

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
 Data File : VX048254.D
 Acq On : 21 Oct 2025 09:40
 Operator : JC/MD
 Sample : VX1021WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBL01

Quant Time: Oct 24 04:22:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

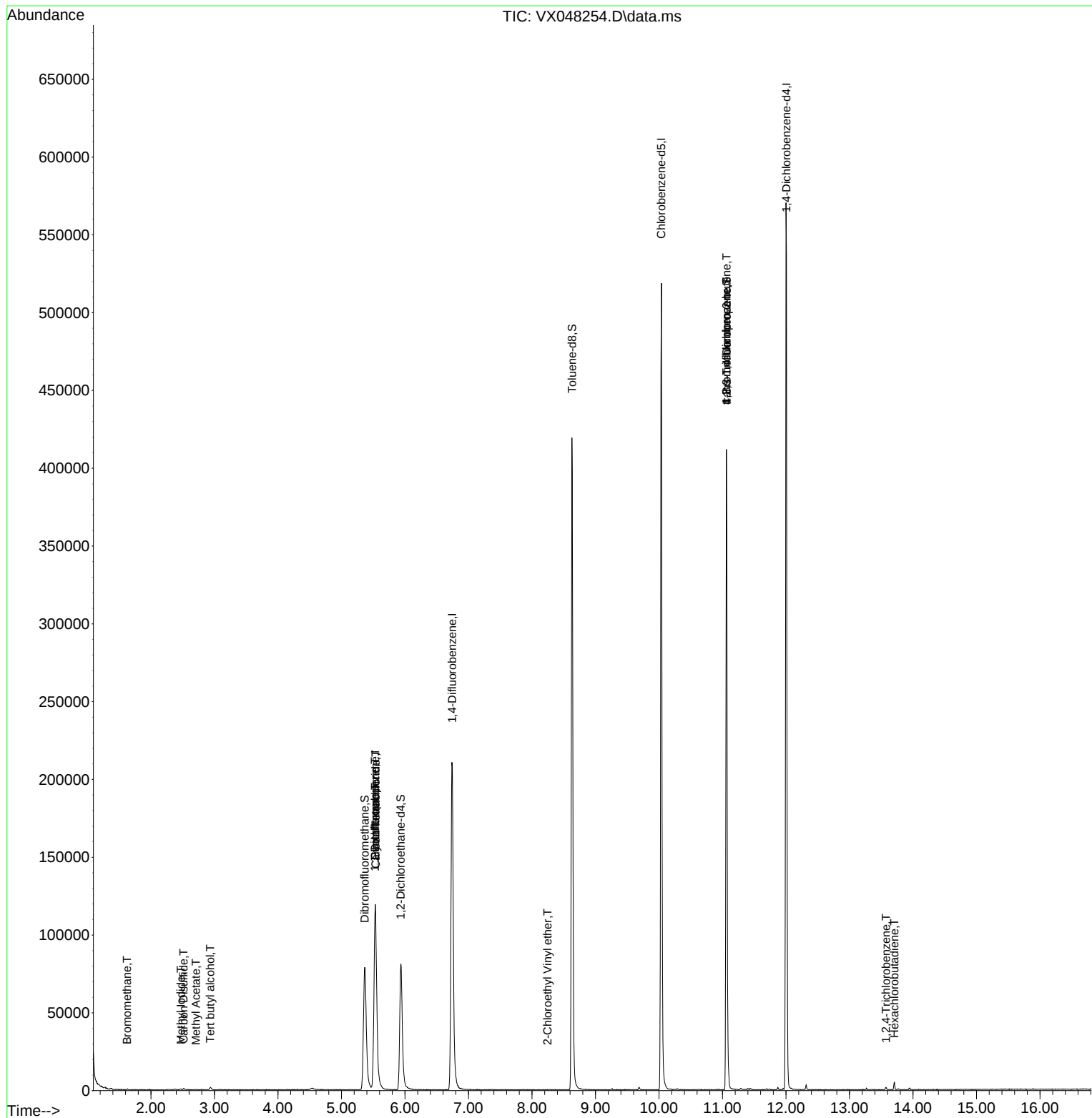
Internal Standards						
1) Pentafluorobenzene	5.532	168	121915	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	240535	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	247603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	126551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	89687	52.469	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.940%	
35) Dibromofluoromethane	5.367	113	77294	47.070	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.140%	
50) Toluene-d8	8.629	98	267020	46.391	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 92.780%	
62) 4-Bromofluorobenzene	11.061	95	115293	52.653	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.300%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	296	0.403	ug/l #	59
10) Methyl Iodide	2.471	142	773	0.467	ug/l #	81
11) Tert butyl alcohol	2.934	59	812	4.784	ug/l #	72
17) Carbon Disulfide	2.514	76	878	0.218	ug/l #	72
18) Methyl Acetate	2.709	43	311	0.254	ug/l #	54
31) Cyclohexane	5.532	56	2517	1.186	ug/l #	1
36) 1,1-Dichloropropene	5.525	75	9464	4.055	ug/l #	48
38) Carbon Tetrachloride	5.538	117	12761	4.432	ug/l #	15
58) 2-Chloroethyl Vinyl ether	8.245	63	19	1.712	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	59451	28.969	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	59451	70.479	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.573	180	558	0.201	ug/l	95
94) Hexachlorobutadiene	13.707	225	763	0.800	ug/l	97

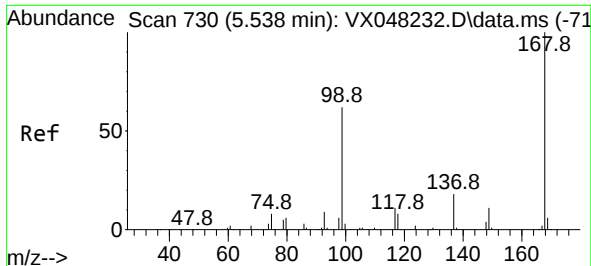
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 71

Delta R.T. -0.012 min

Lab File: VX048254.D

Acq: 21 Oct 2025 09:40

Instrument :

MSVOA_X

ClientSampleId :

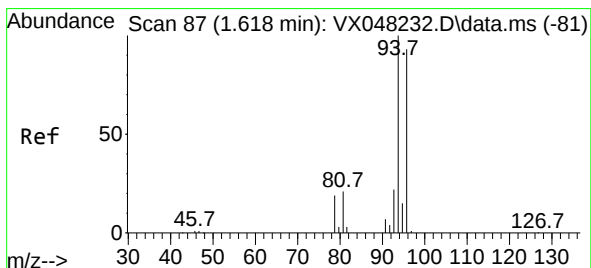
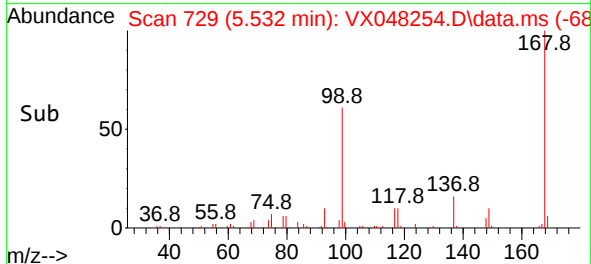
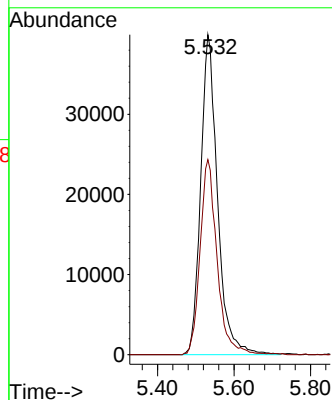
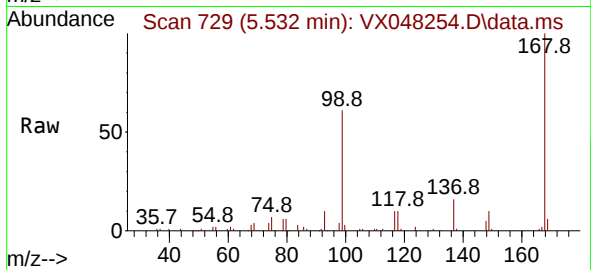
VX1021WBL01

Tgt Ion:168 Resp: 121915

Ion Ratio Lower Upper

168 100

99 60.9 46.4 69.6



#5

Bromomethane

Concen: 0.403 ug/l

RT: 1.624 min Scan# 88

Delta R.T. 0.006 min

Lab File: VX048254.D

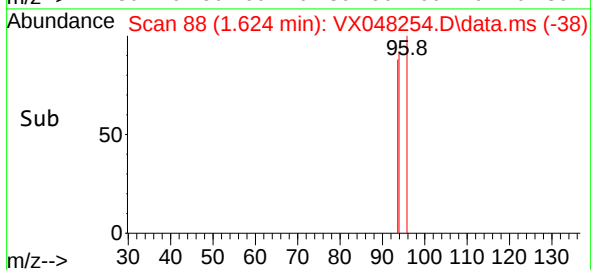
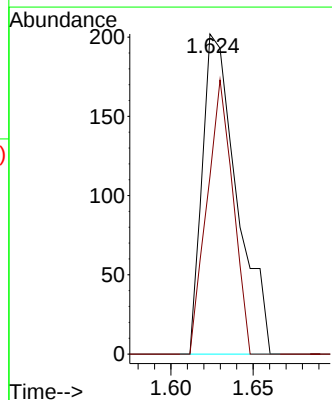
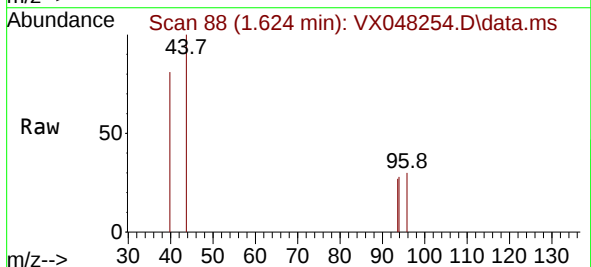
Acq: 21 Oct 2025 09:40

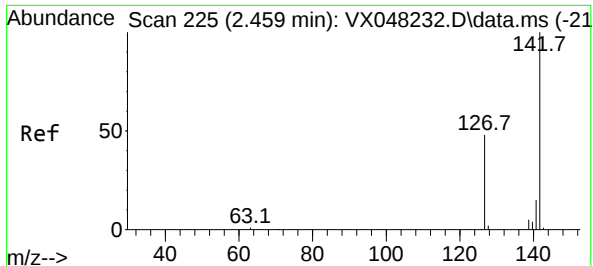
Tgt Ion: 94 Resp: 296

Ion Ratio Lower Upper

94 100

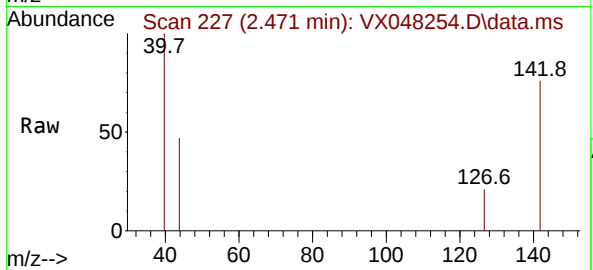
96 55.4 76.0 114.0#



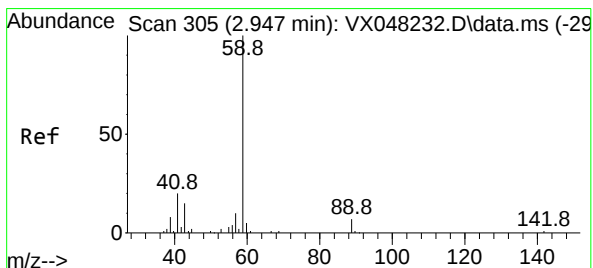
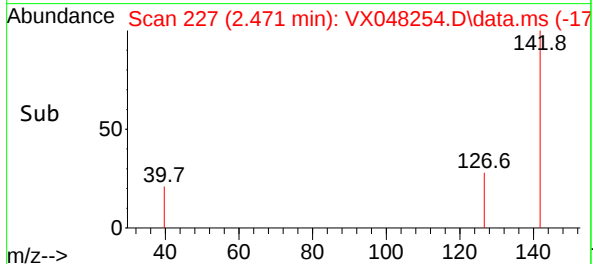
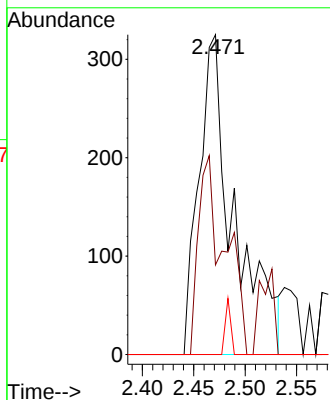


#10
Methyl Iodide
Concen: 0.467 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

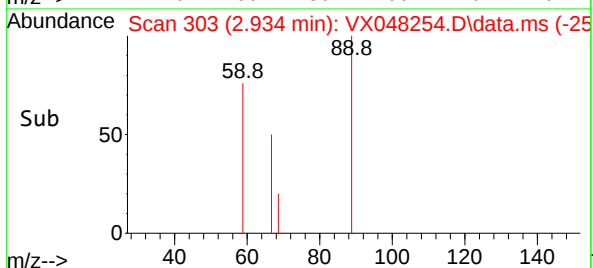
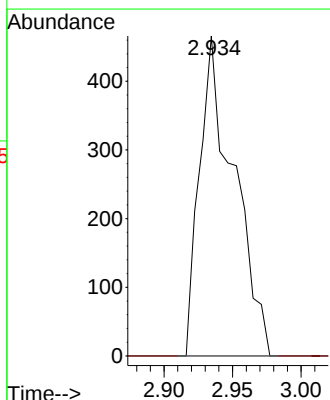
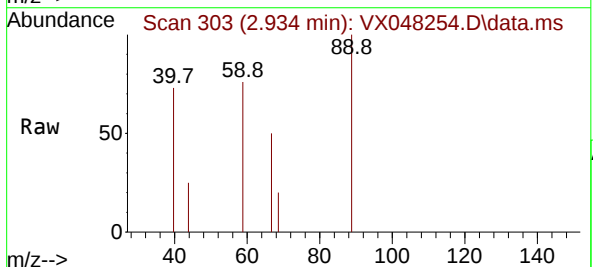


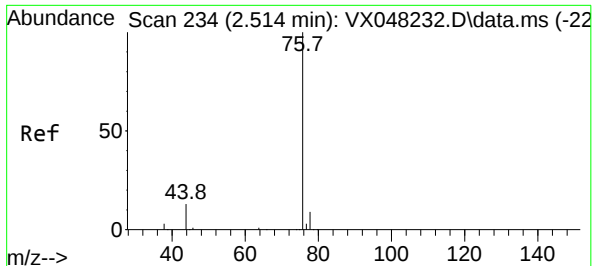
Tgt Ion:142 Resp: 773
Ion Ratio Lower Upper
142 100
127 37.5 38.5 57.7#
141 2.7 11.6 17.4#



#11
Tert butyl alcohol
Concen: 4.784 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion: 59 Resp: 812
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

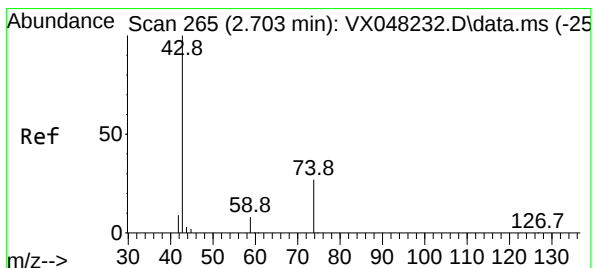
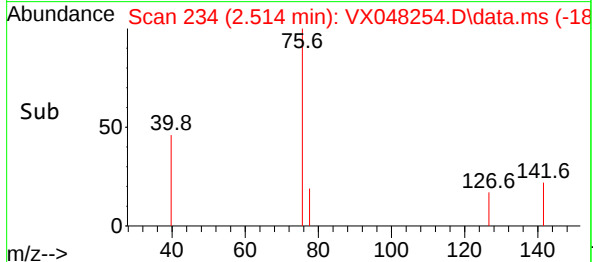
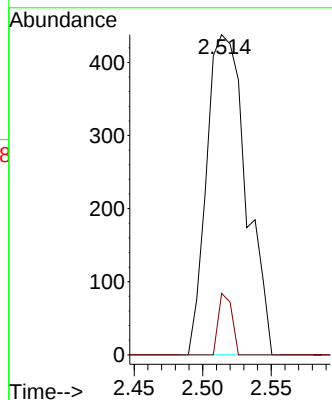
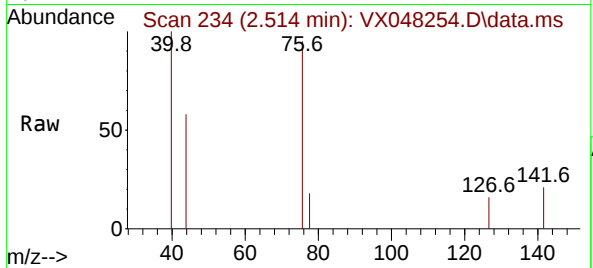




#17
Carbon Disulfide
Concen: 0.218 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

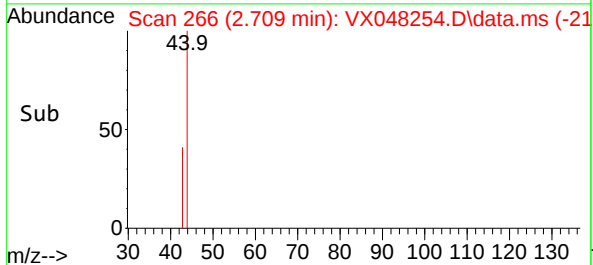
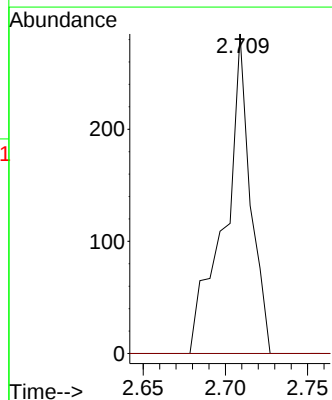
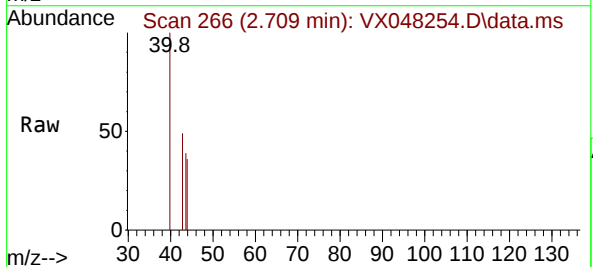
Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

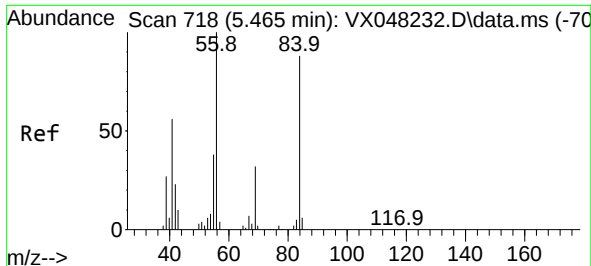
Tgt Ion: 76 Resp: 878
Ion Ratio Lower Upper
76 100
78 19.2 7.1 10.7#



#18
Methyl Acetate
Concen: 0.254 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

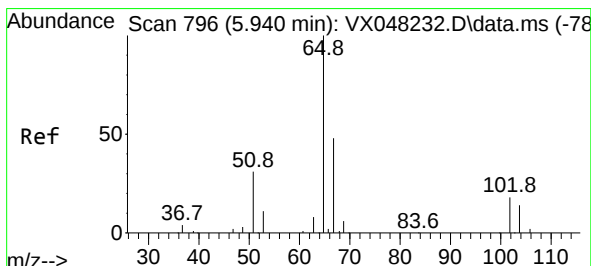
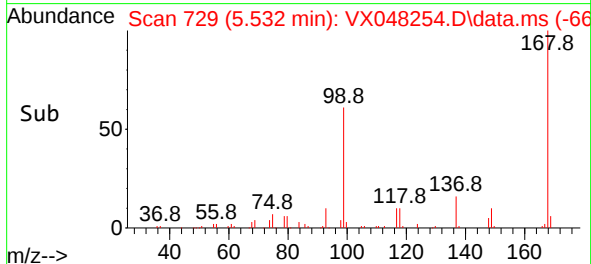
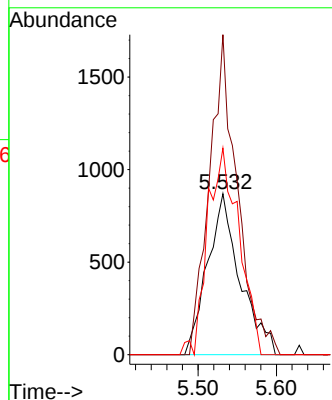
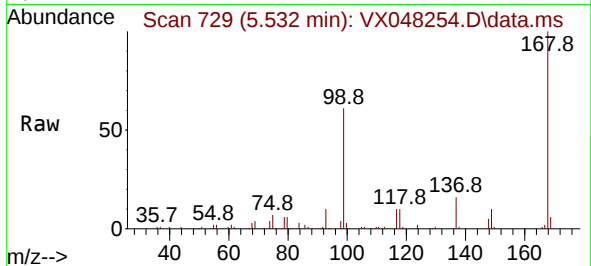




#31
Cyclohexane
Concen: 1.186 ug/l
RT: 5.532 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

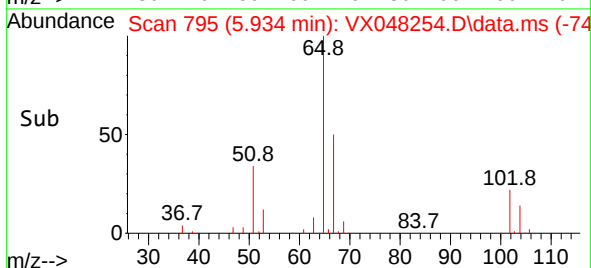
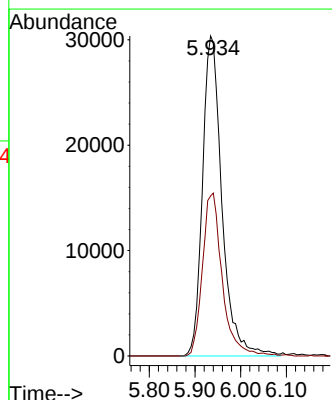
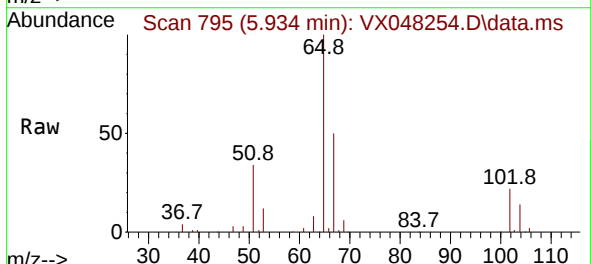
Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

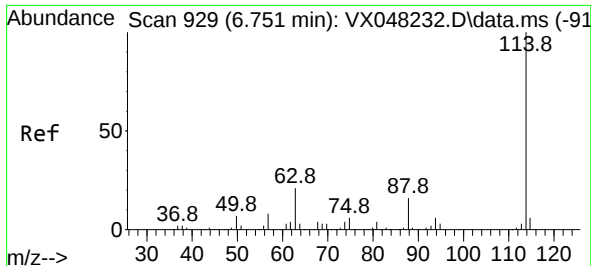
Tgt Ion: 56 Resp: 2517
Ion Ratio Lower Upper
56 100
69 198.7 23.0 34.6#
84 128.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 52.469 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion: 65 Resp: 89687
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.0

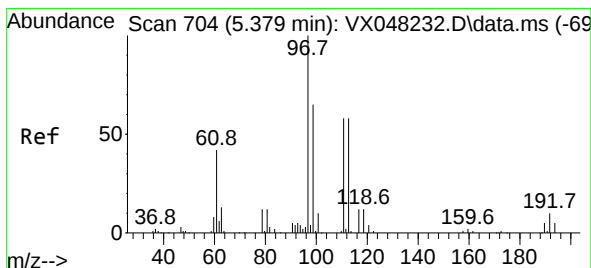
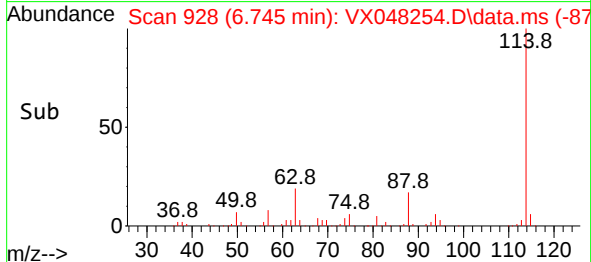
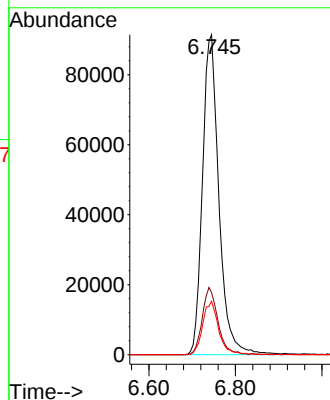
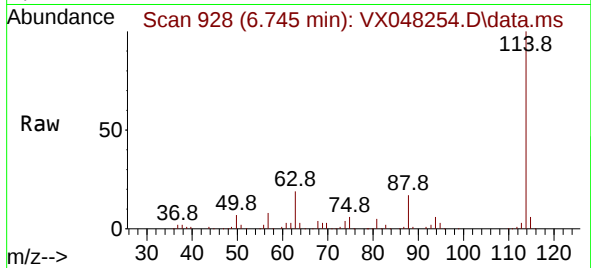




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

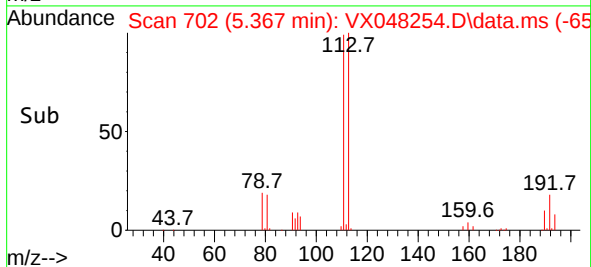
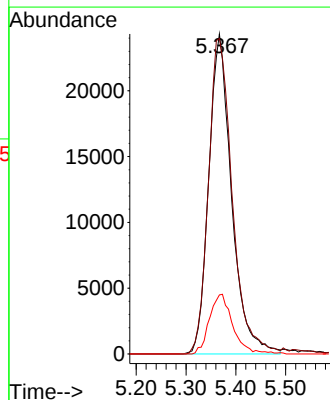
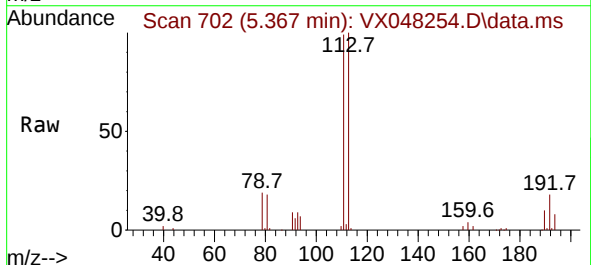
Instrument :
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ClientSampleId :
VX1021WBL01

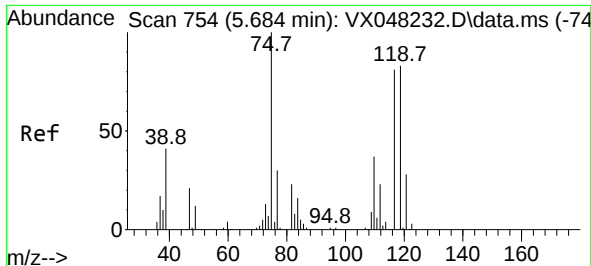
Tgt Ion:114 Resp: 240535
Ion Ratio Lower Upper
114 100
63 19.4 0.0 43.2
88 16.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 47.070 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion:113 Resp: 77294
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 19.2 15.1 22.7

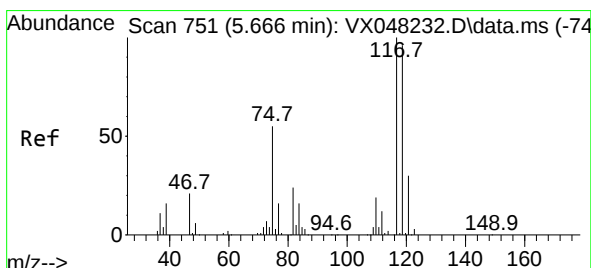
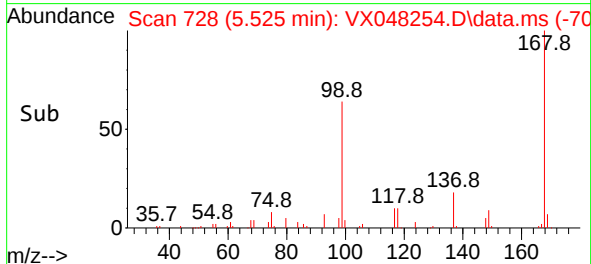
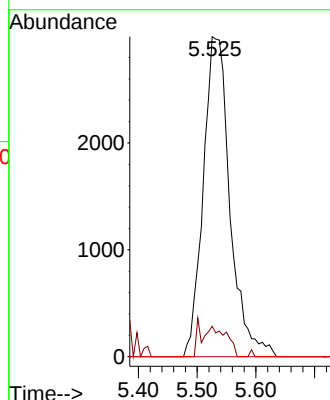
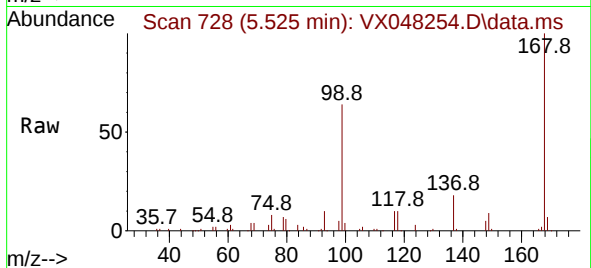




#36
1,1-Dichloropropene
Concen: 4.055 ug/l
RT: 5.525 min Scan# 710
Delta R.T. -0.158 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

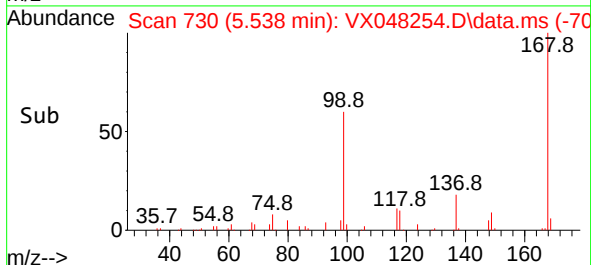
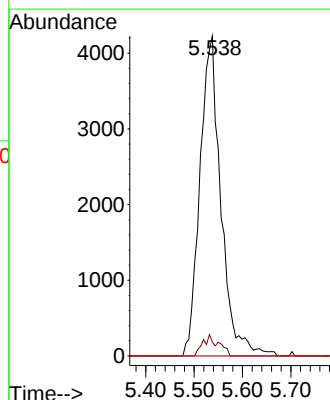
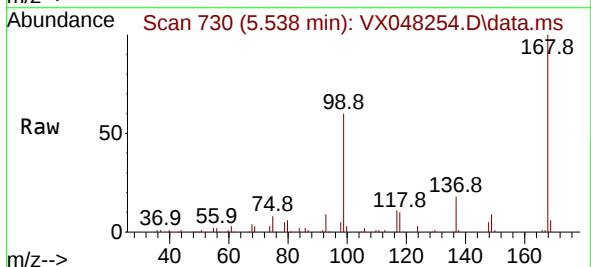
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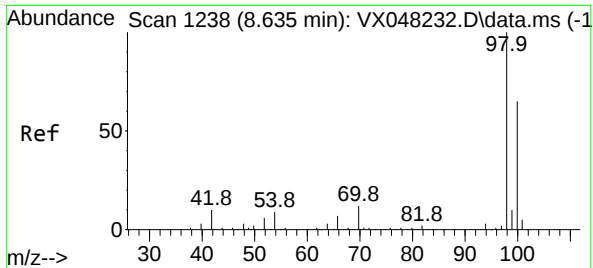
Tgt Ion: 75 Resp: 9464
Ion Ratio Lower Upper
75 100
110 6.6 17.7 53.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.432 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion: 117 Resp: 12761
Ion Ratio Lower Upper
117 100
119 4.3 77.2 115.8#
121 0.0 24.8 37.2#

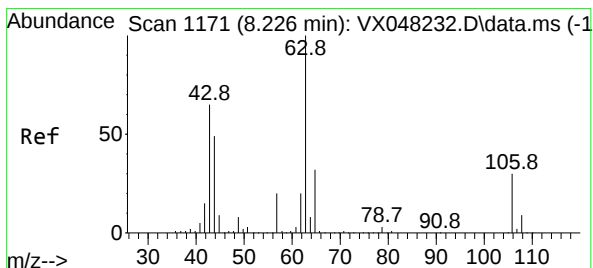
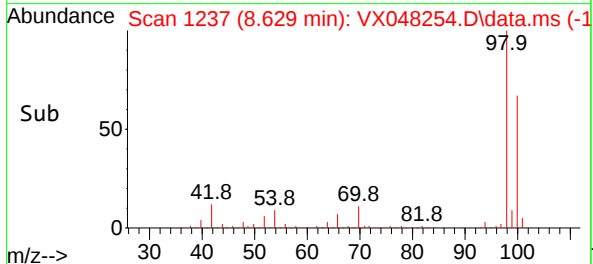
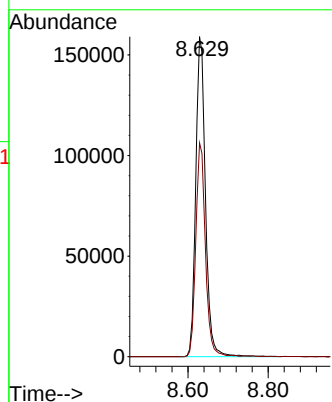
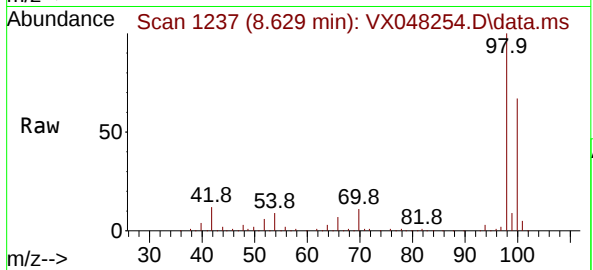




#50
Toluene-d8
Concen: 46.391 ug/l
RT: 8.629 min Scan# 1174
Delta R.T. -0.006 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

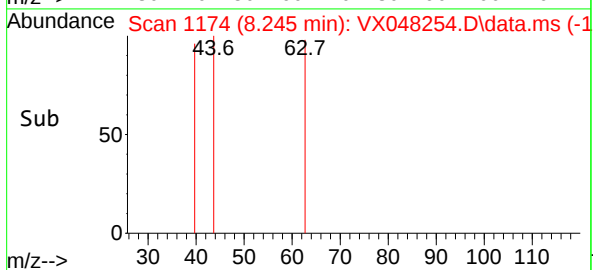
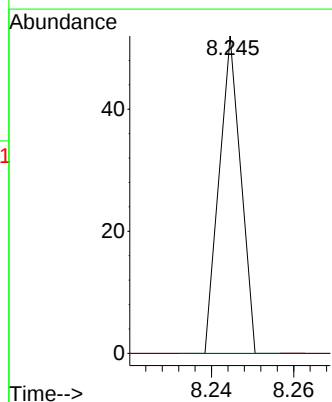
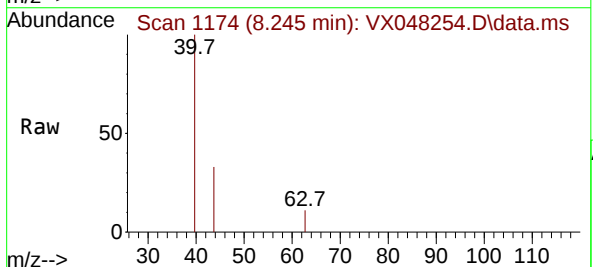
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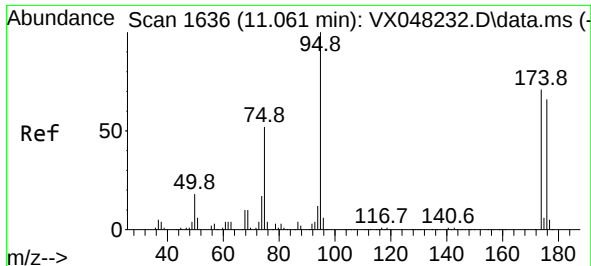
Tgt Ion: 98 Resp: 267020
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4



#58
2-Chloroethyl Vinyl ether
Concen: 1.712 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.018 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

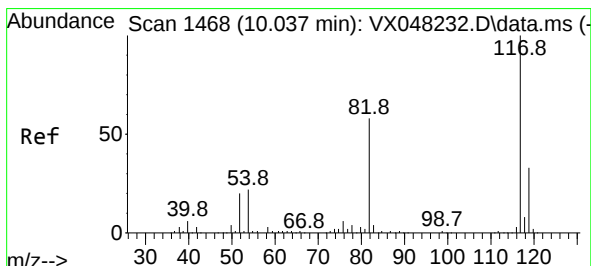
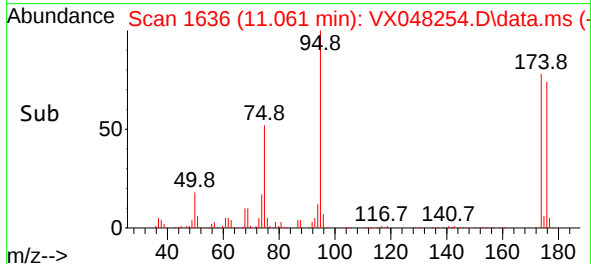
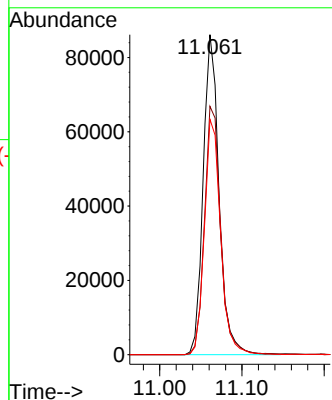
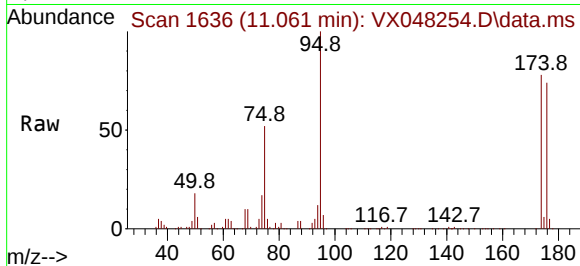




#62
4-Bromofluorobenzene
Concen: 52.653 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

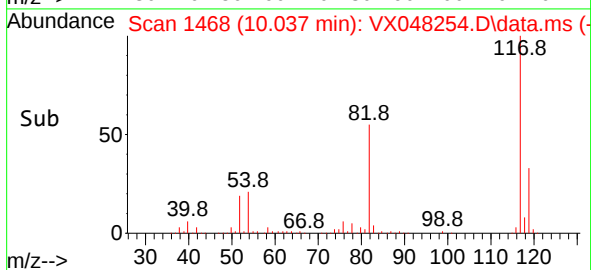
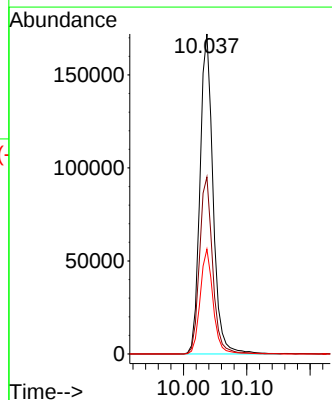
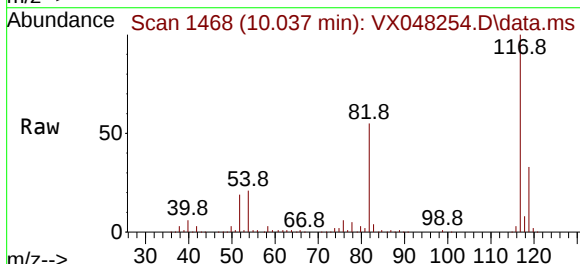
Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

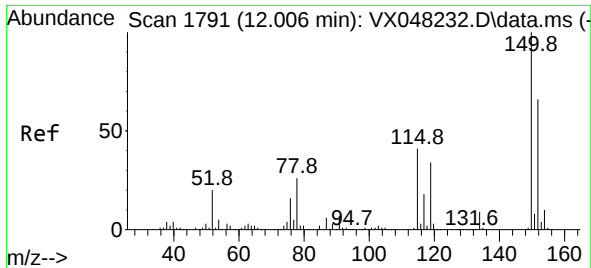
Tgt Ion: 95 Resp: 115293
Ion Ratio Lower Upper
95 100
174 79.8 0.0 147.8
176 75.2 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion: 117 Resp: 247603
Ion Ratio Lower Upper
117 100
82 55.3 46.5 69.7
119 32.8 25.9 38.9

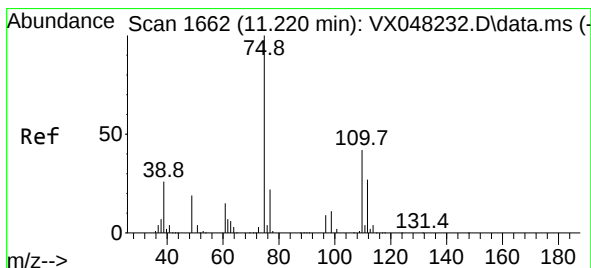
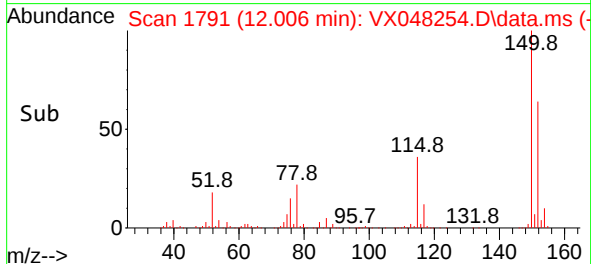
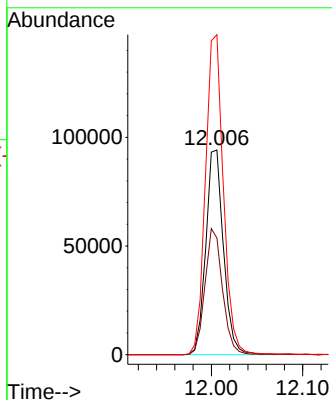
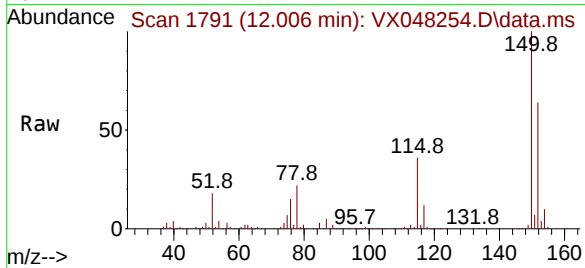




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX048254.D
 Acq: 21 Oct 2025 09:40

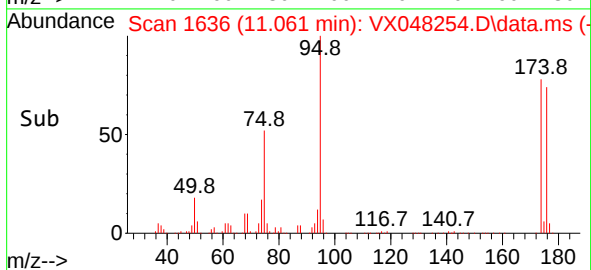
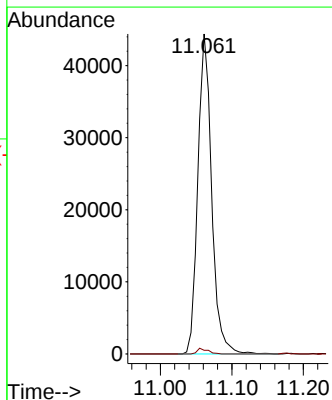
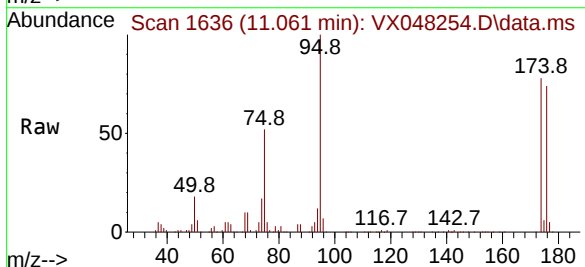
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1021WBL01

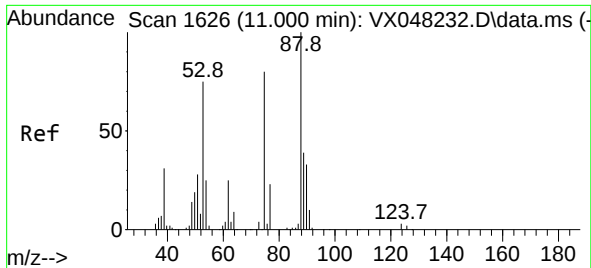
Tgt Ion:152 Resp: 126551
 Ion Ratio Lower Upper
 152 100
 115 61.1 43.1 129.4
 150 158.4 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 28.969 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.158 min
 Lab File: VX048254.D
 Acq: 21 Oct 2025 09:40

Tgt Ion: 75 Resp: 59451
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.4 67.2#

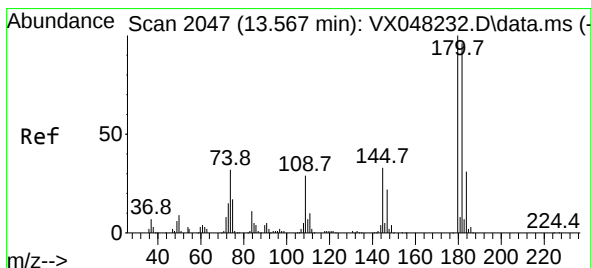
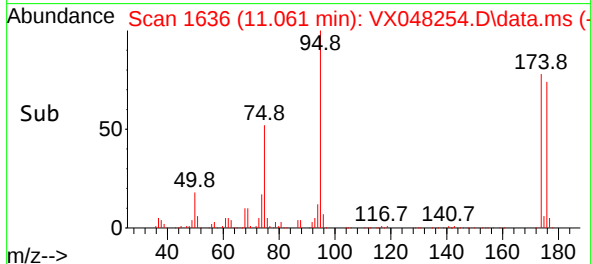
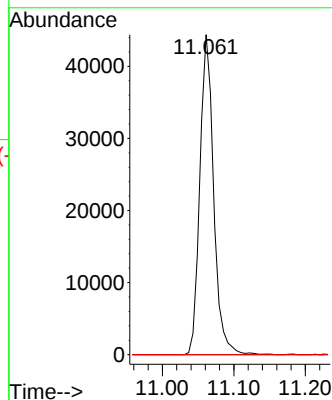
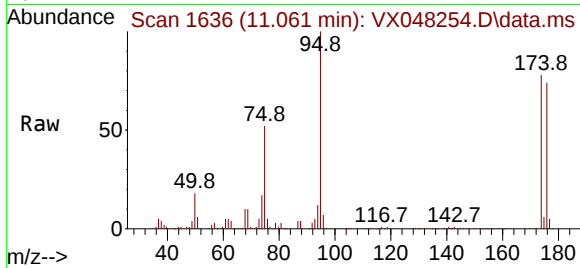




#81
trans-1,4-Dichloro-2-butene
Concen: 70.479 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

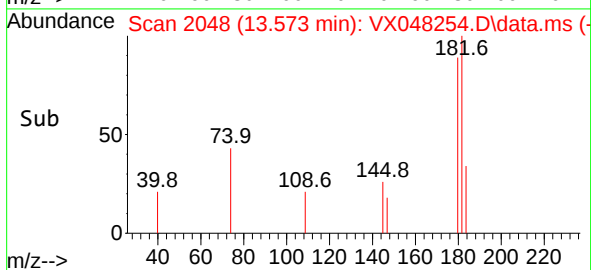
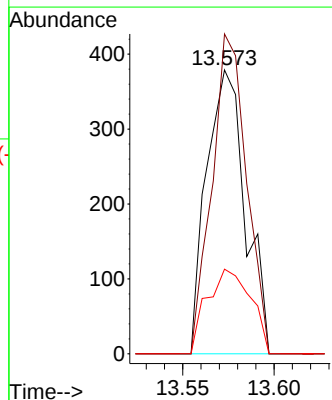
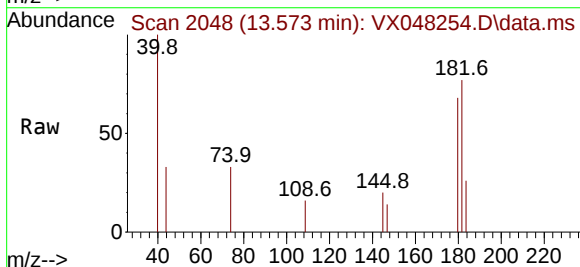
Instrument :
MSVOA_X
ClientSampleId :
VX1021WBL01

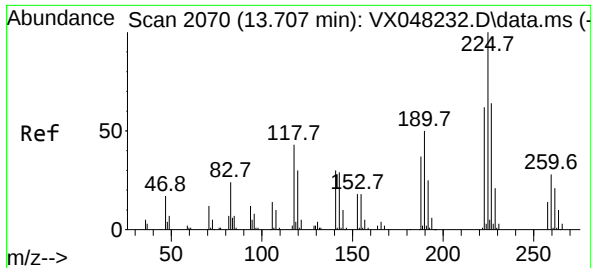
Tgt Ion: 75 Resp: 59451
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.201 ug/l
RT: 13.573 min Scan# 2048
Delta R.T. 0.006 min
Lab File: VX048254.D
Acq: 21 Oct 2025 09:40

Tgt Ion:180 Resp: 558
Ion Ratio Lower Upper
180 100
182 100.5 47.3 142.0
145 33.5 16.3 48.9





#94

Hexachlorobutadiene

Concen: 0.800 ug/l

RT: 13.707 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX048254.D

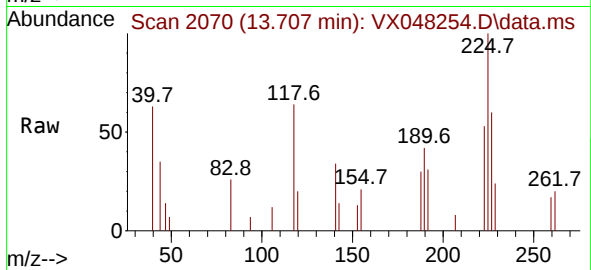
Acq: 21 Oct 2025 09:40

Instrument :

MSVOA_X

ClientSampleId :

VX1021WBL01



Tgt Ion:225 Resp: 763

Ion Ratio Lower Upper

225 100

223 64.5 32.6 97.7

227 68.5 32.5 97.4

