

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080125\
 Data File : VX047208.D
 Acq On : 01 Aug 2025 16:02
 Operator : JC/MD
 Sample : Q2744-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 02 00:27:07 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)

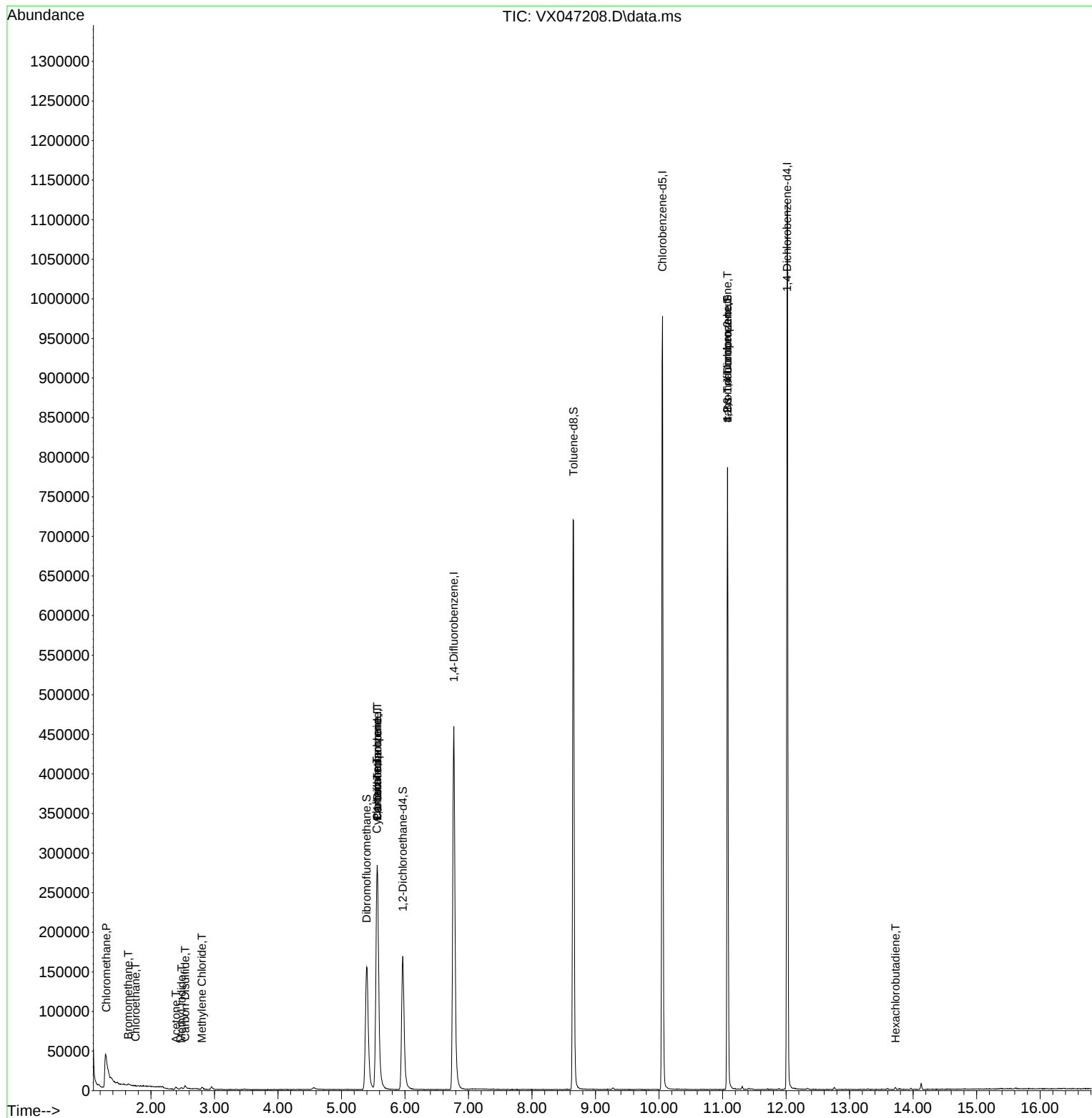
Internal Standards						
1) Pentafluorobenzene	5.562	168	283674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	488674	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	440161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	222884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	174167	49.288	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.580%
35) Dibromofluoromethane	5.397	113	151680	50.271	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.540%
50) Toluene-d8	8.653	98	456613	46.730	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.460%
62) 4-Bromofluorobenzene	11.079	95	214091	50.843	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.680%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	2001	0.537	ug/l #	43
5) Bromomethane	1.642	94	577	0.265	ug/l	94
6) Chloroethane	1.758	64	605	0.230	ug/l #	58
10) Methyl Iodide	2.483	142	3089	0.842	ug/l #	68
11) Tert butyl alcohol	2.959	59	1462	Below Cal	#	72
16) Acetone	2.392	43	3331	2.353	ug/l	90
17) Carbon Disulfide	2.538	76	4893	0.474	ug/l	95
20) Methylene Chloride	2.800	84	1229	0.316	ug/l #	85
31) Cyclohexane	5.556	56	6192	0.937	ug/l #	22
36) 1,1-Dichloropropene	5.562	75	24367	4.738	ug/l #	50
38) Carbon Tetrachloride	5.562	117	31215	5.686	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	109847	26.627	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	109847	68.600	ug/l #	8
94) Hexachlorobutadiene	13.725	225	588	0.342	ug/l	97

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

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MSVOA_X
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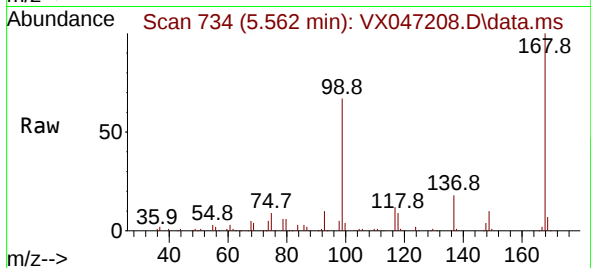
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



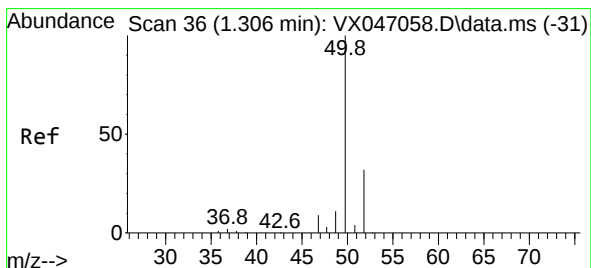
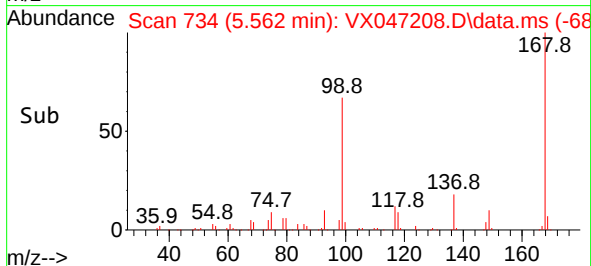
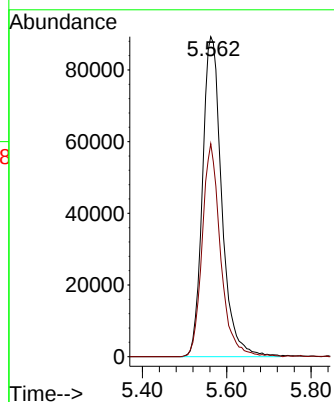


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047208.D
Acq: 01 Aug 2025 16:02

Instrument :
MSVOA_X
ClientSampleId :

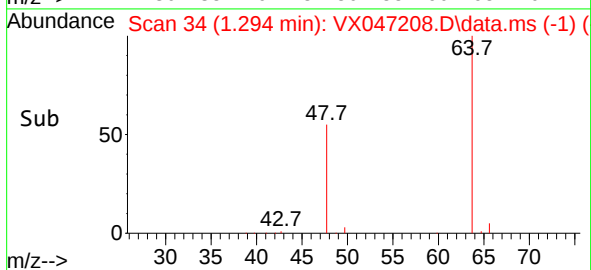
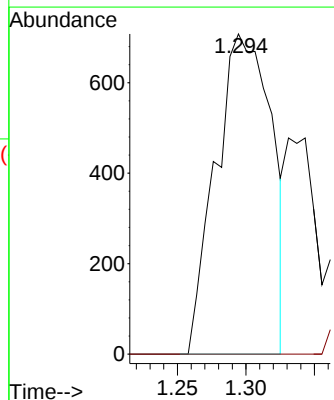
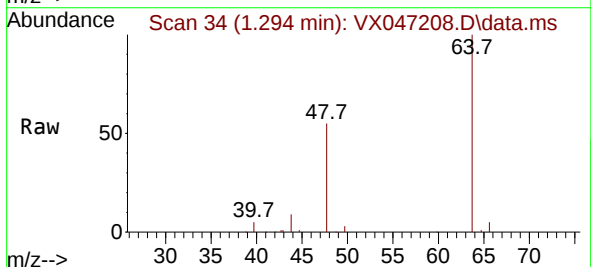


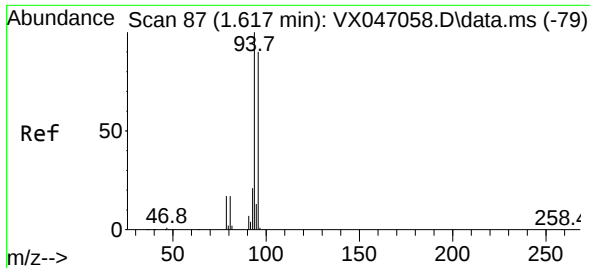
Tgt Ion:168 Resp: 283674
Ion Ratio Lower Upper
168 100
99 66.6 48.0 72.0



#3
Chloromethane
Concen: 0.537 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX047208.D
Acq: 01 Aug 2025 16:02

Tgt Ion: 50 Resp: 2001
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

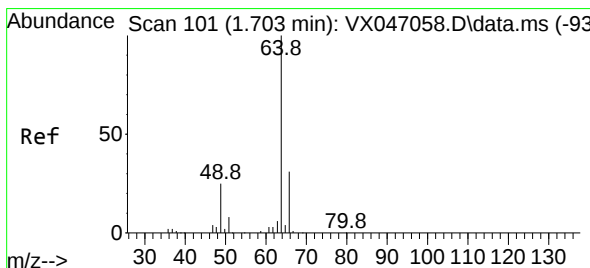
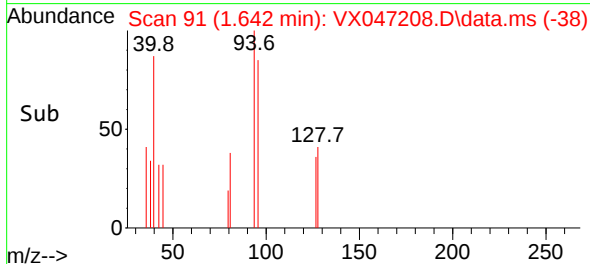
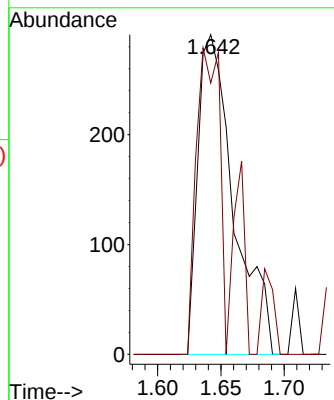
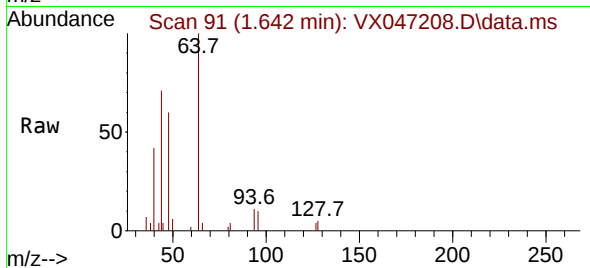




#5
 Bromomethane
 Concen: 0.265 ug/l
 RT: 1.642 min Scan# 91
 Delta R.T. 0.025 min
 Lab File: VX047208.D
 Acq: 01 Aug 2025 16:02

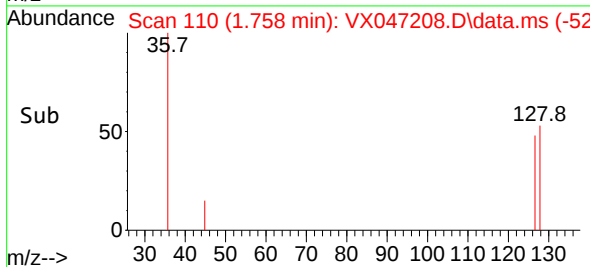
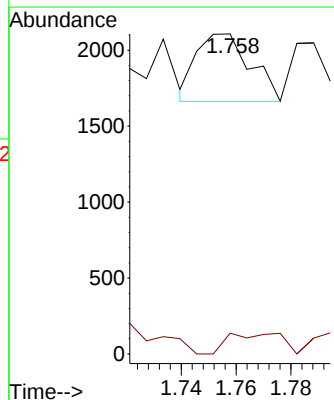
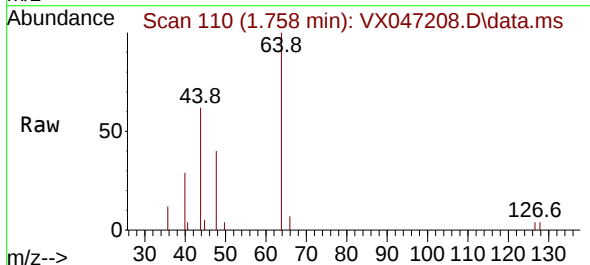
Instrument :
 MSVOA_X
 ClientSampleId :

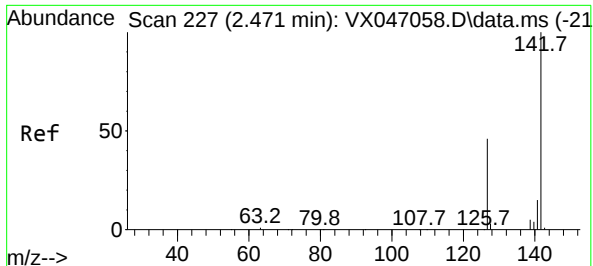
Tgt Ion: 94 Resp: 577
 Ion Ratio Lower Upper
 94 100
 96 84.9 72.3 108.5



#6
 Chloroethane
 Concen: 0.230 ug/l
 RT: 1.758 min Scan# 110
 Delta R.T. 0.055 min
 Lab File: VX047208.D
 Acq: 01 Aug 2025 16:02

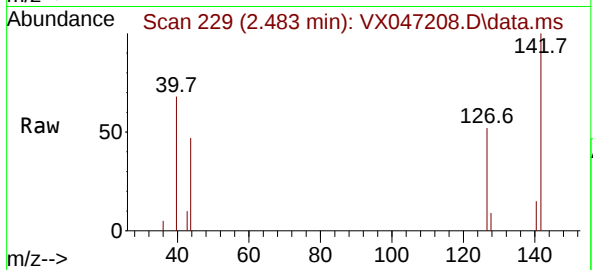
Tgt Ion: 64 Resp: 605
 Ion Ratio Lower Upper
 64 100
 66 8.1 25.0 37.6#



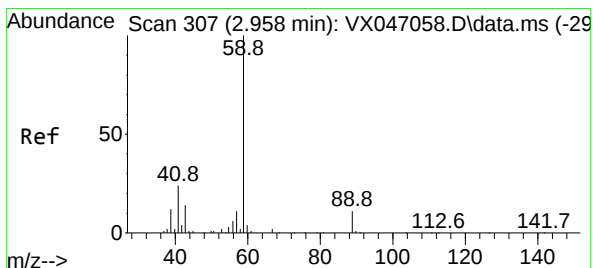
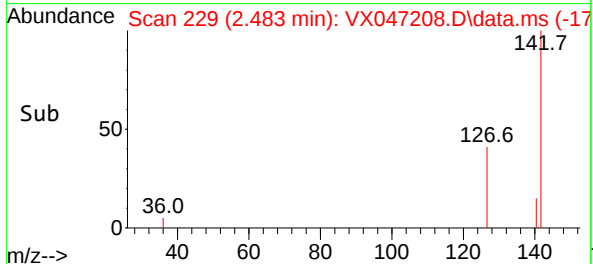
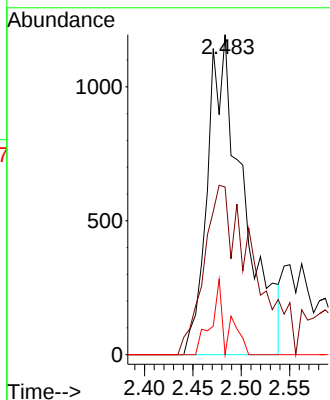


#10
Methyl Iodide
Concen: 0.842 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX047208.D
Acq: 01 Aug 2025 16:02

Instrument :
MSVOA_X
ClientSampleId :

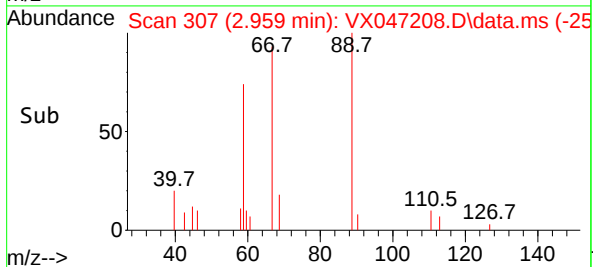
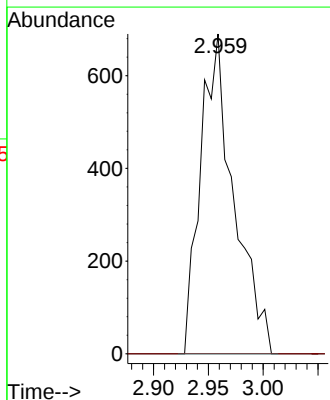
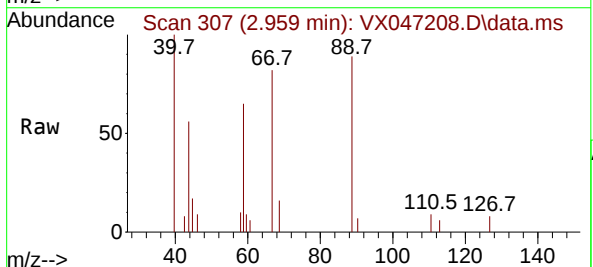


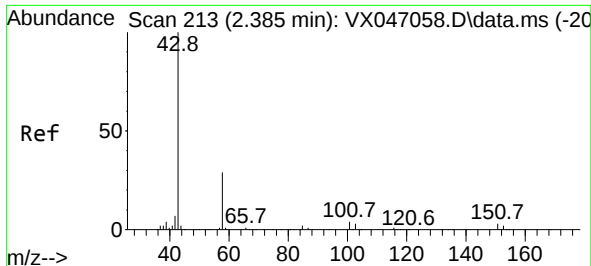
Tgt Ion:142 Resp: 3089
Ion Ratio Lower Upper
142 100
127 71.8 36.6 54.8#
141 10.4 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047208.D
Acq: 01 Aug 2025 16:02

Tgt Ion: 59 Resp: 1462
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

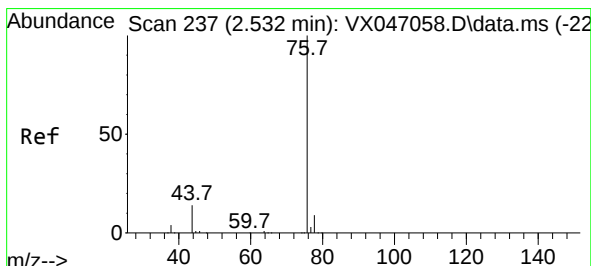
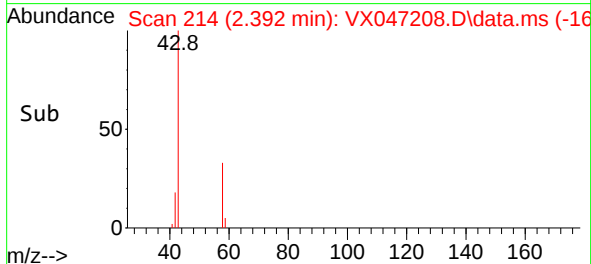
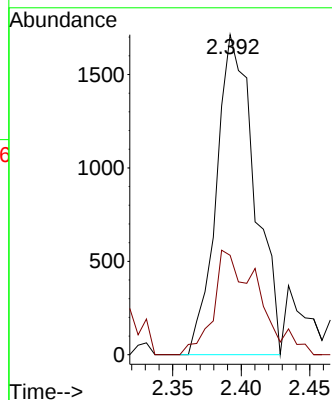
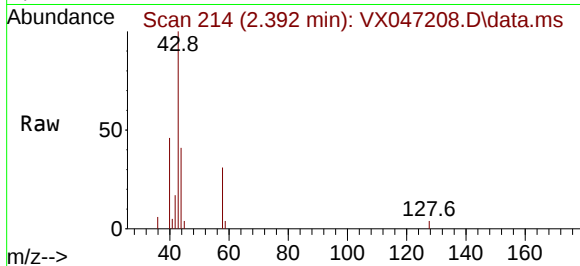




#16
Acetone
Concen: 2.353 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX047208.D
Acq: 01 Aug 2025 16:02

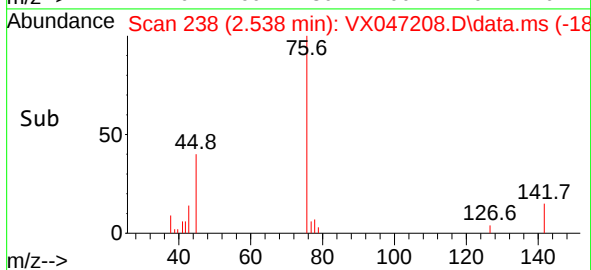
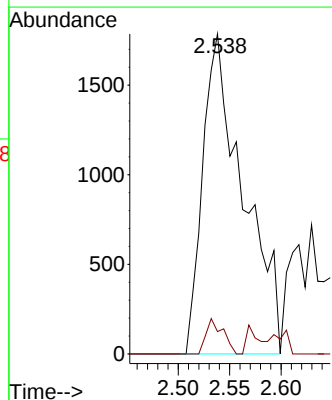
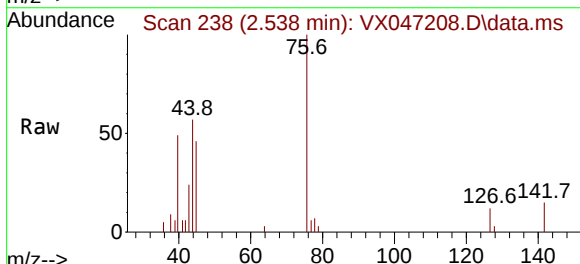
Instrument :
MSVOA_X
ClientSampleId :

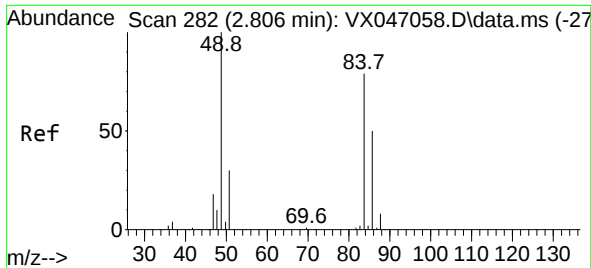
Tgt Ion: 43 Resp: 3331
Ion Ratio Lower Upper
43 100
58 35.4 24.0 36.0



#17
Carbon Disulfide
Concen: 0.474 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047208.D
Acq: 01 Aug 2025 16:02

Tgt Ion: 76 Resp: 4893
Ion Ratio Lower Upper
76 100
78 7.0 7.0 10.4

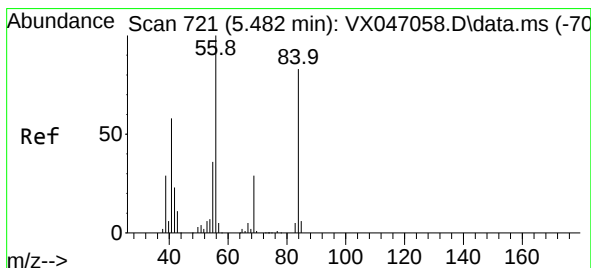
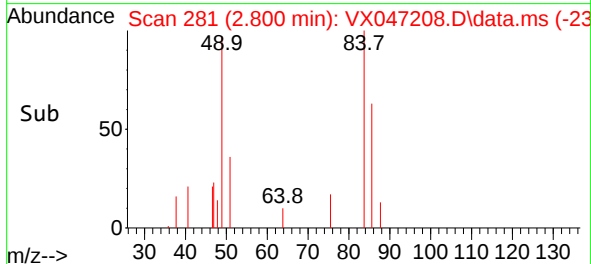
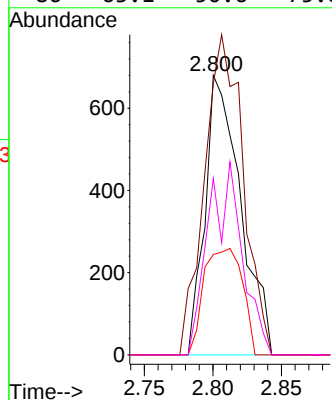
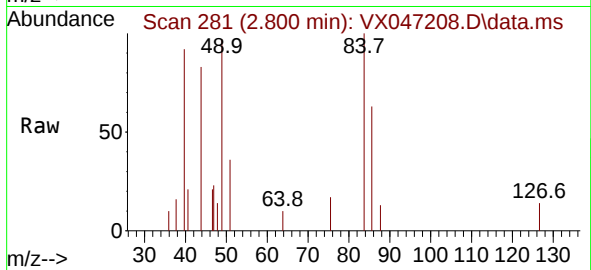




#20
Methylene Chloride
Concen: 0.316 ug/l
RT: 2.800 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047208.D
Acq: 01 Aug 2025 16:02

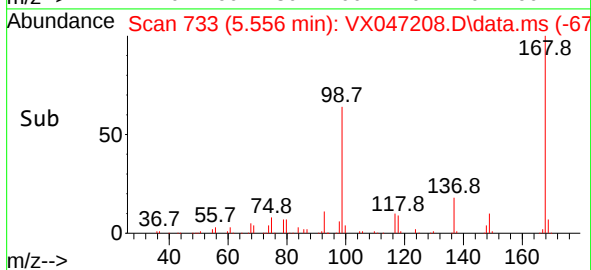
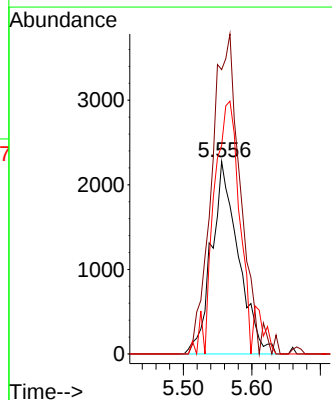
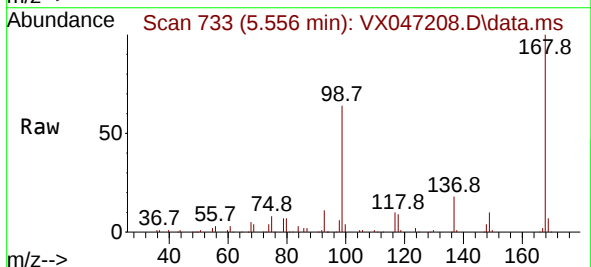
Instrument :
MSVOA_X
ClientSampleId :

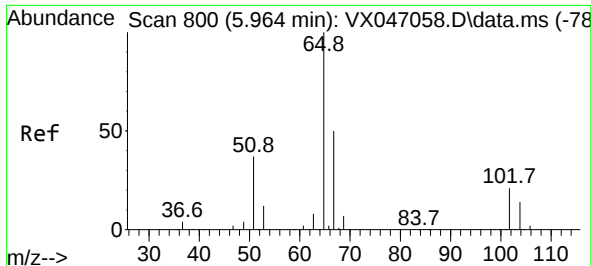
Tgt Ion:	84	Resp:	1229
Ion	Ratio	Lower	Upper
84	100		
49	97.1	101.6	152.4#
51	35.9	30.3	45.5
86	63.1	50.6	75.8



#31
Cyclohexane
Concen: 0.937 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.074 min
Lab File: VX047208.D
Acq: 01 Aug 2025 16:02

Tgt Ion:	56	Resp:	6192
Ion	Ratio	Lower	Upper
56	100		
69	147.7	23.3	34.9#
84	108.3	66.5	99.7#





#33

1,2-Dichloroethane-d4

Concen: 49.288 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047208.D

Acq: 01 Aug 2025 16:02

Instrument :

MSVOA_X

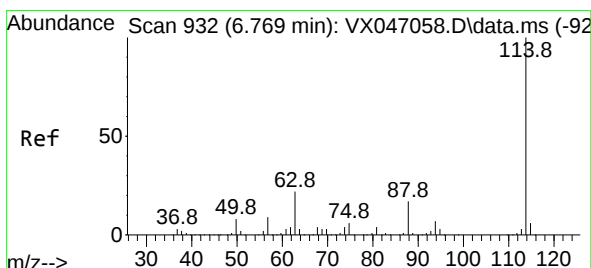
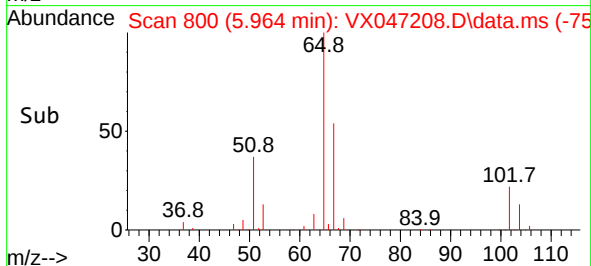
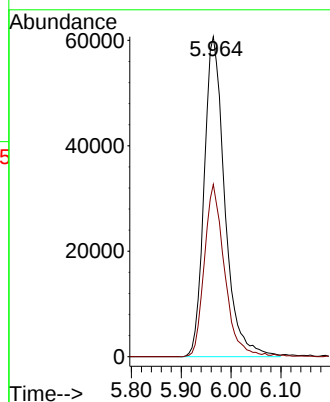
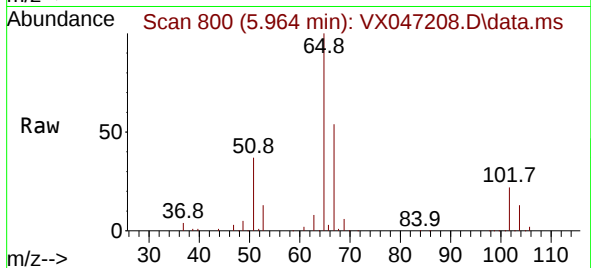
ClientSampleId :

Tgt Ion: 65 Resp: 174167

Ion Ratio Lower Upper

65 100

67 52.7 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: VX047208.D

Acq: 01 Aug 2025 16:02

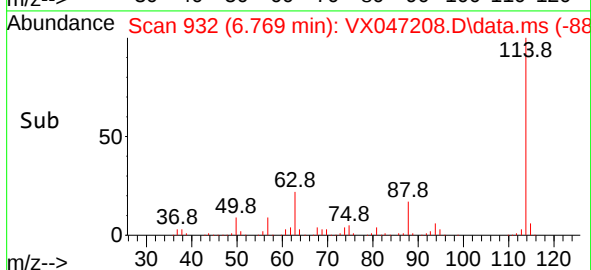
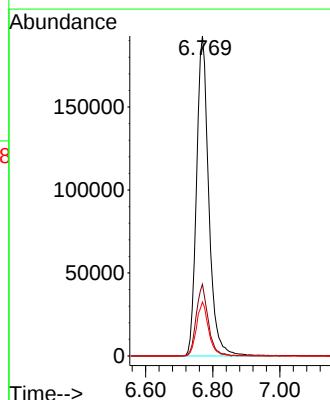
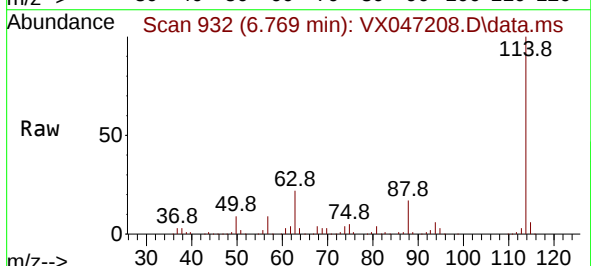
Tgt Ion: 114 Resp: 488674

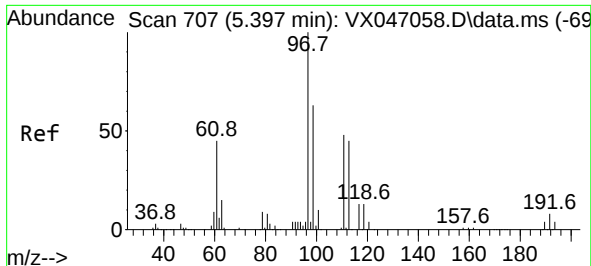
Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.2

88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.271 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

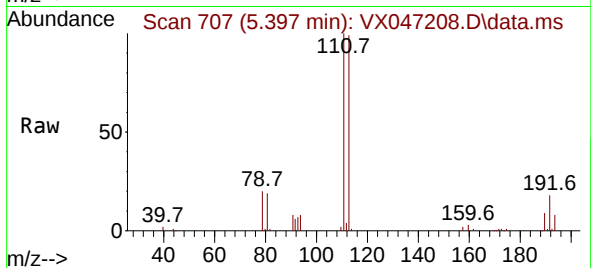
Lab File: VX047208.D

Acq: 01 Aug 2025 16:02

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MSVOA_X

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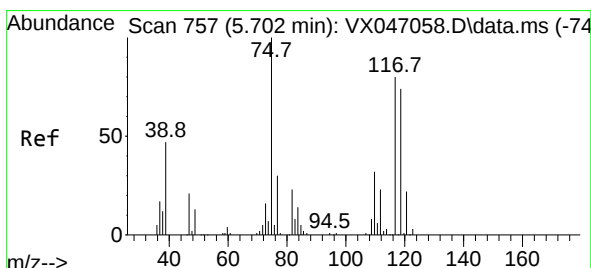
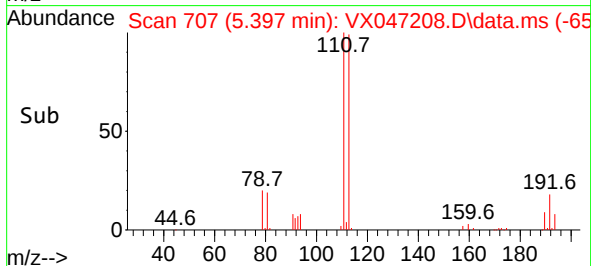
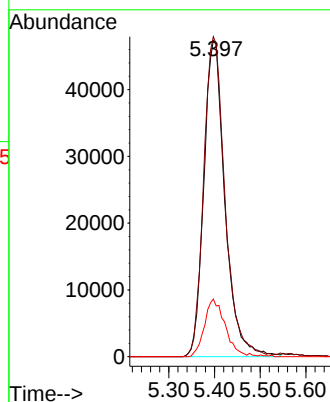
Tgt Ion:113 Resp: 151680

Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 17.8 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.738 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX047208.D

Acq: 01 Aug 2025 16:02

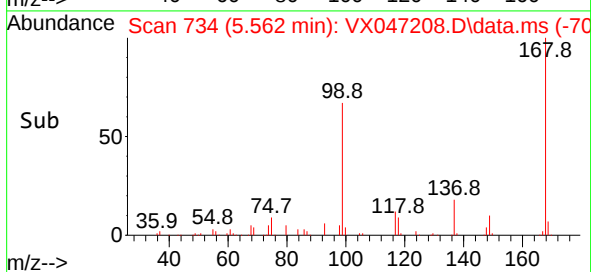
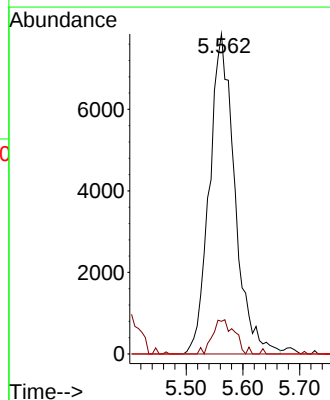
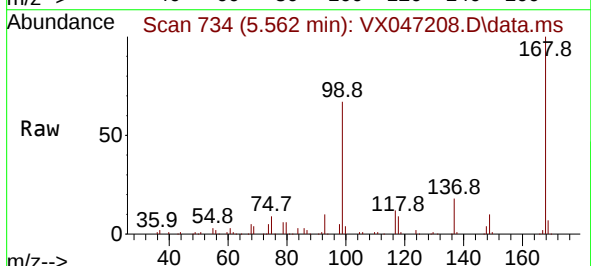
Tgt Ion: 75 Resp: 24367

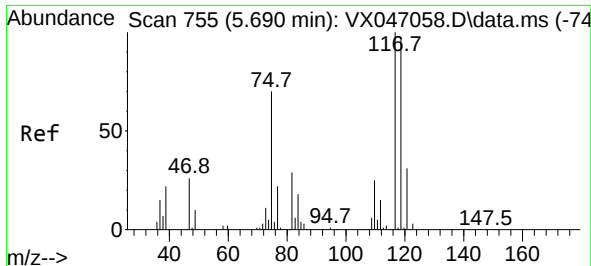
Ion Ratio Lower Upper

75 100

110 9.1 17.2 51.5#

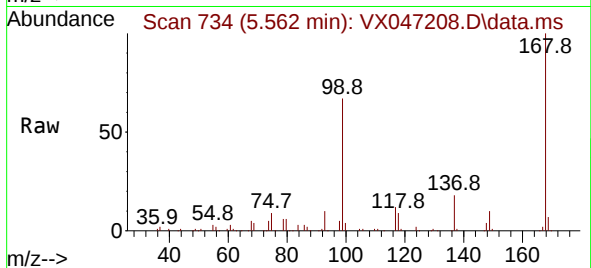
77 0.0 25.1 37.7#



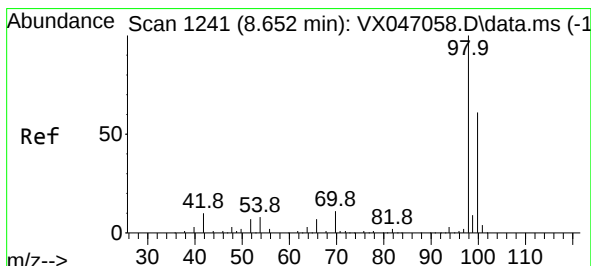
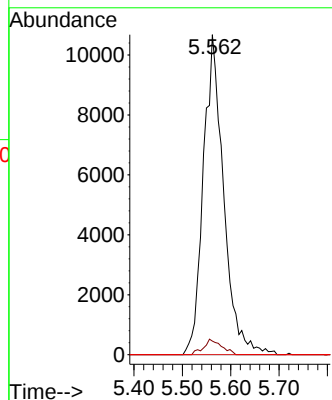
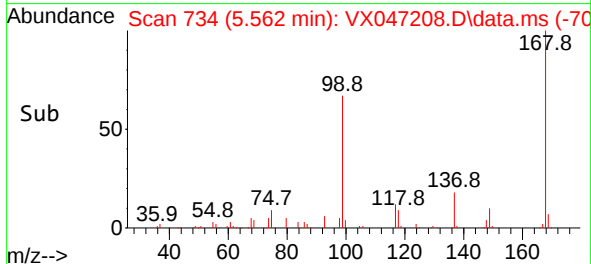


#38
Carbon Tetrachloride
Concen: 5.686 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047208.D
Acq: 01 Aug 2025 16:02

Instrument :
MSVOA_X
ClientSampleId :

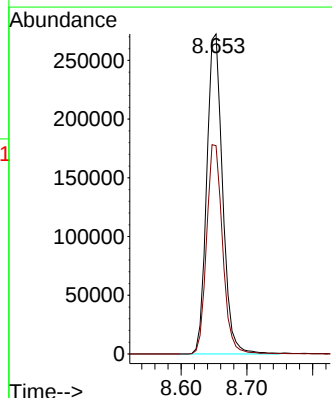
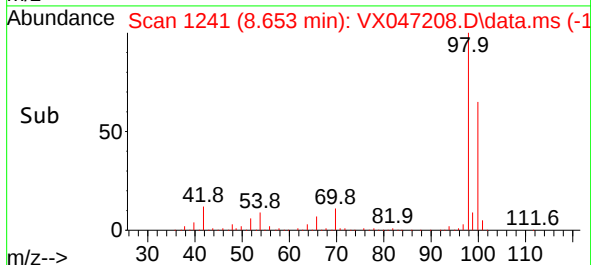
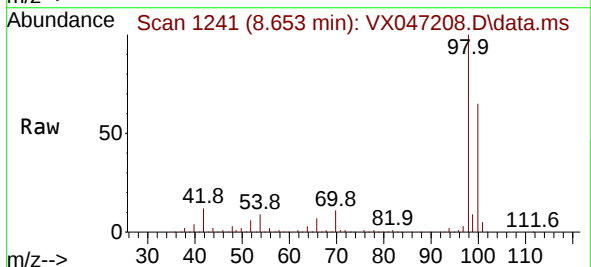


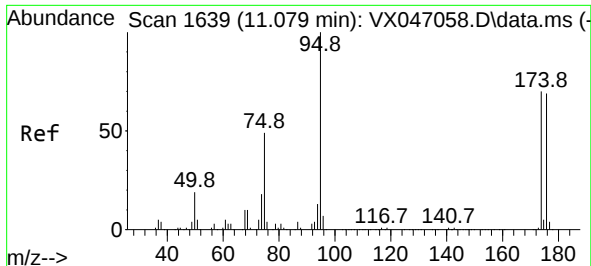
Tgt Ion:117 Resp: 31215
Ion Ratio Lower Upper
117 100
119 4.3 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 46.730 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047208.D
Acq: 01 Aug 2025 16:02

Tgt Ion: 98 Resp: 456613
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 50.843 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047208.D

Acq: 01 Aug 2025 16:02

Instrument :

MSVOA_X

ClientSampleId :

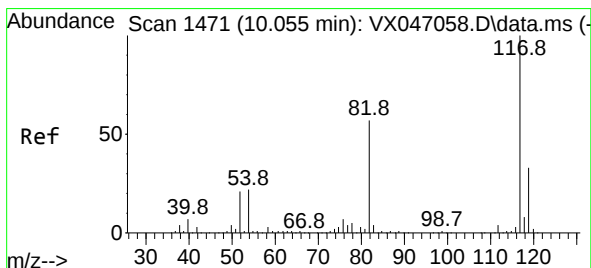
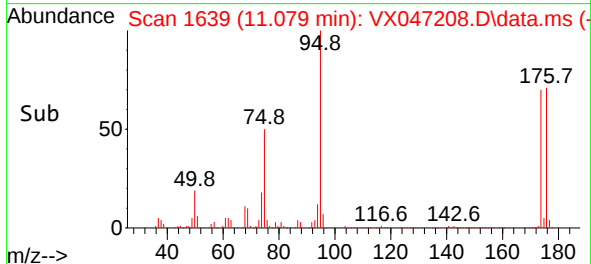
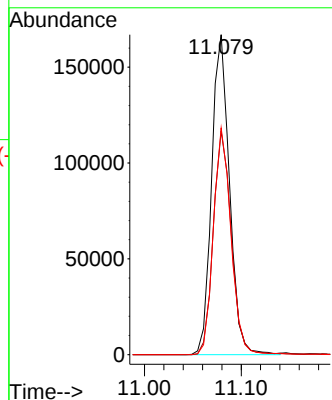
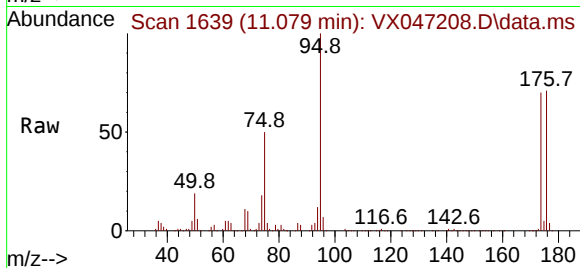
Tgt Ion: 95 Resp: 214091

Ion Ratio Lower Upper

95 100

174 70.7 0.0 144.6

176 70.3 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: VX047208.D

Acq: 01 Aug 2025 16:02

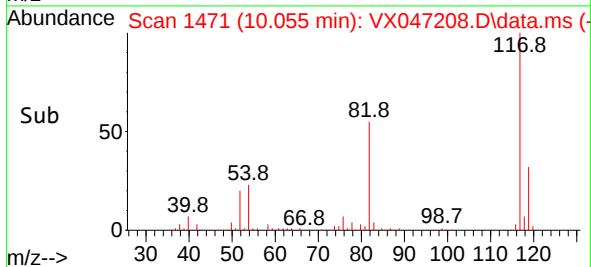
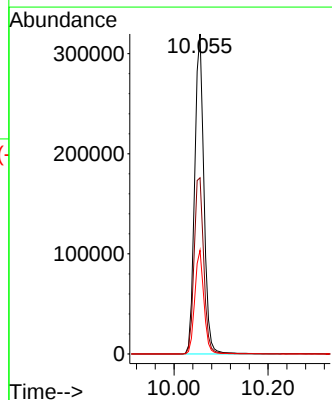
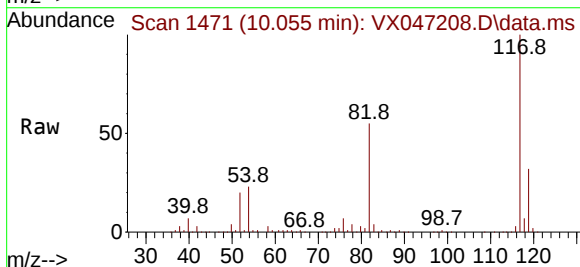
Tgt Ion: 117 Resp: 440161

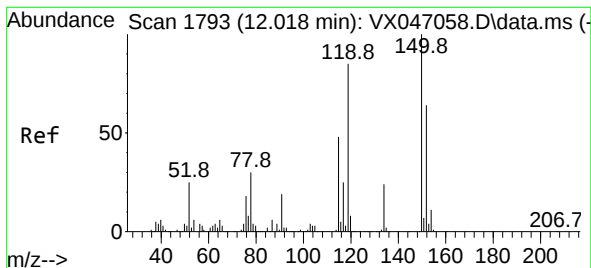
Ion Ratio Lower Upper

117 100

82 55.1 45.4 68.2

119 32.4 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

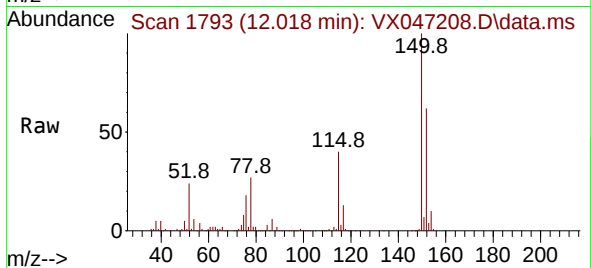
Lab File: VX047208.D

Acq: 01 Aug 2025 16:02

Instrument :

MSVOA_X

ClientSampleId :



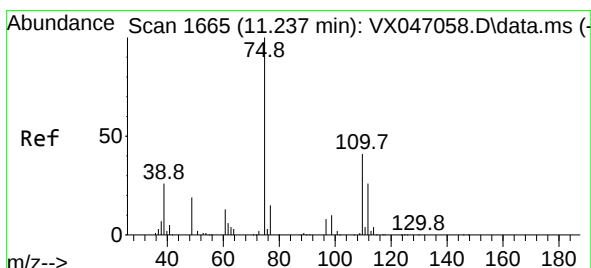
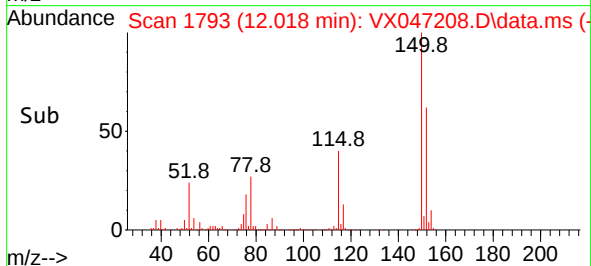
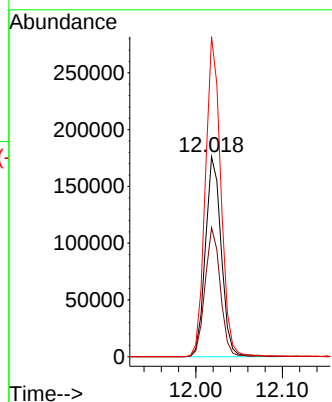
Tgt Ion:152 Resp: 222884

Ion Ratio Lower Upper

152 100

115 62.8 45.6 136.7

150 156.8 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 26.627 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047208.D

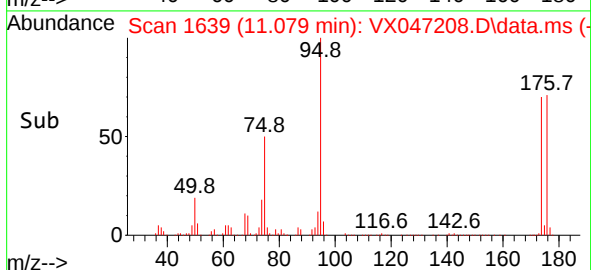
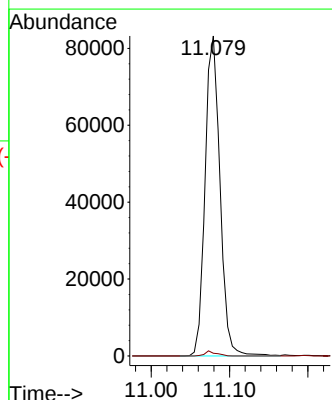
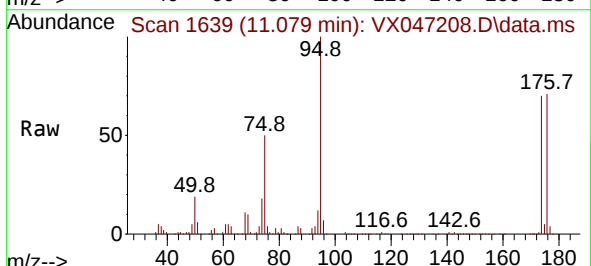
Acq: 01 Aug 2025 16:02

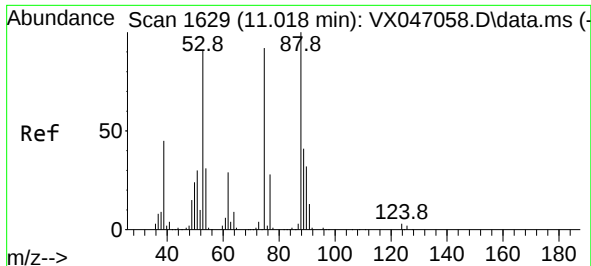
Tgt Ion: 75 Resp: 109847

Ion Ratio Lower Upper

75 100

77 1.2 21.6 65.0#

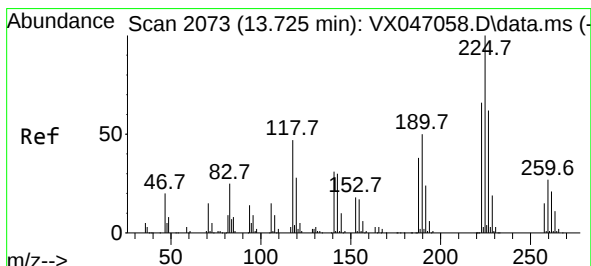
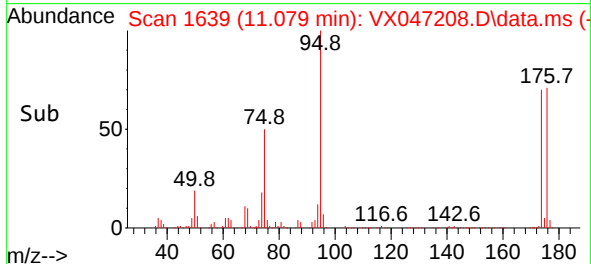
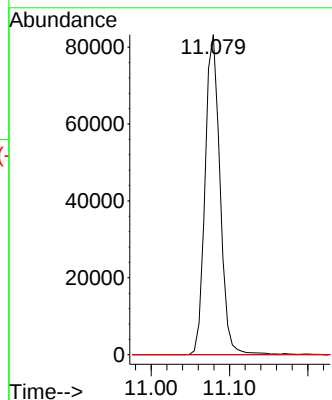
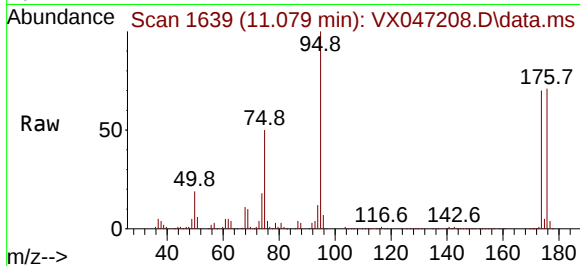




#81
trans-1,4-Dichloro-2-butene
Concen: 68.600 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047208.D
Acq: 01 Aug 2025 16:02

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 109847
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#



#94
Hexachlorobutadiene
Concen: 0.342 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047208.D
Acq: 01 Aug 2025 16:02

Tgt Ion: 225 Resp: 588
Ion Ratio Lower Upper
225 100
223 65.8 31.6 95.0
227 67.3 32.9 98.6

