

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090225\
 Data File : VX047579.D
 Acq On : 02 Sep 2025 13:23
 Operator : JC/MD
 Sample : Q2996-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CONTAINMENT-B

Quant Time: Sep 03 02:16:14 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)

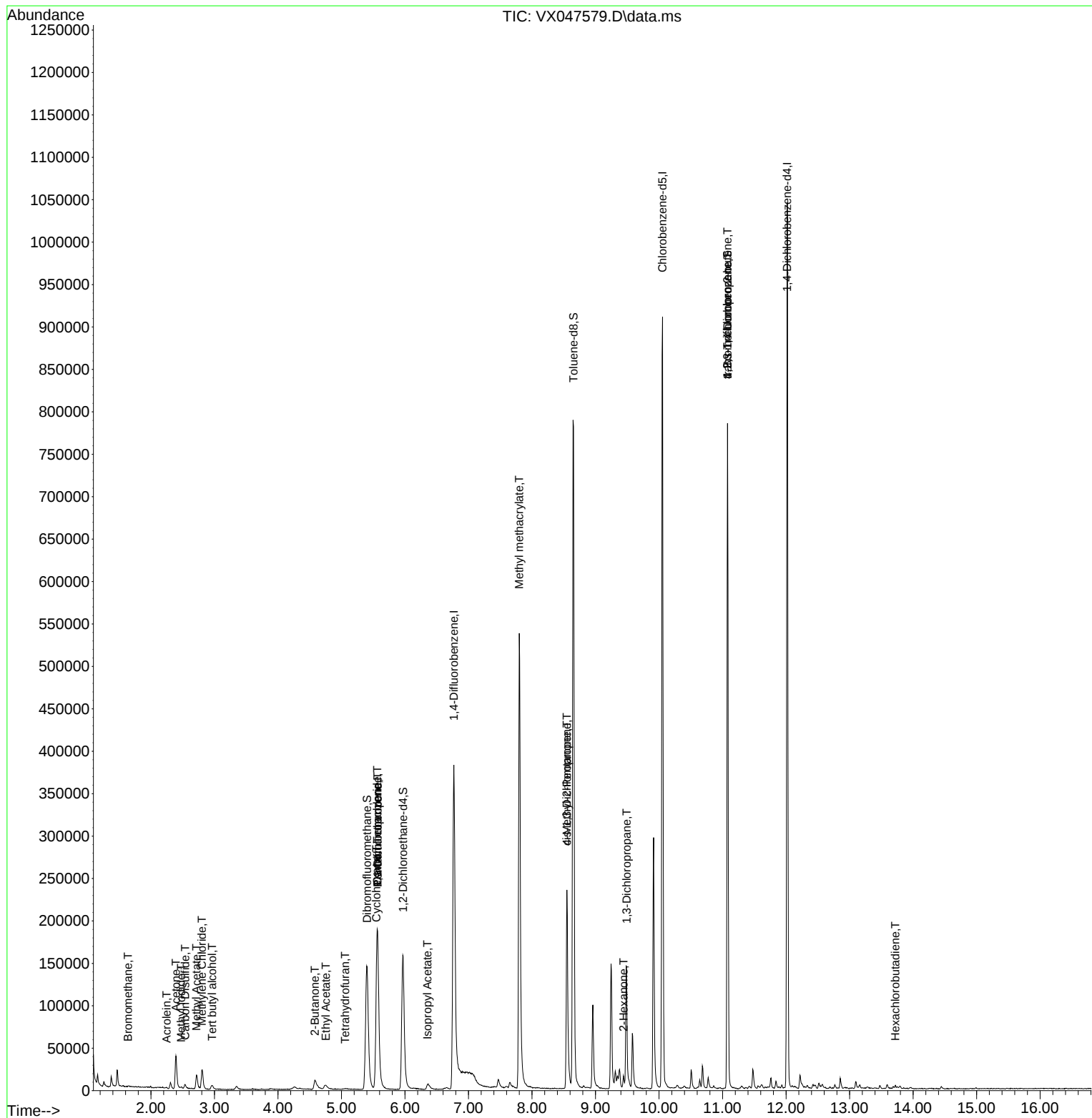
Internal Standards						
1) Pentafluorobenzene	5.568	168	190509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	395753	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	403743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	211855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	165011	56.403	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.800%
35) Dibromofluoromethane	5.404	113	139975	51.533	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.060%
50) Toluene-d8	8.653	98	495076	52.000	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.000%
62) 4-Bromofluorobenzene	11.079	95	210280	58.791	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.580%
Target Compounds						
						Qvalue
5) Bromomethane	1.636	94	388	0.335	ug/l #	72
10) Methyl Iodide	2.477	142	2758	0.734	ug/l #	92
11) Tert butyl alcohol	2.965	59	5328	19.814	ug/l #	93
13) Acrolein	2.246	56	328	0.608	ug/l	85
16) Acetone	2.392	43	50740	43.793	ug/l	98
17) Carbon Disulfide	2.538	76	3100	0.433	ug/l #	91
18) Methyl Acetate	2.715	43	24543	8.592	ug/l	98
20) Methylene Chloride	2.800	84	11455	3.885	ug/l	98
25) 2-Butanone	4.580	43	25133	16.483	ug/l	93
29) Tetrahydrofuran	5.056	42	391	0.413	ug/l #	80
31) Cyclohexane	5.550	56	4365	1.061	ug/l #	21
36) 1,1-Dichloropropene	5.568	75	16129	4.172	ug/l #	49
37) Ethyl Acetate	4.751	43	13800	3.622	ug/l #	88
38) Carbon Tetrachloride	5.562	117	20635	4.811	ug/l #	16
43) Isopropyl Acetate	6.355	43	10781	1.761	ug/l #	85
48) Methyl methacrylate	7.799	41	51936	16.491	ug/l #	46
51) 4-Methyl-2-Pentanone	8.549	43	89289	24.684	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	39917	8.545	ug/l #	65
57) 1,3-Dichloropropane	9.488	76	1403	0.276	ug/l #	42
59) 2-Hexanone	9.439	43	8485	3.434	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	108376	28.663	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	108376	101.486	ug/l #	7
94) Hexachlorobutadiene	13.719	225	461	0.299	ug/l	90

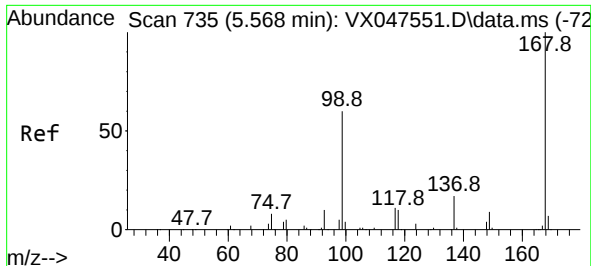
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
CONTAINMENT-B

Quant Time: Sep 03 02:16:14 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

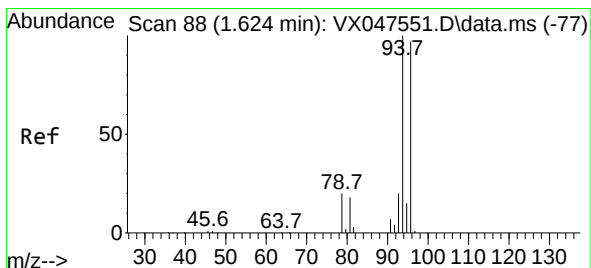
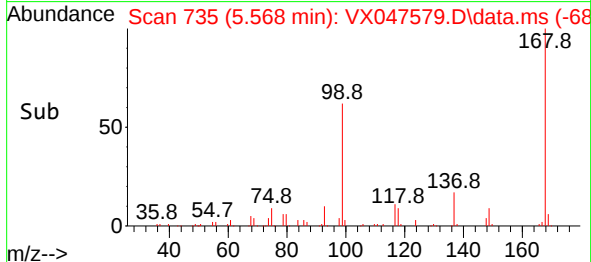
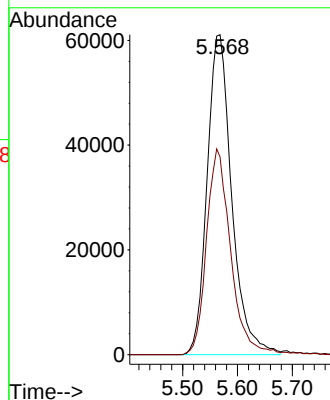
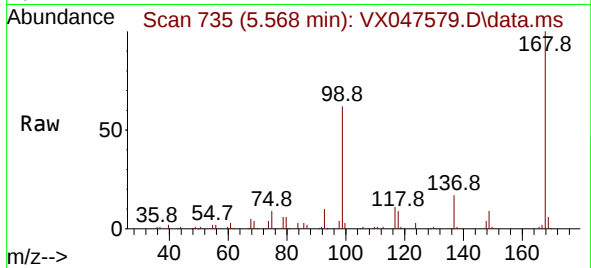




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

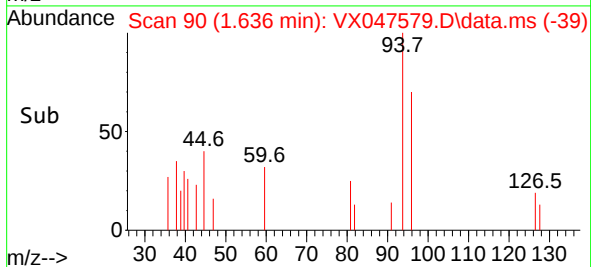
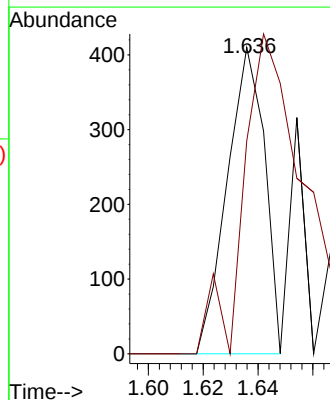
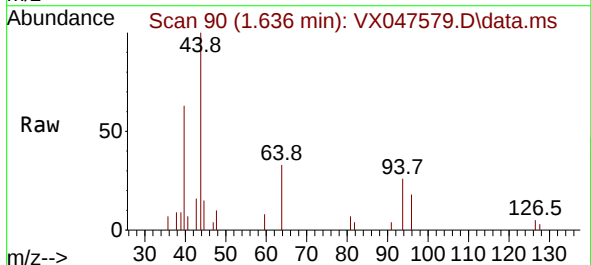
Instrument :
MSVOA_X
ClientSampleId :
CONTAINMENT-B

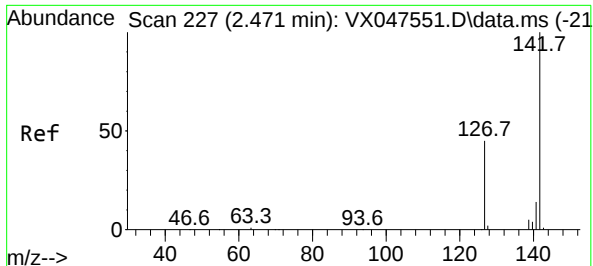
Tgt Ion:168 Resp: 190509
Ion Ratio Lower Upper
168 100
99 61.8 48.9 73.3



#5
Bromomethane
Concen: 0.335 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

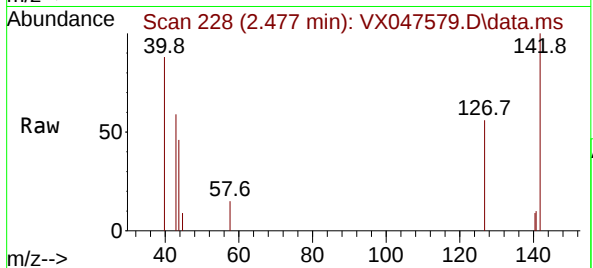
Tgt Ion: 94 Resp: 388
Ion Ratio Lower Upper
94 100
96 69.5 77.7 116.5#



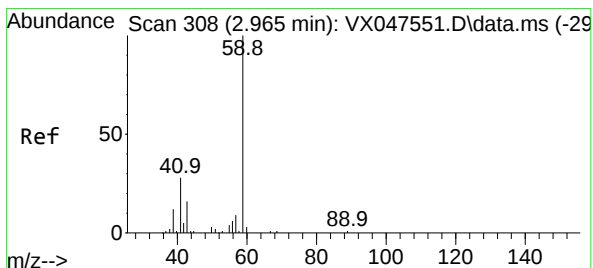
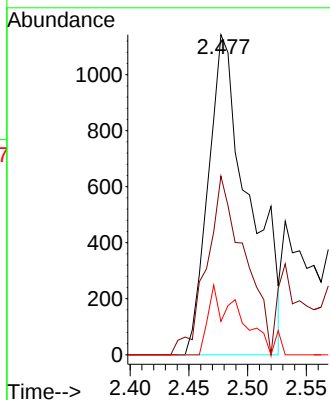
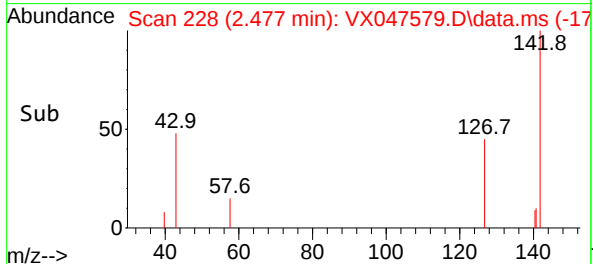


#10
Methyl Iodide
Concen: 0.734 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

Instrument :
MSVOA_X
ClientSampleId :
CONTAINMENT-B

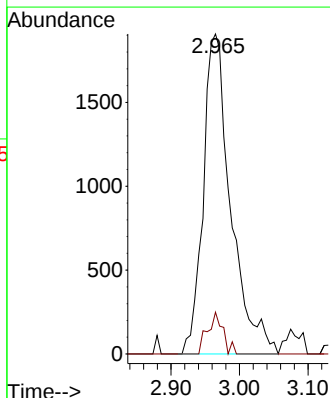
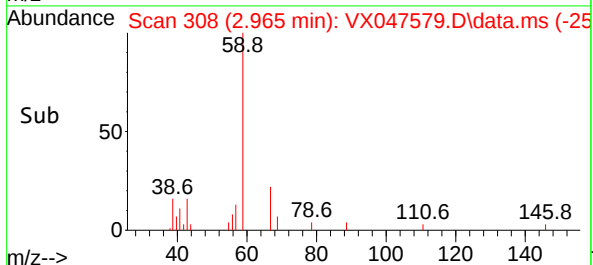
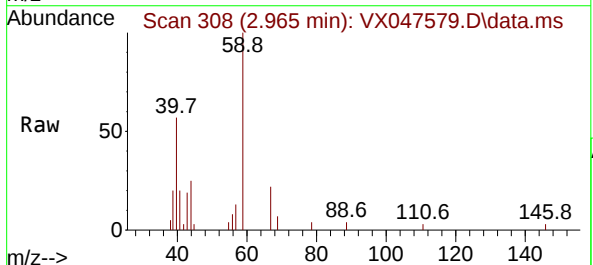


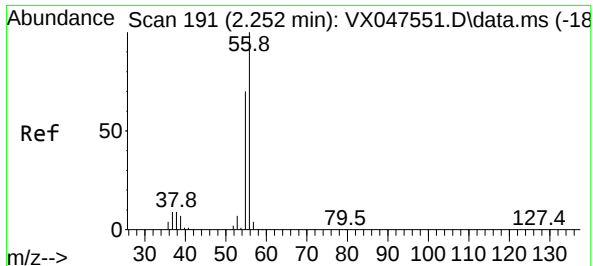
Tgt Ion:142 Resp: 2758
Ion Ratio Lower Upper
142 100
127 51.6 37.6 56.4
141 17.4 10.6 16.0#



#11
Tert butyl alcohol
Concen: 19.814 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.000 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

Tgt Ion: 59 Resp: 5328
Ion Ratio Lower Upper
59 100
57 7.3 7.9 11.9#

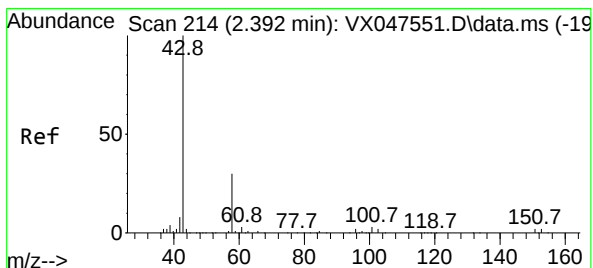
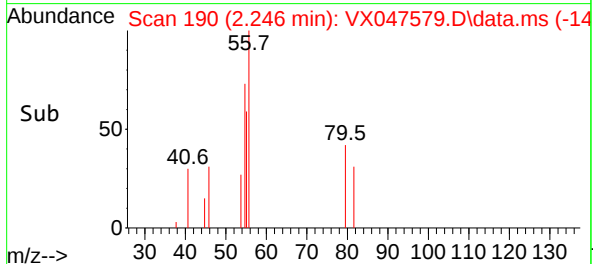
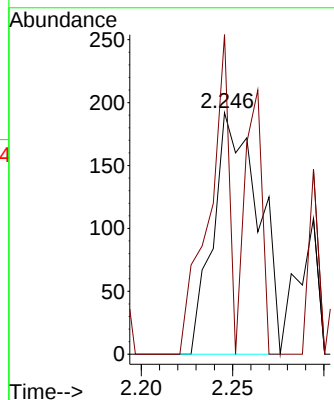
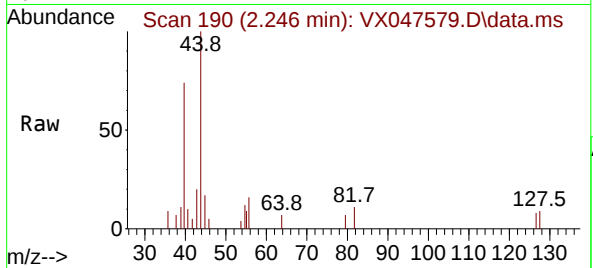




#13
Acrolein
Concen: 0.608 ug/l
RT: 2.246 min Scan# 191
Delta R.T. -0.006 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

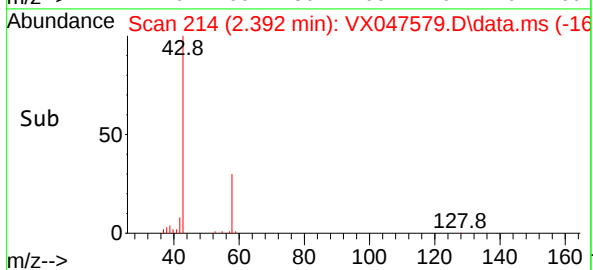
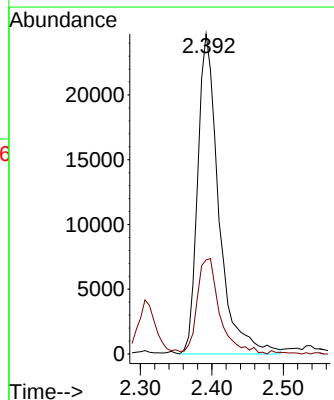
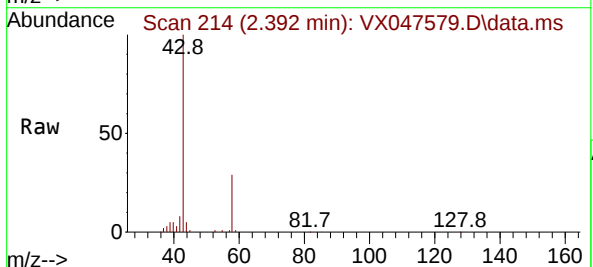
Instrument :
MSVOA_X
ClientSampleId :
CONTAINMENT-B

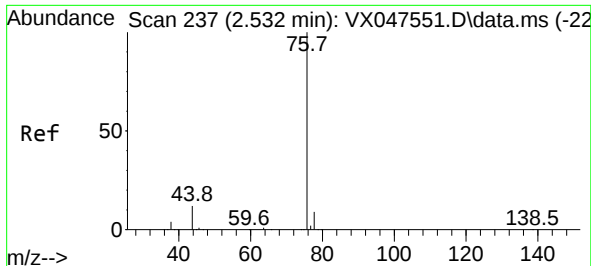
Tgt Ion: 56 Resp: 328
Ion Ratio Lower Upper
56 100
55 59.1 57.0 85.6



#16
Acetone
Concen: 43.793 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

Tgt Ion: 43 Resp: 50740
Ion Ratio Lower Upper
43 100
58 28.9 24.2 36.2

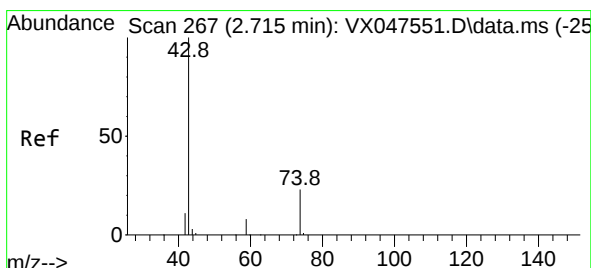
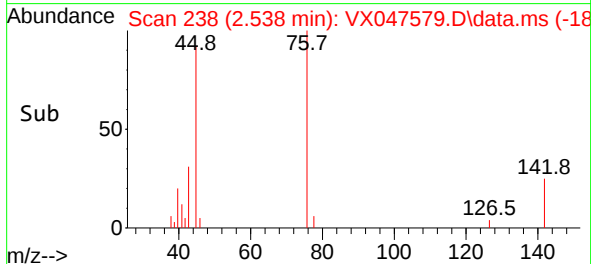
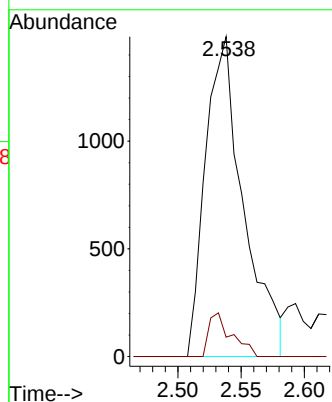
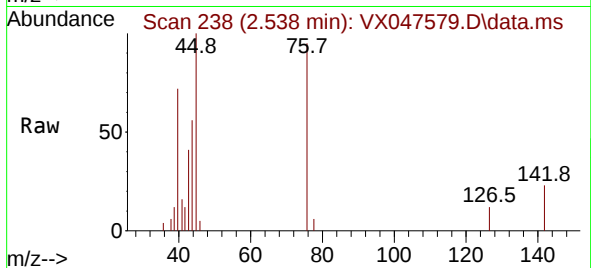




#17
Carbon Disulfide
Concen: 0.433 ug/l
RT: 2.538 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

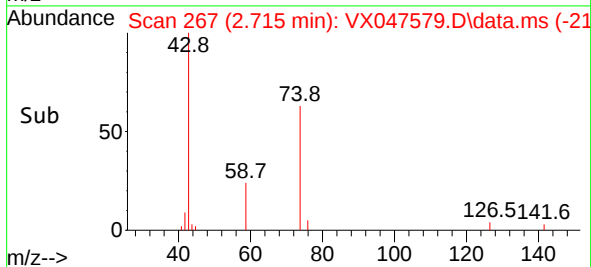
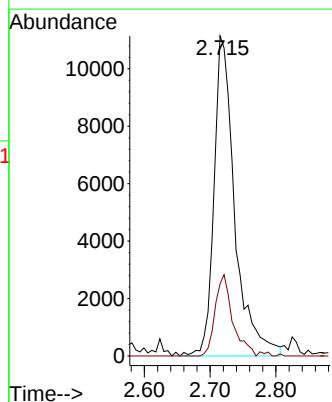
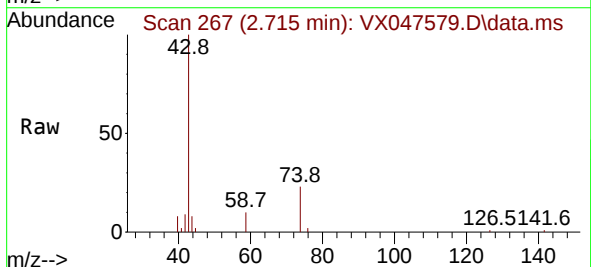
Instrument :
MSVOA_X
ClientSampleId :
CONTAINMENT-B

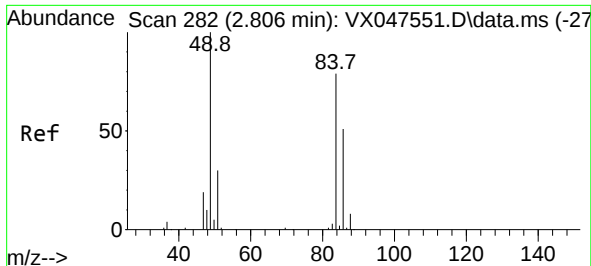
Tgt Ion: 76 Resp: 3100
Ion Ratio Lower Upper
76 100
78 6.1 7.4 11.0#



#18
Methyl Acetate
Concen: 8.592 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

Tgt Ion: 43 Resp: 24543
Ion Ratio Lower Upper
43 100
74 21.3 17.8 26.8

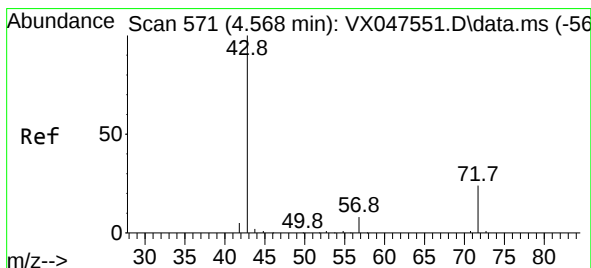
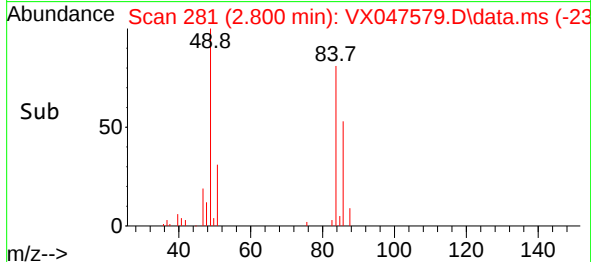
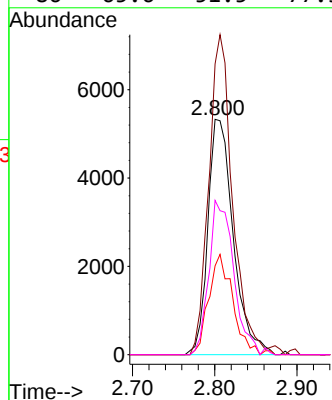
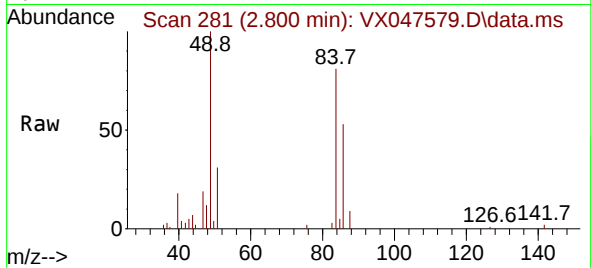




#20
Methylene Chloride
Concen: 3.885 ug/l
RT: 2.800 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

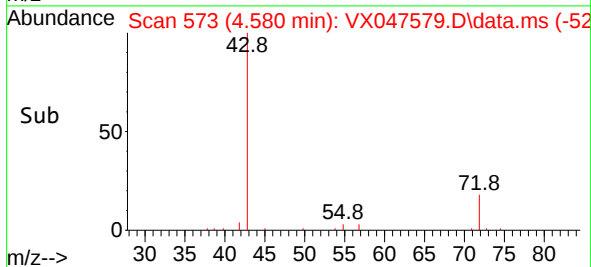
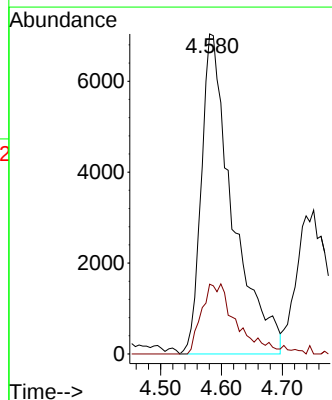
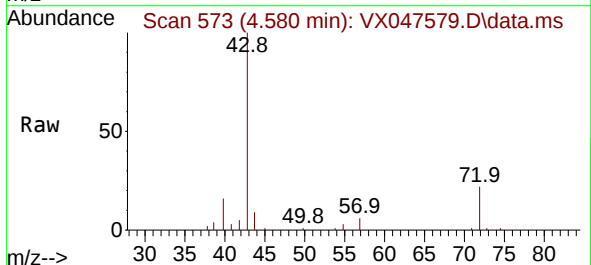
Instrument :
MSVOA_X
ClientSampleId :
CONTAINMENT-B

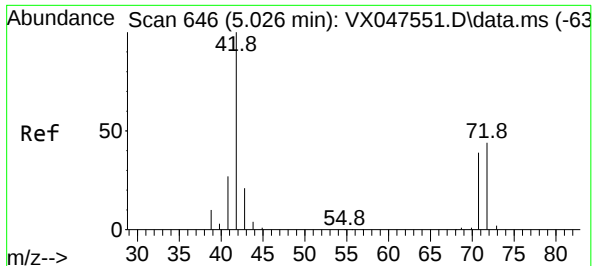
Tgt Ion: 84	Resp: 11455		
Ion	Ratio	Lower	Upper
84	100		
49	123.6	101.4	152.2
51	37.8	30.6	46.0
86	65.6	51.5	77.3



#25
2-Butanone
Concen: 16.483 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

Tgt Ion: 43	Resp: 25133
Ion Ratio	Lower Upper
43 100	
72 21.1	19.5 29.3





#29

Tetrahydrofuran

Concen: 0.413 ug/l

RT: 5.056 min Scan# 61

Delta R.T. 0.030 min

Lab File: VX047579.D

Acq: 02 Sep 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

CONTAINMENT-B

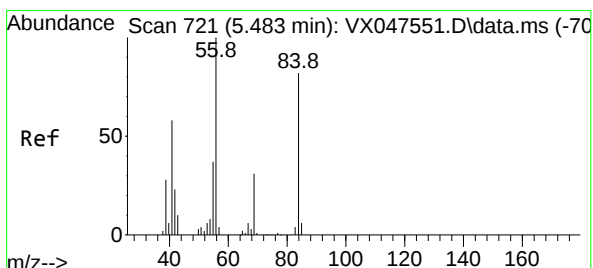
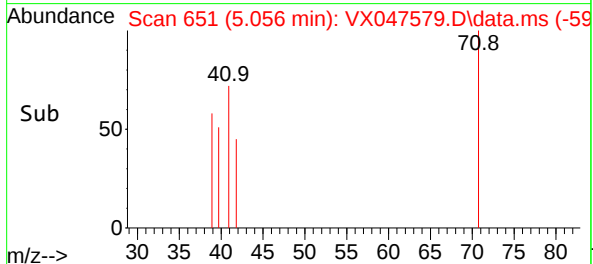
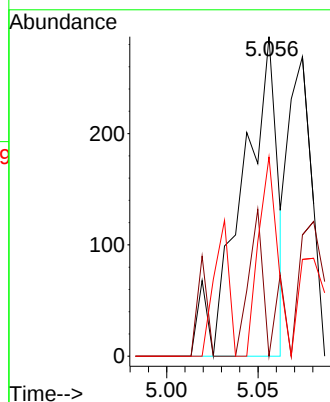
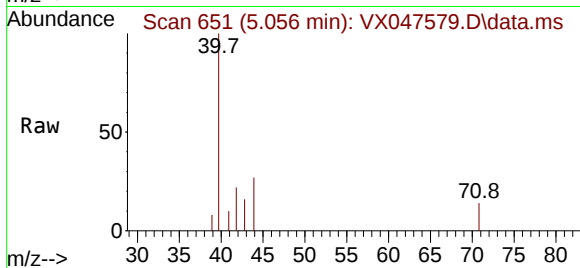
Tgt Ion: 42 Resp: 391

Ion Ratio Lower Upper

42 100

72 24.8 34.5 51.7#

71 32.7 31.7 47.5



#31

Cyclohexane

Concen: 1.061 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.067 min

Lab File: VX047579.D

Acq: 02 Sep 2025 13:23

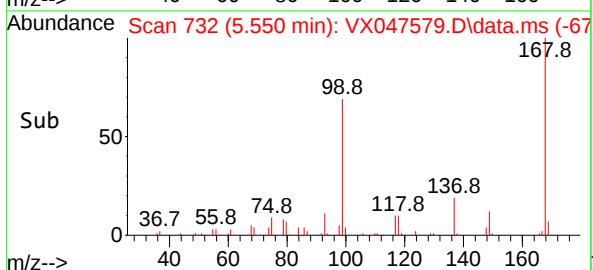
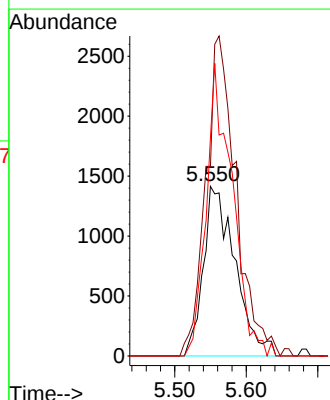
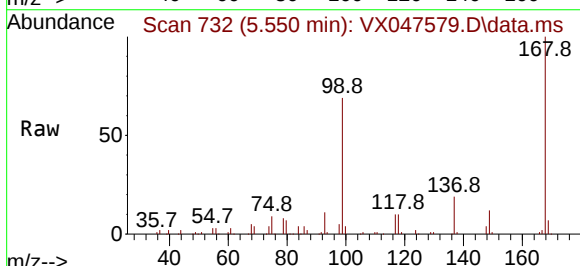
Tgt Ion: 56 Resp: 4365

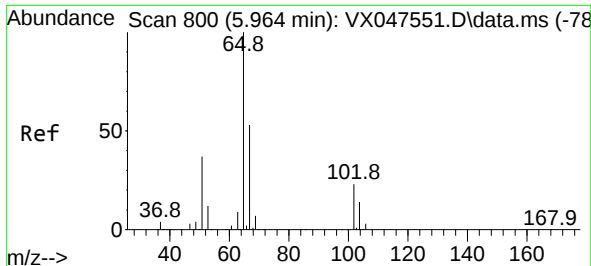
Ion Ratio Lower Upper

56 100

69 111.7 24.2 36.2#

84 128.7 65.5 98.3#

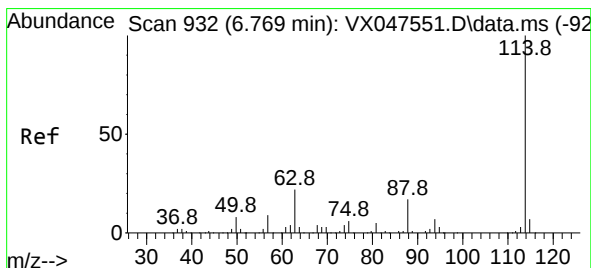
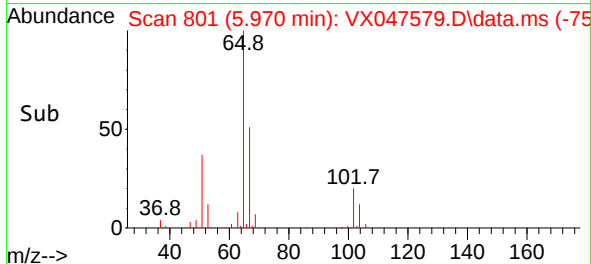
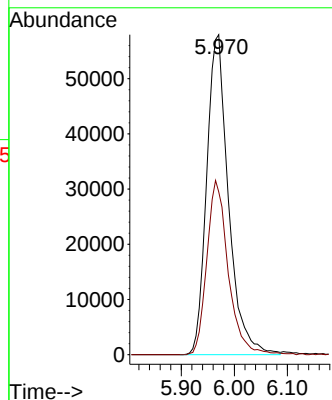
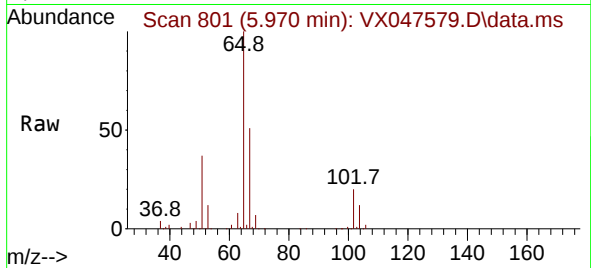




#33
 1,2-Dichloroethane-d4
 Concen: 56.403 ug/l
 RT: 5.970 min Scan# 801
 Delta R.T. 0.006 min
 Lab File: VX047579.D
 Acq: 02 Sep 2025 13:23

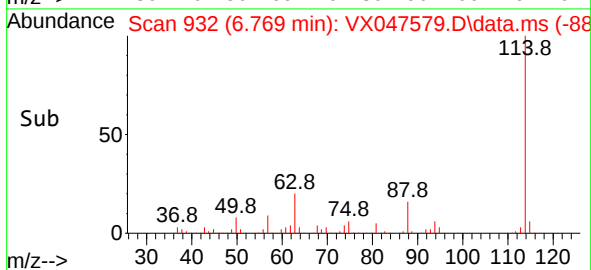
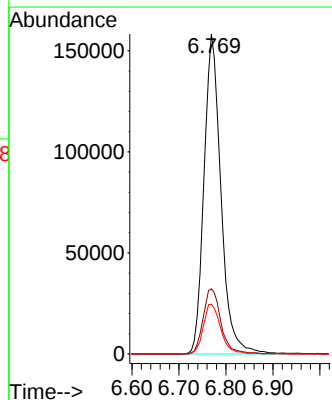
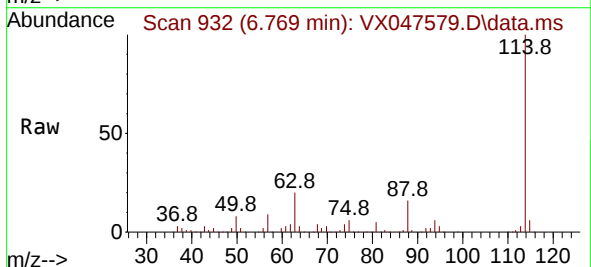
Instrument :
 MSVOA_X
 ClientSampleId :
 CONTAINMENT-B

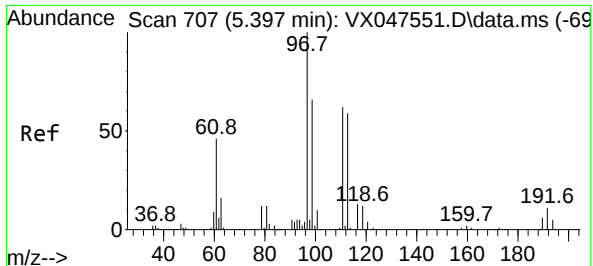
Tgt Ion: 65 Resp: 165011
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047579.D
 Acq: 02 Sep 2025 13:23

Tgt Ion: 114 Resp: 395753
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 43.6
 88 15.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.533 ug/l

RT: 5.404 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX047579.D

Acq: 02 Sep 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

CONTAINMENT-B

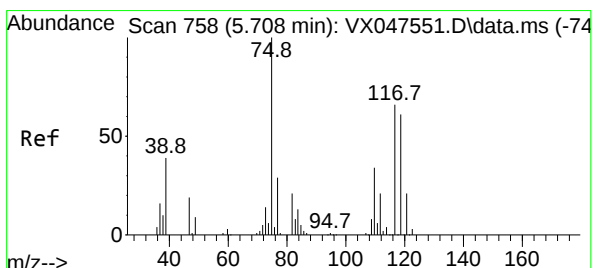
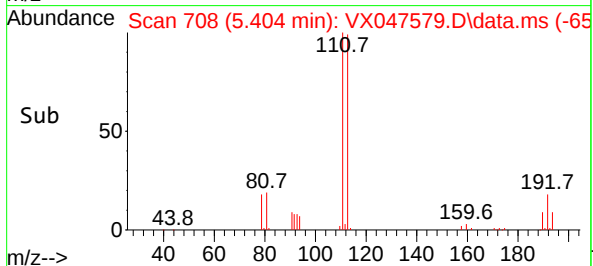
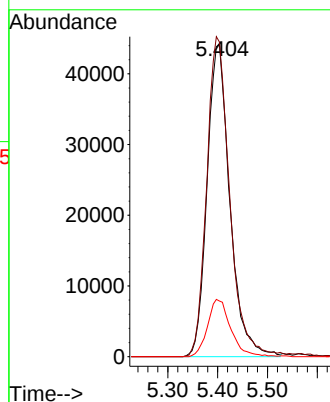
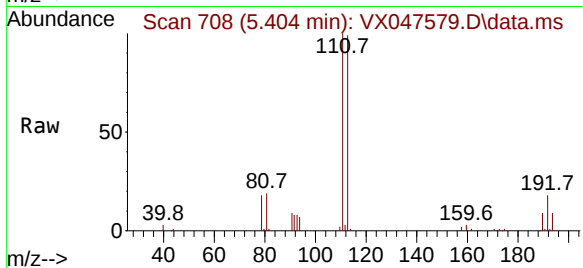
Tgt Ion:113 Resp: 139975

Ion Ratio Lower Upper

113 100

111 103.6 81.2 121.8

192 18.7 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.172 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.140 min

Lab File: VX047579.D

Acq: 02 Sep 2025 13:23

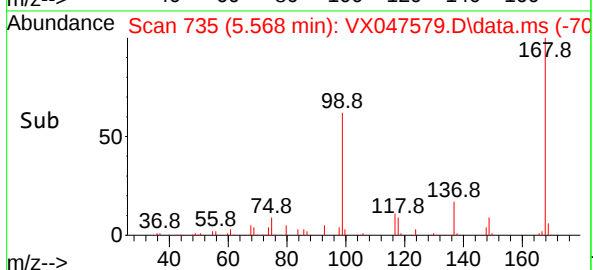
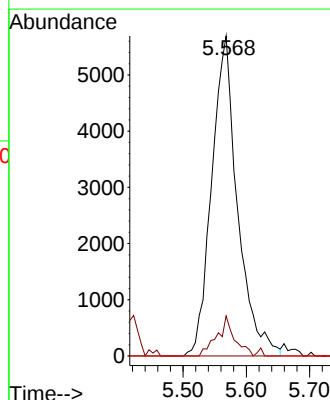
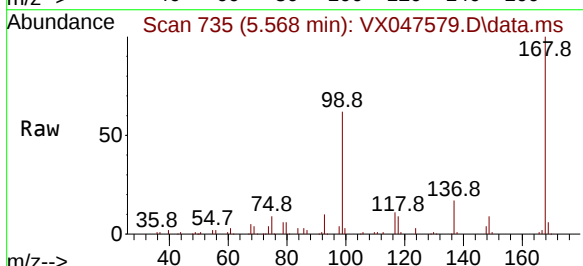
Tgt Ion: 75 Resp: 16129

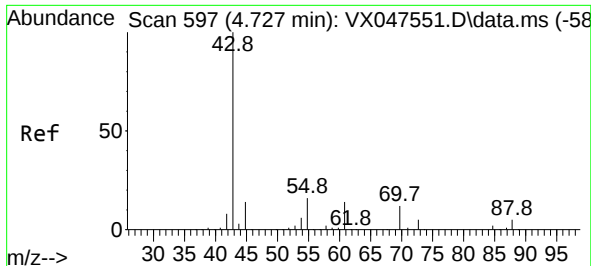
Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.3#

77 0.0 25.0 37.6#





#37

Ethyl Acetate

Concen: 3.622 ug/l

RT: 4.751 min Scan# 601

Delta R.T. 0.024 min

Lab File: VX047579.D

Acq: 02 Sep 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

CONTAINMENT-B

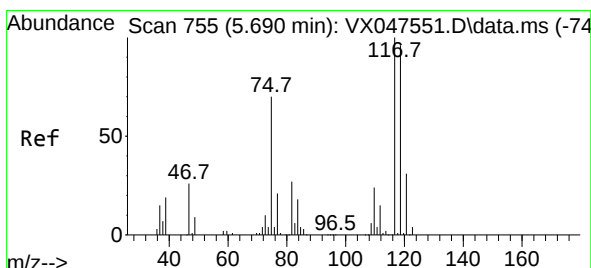
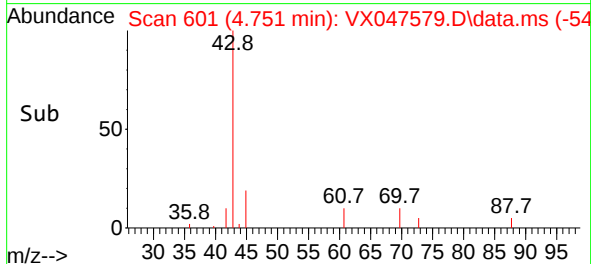
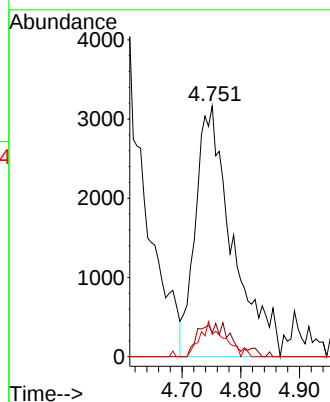
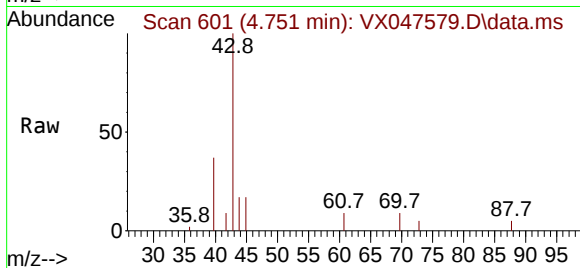
Tgt Ion: 43 Resp: 13800

Ion Ratio Lower Upper

43 100

61 5.5 10.2 15.2#

70 8.5 8.2 12.4



#38

Carbon Tetrachloride

Concen: 4.811 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047579.D

Acq: 02 Sep 2025 13:23

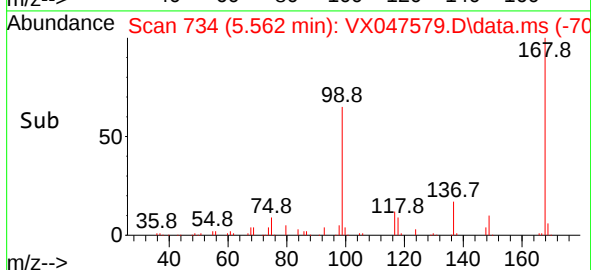
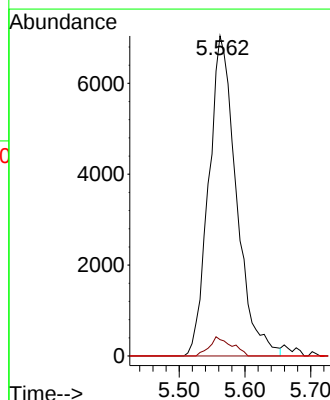
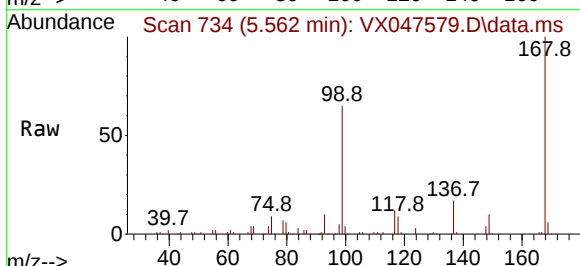
Tgt Ion: 117 Resp: 20635

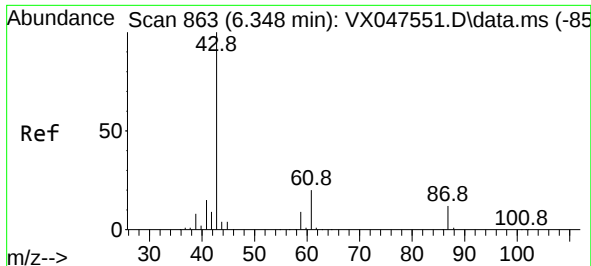
Ion Ratio Lower Upper

117 100

119 5.1 76.4 114.6#

121 0.0 24.9 37.3#

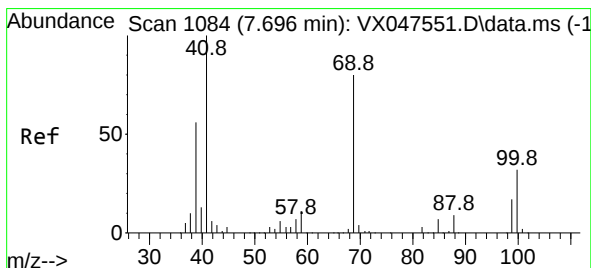
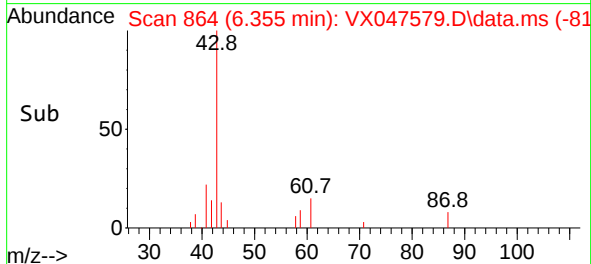
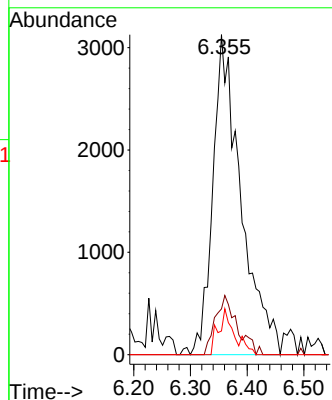
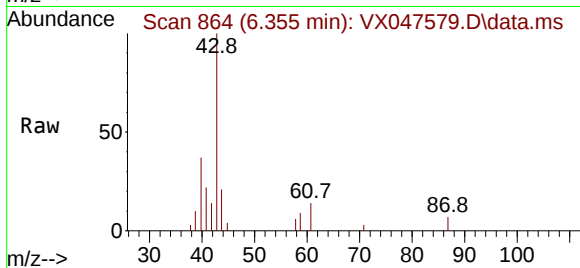




#43
Isopropyl Acetate
Concen: 1.761 ug/l
RT: 6.355 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

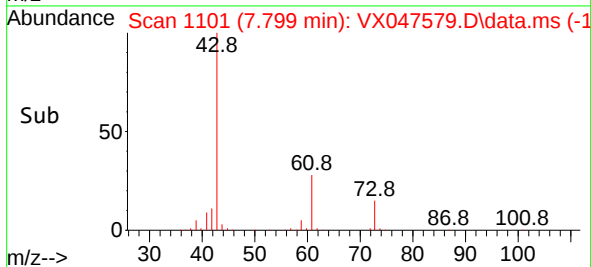
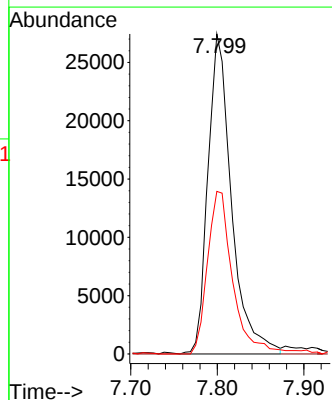
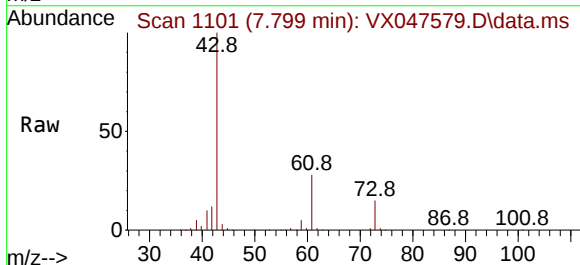
Instrument :
MSVOA_X
ClientSampleId :
CONTAINMENT-B

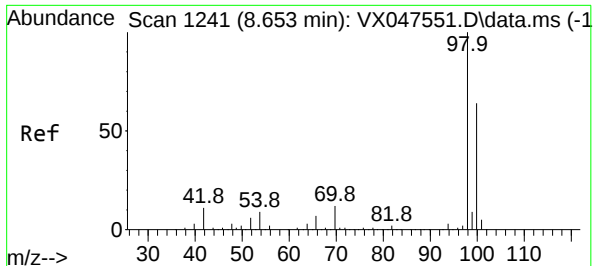
Tgt Ion: 43 Resp: 10781
Ion Ratio Lower Upper
43 100
61 12.5 15.4 23.2#
87 6.8 9.9 14.9#



#48
Methyl methacrylate
Concen: 16.491 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

Tgt Ion: 41 Resp: 51936
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 54.2 44.7 67.1

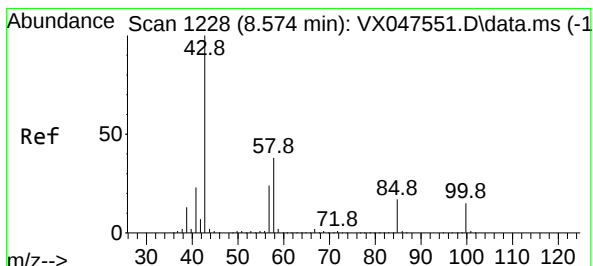
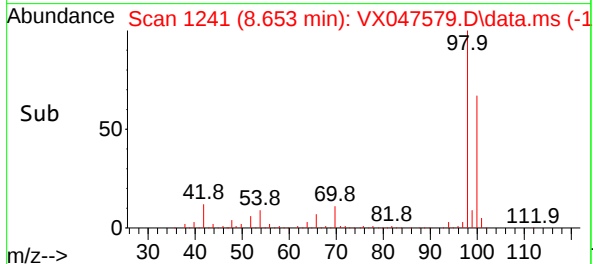
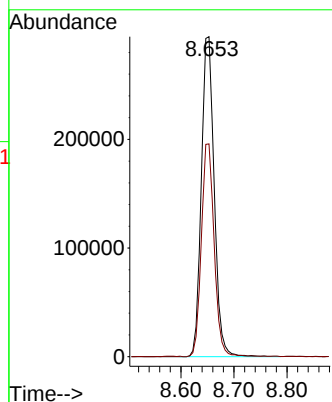
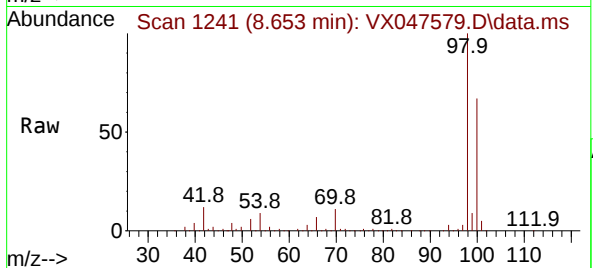




#50
Toluene-d8
Concen: 52.000 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

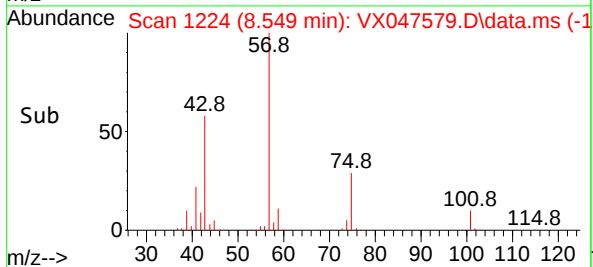
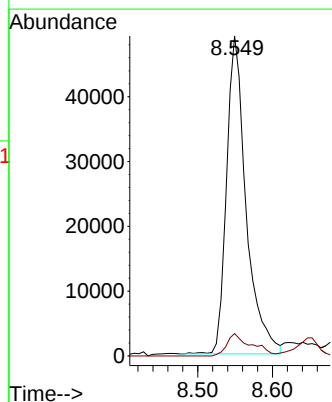
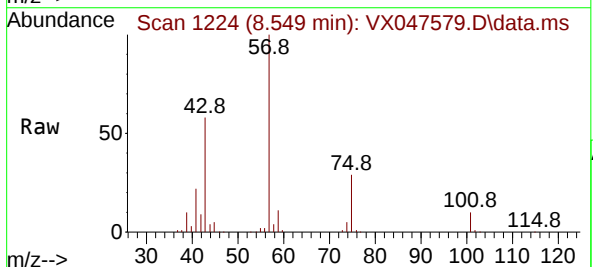
Instrument :
MSVOA_X
ClientSampleId :
CONTAINMENT-B

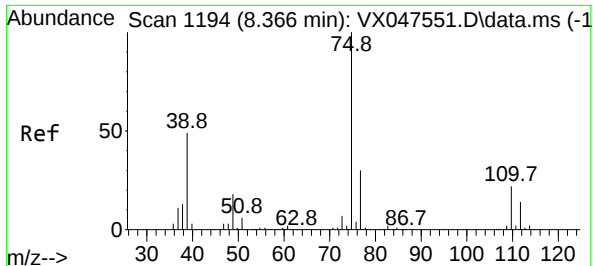
Tgt Ion: 98 Resp: 495076
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 24.684 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

Tgt Ion: 43 Resp: 89289
Ion Ratio Lower Upper
43 100
58 8.8 30.4 45.6#

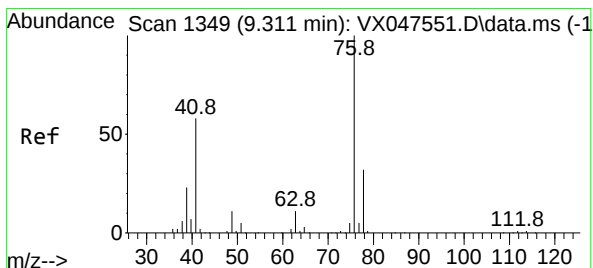
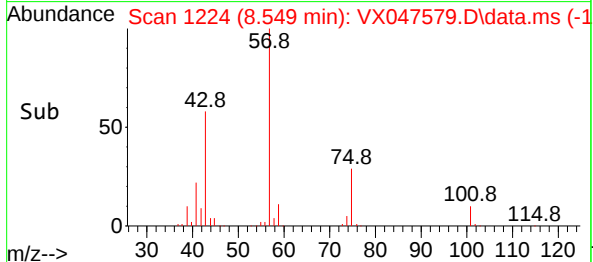
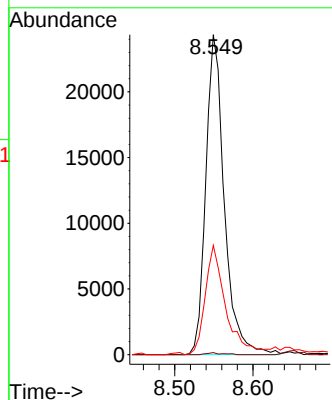
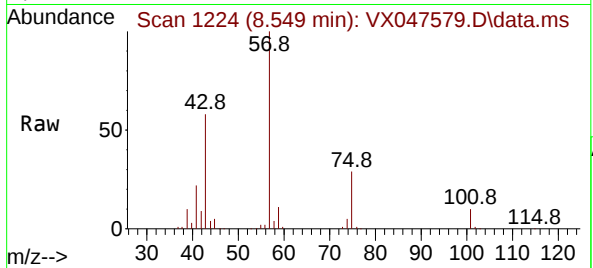




#54
 cis-1,3-Dichloropropene
 Concen: 8.545 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX047579.D
 Acq: 02 Sep 2025 13:23

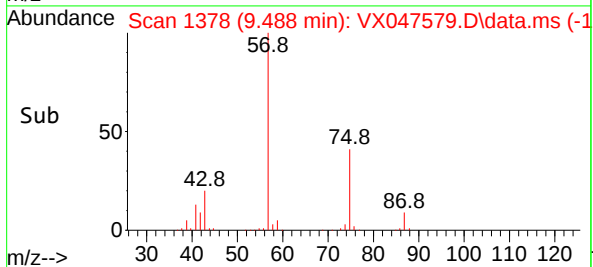
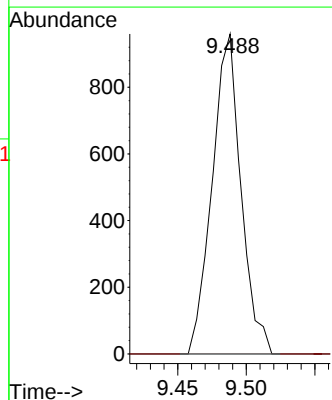
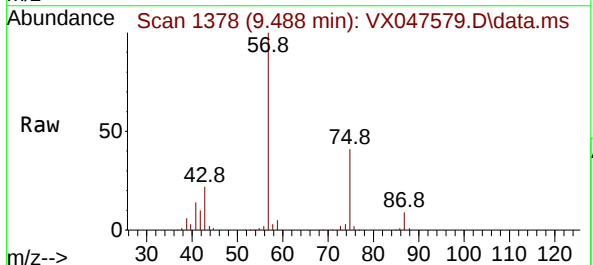
Instrument :
 MSVOA_X
 ClientSampleId :
 CONTAINMENT-B

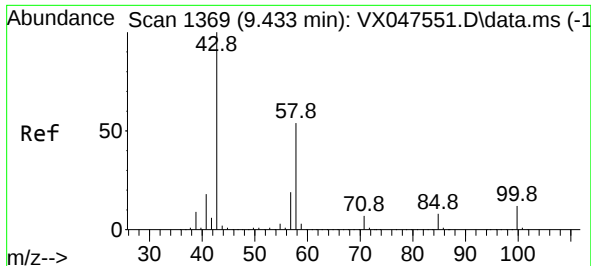
Tgt Ion: 75 Resp: 39917
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.3 36.5#
 39 32.8 39.0 58.4#



#57
 1,3-Dichloropropane
 Concen: 0.276 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX047579.D
 Acq: 02 Sep 2025 13:23

Tgt Ion: 76 Resp: 1403
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#





#59

2-Hexanone

Concen: 3.434 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX047579.D

Acq: 02 Sep 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

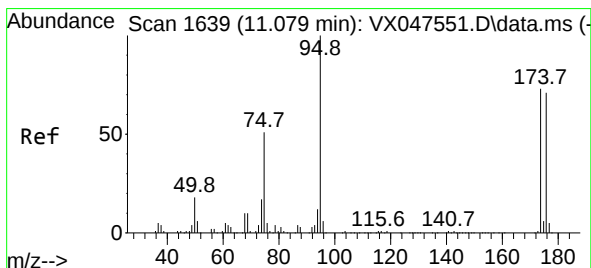
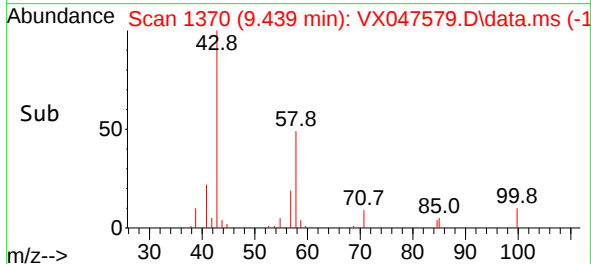
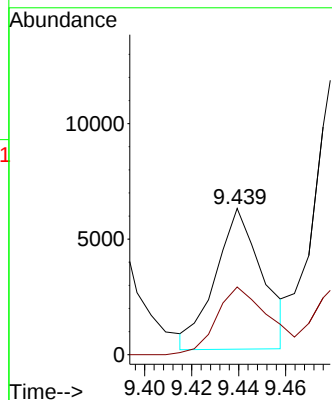
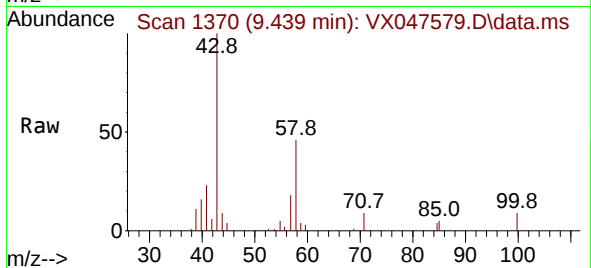
CONTAINMENT-B

Tgt Ion: 43 Resp: 8485

Ion Ratio Lower Upper

43 100

58 54.3 26.7 80.0



#62

4-Bromofluorobenzene

Concen: 58.791 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX047579.D

Acq: 02 Sep 2025 13:23

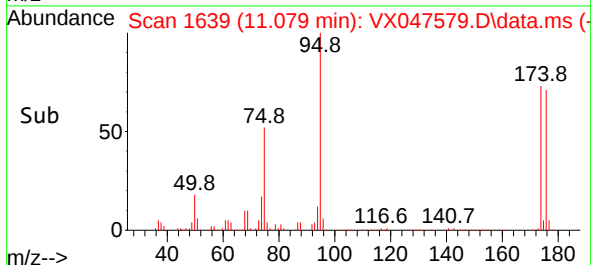
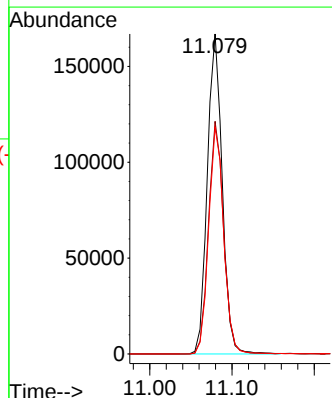
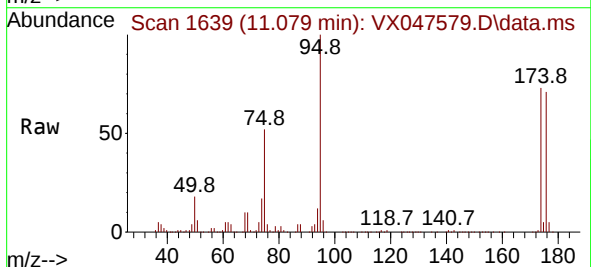
Tgt Ion: 95 Resp: 210280

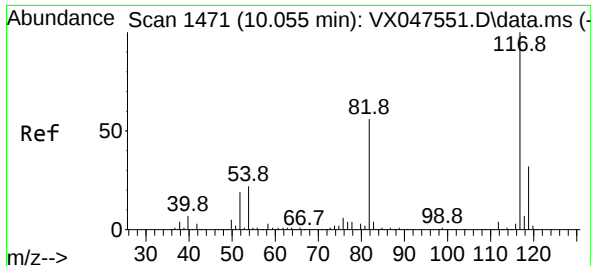
Ion Ratio Lower Upper

95 100

174 73.8 0.0 145.2

176 71.5 0.0 140.4

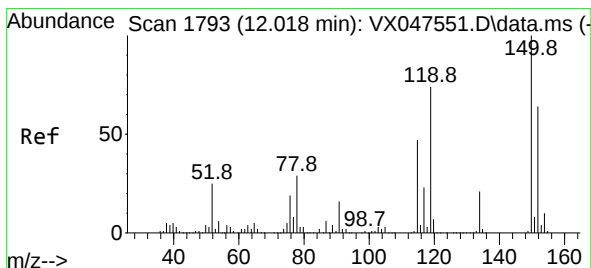
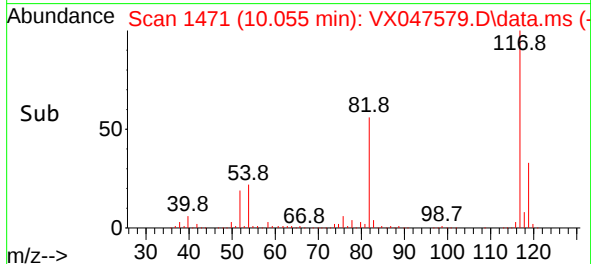
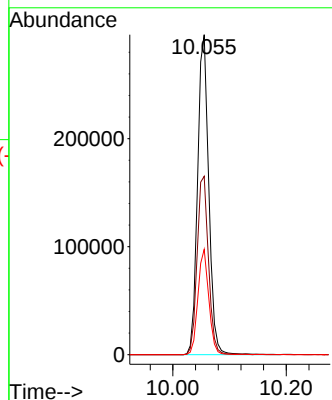
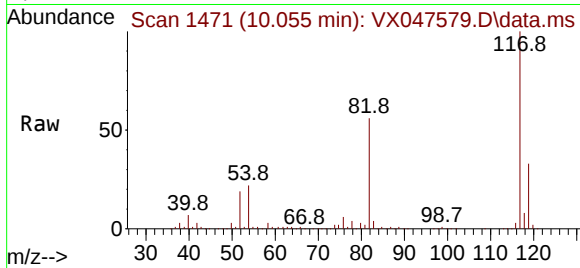




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

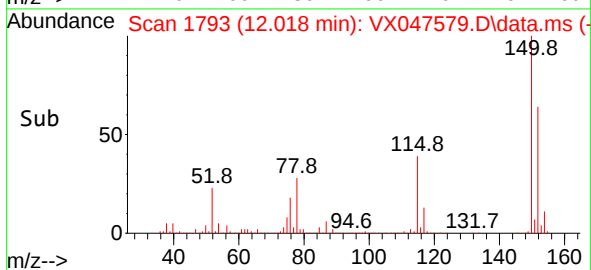
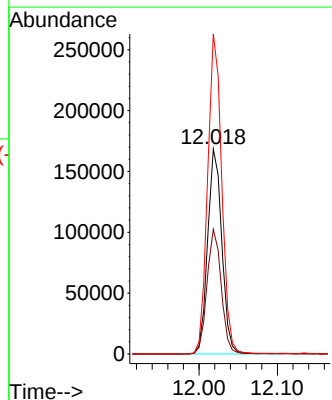
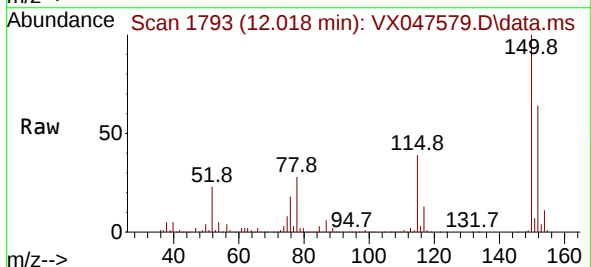
Instrument :
MSVOA_X
ClientSampleId :
CONTAINMENT-B

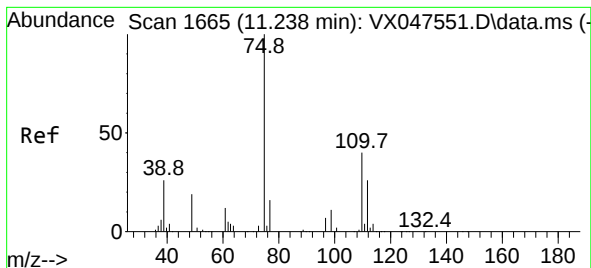
Tgt Ion:117 Resp: 403743
Ion Ratio Lower Upper
117 100
82 55.8 44.6 66.8
119 32.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047579.D
Acq: 02 Sep 2025 13:23

Tgt Ion:152 Resp: 211855
Ion Ratio Lower Upper
152 100
115 60.8 42.9 128.5
150 155.4 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 28.663 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX047579.D

Acq: 02 Sep 2025 13:23

Instrument :

MSVOA_X

ClientSampleId :

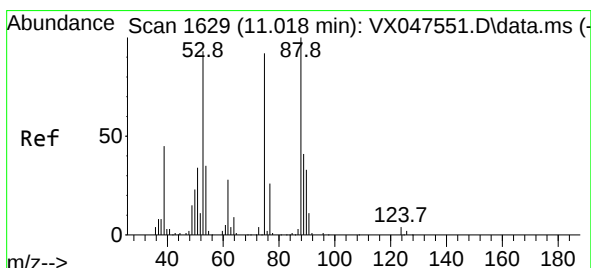
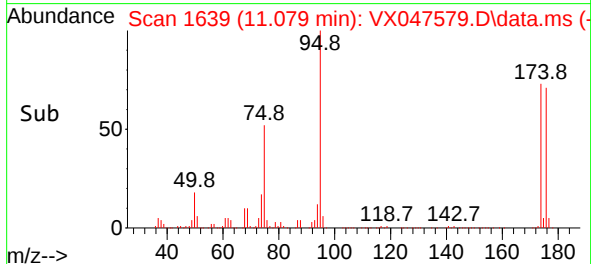
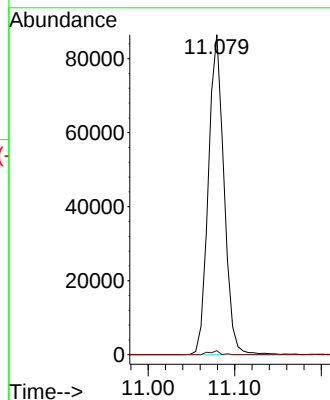
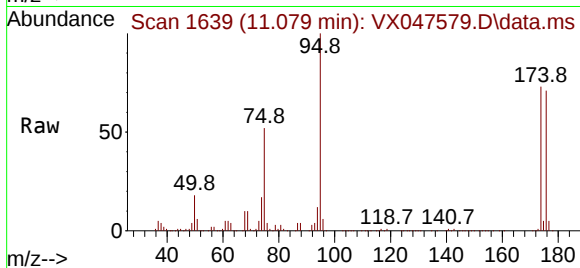
CONTAINMENT-B

Tgt Ion: 75 Resp: 108376

Ion Ratio Lower Upper

75 100

77 0.8 19.7 59.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.486 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047579.D

Acq: 02 Sep 2025 13:23

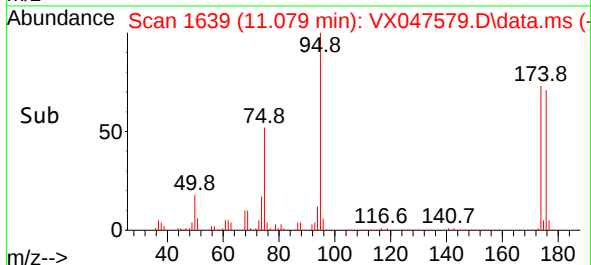
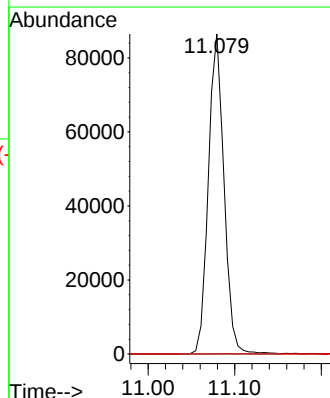
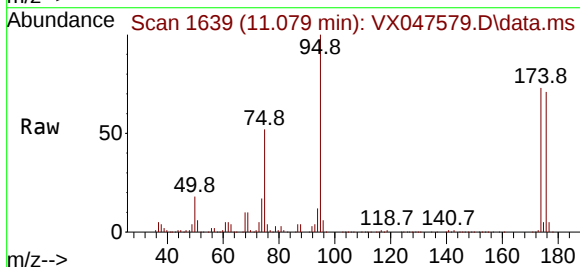
Tgt Ion: 75 Resp: 108376

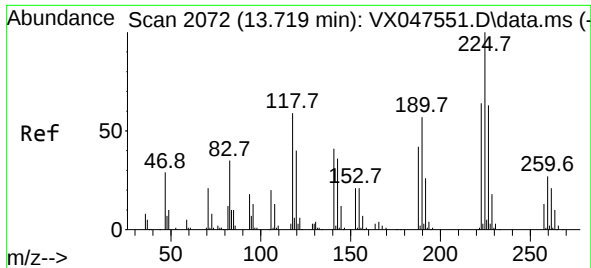
Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

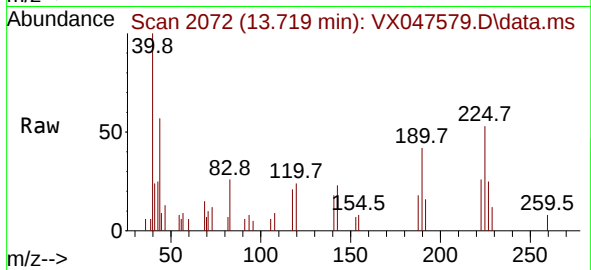
89 0.0 36.4 54.6#





#94
 Hexachlorobutadiene
 Concen: 0.299 ug/l
 RT: 13.719 min Scan# 2072
 Delta R.T. -0.000 min
 Lab File: VX047579.D
 Acq: 02 Sep 2025 13:23

Instrument :
 MSVOA_X
 ClientSampleId :
 CONTAINMENT-B



Tgt Ion:	225	Resp:	461
Ion	Ratio	Lower	Upper
225	100		
223	58.8	31.1	93.5
227	74.8	31.8	95.3

