

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
 Data File : VX048264.D
 Acq On : 21 Oct 2025 13:19
 Operator : JC/MD
 Sample : Q3369-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-21

Quant Time: Oct 21 13:37:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

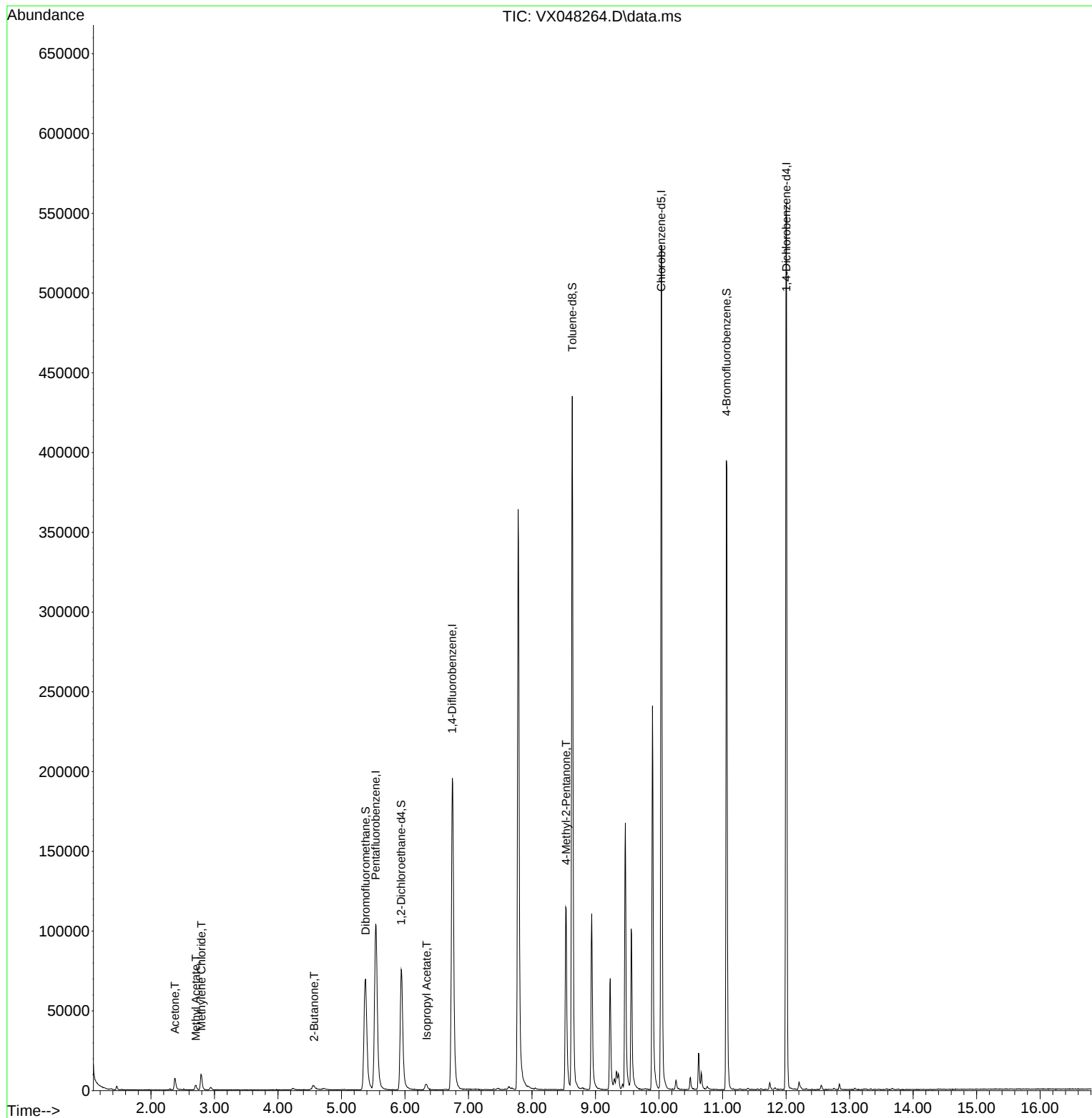
Internal Standards						
1) Pentafluorobenzene	5.538	168	107455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	220763	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	246808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	85264	56.594	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.180%	
35) Dibromofluoromethane	5.379	113	69052	45.817	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.640%	
50) Toluene-d8	8.635	98	266126	50.377	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.760%	
62) 4-Bromofluorobenzene	11.061	95	116120	57.780	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.560%	
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	9970	19.290	ug/l	98
18) Methyl Acetate	2.709	43	4150	3.845	ug/l	94
20) Methylene Chloride	2.794	84	5138	4.080	ug/l	87
25) 2-Butanone	4.568	43	4616	7.056	ug/l	92
43) Isopropyl Acetate	6.342	43	6025	2.066	ug/l #	94
51) 4-Methyl-2-Pentanone	8.537	43	45317	26.949	ug/l #	52

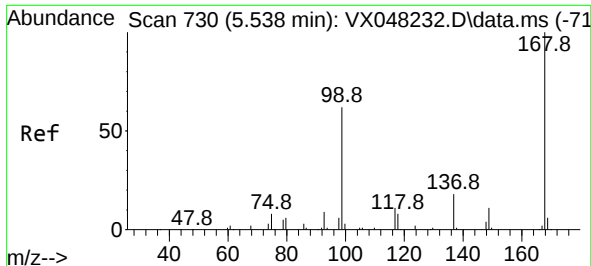
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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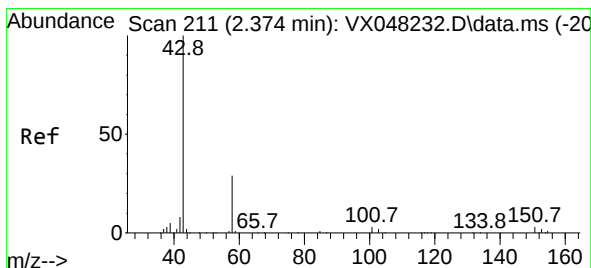
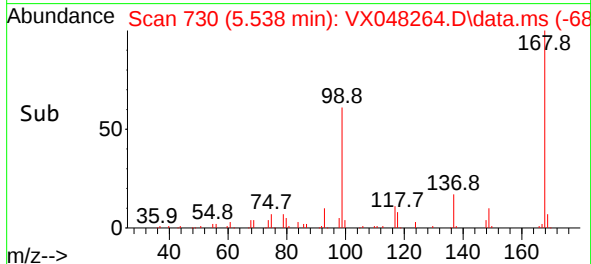
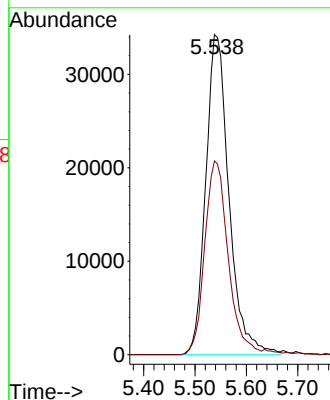
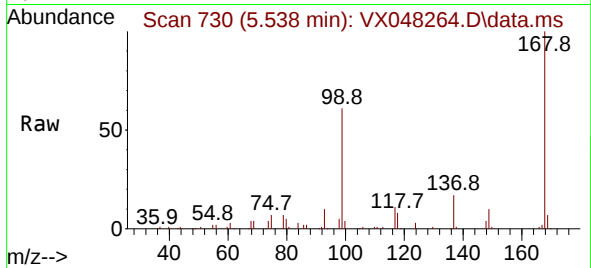




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

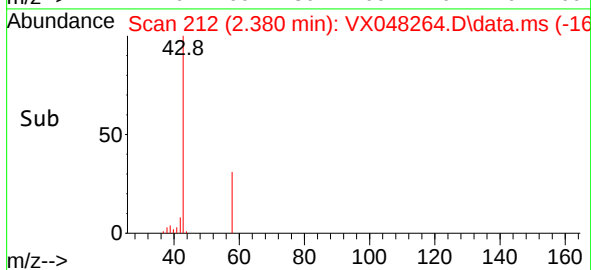
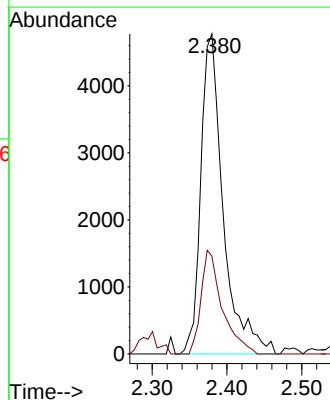
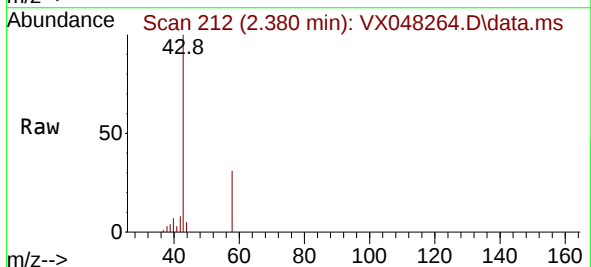
Instrument :
MSVOA_X
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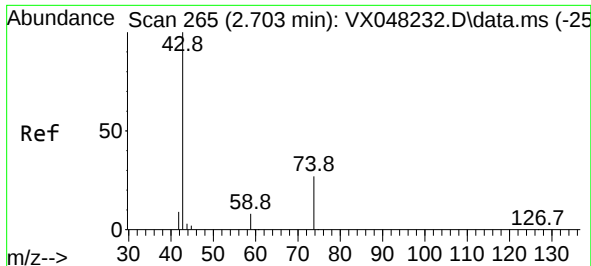
Tgt Ion:168 Resp: 107455
Ion Ratio Lower Upper
168 100
99 60.5 46.4 69.6



#16
Acetone
Concen: 19.290 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

Tgt Ion: 43 Resp: 9970
Ion Ratio Lower Upper
43 100
58 30.5 23.4 35.2

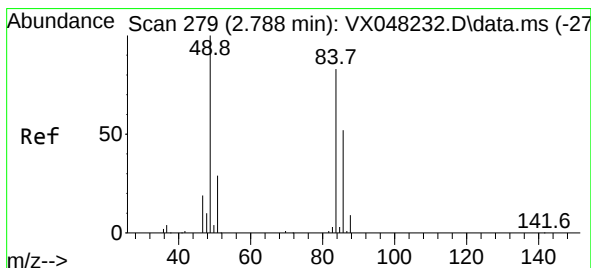
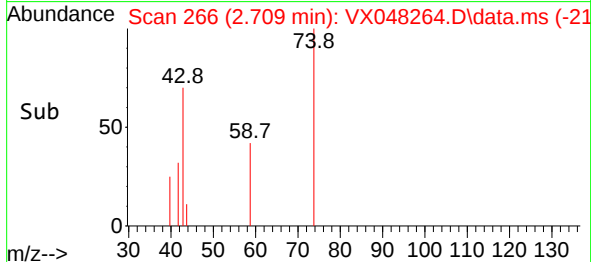
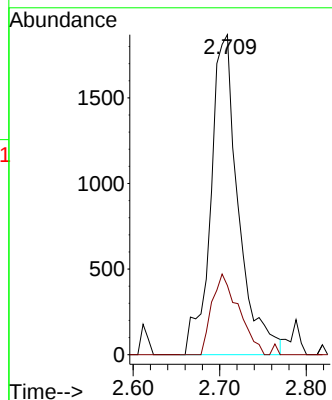
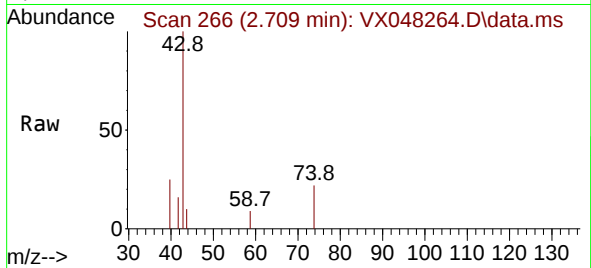




#18
Methyl Acetate
Concen: 3.845 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

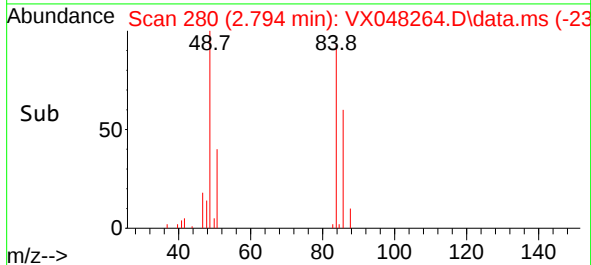
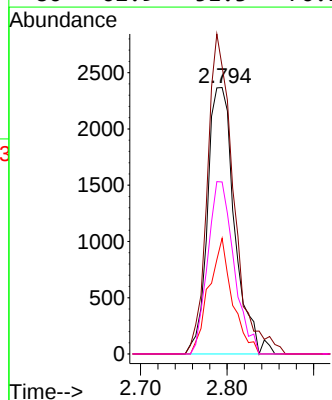
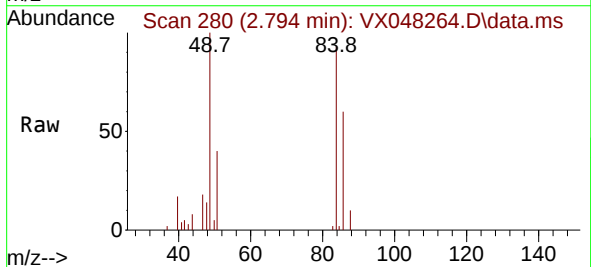
Instrument :
MSVOA_X
ClientSampleId :
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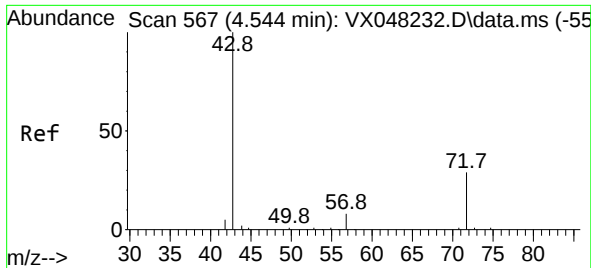
Tgt Ion: 43 Resp: 4150
Ion Ratio Lower Upper
43 100
74 24.5 17.5 26.3



#20
Methylene Chloride
Concen: 4.080 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

Tgt Ion: 84 Resp: 5138
Ion Ratio Lower Upper
84 100
49 105.1 104.1 156.1
51 42.3 31.3 46.9
86 62.9 51.3 76.9

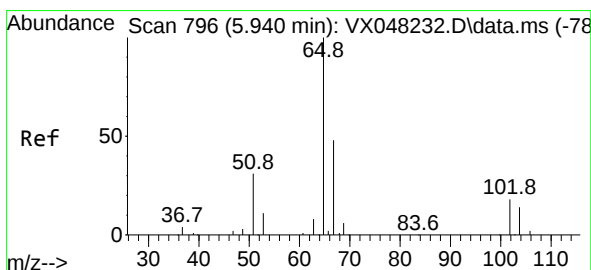
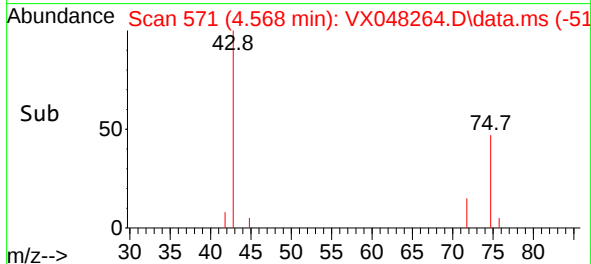
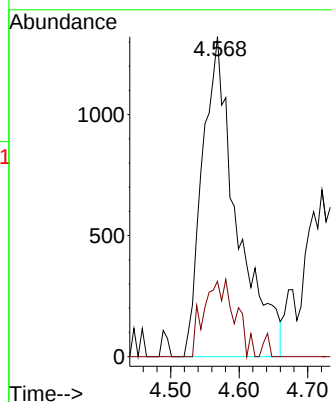
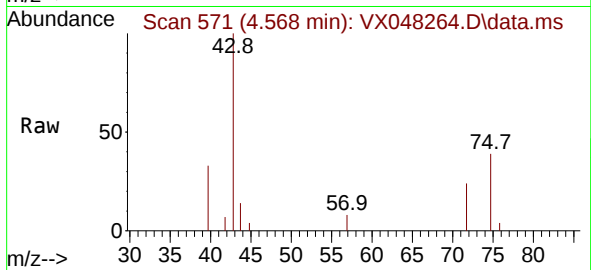




#25
2-Butanone
Concen: 7.056 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

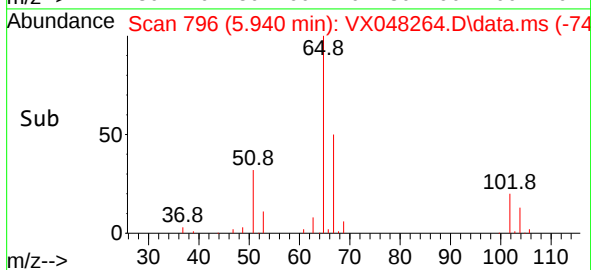
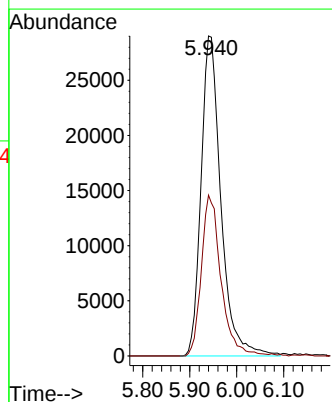
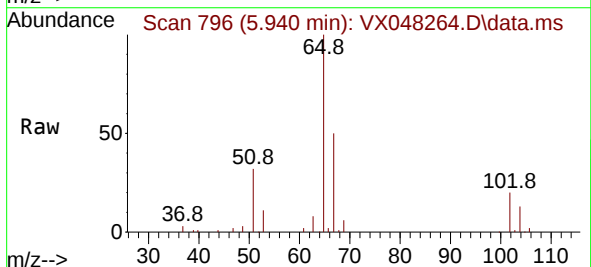
Instrument :
MSVOA_X
ClientSampleId :
MH-21

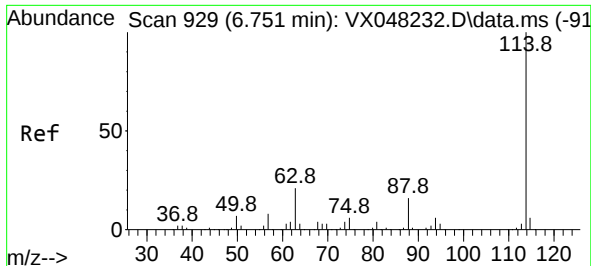
Tgt Ion: 43 Resp: 4616
Ion Ratio Lower Upper
43 100
72 20.7 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 56.594 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

Tgt Ion: 65 Resp: 85264
Ion Ratio Lower Upper
65 100
67 49.9 0.0 105.0

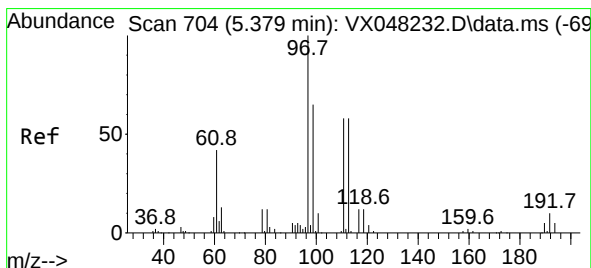
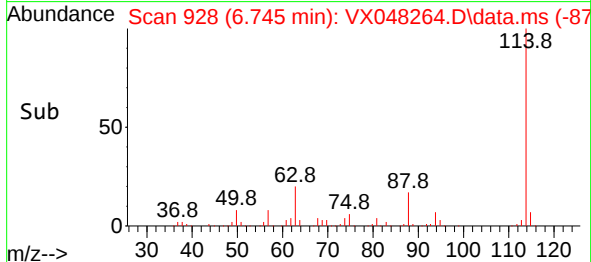
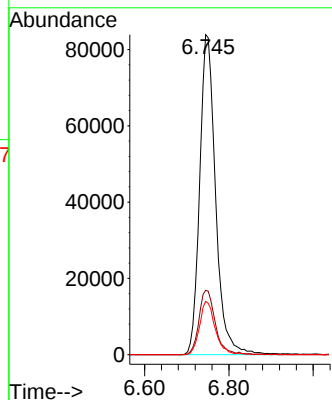
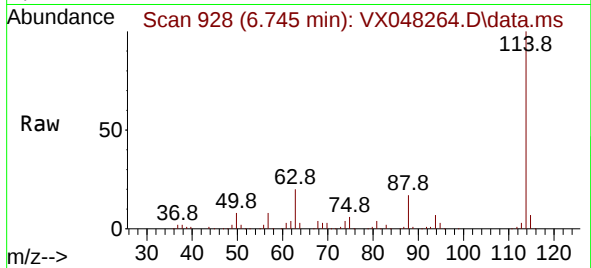




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

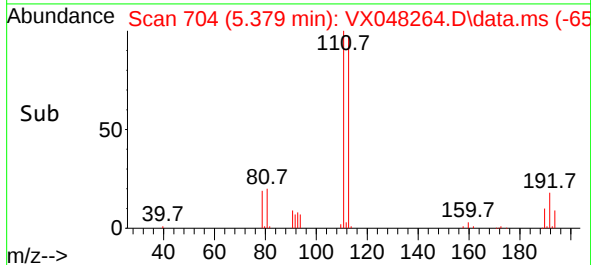
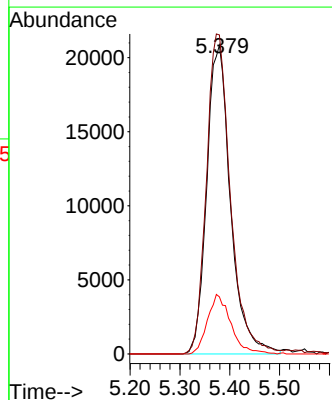
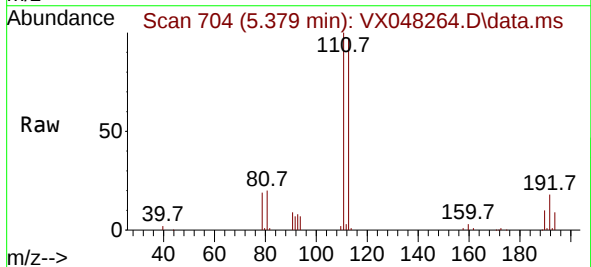
Instrument :
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ClientSampleId :
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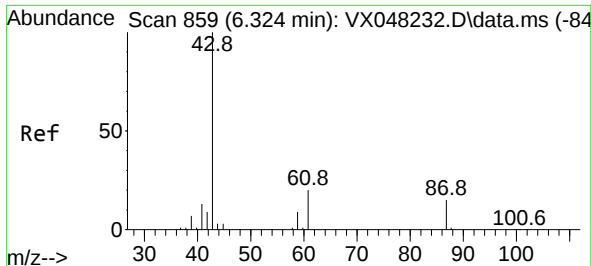
Tgt Ion:114 Resp: 220763
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.2
88 16.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 45.817 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

Tgt Ion:113 Resp: 69052
Ion Ratio Lower Upper
113 100
111 105.0 82.2 123.4
192 18.9 15.1 22.7

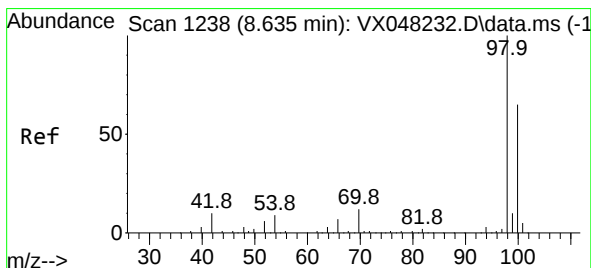
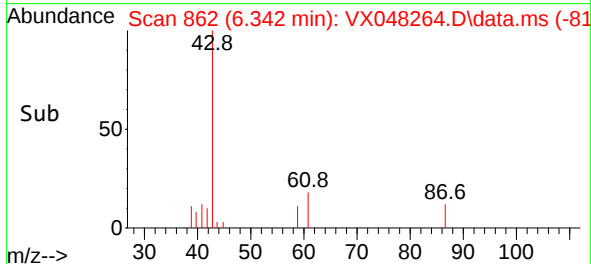
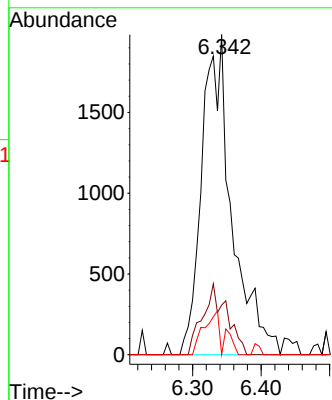
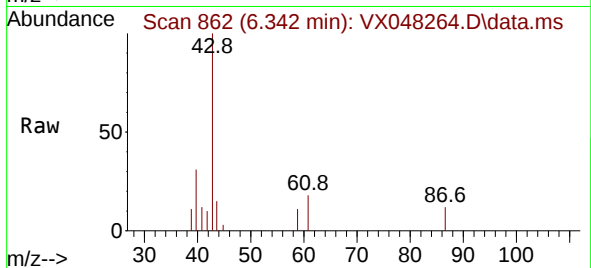




#43
Isopropyl Acetate
Concen: 2.066 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.018 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

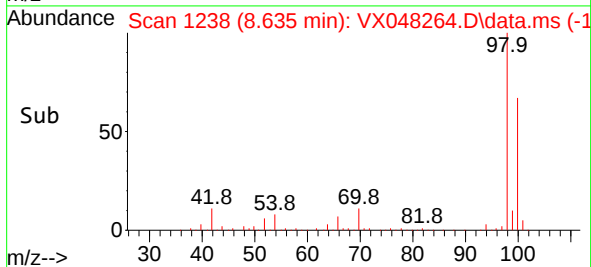
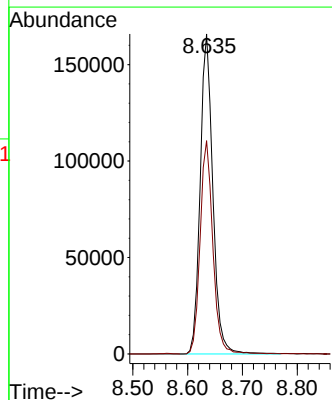
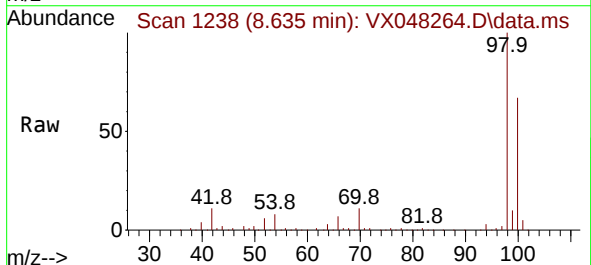
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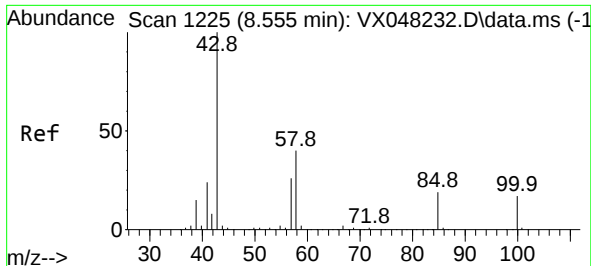
Tgt Ion: 43 Resp: 6025
Ion Ratio Lower Upper
43 100
61 17.9 14.9 22.3
87 6.9 9.4 14.2#



#50
Toluene-d8
Concen: 50.377 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

Tgt Ion: 98 Resp: 266126
Ion Ratio Lower Upper
98 100
100 67.3 53.0 79.4

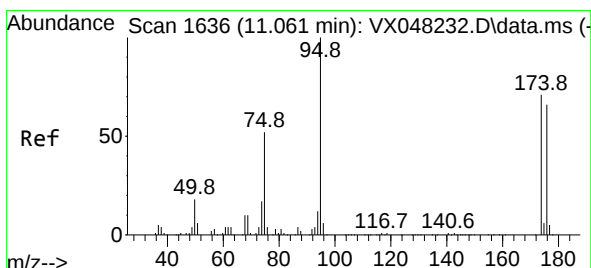
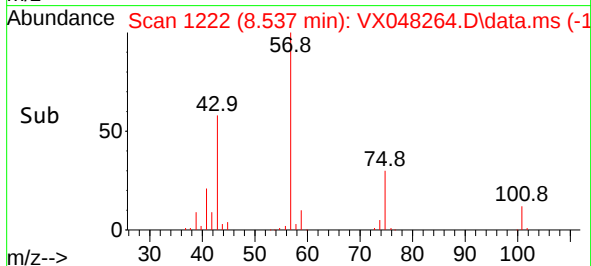
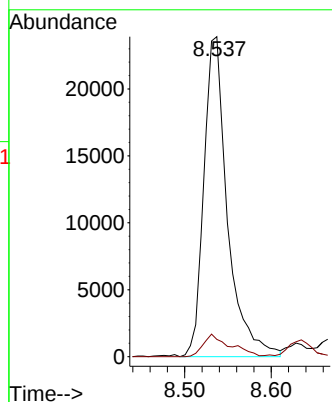
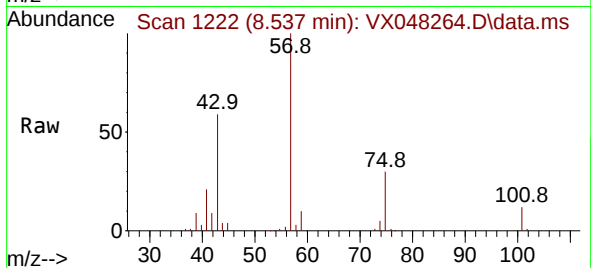




#51
4-Methyl-2-Pentanone
Concen: 26.949 ug/l
RT: 8.537 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

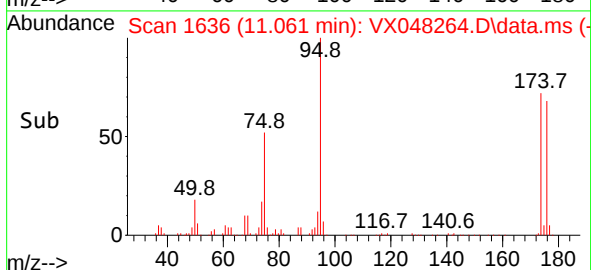
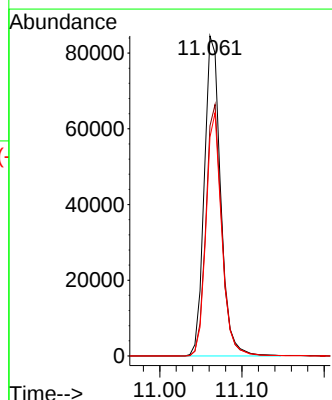
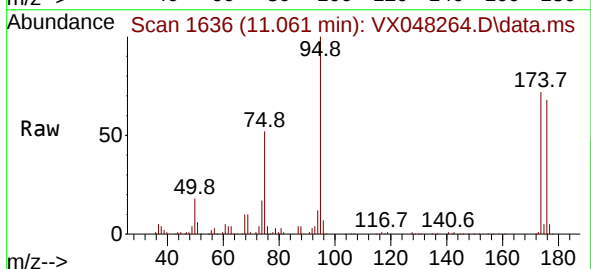
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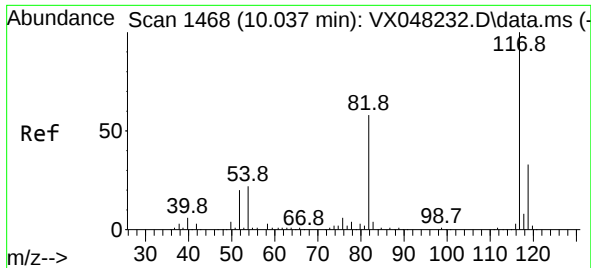
Tgt Ion: 43 Resp: 45317
Ion Ratio Lower Upper
43 100
58 8.1 29.5 44.3#



#62
4-Bromofluorobenzene
Concen: 57.780 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

Tgt Ion: 95 Resp: 116120
Ion Ratio Lower Upper
95 100
174 77.2 0.0 147.8
176 73.6 0.0 142.8

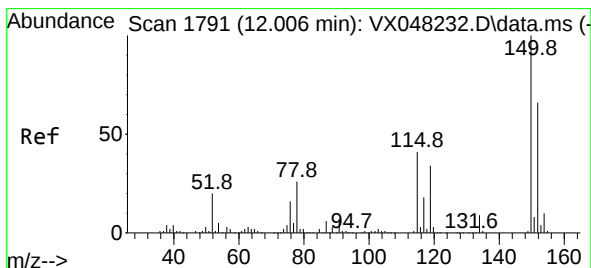
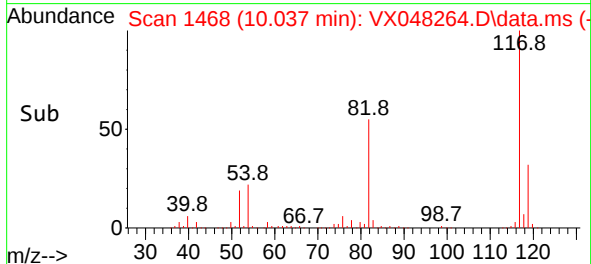
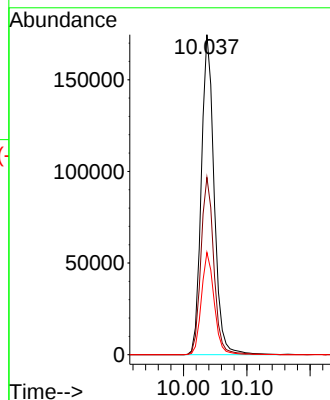
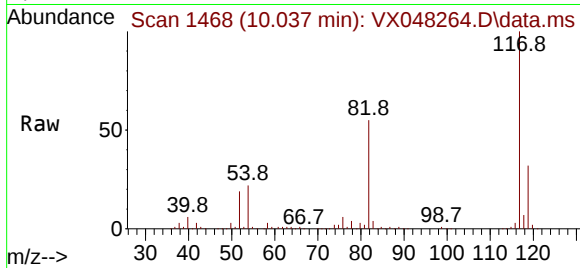




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

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Tgt Ion:117 Resp: 246808
Ion Ratio Lower Upper
117 100
82 55.4 46.5 69.7
119 31.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048264.D
Acq: 21 Oct 2025 13:19

Tgt Ion:152 Resp: 126750
Ion Ratio Lower Upper
152 100
115 60.5 43.1 129.4
150 156.3 0.0 353.0

