

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082925\
 Data File : VX047568.D
 Acq On : 29 Aug 2025 14:06
 Operator : JC/MD
 Sample : Q2987-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Aug 29 23:55:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

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

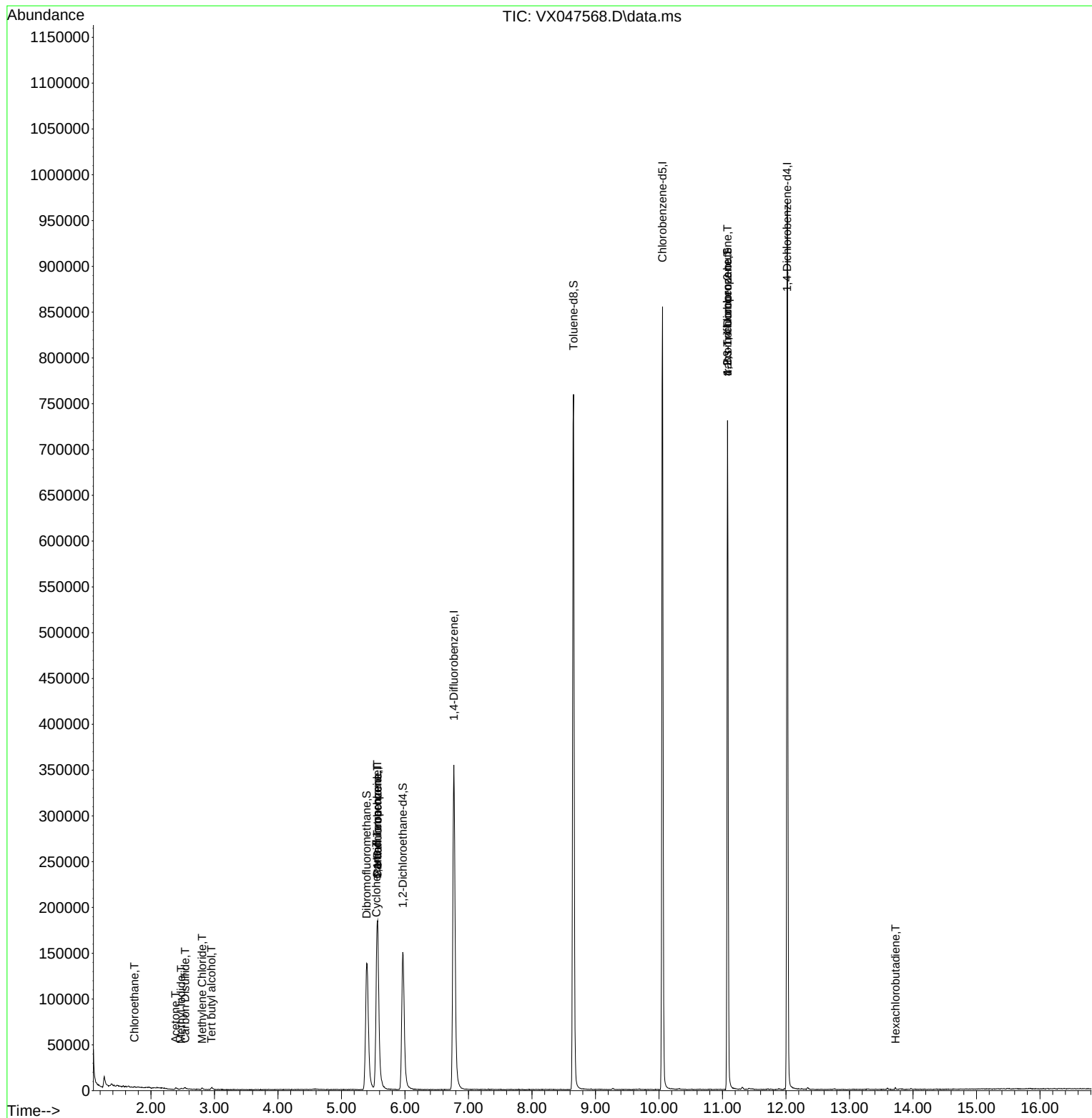
Internal Standards						
1) Pentafluorobenzene	5.568	168	187608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	380427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	383453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	160171	55.596	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.200%
35) Dibromofluoromethane	5.397	113	134511	51.516	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.040%
50) Toluene-d8	8.653	98	468747	51.218	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.440%
62) 4-Bromofluorobenzene	11.079	95	197473	57.435	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.860%
Target Compounds						Qvalue
6) Chloroethane	1.740	64	357	0.213	ug/l #	40
10) Methyl Iodide	2.477	142	2357	0.637	ug/l #	81
11) Tert butyl alcohol	2.953	59	571	2.156	ug/l #	73
16) Acetone	2.386	43	2863	2.509	ug/l #	78
17) Carbon Disulfide	2.538	76	1619	0.230	ug/l #	75
20) Methylene Chloride	2.806	84	710	0.245	ug/l #	68
31) Cyclohexane	5.550	56	4046	0.999	ug/l #	26
36) 1,1-Dichloropropene	5.562	75	15228	4.098	ug/l #	42
38) Carbon Tetrachloride	5.562	117	19383	4.701	ug/l #	14
58) 2-Chloroethyl Vinyl ether	8.214	63	46	Below Cal	#	47
76) 1,2,3-Trichloropropane	11.079	75	101515	29.016	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	101515	102.641	ug/l #	7
94) Hexachlorobutadiene	13.725	225	353	0.247	ug/l	95

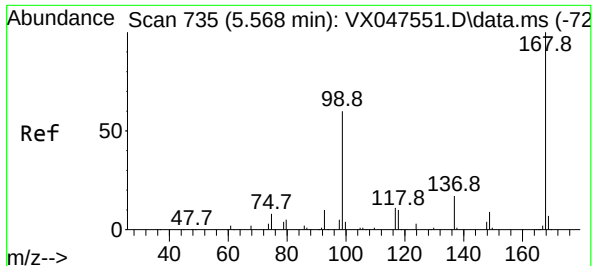
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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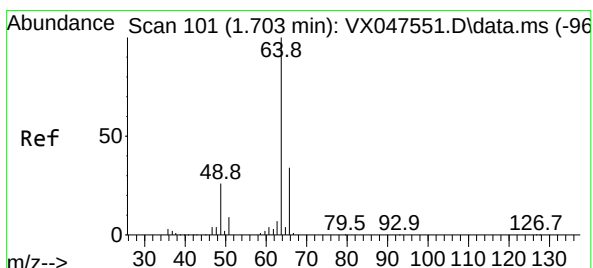
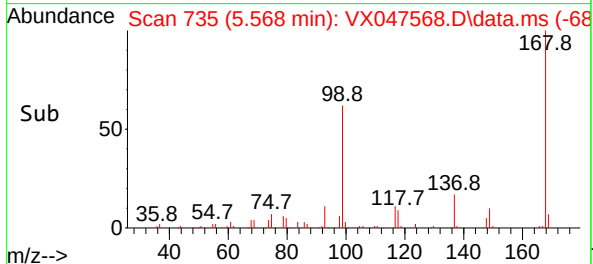
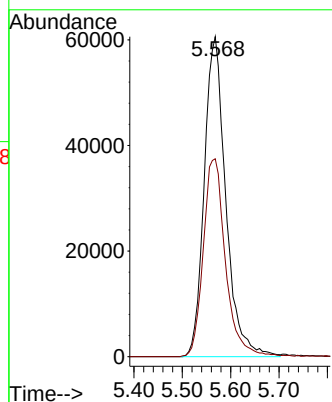
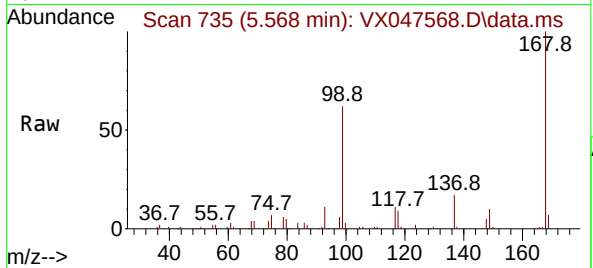




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

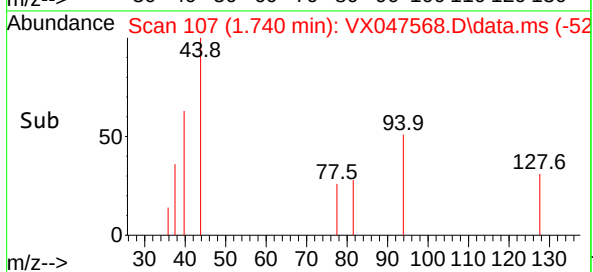
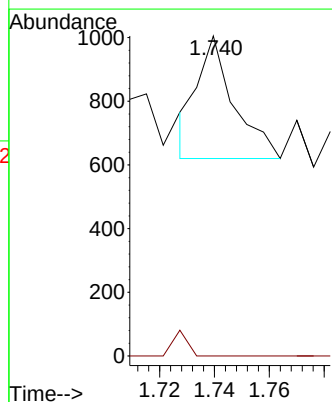
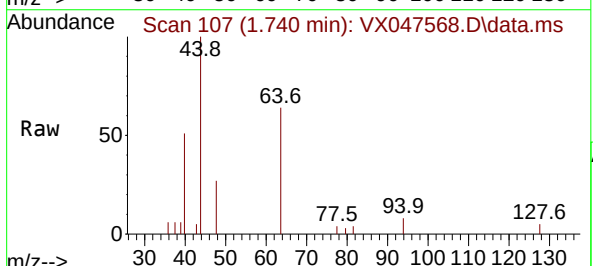
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

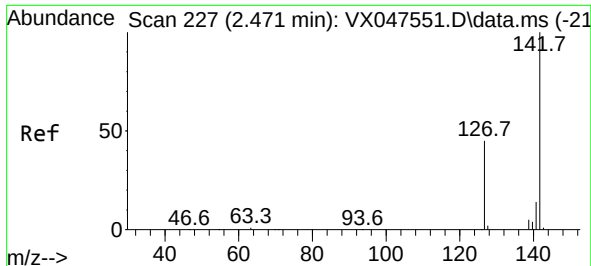
Tgt Ion:168 Resp: 187608
Ion Ratio Lower Upper
168 100
99 61.9 48.9 73.3



#6
Chloroethane
Concen: 0.213 ug/l
RT: 1.740 min Scan# 107
Delta R.T. 0.037 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

Tgt Ion: 64 Resp: 357
Ion Ratio Lower Upper
64 100
66 0.0 27.4 41.2#

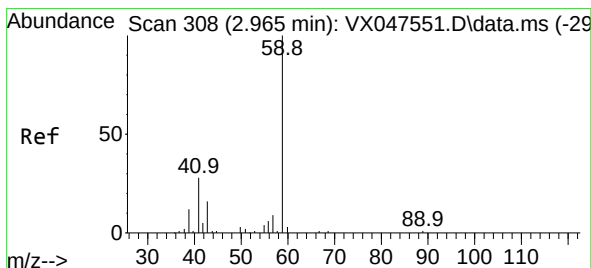
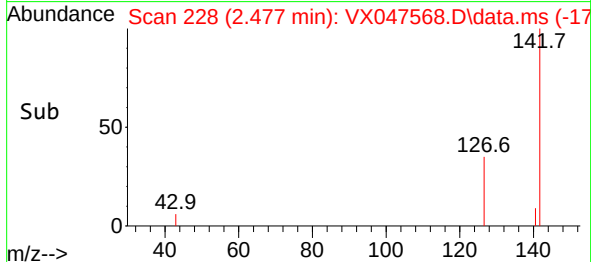
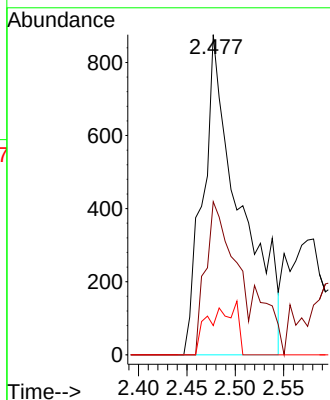
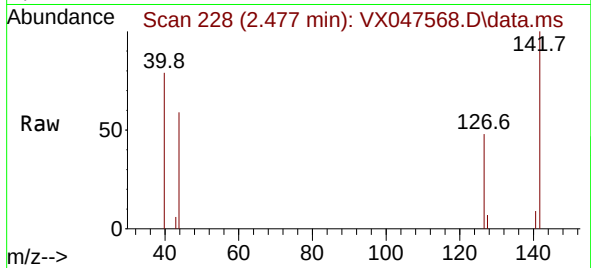




#10
Methyl Iodide
Concen: 0.637 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

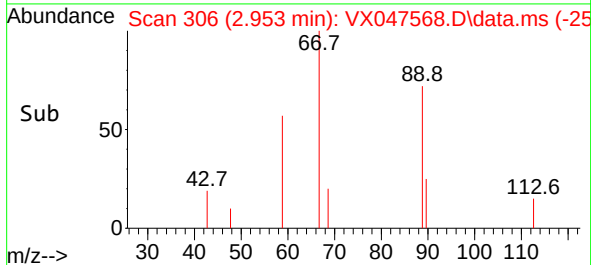
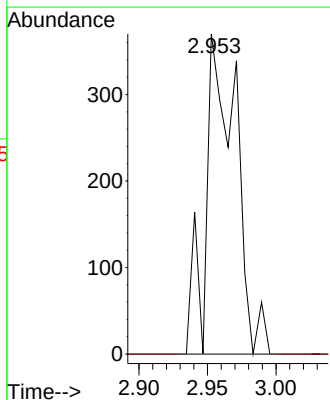
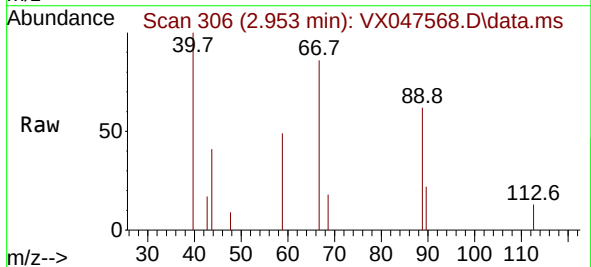
Instrument :
MSVOA_X
ClientSampleId :
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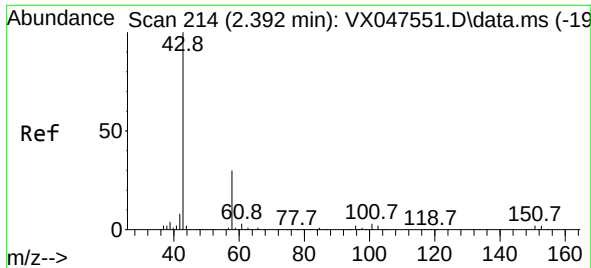
Tgt Ion:142 Resp: 2357
Ion Ratio Lower Upper
142 100
127 37.3 37.6 56.4#
141 0.0 10.6 16.0#



#11
Tert butyl alcohol
Concen: 2.156 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

Tgt Ion: 59 Resp: 571
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

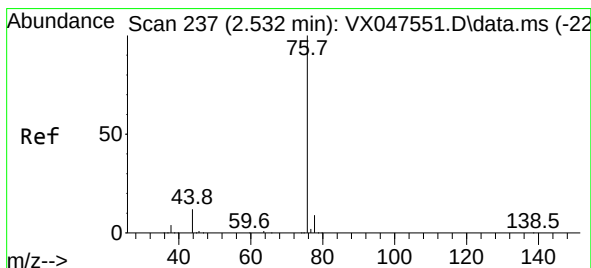
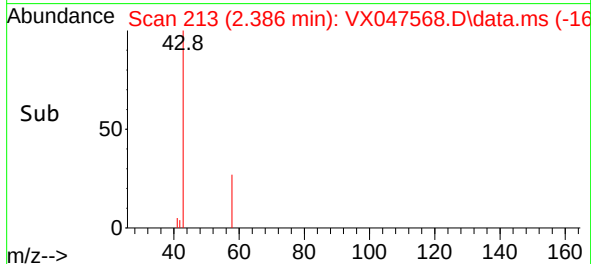
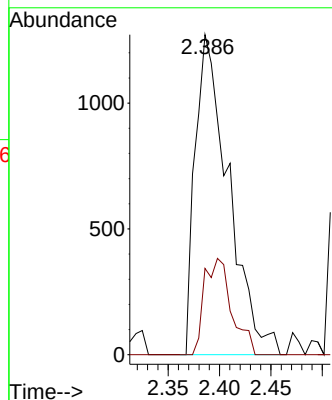
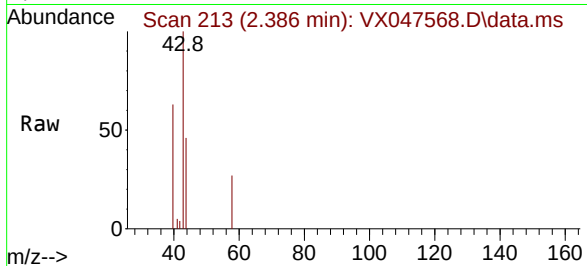




#16
Acetone
Concen: 2.509 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

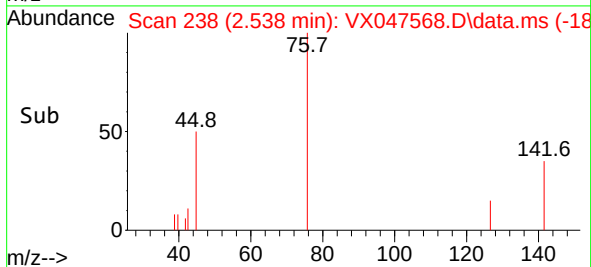
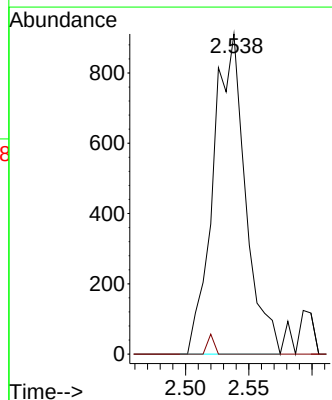
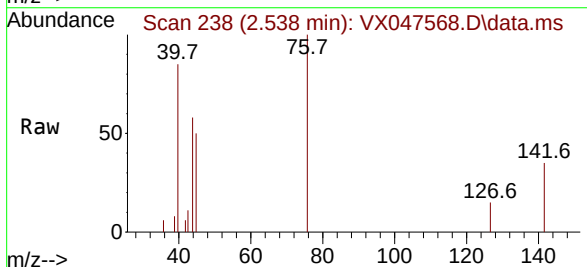
Instrument : MSVOA_X
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

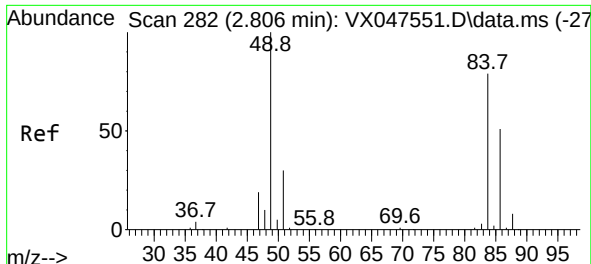
Tgt Ion: 43 Resp: 2863
Ion Ratio Lower Upper
43 100
58 18.5 24.2 36.2#



#17
Carbon Disulfide
Concen: 0.230 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

Tgt Ion: 76 Resp: 1619
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

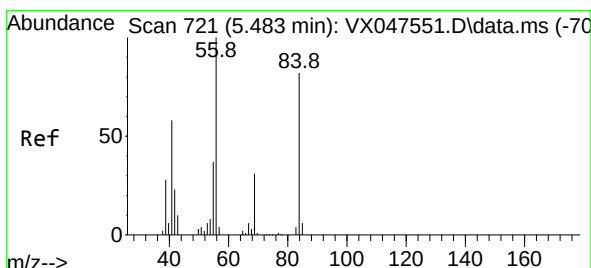
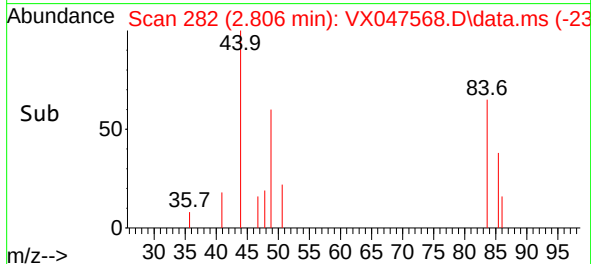
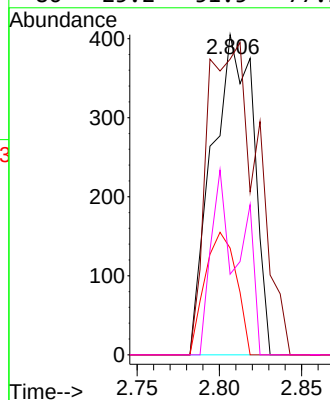
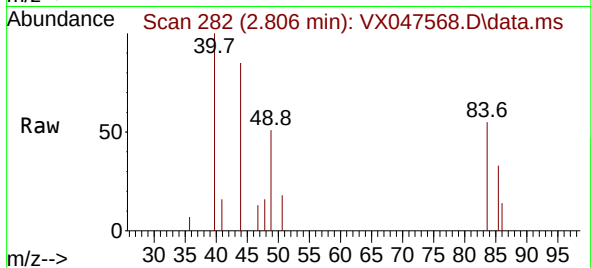




#20
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.806 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

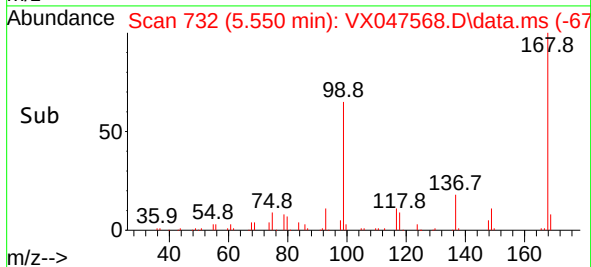
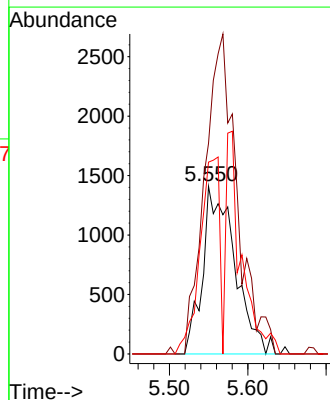
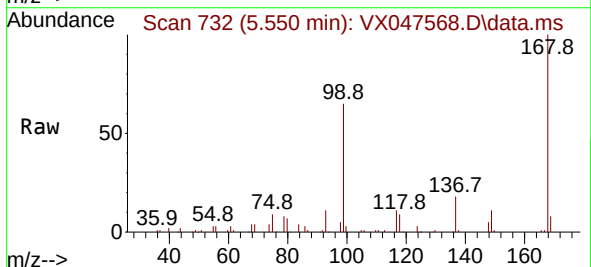
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

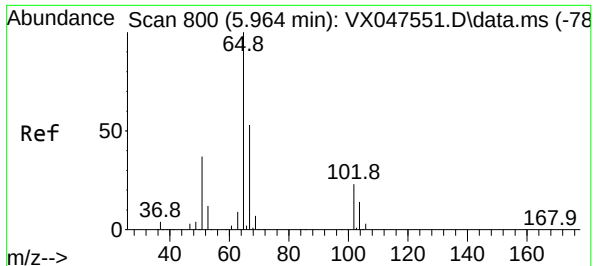
Tgt Ion:	84	Resp:	710
Ion	Ratio	Lower	Upper
84	100		
49	92.3	101.4	152.2#
51	33.3	30.6	46.0
86	25.2	51.5	77.3#



#31
Cyclohexane
Concen: 0.999 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.067 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

Tgt Ion:	56	Resp:	4046
Ion	Ratio	Lower	Upper
56	100		
69	125.6	24.2	36.2#
84	114.4	65.5	98.3#





#33

1,2-Dichloroethane-d4

Concen: 55.596 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX047568.D

Acq: 29 Aug 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

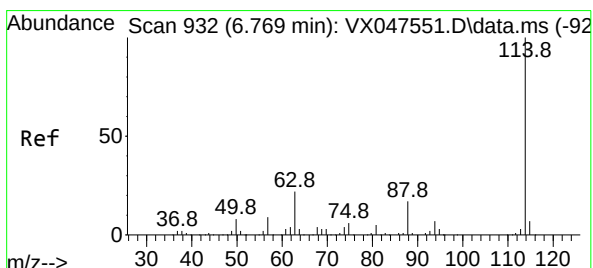
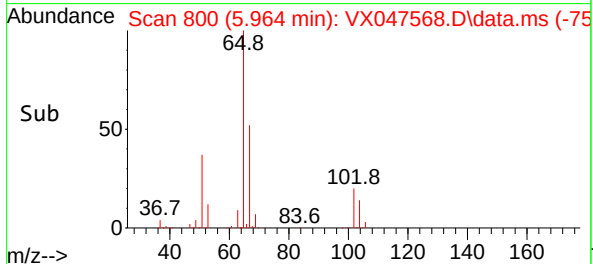
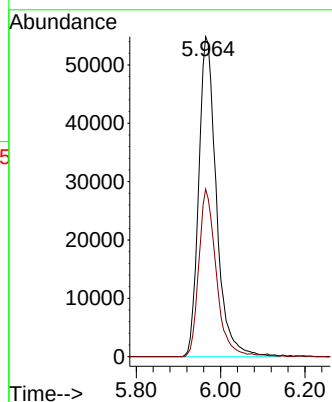
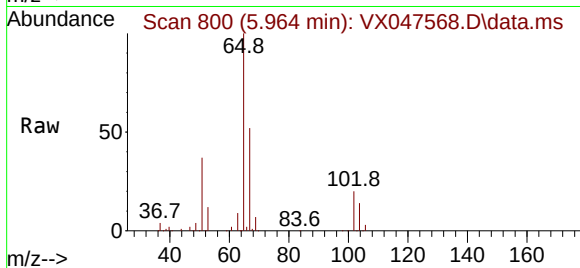
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 65 Resp: 160171

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047568.D

Acq: 29 Aug 2025 14:06

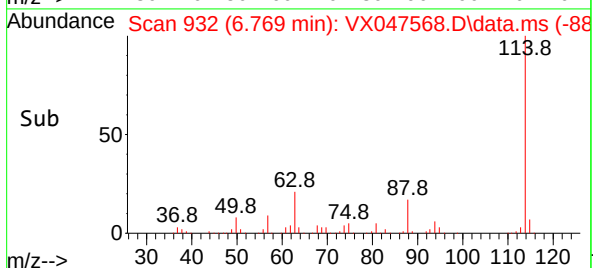
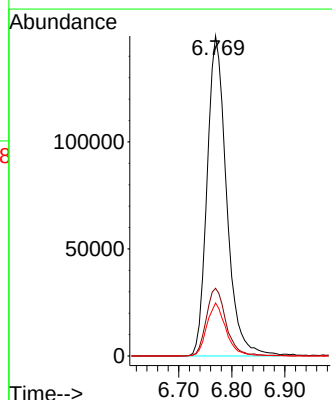
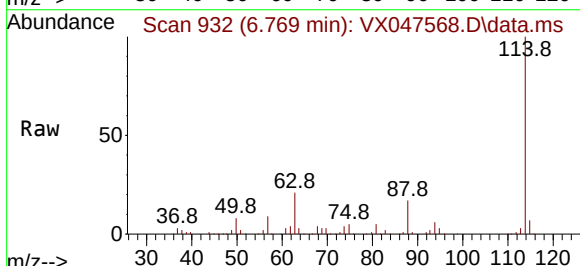
Tgt Ion: 114 Resp: 380427

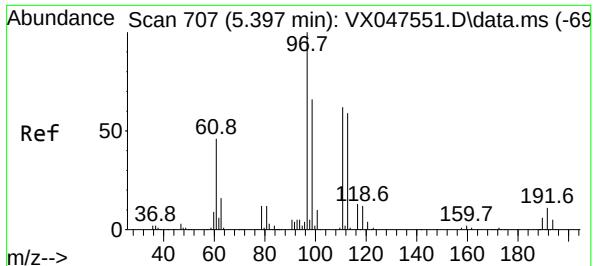
Ion Ratio Lower Upper

114 100

63 24.0 0.0 43.6

88 16.6 0.0 33.2

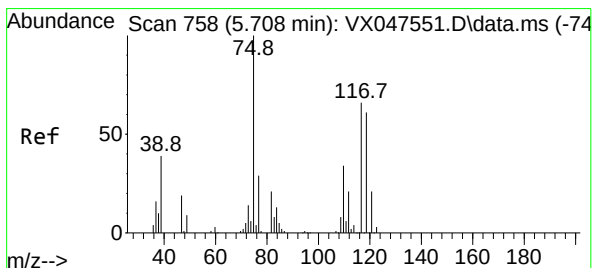
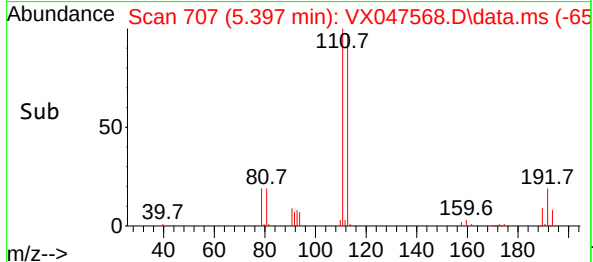
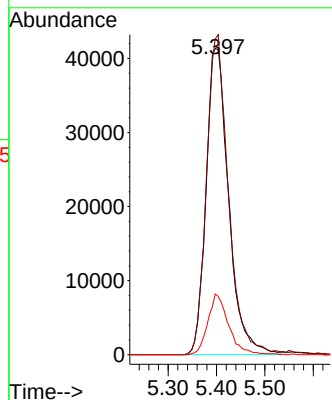
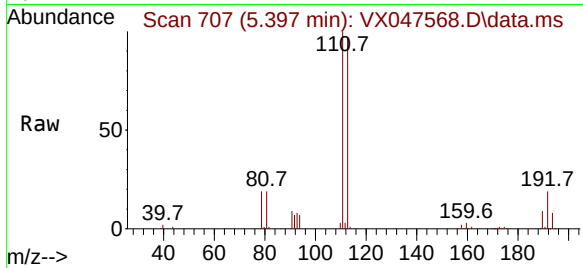




#35
Dibromofluoromethane
Concen: 51.516 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

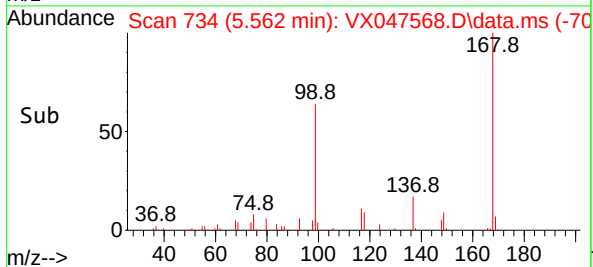
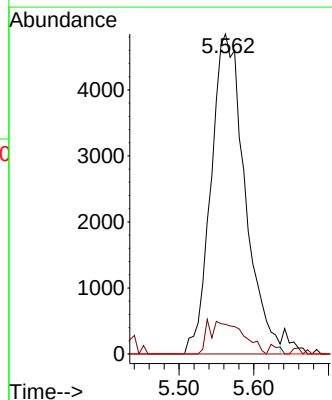
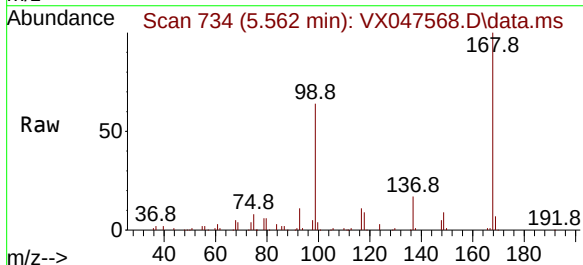
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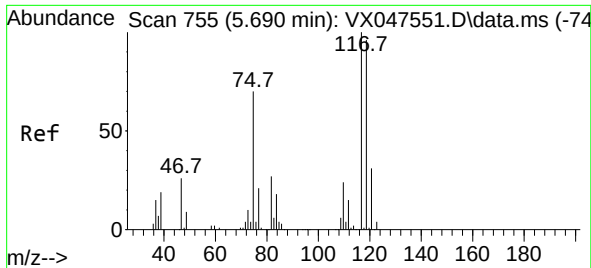
Tgt Ion:113 Resp: 134511
Ion Ratio Lower Upper
113 100
111 101.8 81.2 121.8
192 18.2 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.098 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

Tgt Ion: 75 Resp: 15228
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.3#
77 0.0 25.0 37.6#

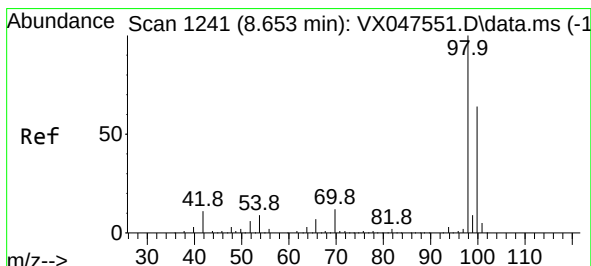
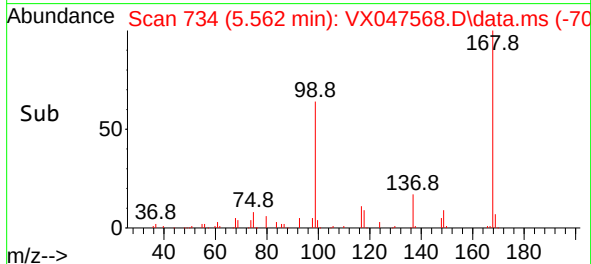
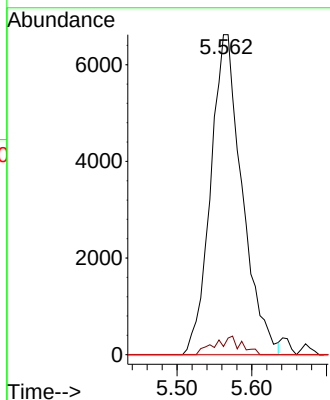
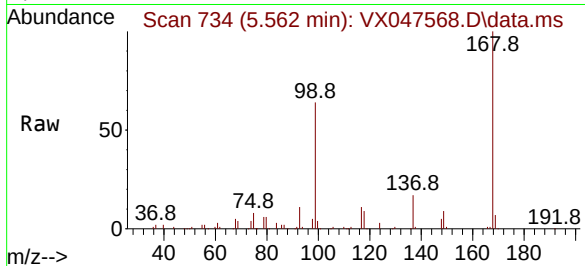




#38
Carbon Tetrachloride
Concen: 4.701 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

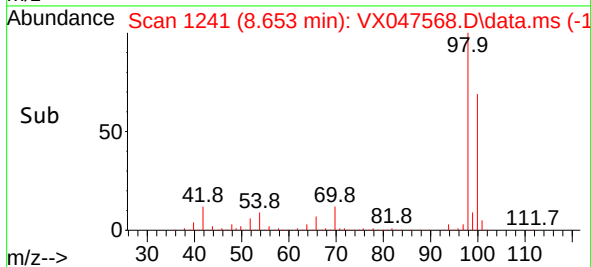
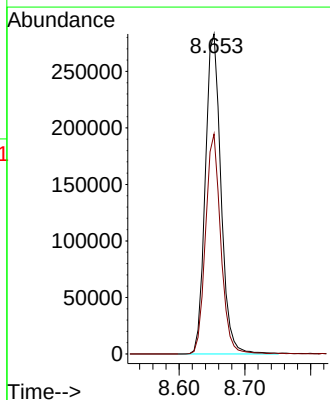
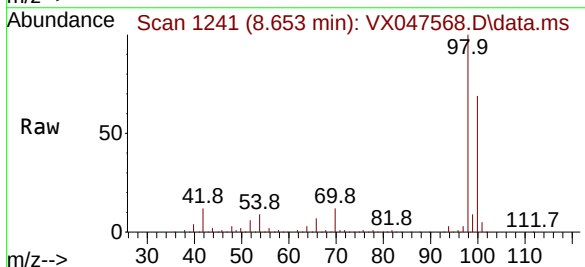
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

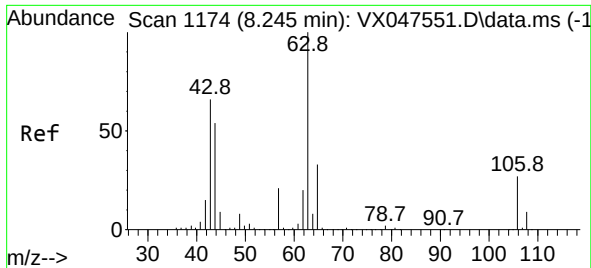
Tgt Ion:117 Resp: 19383
Ion Ratio Lower Upper
117 100
119 2.5 76.4 114.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 51.218 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

Tgt Ion: 98 Resp: 468747
Ion Ratio Lower Upper
98 100
100 66.8 53.5 80.3

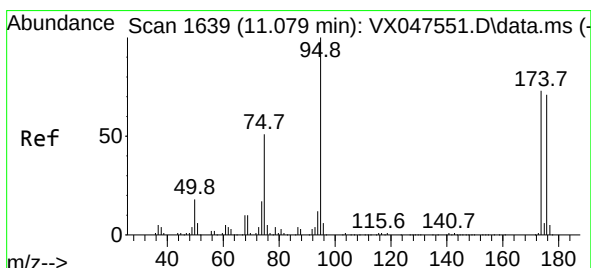
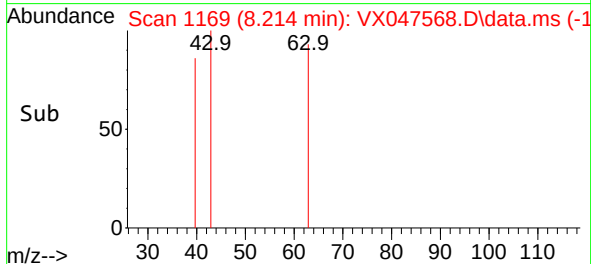
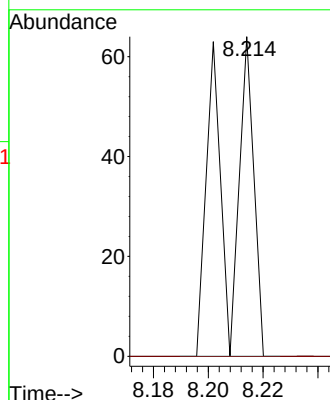
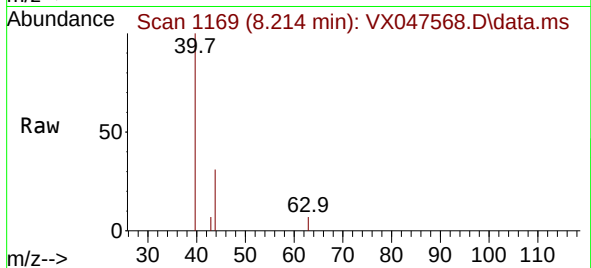




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 8.214 min Scan# 1174
Delta R.T. -0.031 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

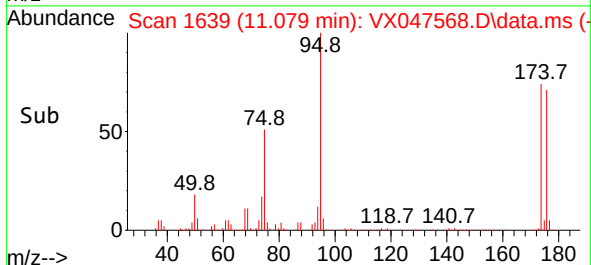
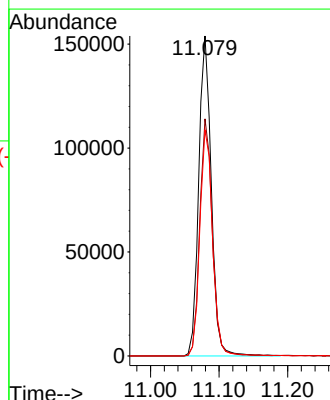
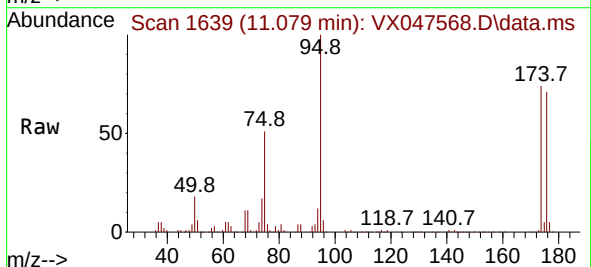
Instrument : MSVOA_X
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

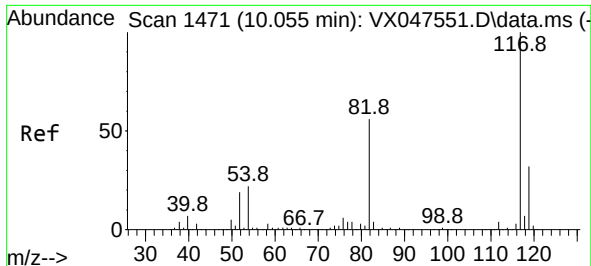
Tgt Ion: 63 Resp: 46
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.4#



#62
4-Bromofluorobenzene
Concen: 57.435 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

Tgt Ion: 95 Resp: 197473
Ion Ratio Lower Upper
95 100
174 73.8 0.0 145.2
176 71.6 0.0 140.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

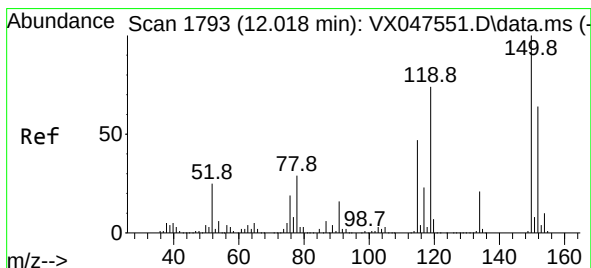
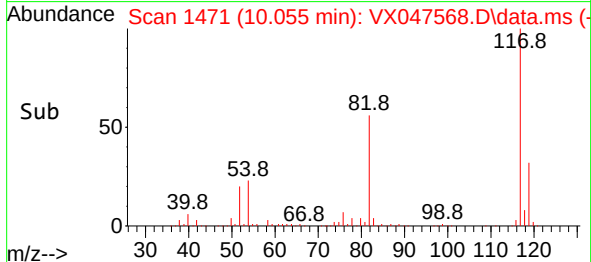
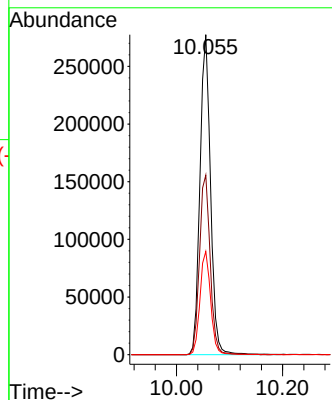
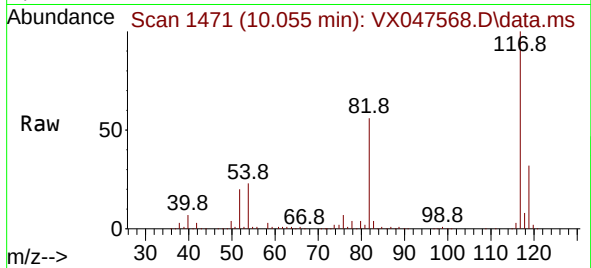
Instrument :

MSVOA_X

ClientSampleId :

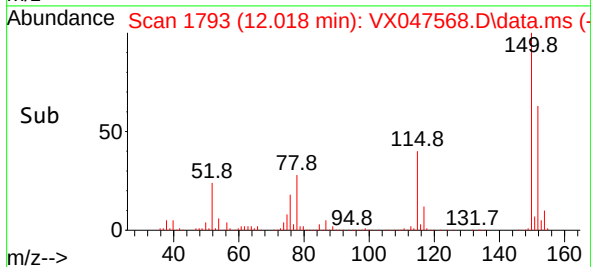
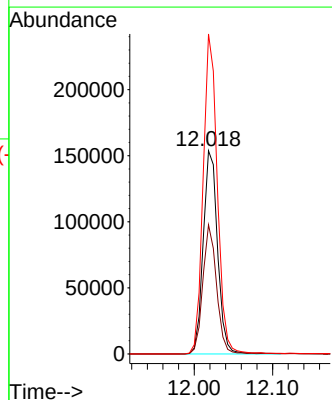
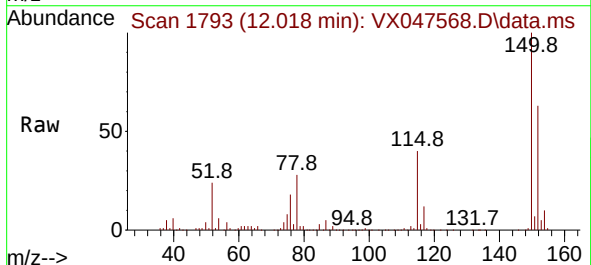
STORAGE-BLANK-SAMPLE-MANAGEMENT

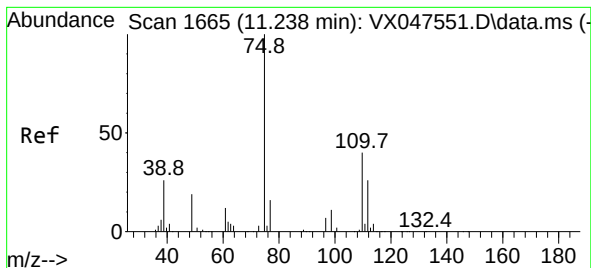
Tgt Ion:117 Resp: 383453
Ion Ratio Lower Upper
117 100
82 56.1 44.6 66.8
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047568.D
Acq: 29 Aug 2025 14:06

Tgt Ion:152 Resp: 196025
Ion Ratio Lower Upper
152 100
115 60.7 42.9 128.5
150 155.0 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 29.016 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX047568.D

Acq: 29 Aug 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

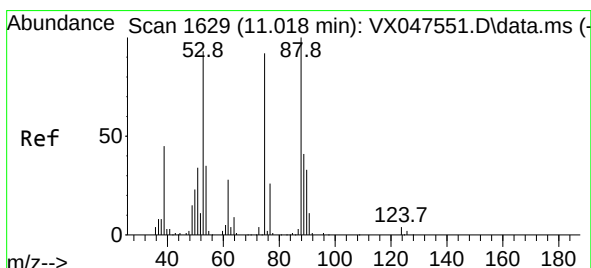
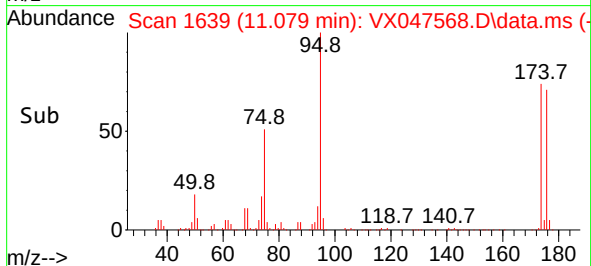
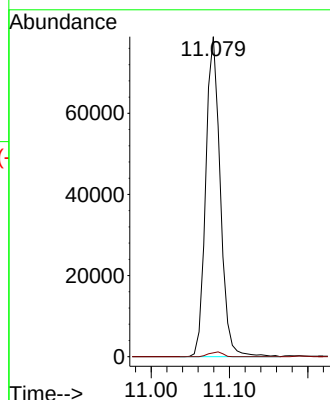
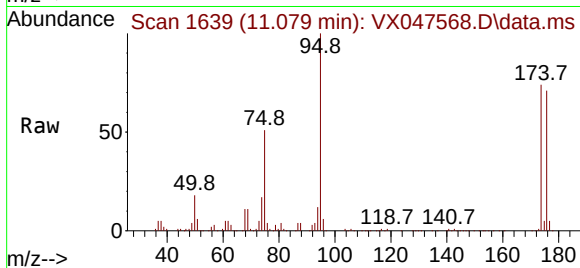
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 75 Resp: 101515

Ion Ratio Lower Upper

75 100

77 1.4 19.7 59.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.641 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047568.D

Acq: 29 Aug 2025 14:06

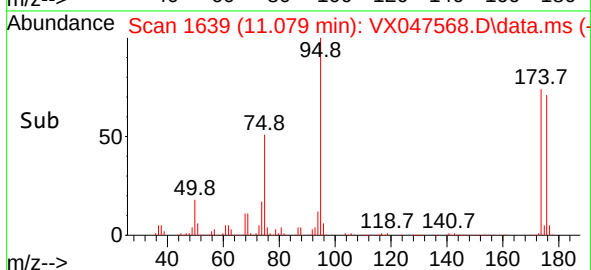
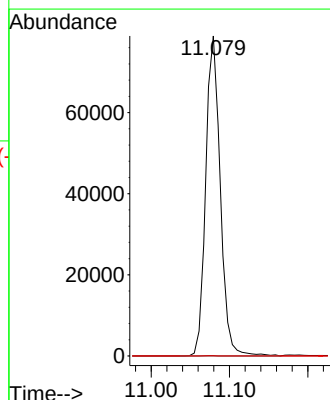
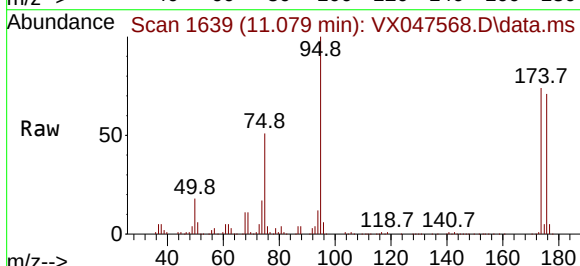
Tgt Ion: 75 Resp: 101515

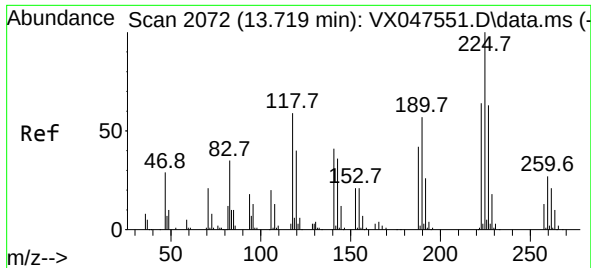
Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 36.4 54.6#





#94
 Hexachlorobutadiene
 Concen: 0.247 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.006 min
 Lab File: VX047568.D
 Acq: 29 Aug 2025 14:06

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion:	225	Resp:	353
Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.1	93.5
227	56.4	31.8	95.3

