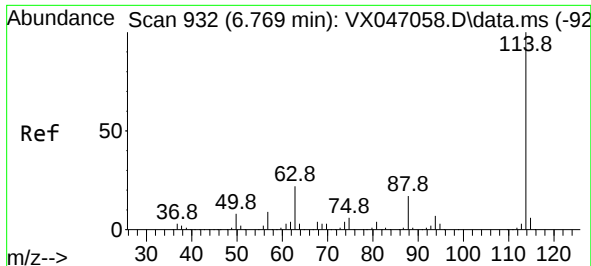
Tgt Ion: 43 Resp: 11269
Ion Ratio Lower Upper
43 100
72 29.3 18.8 28.2#



#33
1,2-Dichloroethane-d4
Concen: 43.647 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047245.D
Acq: 06 Aug 2025 13:57

Tgt Ion: 65 Resp: 156218
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8

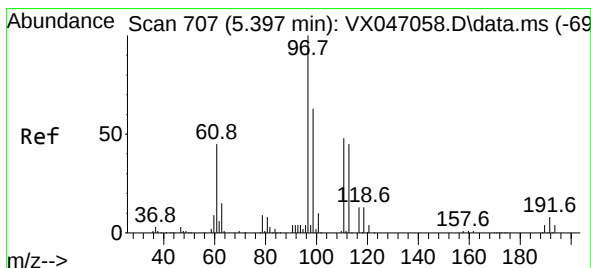
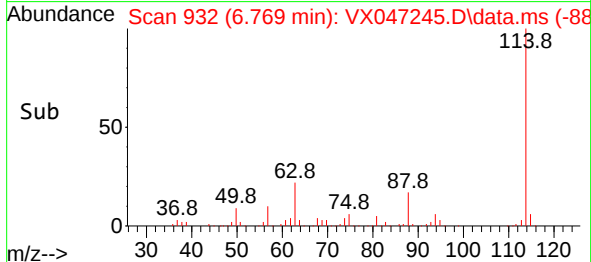
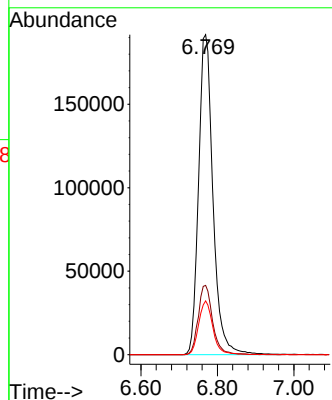
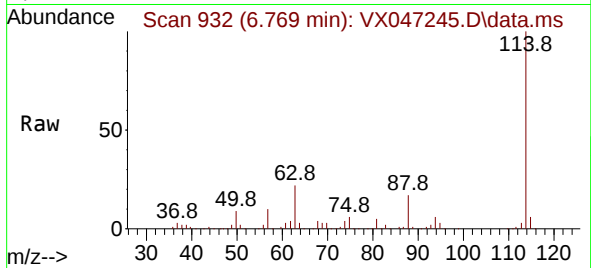




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047245.D
Acq: 06 Aug 2025 13:57

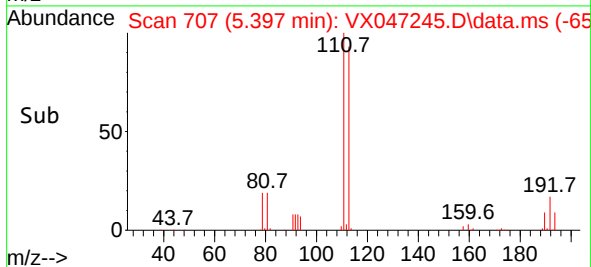
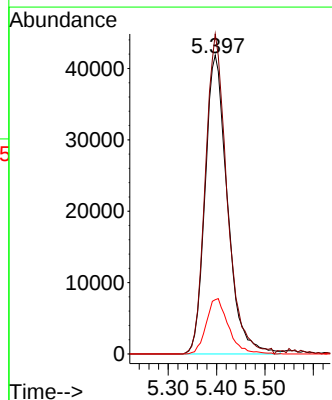
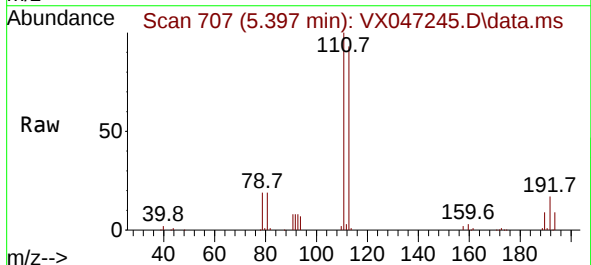
Instrument :
MSVOA_X
ClientSampleId :
TP-3

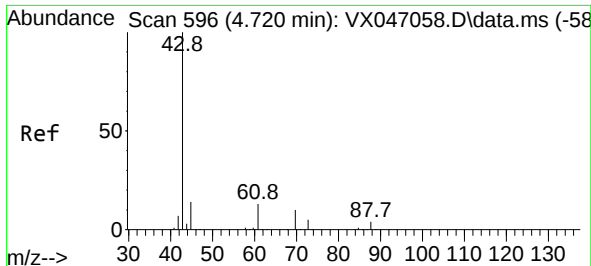
Tgt Ion:114 Resp: 500448
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.2
88 16.8 0.0 33.8



#35
Dibromofluoromethane
Concen: 43.475 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047245.D
Acq: 06 Aug 2025 13:57

Tgt Ion:113 Resp: 134334
Ion Ratio Lower Upper
113 100
111 104.1 82.6 124.0
192 18.5 14.9 22.3





#37

Ethyl Acetate

Concen: 3.686 ug/l

RT: 4.733 min Scan# 598

Delta R.T. 0.012 min

Lab File: VX047245.D

Acq: 06 Aug 2025 13:57

Instrument :

MSVOA_X

ClientSampleId :

TP-3

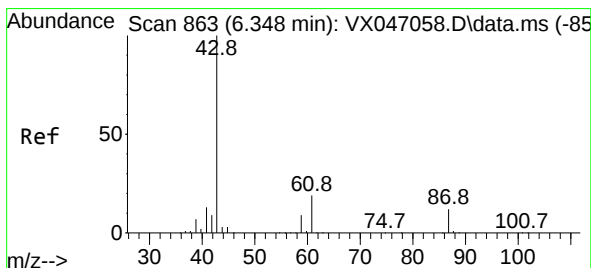
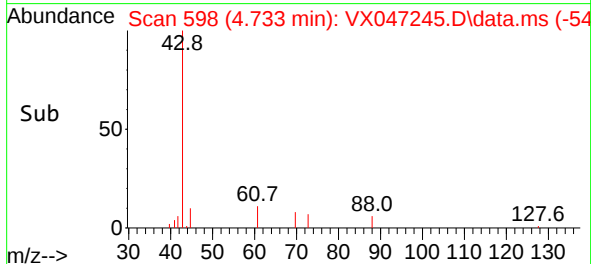
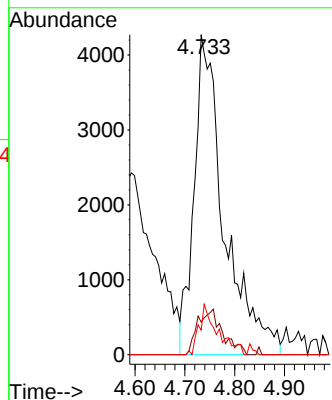
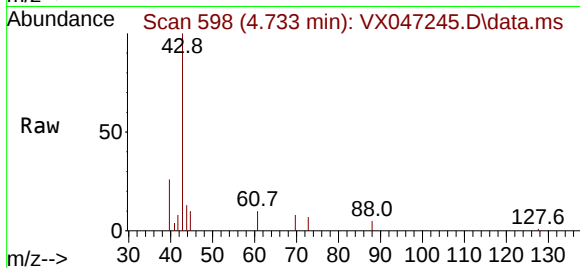
Tgt Ion: 43 Resp: 17889

Ion Ratio Lower Upper

43 100

61 0.0 10.2 15.2#

70 9.7 8.1 12.1



#43

Isopropyl Acetate

Concen: 1.593 ug/l

RT: 6.361 min Scan# 865

Delta R.T. 0.012 min

Lab File: VX047245.D

Acq: 06 Aug 2025 13:57

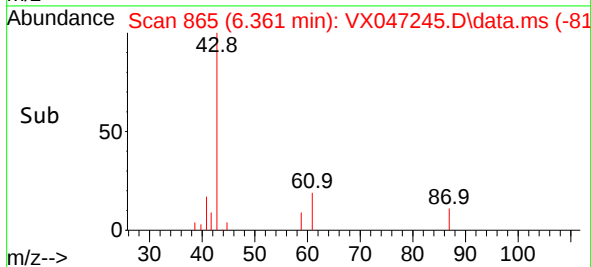
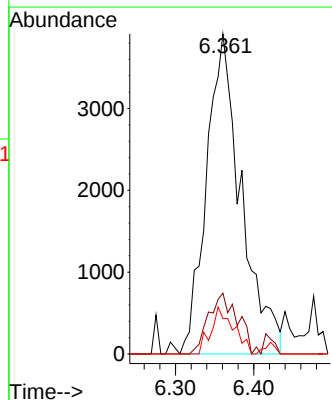
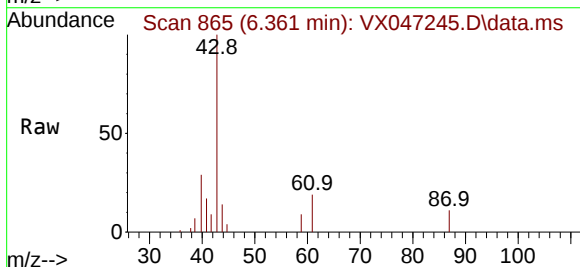
Tgt Ion: 43 Resp: 12050

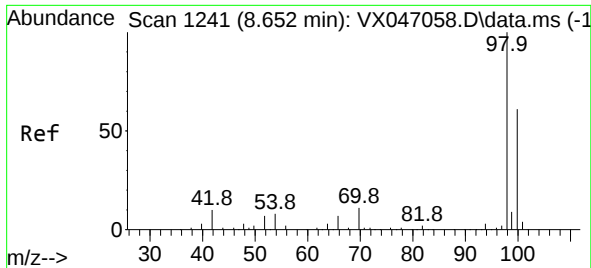
Ion Ratio Lower Upper

43 100

61 16.0 15.1 22.7

87 9.5 9.7 14.5#

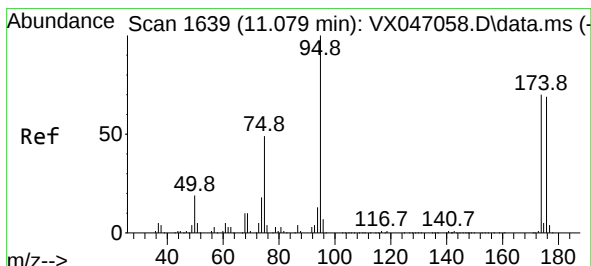
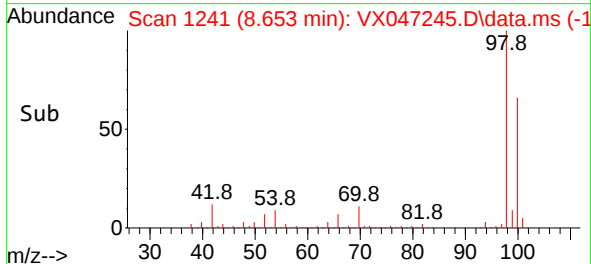
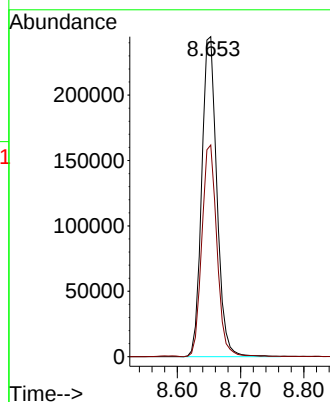
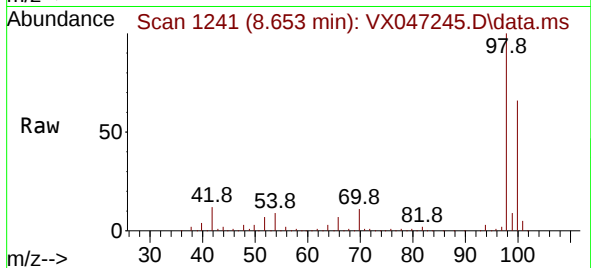




#50
Toluene-d8
Concen: 40.776 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047245.D
Acq: 06 Aug 2025 13:57

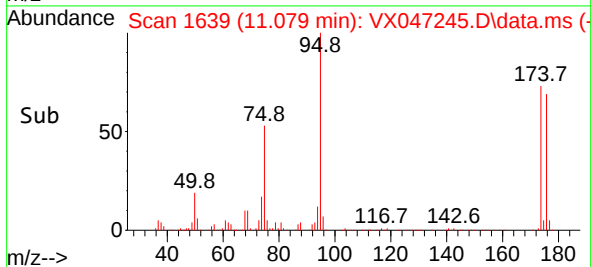
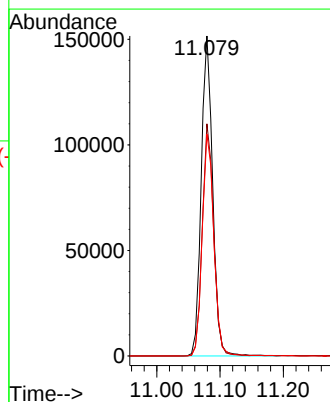
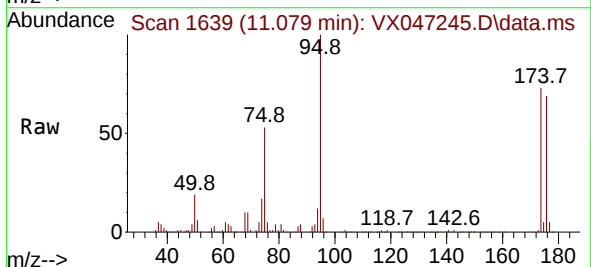
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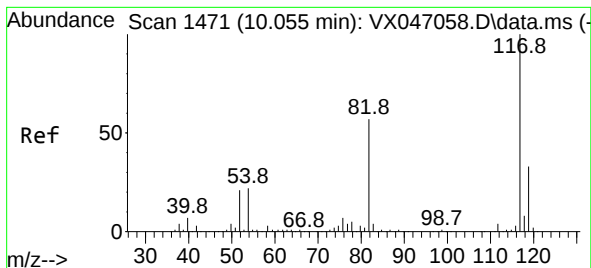
Tgt Ion: 98 Resp: 408035
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 44.243 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047245.D
Acq: 06 Aug 2025 13:57

Tgt Ion: 95 Resp: 190789
Ion Ratio Lower Upper
95 100
174 72.0 0.0 144.6
176 70.7 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047245.D

Acq: 06 Aug 2025 13:57

Instrument :

MSVOA_X

ClientSampleId :

TP-3

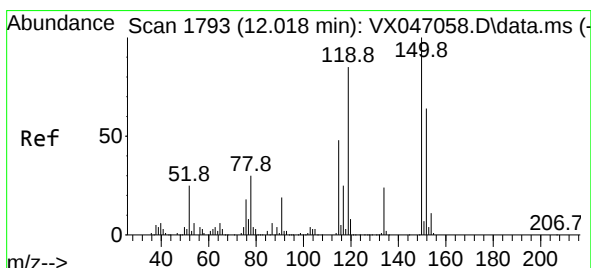
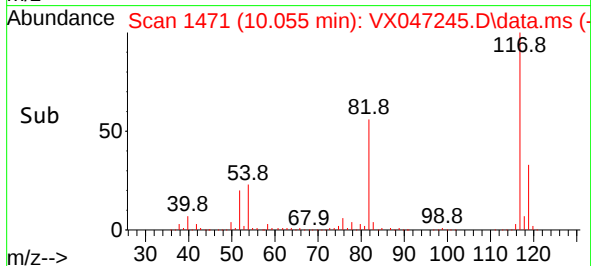
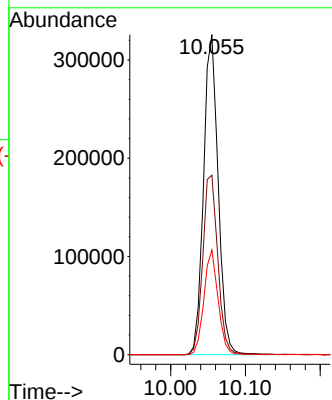
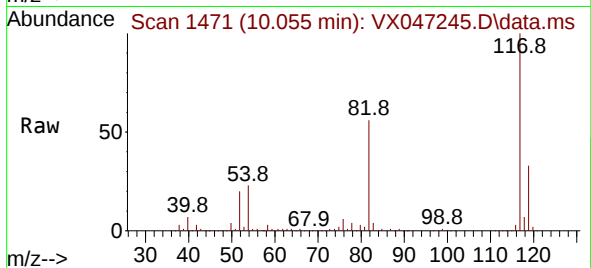
Tgt Ion:117 Resp: 442436

Ion Ratio Lower Upper

117 100

82 56.1 45.4 68.2

119 32.7 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047245.D

Acq: 06 Aug 2025 13:57

Tgt Ion:152 Resp: 229116

Ion Ratio Lower Upper

152 100

115 62.4 45.6 136.7

150 156.2 0.0 354.6

