

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX047001.D
 Acq On : 15 Jul 2025 14:58
 Operator : JC/MD
 Sample : Q2602-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC-TANK-266380

Quant Time: Jul 16 02:27:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

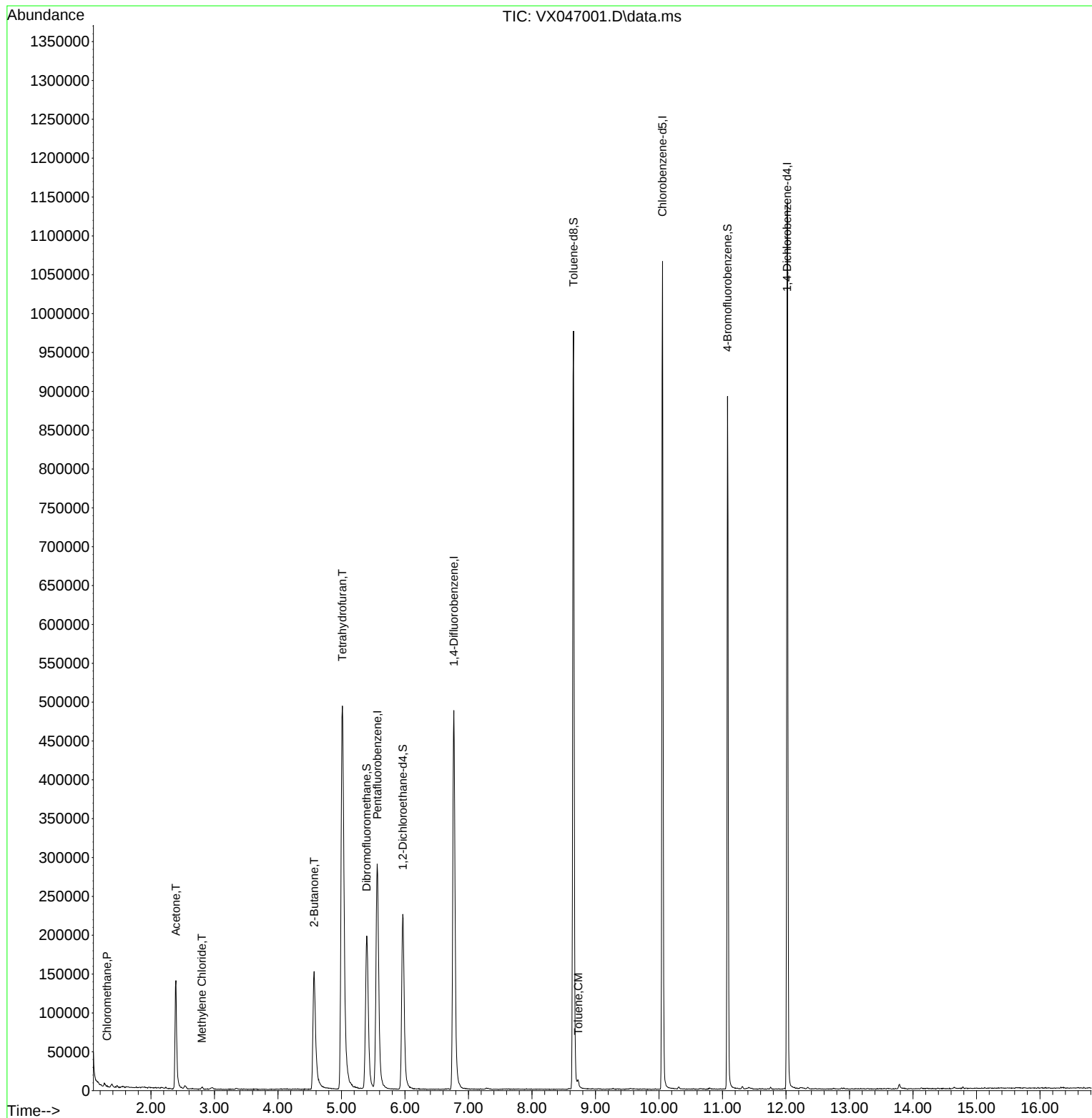
Internal Standards						
1) Pentafluorobenzene	5.562	168	289959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	525606	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	471648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	232262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	237008	61.872	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 123.740%#		
35) Dibromofluoromethane	5.397	113	185800	52.077	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.160%		
50) Toluene-d8	8.653	98	591149	46.961	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 93.920%		
62) 4-Bromofluorobenzene	11.079	95	243981	50.997	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 102.000%		
Target Compounds						
						Qvalue
3) Chloromethane	1.307	50	999	0.330	ug/l #	83
16) Acetone	2.392	43	171825	144.406	ug/l	98
20) Methylene Chloride	2.800	84	1309	0.372	ug/l #	78
25) 2-Butanone	4.568	43	296956	187.057	ug/l	98
29) Tetrahydrofuran	5.013	42	537007	530.649	ug/l	98
52) Toluene	8.726	92	3869	0.429	ug/l	98

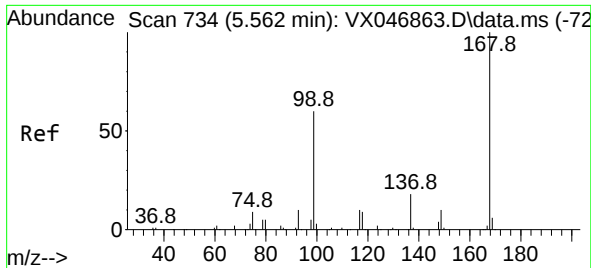
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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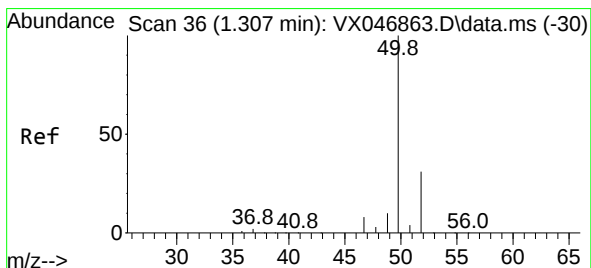
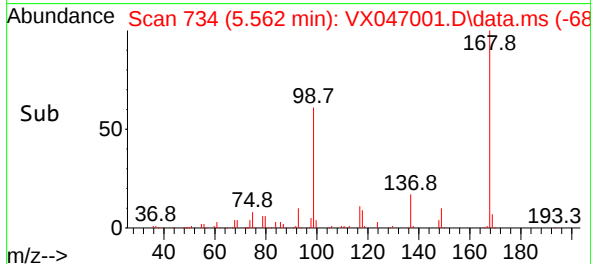
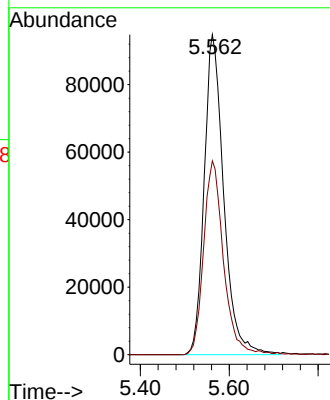
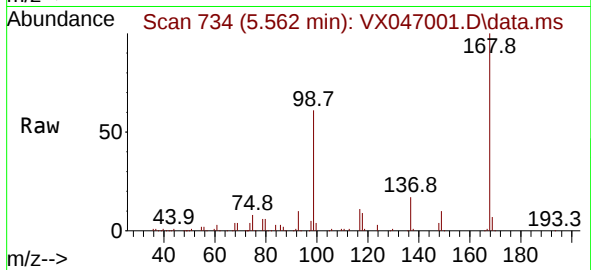




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047001.D
Acq: 15 Jul 2025 14:58

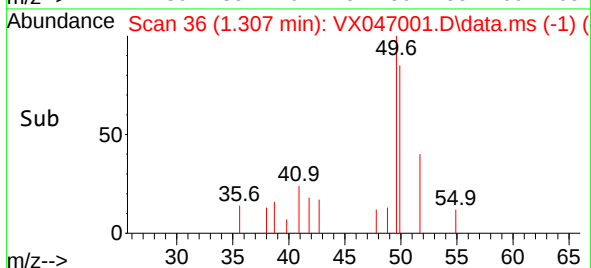
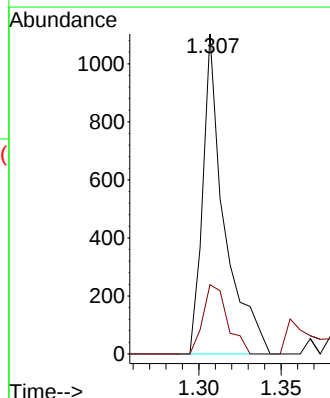
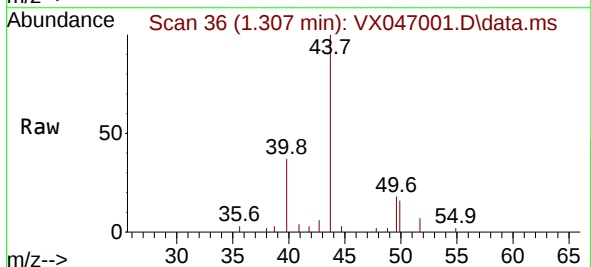
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-266380

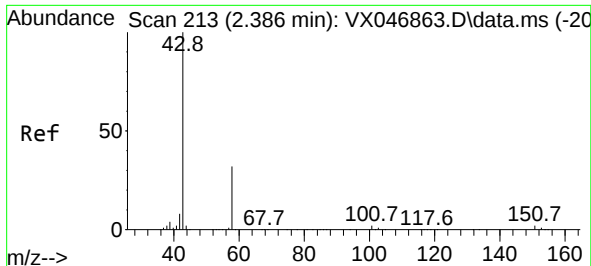
Tgt Ion:168 Resp: 289959
Ion Ratio Lower Upper
168 100
99 60.5 48.8 73.2



#3
Chloromethane
Concen: 0.330 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX047001.D
Acq: 15 Jul 2025 14:58

Tgt Ion: 50 Resp: 999
Ion Ratio Lower Upper
50 100
52 21.7 25.0 37.4#

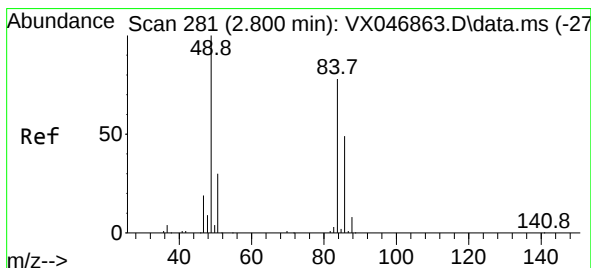
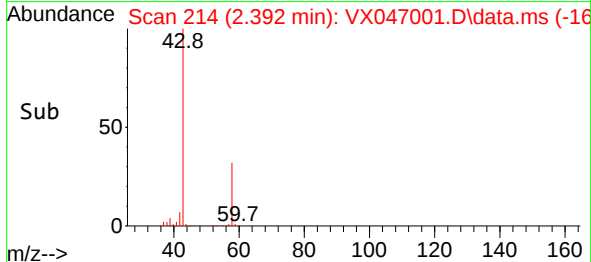
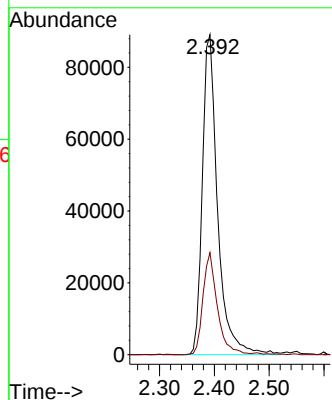
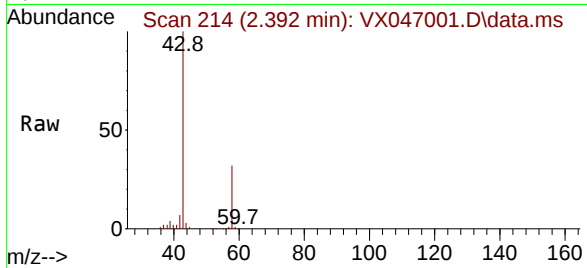




#16
Acetone
Concen: 144.406 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047001.D
Acq: 15 Jul 2025 14:58

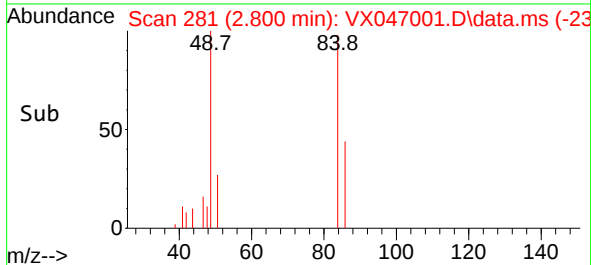
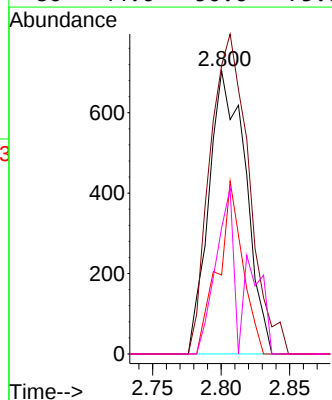
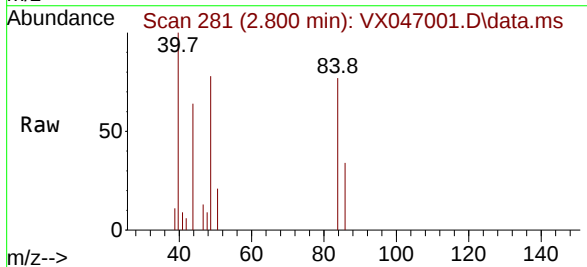
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-266380

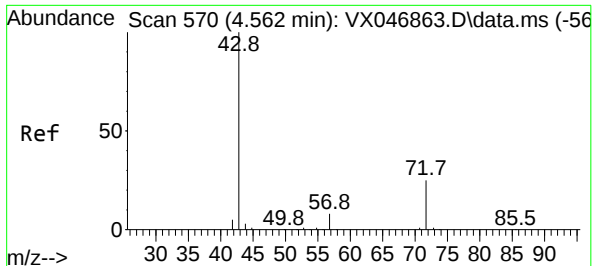
Tgt Ion: 43 Resp: 171825
Ion Ratio Lower Upper
43 100
58 31.3 25.8 38.6



#20
Methylene Chloride
Concen: 0.372 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.000 min
Lab File: VX047001.D
Acq: 15 Jul 2025 14:58

Tgt Ion: 84 Resp: 1309
Ion Ratio Lower Upper
84 100
49 102.0 102.8 154.2#
51 27.8 31.1 46.7#
86 44.6 50.6 75.8#

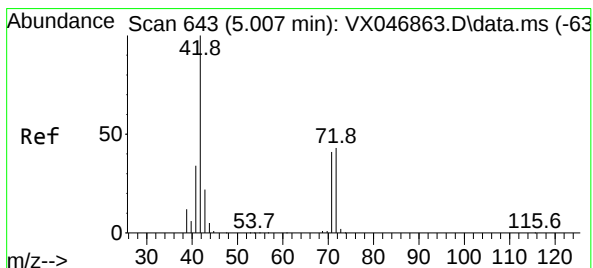
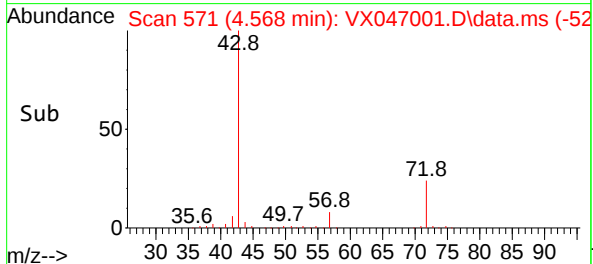
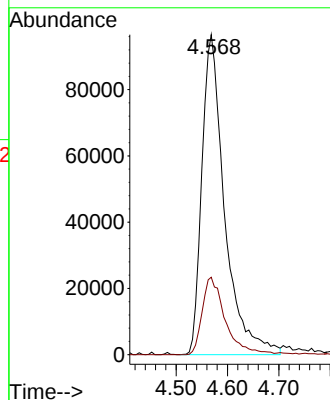
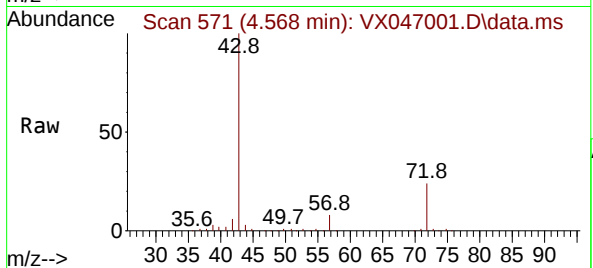




#25
2-Butanone
Concen: 187.057 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX047001.D
Acq: 15 Jul 2025 14:58

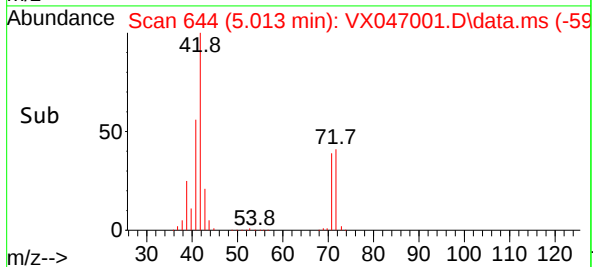
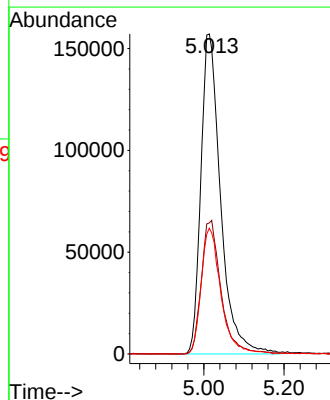
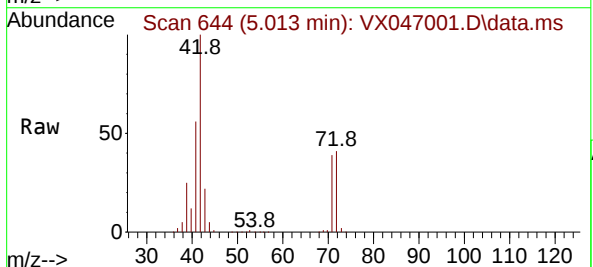
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-266380

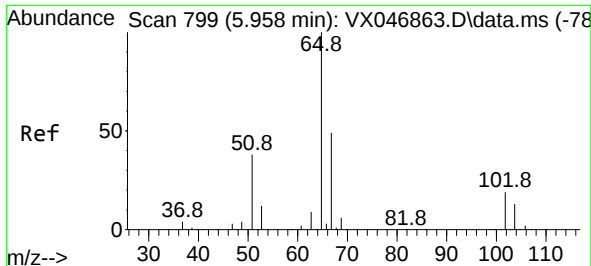
Tgt Ion: 43 Resp: 296956
Ion Ratio Lower Upper
43 100
72 24.2 20.0 30.0



#29
Tetrahydrofuran
Concen: 530.649 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.006 min
Lab File: VX047001.D
Acq: 15 Jul 2025 14:58

Tgt Ion: 42 Resp: 537007
Ion Ratio Lower Upper
42 100
72 41.9 35.1 52.7
71 39.2 31.9 47.9





#33

1,2-Dichloroethane-d4

Concen: 61.872 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX047001.D

Acq: 15 Jul 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

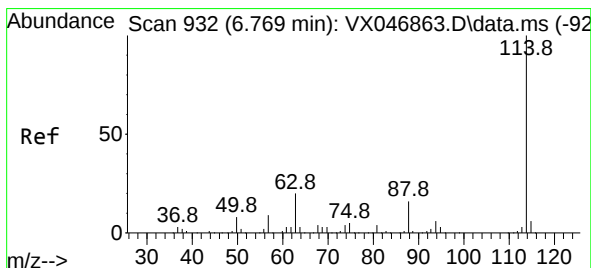
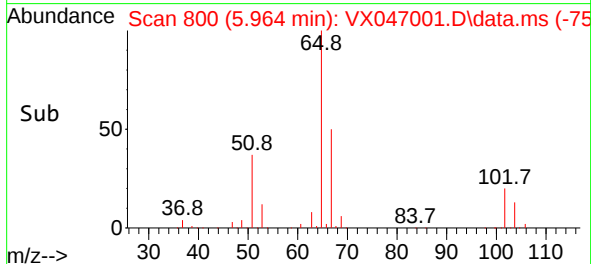
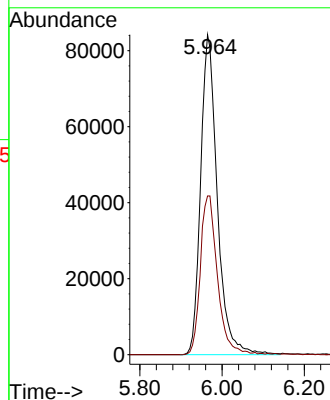
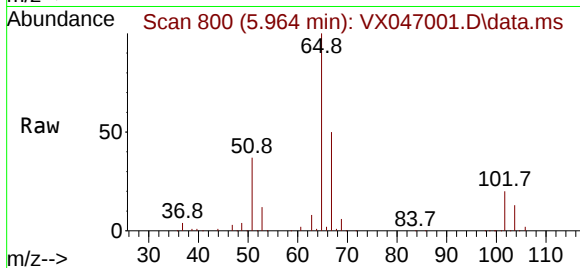
FRAC-TANK-266380

Tgt Ion: 65 Resp: 237008

Ion Ratio Lower Upper

65 100

67 51.1 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047001.D

Acq: 15 Jul 2025 14:58

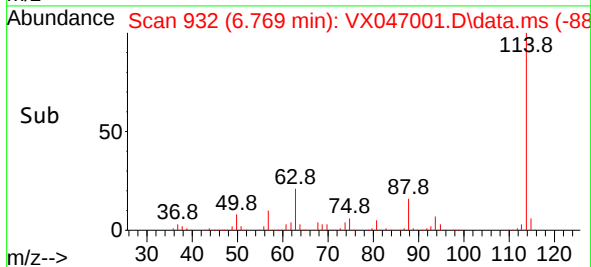
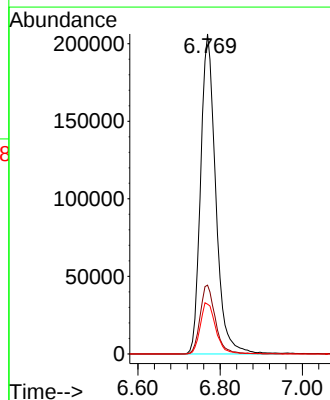
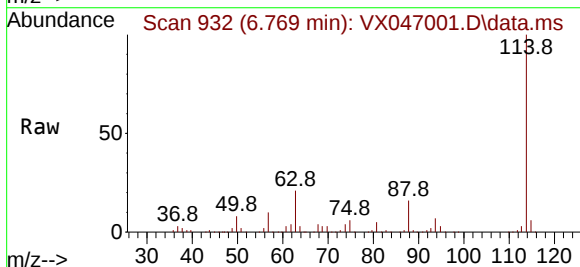
Tgt Ion: 114 Resp: 525606

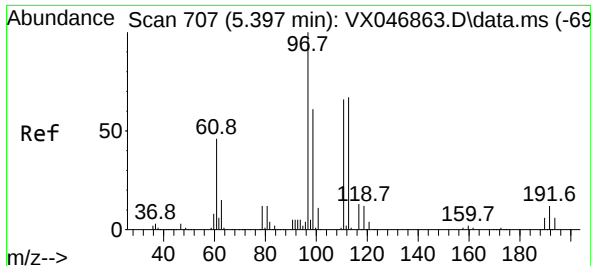
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.4

88 15.6 0.0 31.0

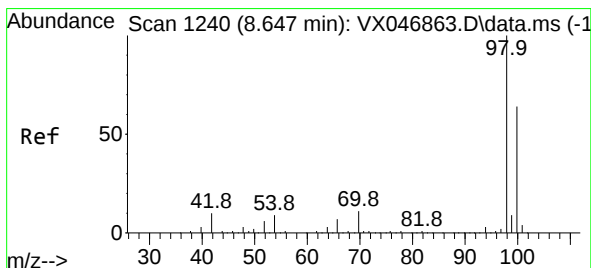
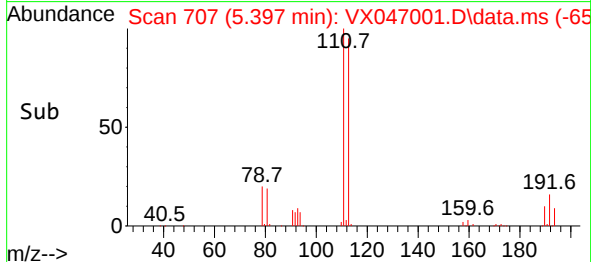
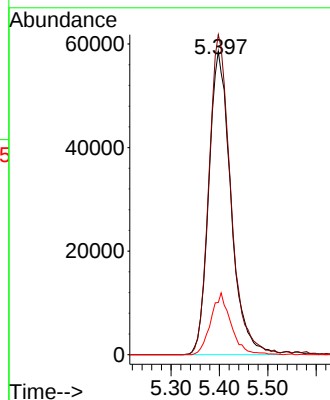
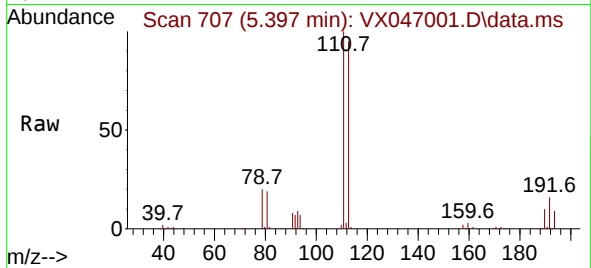




#35
Dibromofluoromethane
Concen: 52.077 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047001.D
Acq: 15 Jul 2025 14:58

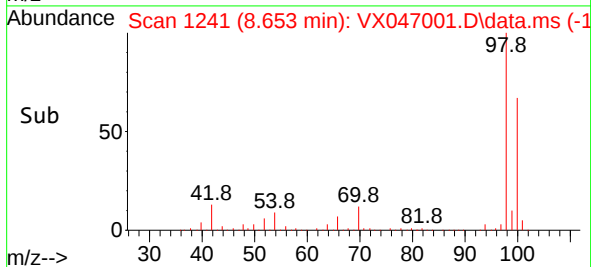
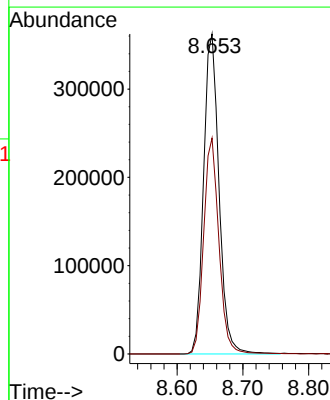
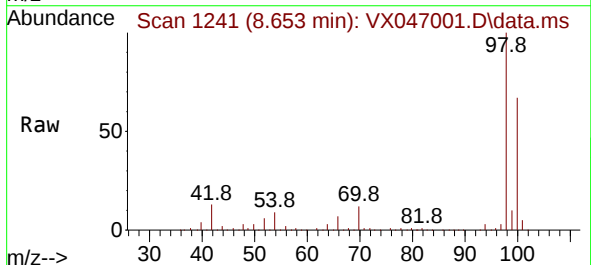
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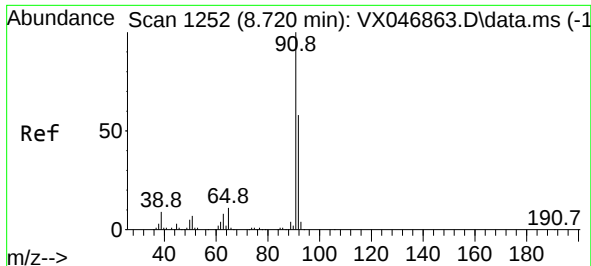
Tgt Ion:113 Resp: 185800
Ion Ratio Lower Upper
113 100
111 104.1 81.2 121.8
192 18.6 15.3 22.9



#50
Toluene-d8
Concen: 46.961 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX047001.D
Acq: 15 Jul 2025 14:58

Tgt Ion: 98 Resp: 591149
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.6

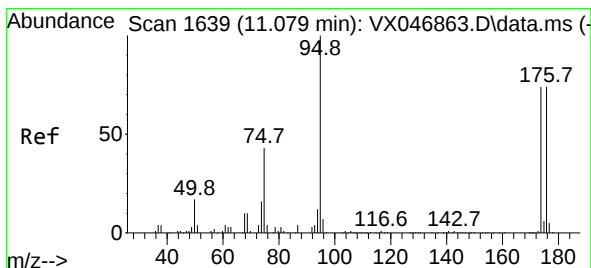
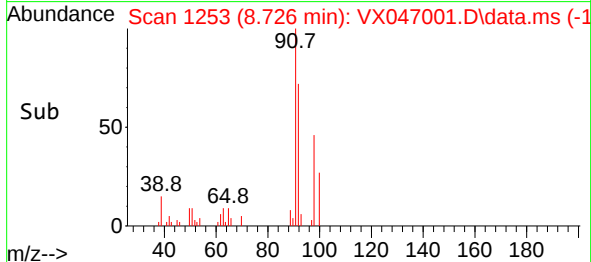
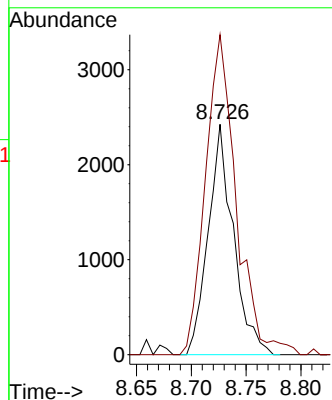
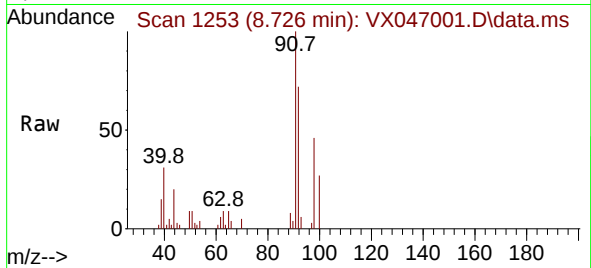




#52
Toluene
Concen: 0.429 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047001.D
Acq: 15 Jul 2025 14:58

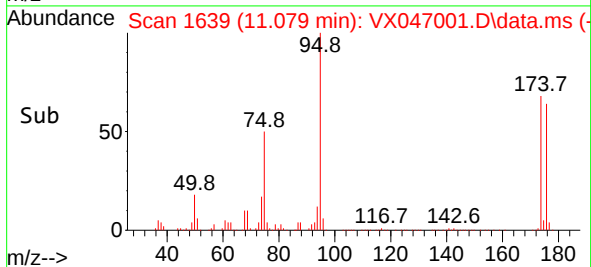
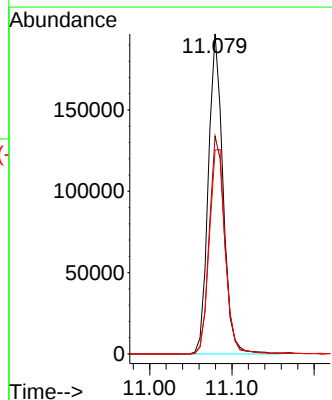
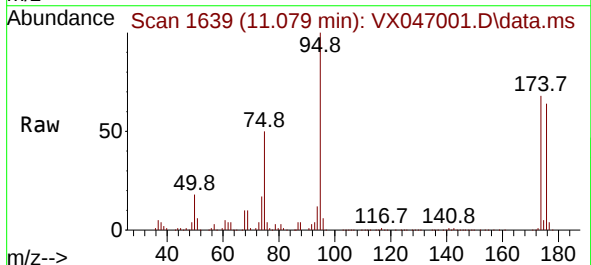
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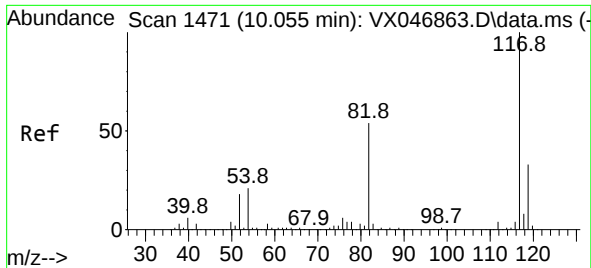
Tgt Ion: 92 Resp: 3869
Ion Ratio Lower Upper
92 100
91 170.1 137.9 206.9



#62
4-Bromofluorobenzene
Concen: 50.997 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047001.D
Acq: 15 Jul 2025 14:58

Tgt Ion: 95 Resp: 243981
Ion Ratio Lower Upper
95 100
174 71.9 0.0 152.0
176 70.4 0.0 145.2

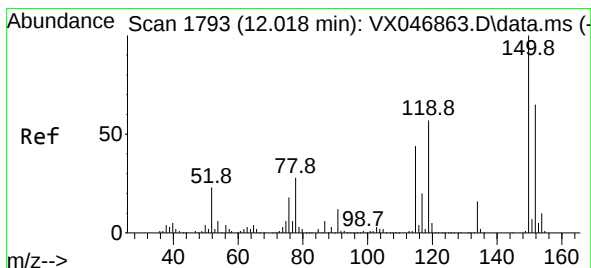
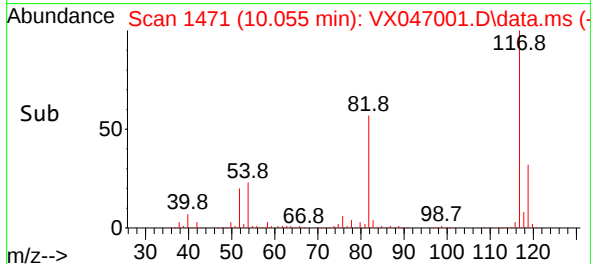
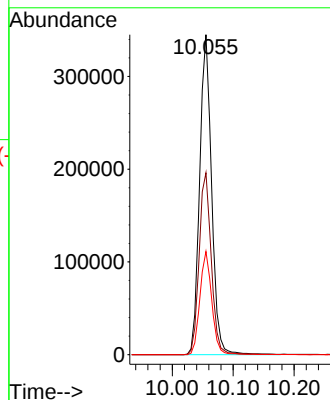
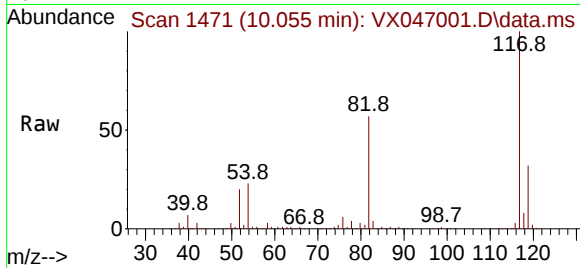




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047001.D
Acq: 15 Jul 2025 14:58

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion:117 Resp: 471648
Ion Ratio Lower Upper
117 100
82 56.8 43.3 64.9
119 32.3 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047001.D
Acq: 15 Jul 2025 14:58

Tgt Ion:152 Resp: 232262
Ion Ratio Lower Upper
152 100
115 62.0 42.4 127.1
150 158.1 0.0 349.2

