

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047289.D
 Acq On : 12 Aug 2025 12:22
 Operator : JC/MD
 Sample : Q2812-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Aug 13 01:18:30 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)

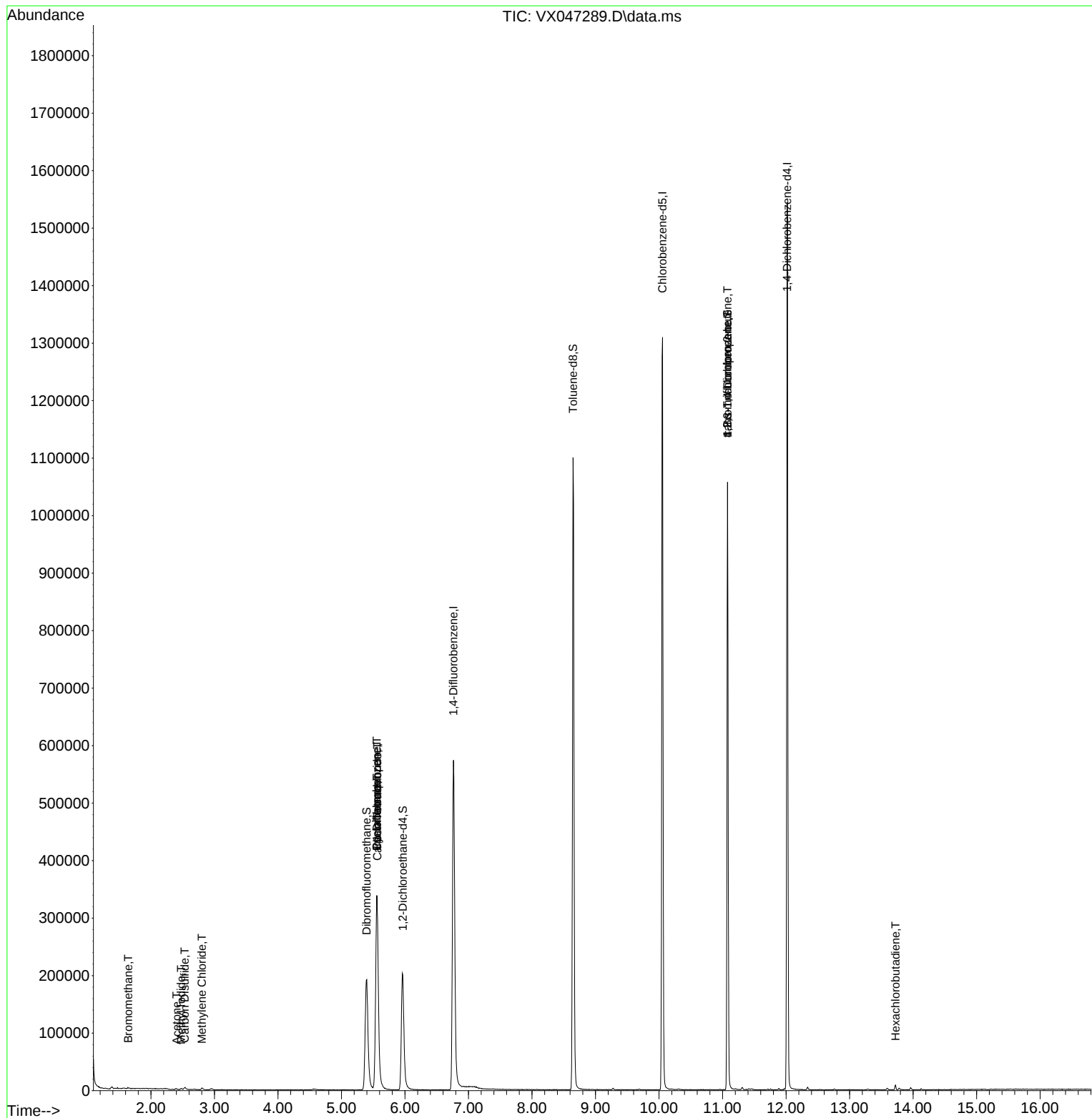
Internal Standards						
1) Pentafluorobenzene	5.556	168	333831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	624193	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	598203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	297055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	217571	52.320	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.640%			
35) Dibromofluoromethane	5.397	113	186606	48.419	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.840%			
50) Toluene-d8	8.647	98	671382	53.792	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.580%			
62) 4-Bromofluorobenzene	11.079	95	282793	52.577	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.160%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	596	0.233	ug/l #	71
10) Methyl Iodide	2.477	142	2765	0.641	ug/l #	94
11) Tert butyl alcohol	2.953	59	678	Below Cal	#	79
16) Acetone	2.404	43	2479	1.488	ug/l #	71
17) Carbon Disulfide	2.532	76	3695	0.304	ug/l #	76
20) Methylene Chloride	2.800	84	1280	0.279	ug/l	90
31) Cyclohexane	5.556	56	7164	0.922	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	27893	4.246	ug/l #	51
38) Carbon Tetrachloride	5.562	117	35920	5.123	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	145337	26.433	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	145337	68.102	ug/l #	8
94) Hexachlorobutadiene	13.725	225	1179	0.514	ug/l	91

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

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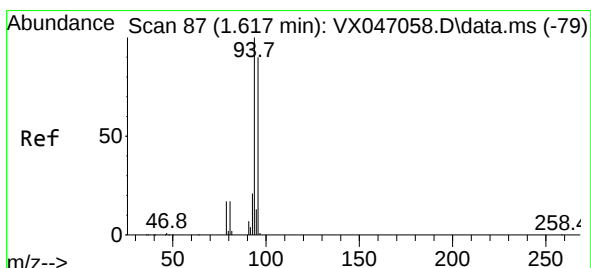
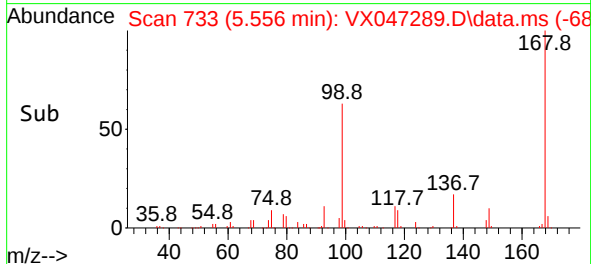
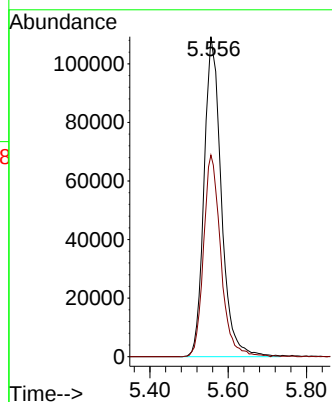
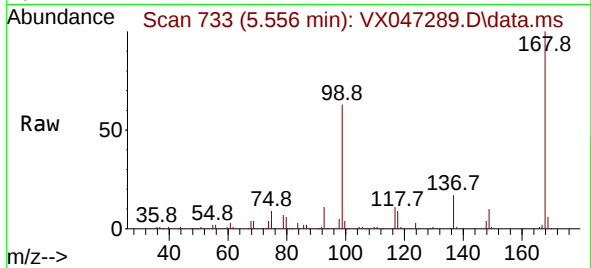




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047289.D
Acq: 12 Aug 2025 12:22

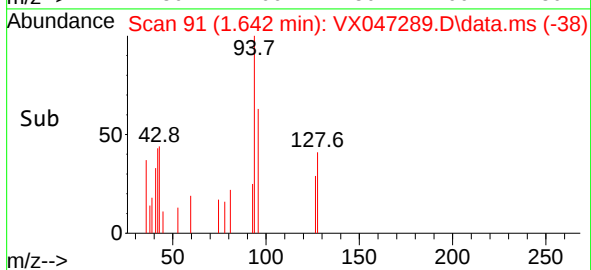
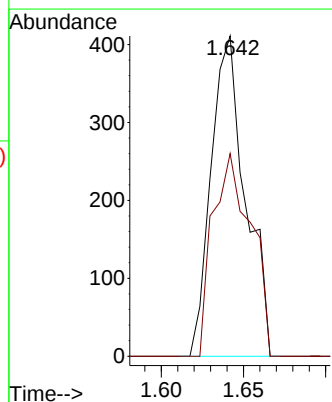
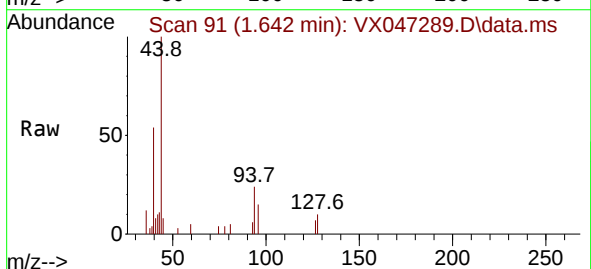
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

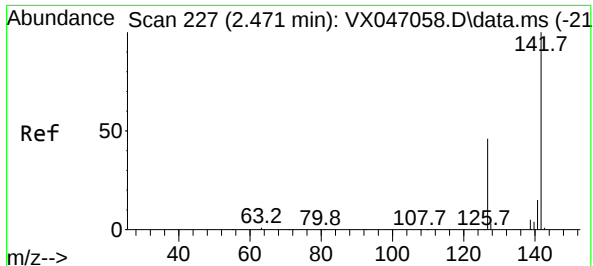
Tgt Ion:168 Resp: 333831
Ion Ratio Lower Upper
168 100
99 63.0 48.0 72.0



#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.025 min
Lab File: VX047289.D
Acq: 12 Aug 2025 12:22

Tgt Ion: 94 Resp: 596
Ion Ratio Lower Upper
94 100
96 63.3 72.3 108.5#

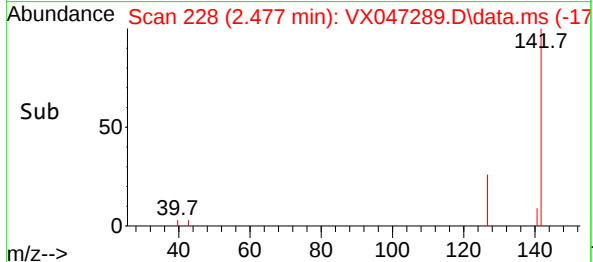
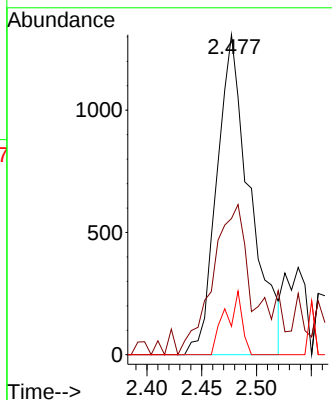
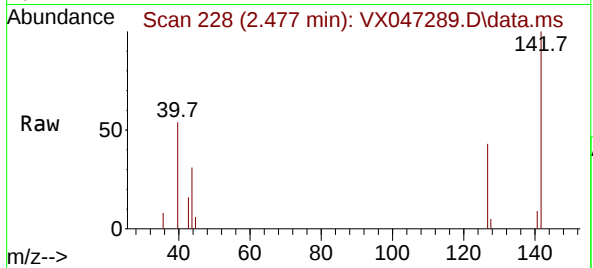




#10
Methyl Iodide
Concen: 0.641 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047289.D
Acq: 12 Aug 2025 12:22

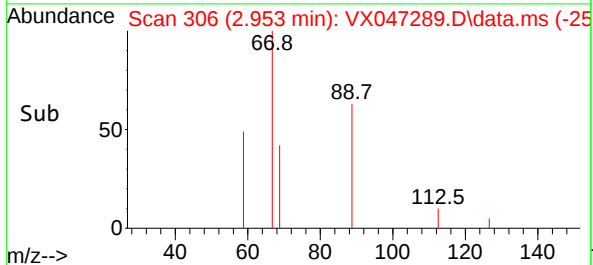
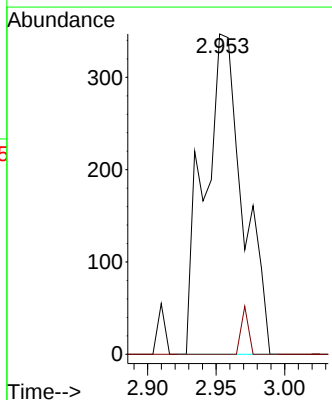
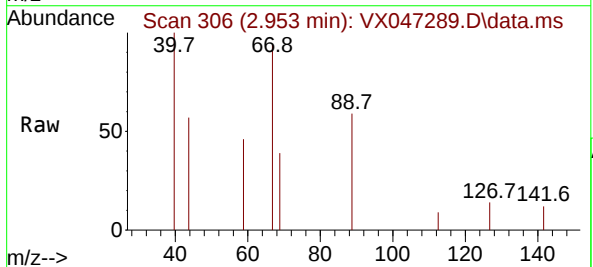
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion:142 Resp: 2765
Ion Ratio Lower Upper
142 100
127 49.5 36.6 54.8
141 10.0 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX047289.D
Acq: 12 Aug 2025 12:22

Tgt Ion: 59 Resp: 678
Ion Ratio Lower Upper
59 100
57 2.8 8.5 12.7#

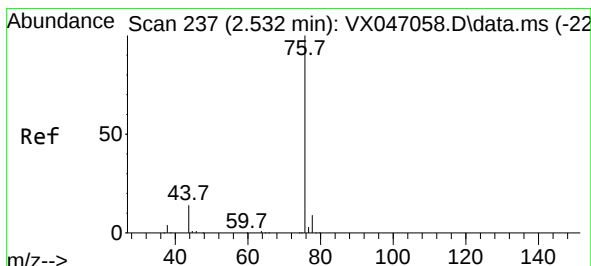
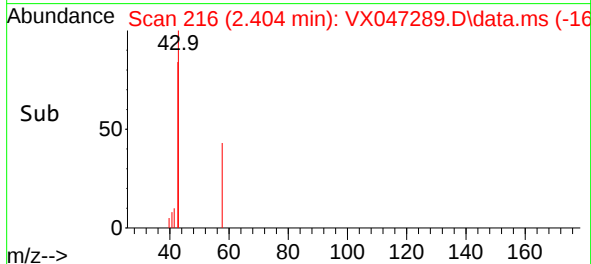
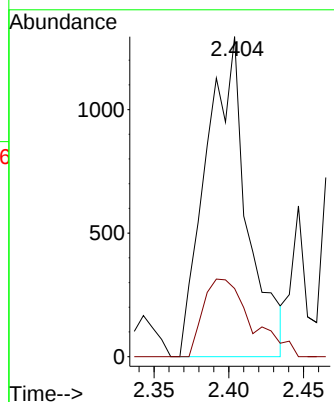
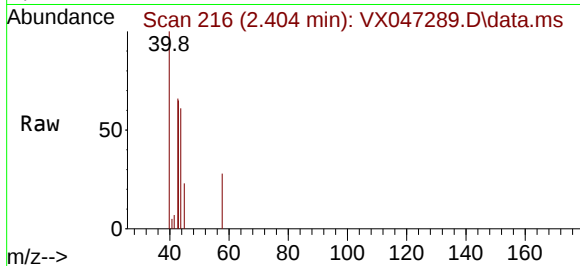




#16
Acetone
Concen: 1.488 ug/l
RT: 2.404 min Scan# 213
Delta R.T. 0.019 min
Lab File: VX047289.D
Acq: 12 Aug 2025 12:22

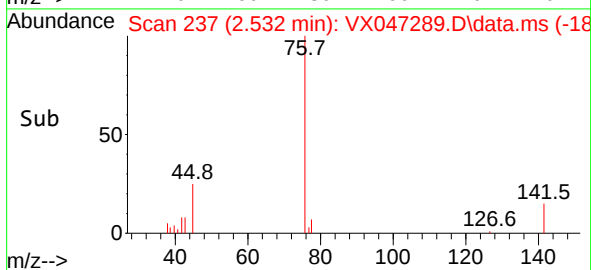
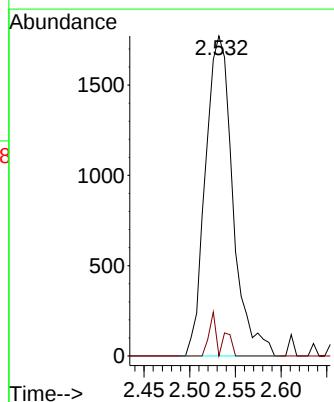
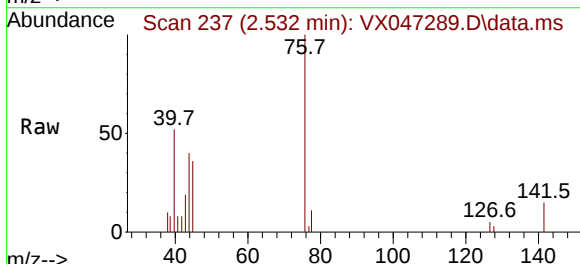
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

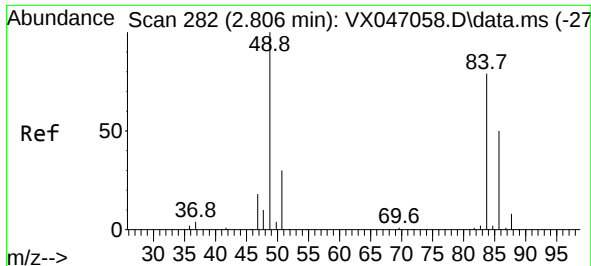
Tgt Ion: 43 Resp: 2479
Ion Ratio Lower Upper
43 100
58 14.5 24.0 36.0#



#17
Carbon Disulfide
Concen: 0.304 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047289.D
Acq: 12 Aug 2025 12:22

Tgt Ion: 76 Resp: 3695
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#





#20

Methylene Chloride

Concen: 0.279 ug/l

RT: 2.800 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047289.D

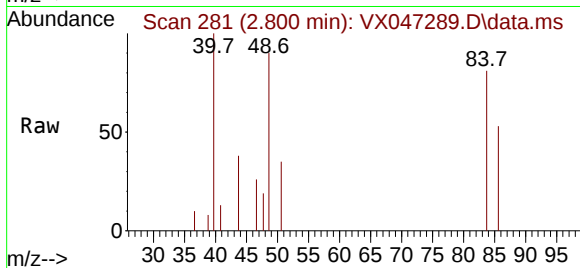
Acq: 12 Aug 2025 12:22

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT



Tgt Ion: 84 Resp: 1280

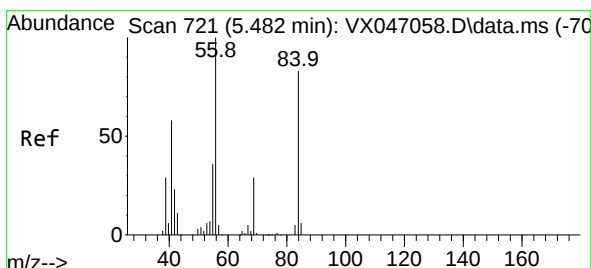
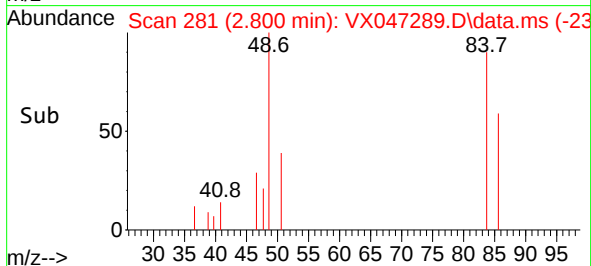
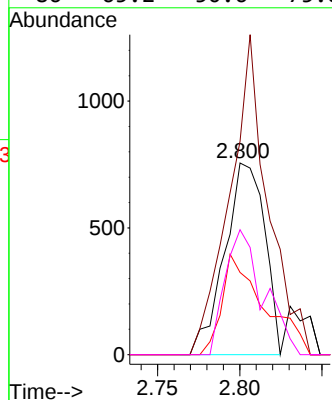
Ion Ratio Lower Upper

84 100

49 111.2 101.6 152.4

51 42.9 30.3 45.5

86 65.2 50.6 75.8



#31

Cyclohexane

Concen: 0.922 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.073 min

Lab File: VX047289.D

Acq: 12 Aug 2025 12:22

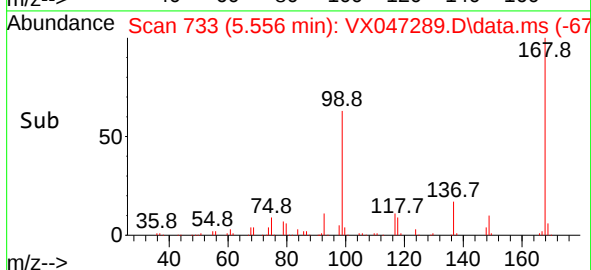
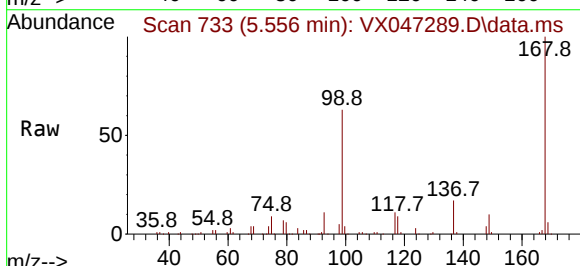
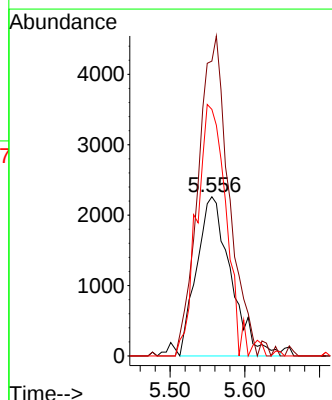
Tgt Ion: 56 Resp: 7164

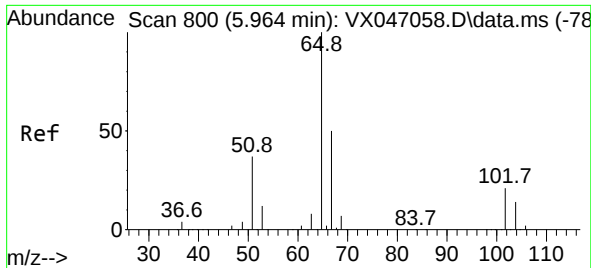
Ion Ratio Lower Upper

56 100

69 185.1 23.3 34.9#

84 152.0 66.5 99.7#

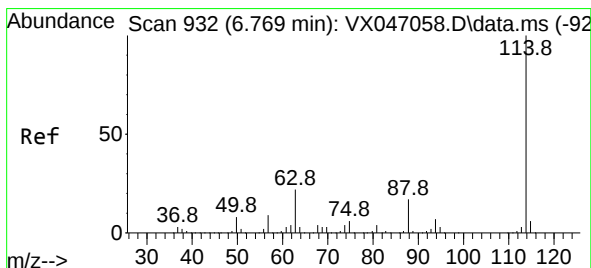
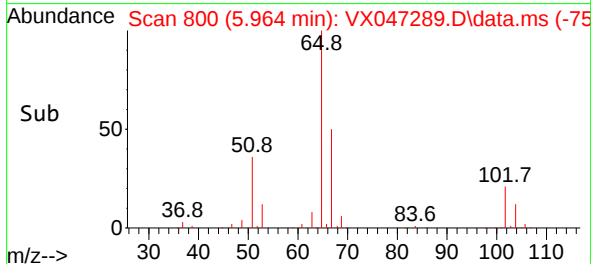
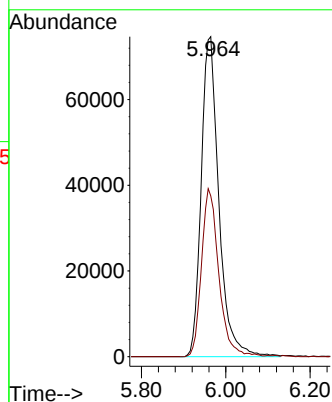
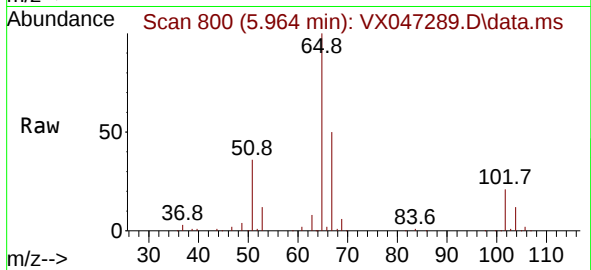




#33
 1,2-Dichloroethane-d4
 Concen: 52.320 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047289.D
 Acq: 12 Aug 2025 12:22

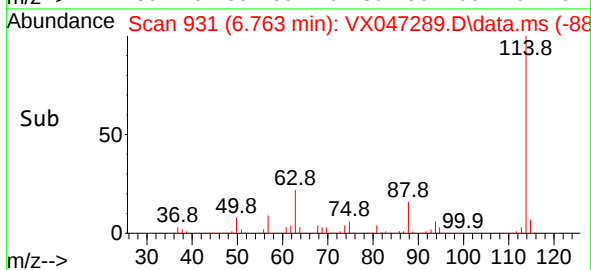
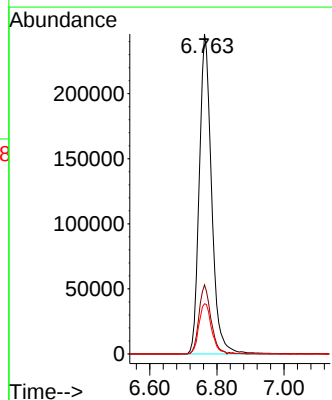
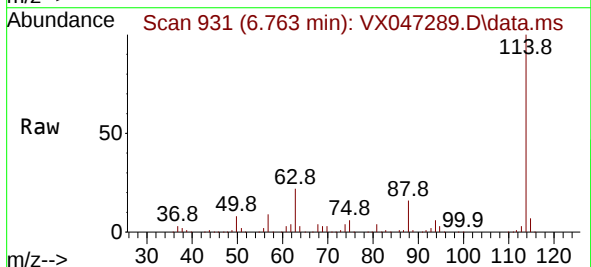
Instrument : MSVOA_X
 ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

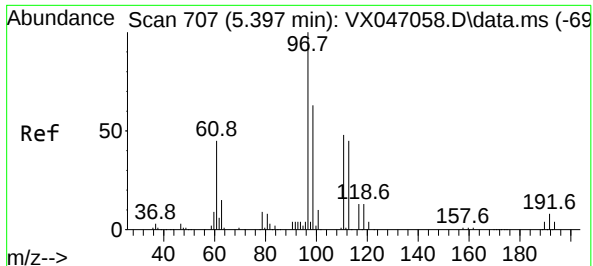
Tgt Ion: 65 Resp: 217571
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX047289.D
 Acq: 12 Aug 2025 12:22

Tgt Ion: 114 Resp: 624193
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 15.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 48.419 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047289.D

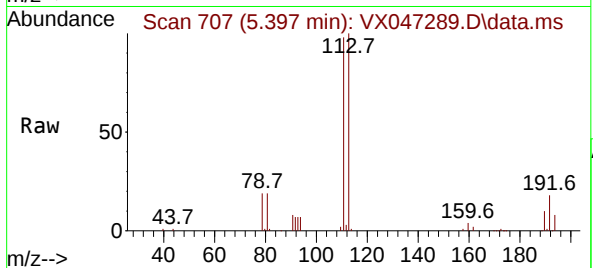
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Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT



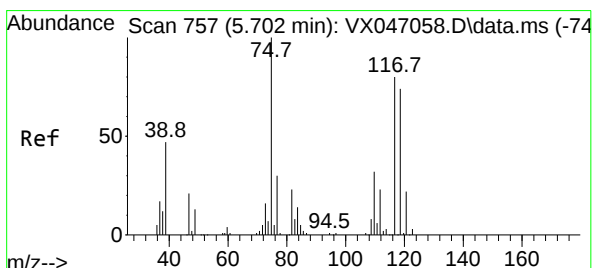
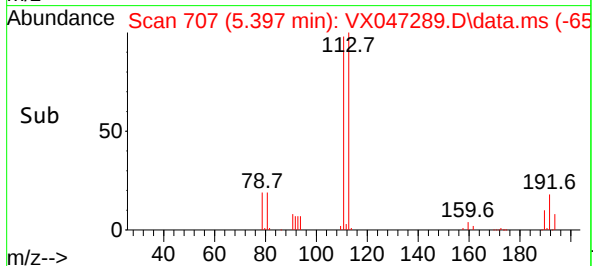
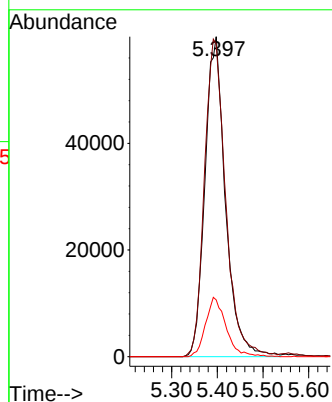
Tgt Ion:113 Resp: 186606

Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 18.5 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.246 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX047289.D

Acq: 12 Aug 2025 12:22

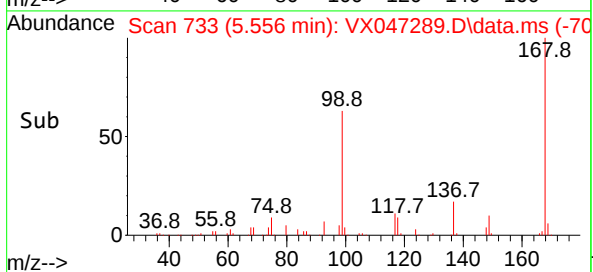
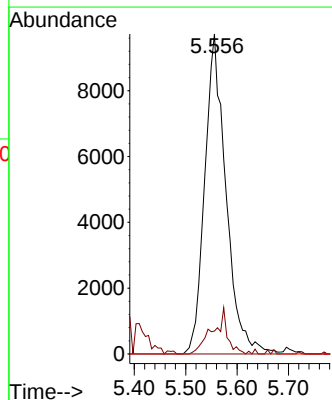
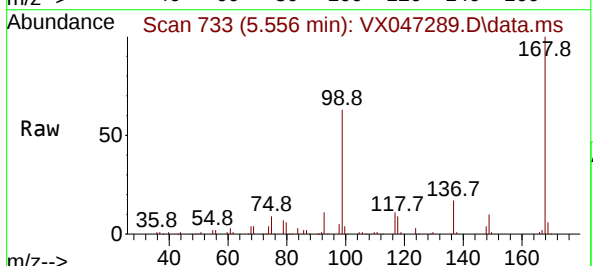
Tgt Ion: 75 Resp: 27893

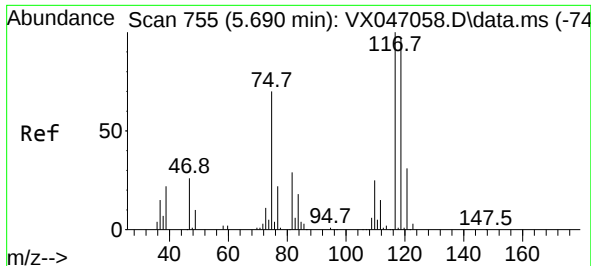
Ion Ratio Lower Upper

75 100

110 10.0 17.2 51.5#

77 0.0 25.1 37.7#

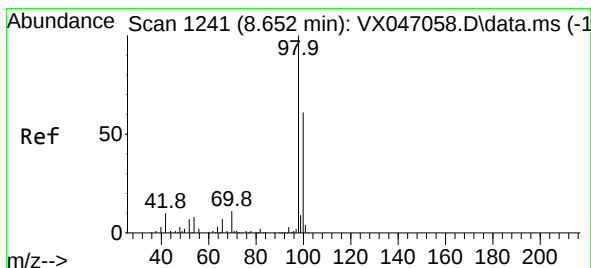
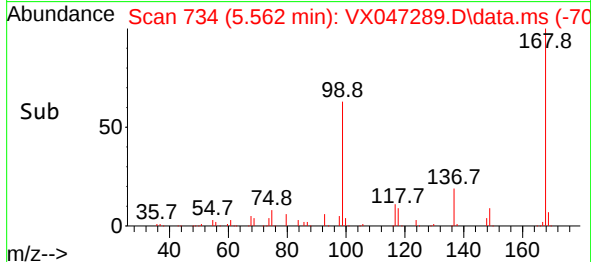
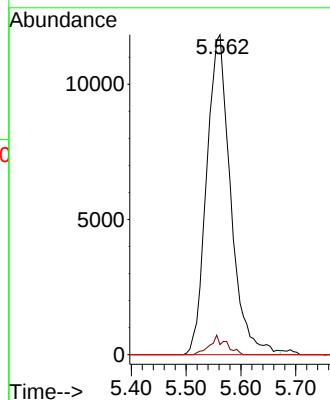
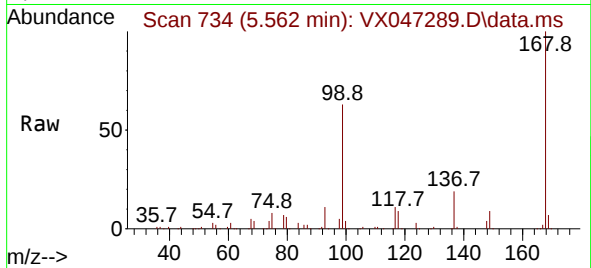




#38
Carbon Tetrachloride
Concen: 5.123 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047289.D
Acq: 12 Aug 2025 12:22

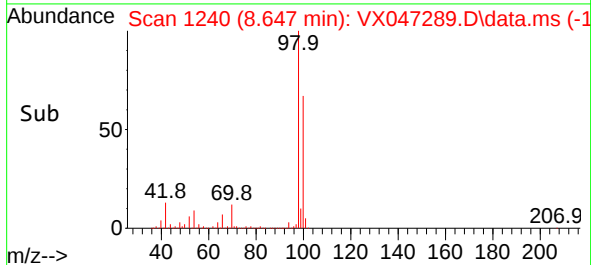
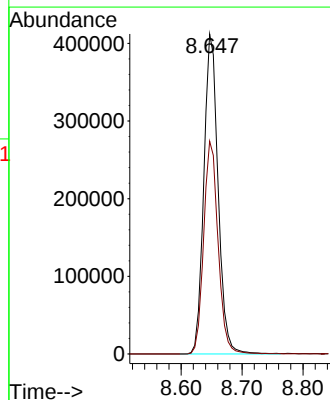
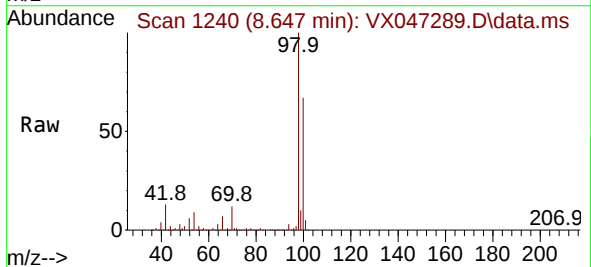
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

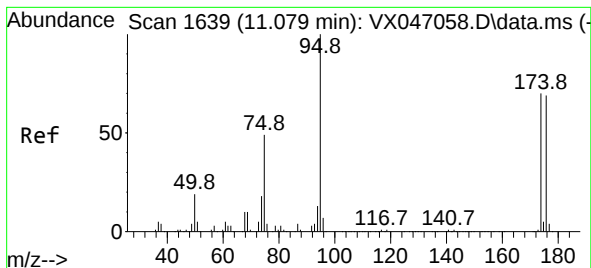
Tgt Ion:117 Resp: 35920
Ion Ratio Lower Upper
117 100
119 3.2 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 53.792 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047289.D
Acq: 12 Aug 2025 12:22

Tgt Ion: 98 Resp: 671382
Ion Ratio Lower Upper
98 100
100 67.3 53.3 79.9

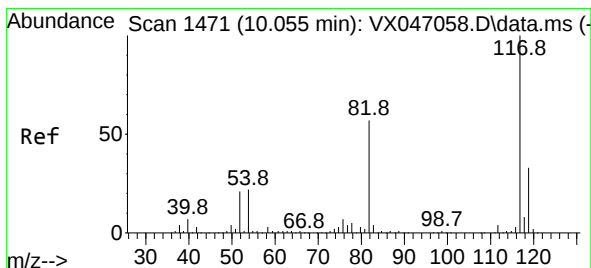
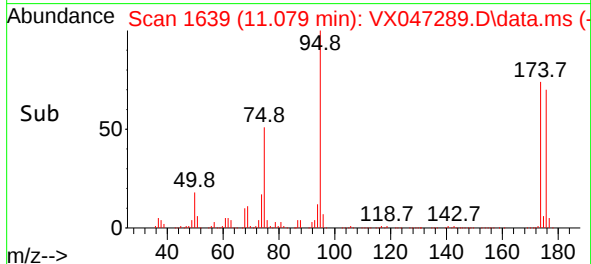
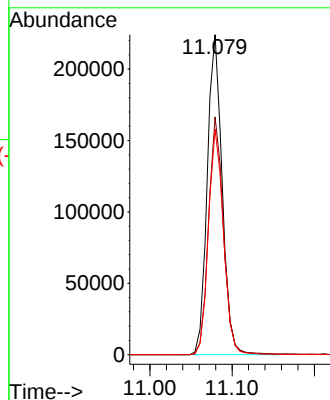
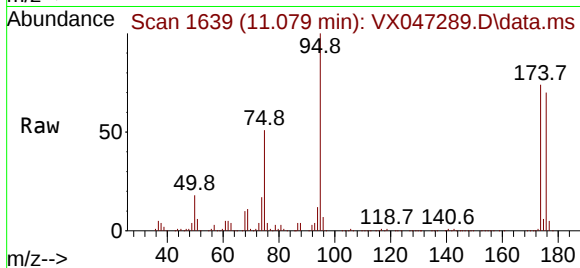




#62
4-Bromofluorobenzene
Concen: 52.577 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047289.D
Acq: 12 Aug 2025 12:22

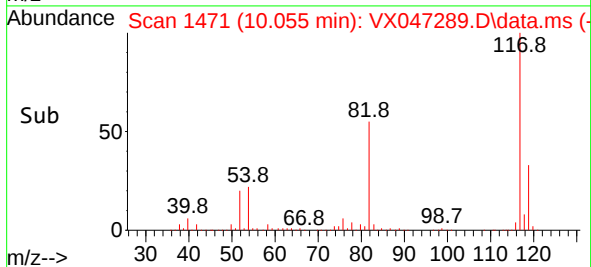
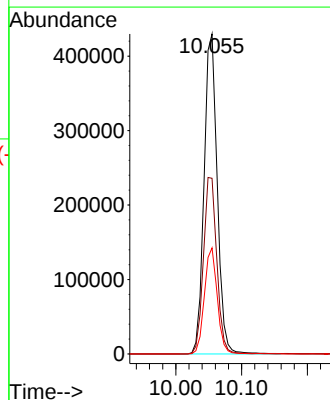
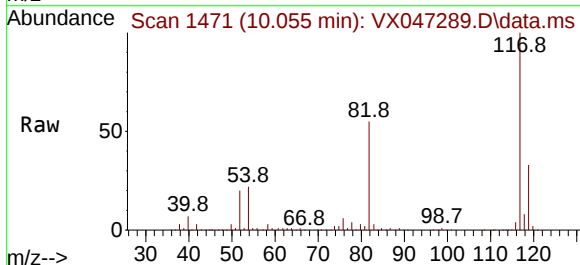
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

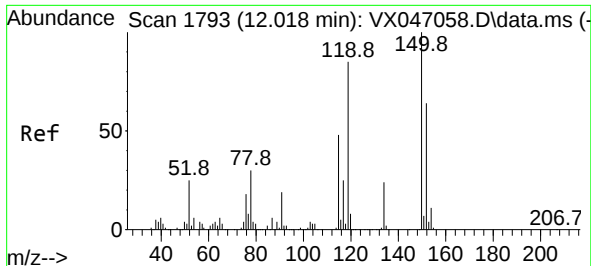
Tgt Ion: 95 Resp: 282793
Ion Ratio Lower Upper
95 100
174 74.1 0.0 144.6
176 71.2 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047289.D
Acq: 12 Aug 2025 12:22

Tgt Ion: 117 Resp: 598203
Ion Ratio Lower Upper
117 100
82 54.9 45.4 68.2
119 33.1 26.1 39.1

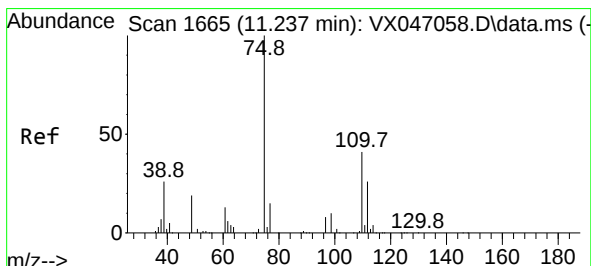
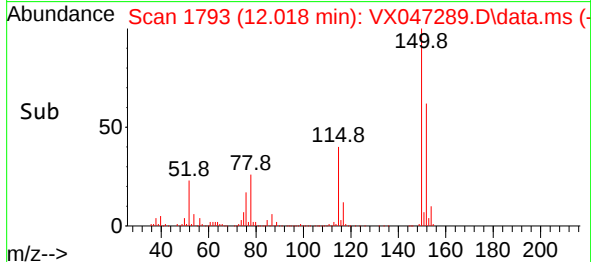
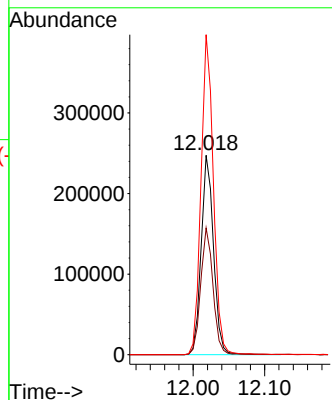
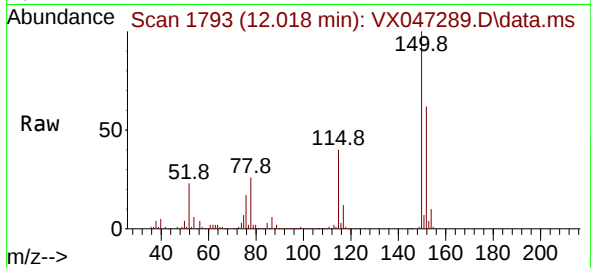




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047289.D
 Acq: 12 Aug 2025 12:22

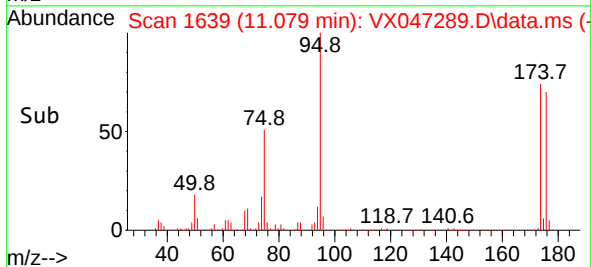
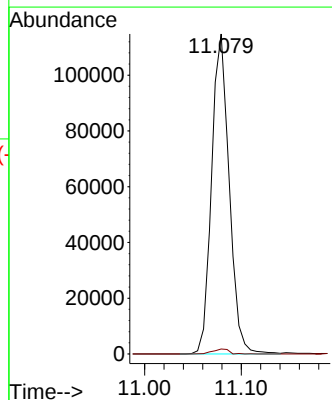
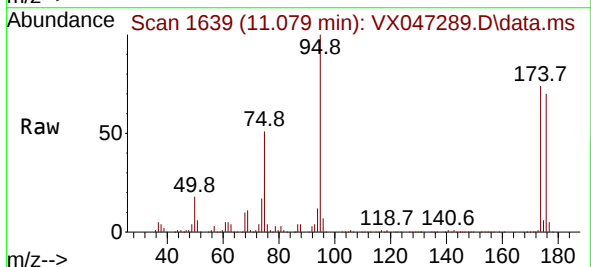
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

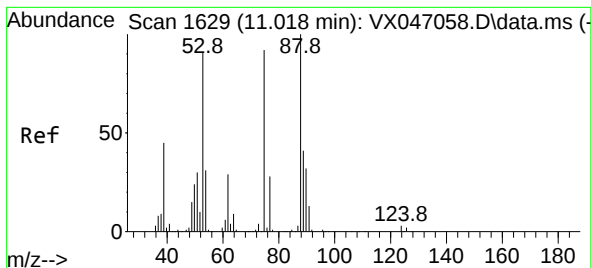
Tgt Ion:152 Resp: 297055
 Ion Ratio Lower Upper
 152 100
 115 63.3 45.6 136.7
 150 160.6 0.0 354.6



#76
 1,2,3-Trichloropropane
 Concen: 26.433 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047289.D
 Acq: 12 Aug 2025 12:22

Tgt Ion: 75 Resp: 145337
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.6 65.0#

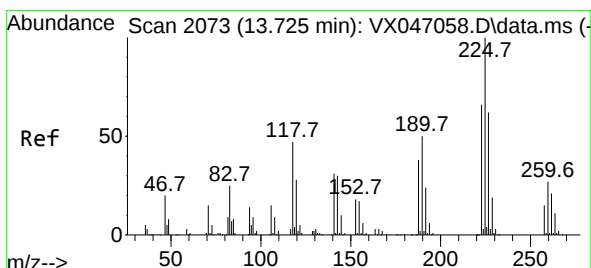
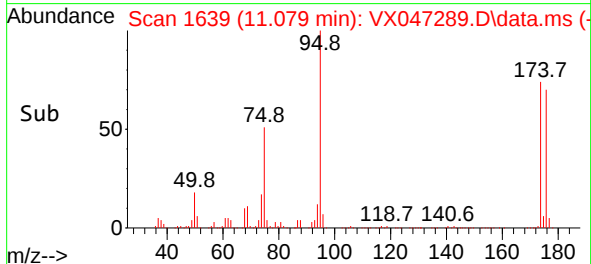
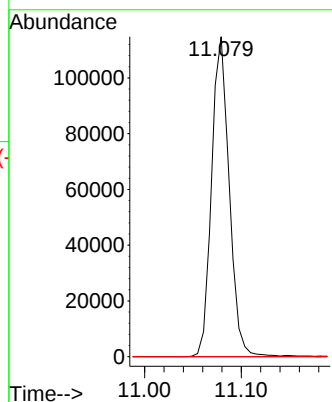
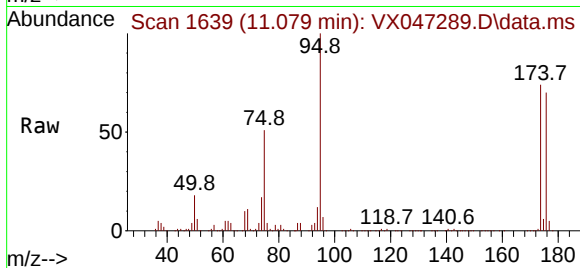




#81
trans-1,4-Dichloro-2-butene
Concen: 68.102 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047289.D
Acq: 12 Aug 2025 12:22

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

Tgt Ion: 75 Resp: 145337
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#94
Hexachlorobutadiene
Concen: 0.514 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047289.D
Acq: 12 Aug 2025 12:22

Tgt Ion: 225 Resp: 1179
Ion Ratio Lower Upper
225 100
223 73.1 31.6 95.0
227 62.1 32.9 98.6

