

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048212.D
 Acq On : 17 Oct 2025 15:11
 Operator : JC/MD
 Sample : Q3362-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Trip blank 251015076-03

Quant Time: Oct 18 00:19:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

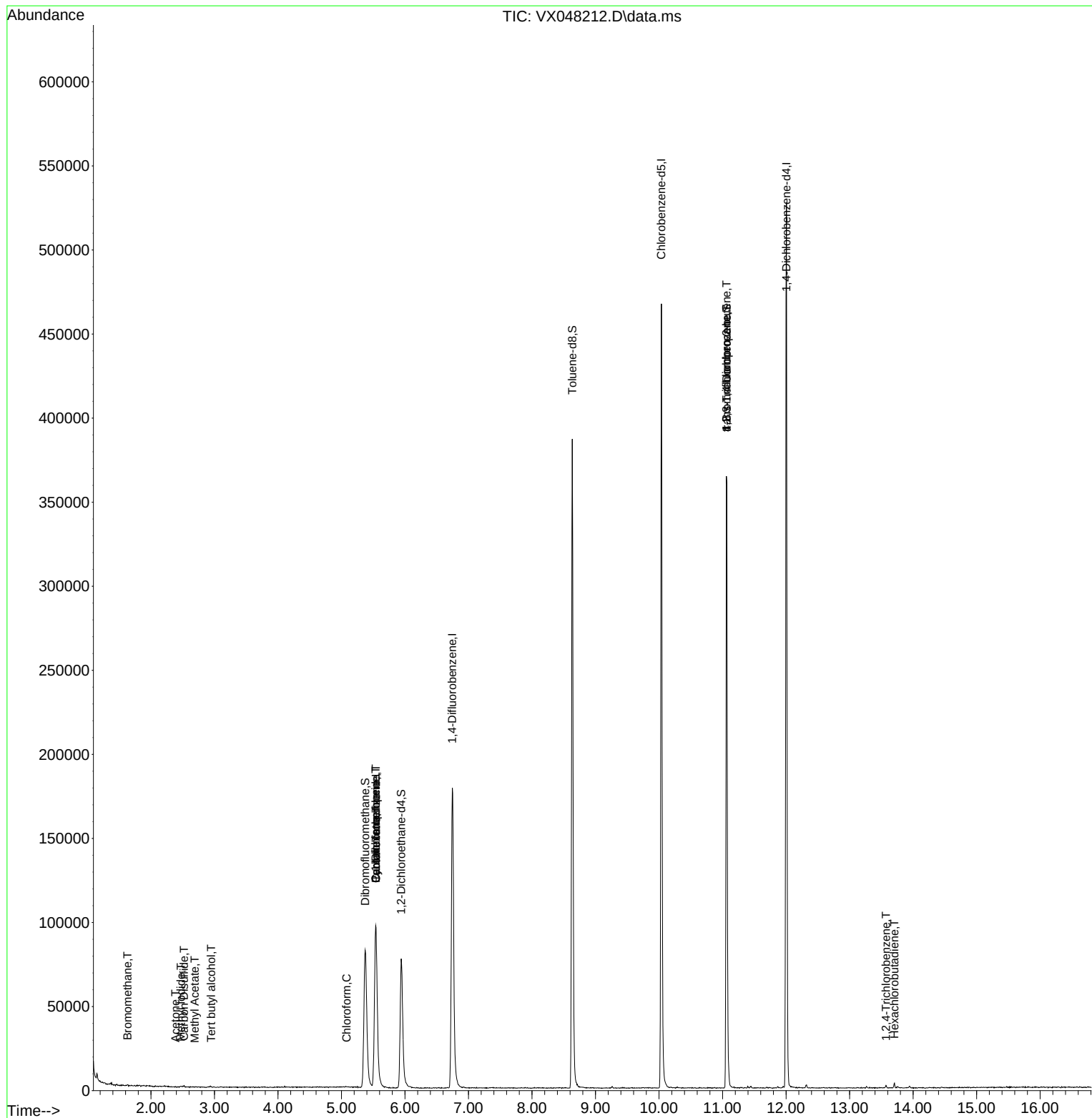
Internal Standards						
1) Pentafluorobenzene	5.544	168	101378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	201098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	214674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	84980	54.108	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 108.220%		
35) Dibromofluoromethane	5.373	113	81667	58.514	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 117.020%		
50) Toluene-d8	8.634	98	239145	47.562	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 95.120%		
62) 4-Bromofluorobenzene	11.061	95	106803	58.320	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 116.640%		
Target Compounds						
						Qvalue
5) Bromomethane	1.630	94	272	0.301	ug/l #	48
10) Methyl Iodide	2.471	142	720	0.500	ug/l #	82
11) Tert butyl alcohol	2.946	59	44	0.422	ug/l #	72
16) Acetone	2.386	43	192	0.358	ug/l #	45
17) Carbon Disulfide	2.520	76	986	0.273	ug/l	96
18) Methyl Acetate	2.690	43	459	0.421	ug/l #	54
30) Chloroform	5.080	83	497	0.201	ug/l	85
31) Cyclohexane	5.544	56	1948	1.014	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	8028	4.083	ug/l #	50
38) Carbon Tetrachloride	5.544	117	10171	4.507	ug/l #	17
76) 1,2,3-Trichloropropane	11.061	75	54665	31.321	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	54665	76.694	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.573	180	527	0.254	ug/l	87
94) Hexachlorobutadiene	13.707	225	542	0.677	ug/l	90

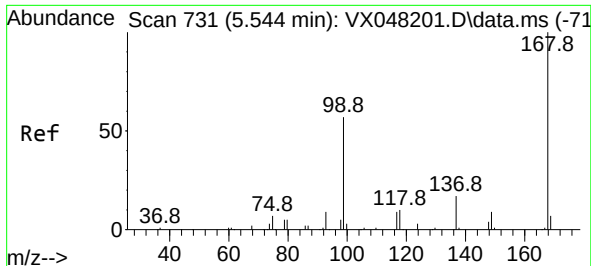
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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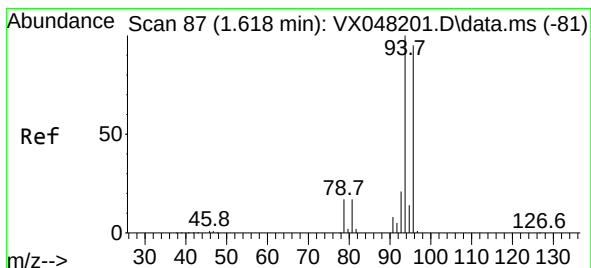
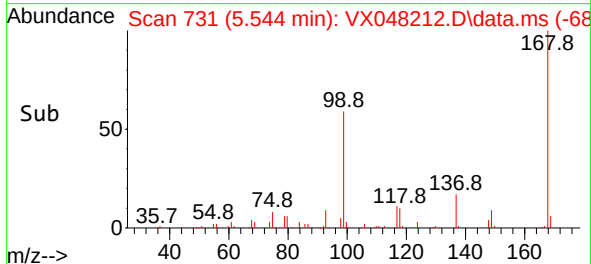
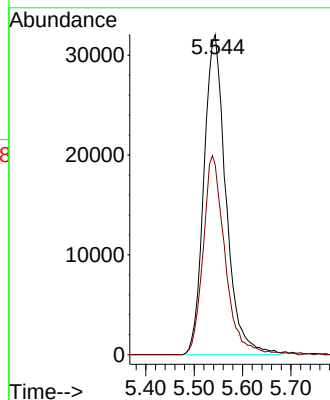
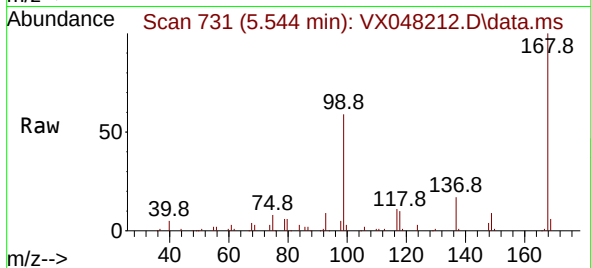




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

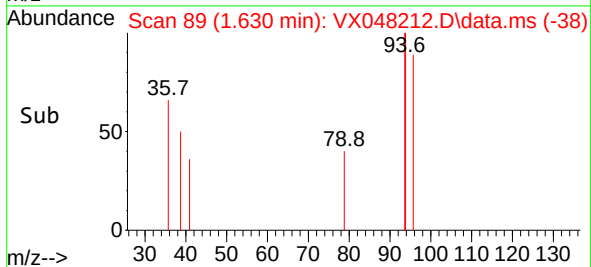
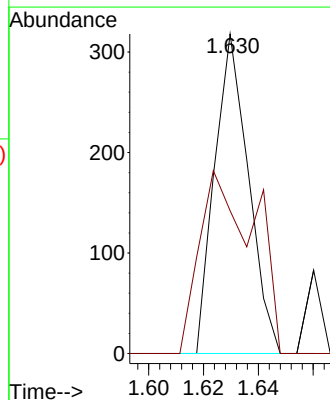
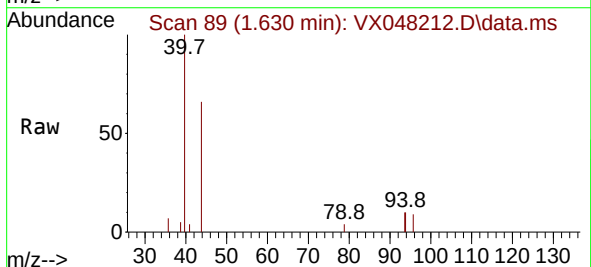
Instrument :
MSVOA_X
ClientSampleId :
Trip blank 251015076-03

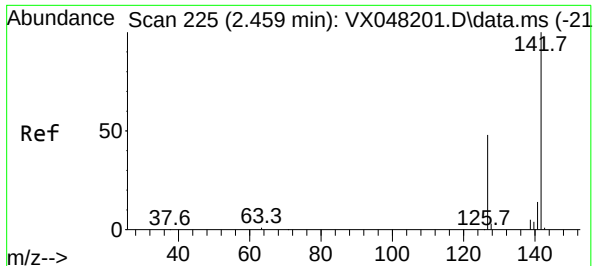
Tgt Ion:168 Resp: 101378
Ion Ratio Lower Upper
168 100
99 59.3 46.4 69.6



#5
Bromomethane
Concen: 0.301 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

Tgt Ion: 94 Resp: 272
Ion Ratio Lower Upper
94 100
96 44.7 76.0 114.0#

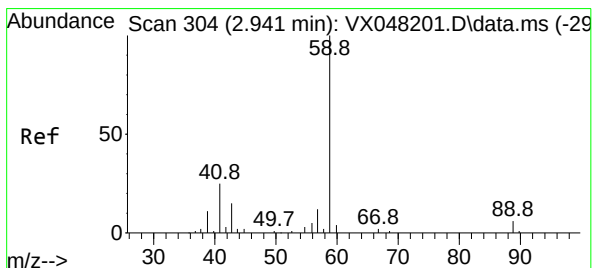
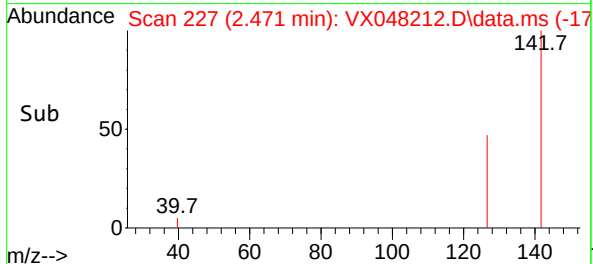
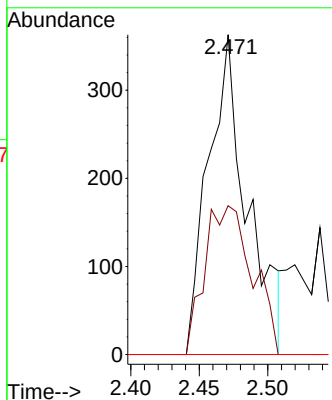
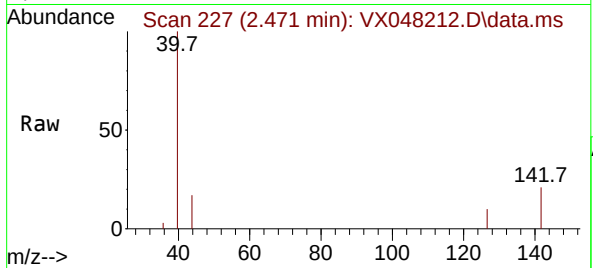




#10
Methyl Iodide
Concen: 0.500 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

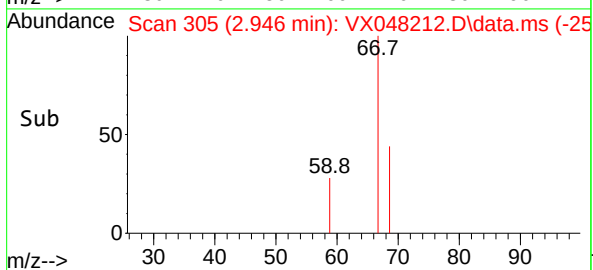
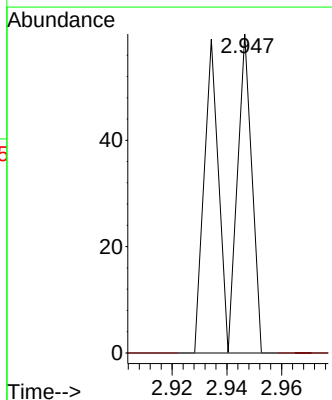
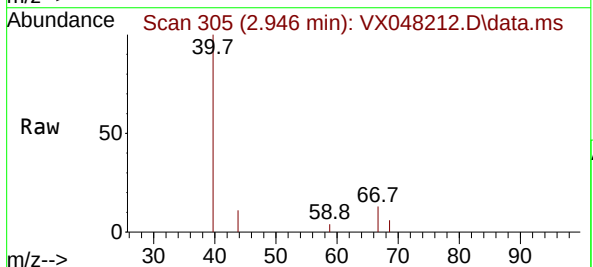
Instrument :
MSVOA_X
ClientSampleId :
Trip blank 251015076-03

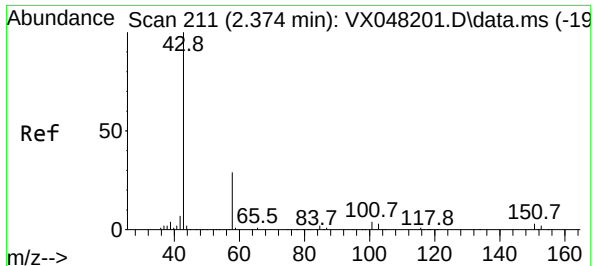
Tgt Ion:142 Resp: 720
Ion Ratio Lower Upper
142 100
127 56.8 38.5 57.7
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.422 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

Tgt Ion: 59 Resp: 44
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 0.358 ug/l

RT: 2.386 min Scan# 211

Delta R.T. 0.012 min

Lab File: VX048212.D

Acq: 17 Oct 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

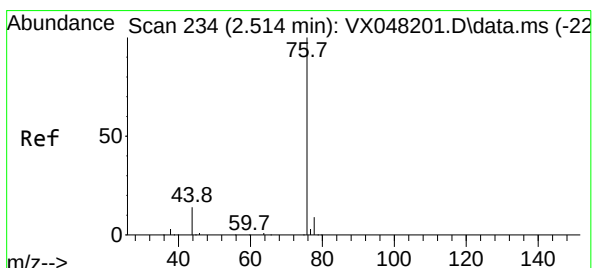
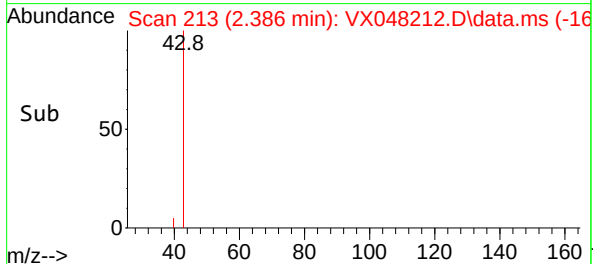
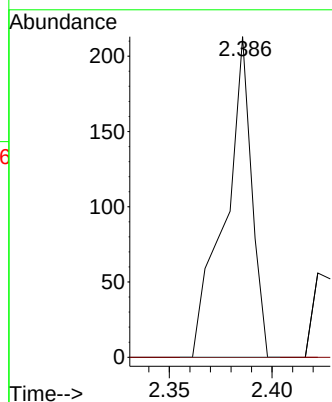
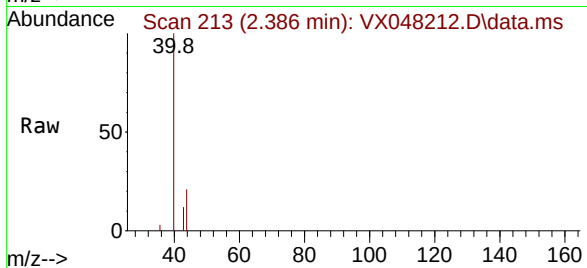
Trip blank 251015076-03

Tgt Ion: 43 Resp: 192

Ion Ratio Lower Upper

43 100

58 0.0 23.4 35.2#



#17

Carbon Disulfide

Concen: 0.273 ug/l

RT: 2.520 min Scan# 235

Delta R.T. 0.006 min

Lab File: VX048212.D

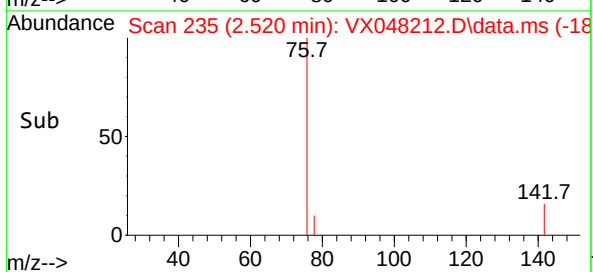
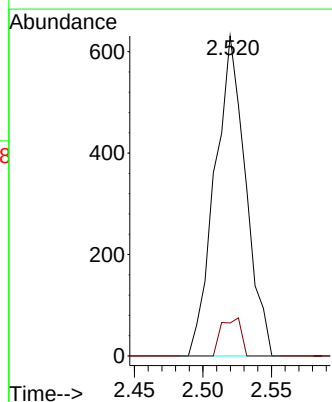
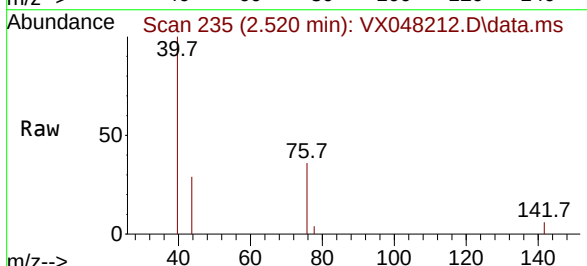
Acq: 17 Oct 2025 15:11

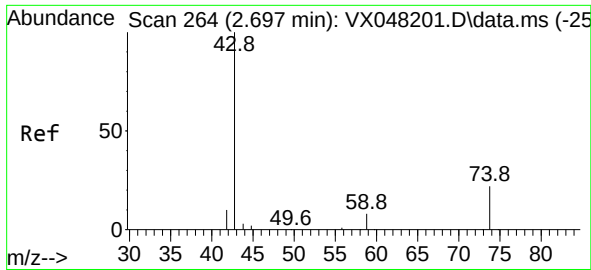
Tgt Ion: 76 Resp: 986

Ion Ratio Lower Upper

76 100

78 10.3 7.1 10.7





#18

Methyl Acetate

Concen: 0.421 ug/l

RT: 2.690 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX048212.D

Acq: 17 Oct 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

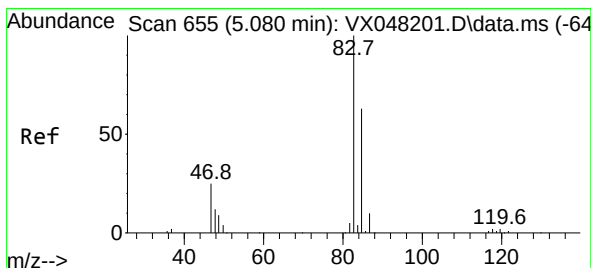
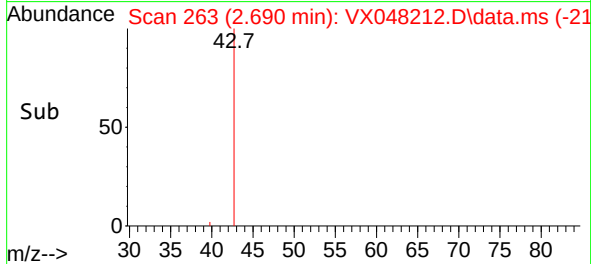
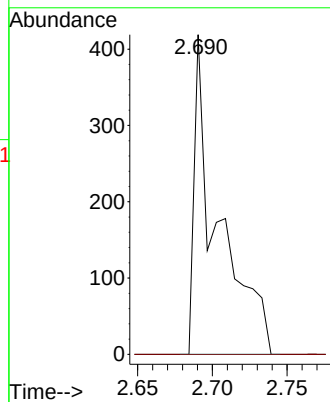
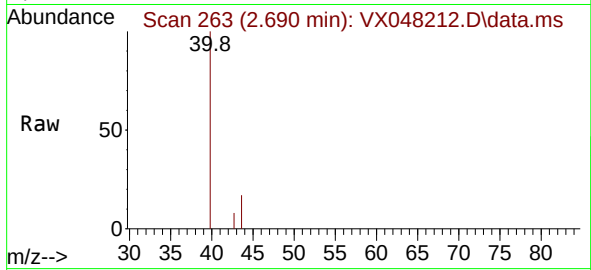
Trip blank 251015076-03

Tgt Ion: 43 Resp: 459

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#



#30

Chloroform

Concen: 0.201 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX048212.D

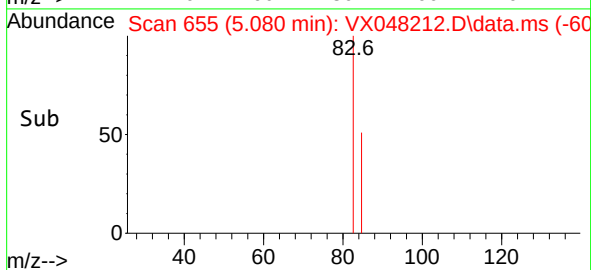
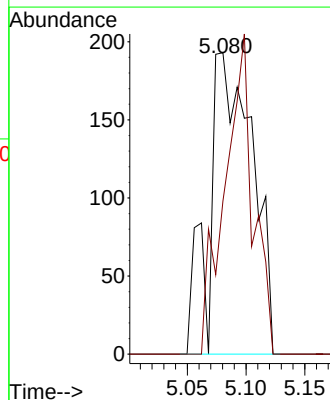
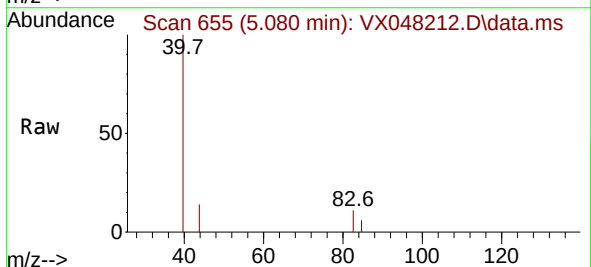
Acq: 17 Oct 2025 15:11

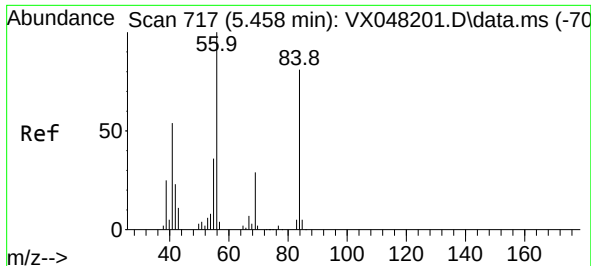
Tgt Ion: 83 Resp: 497

Ion Ratio Lower Upper

83 100

85 50.8 50.1 75.1

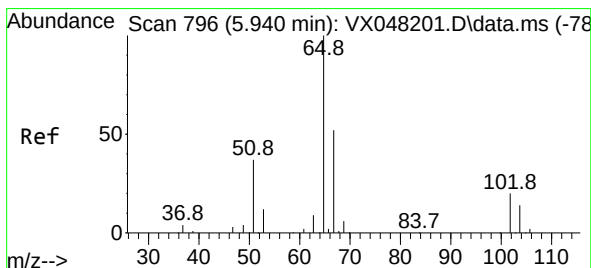
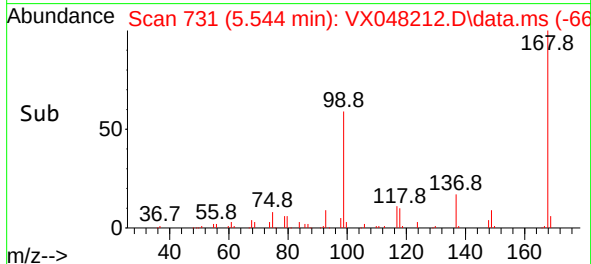
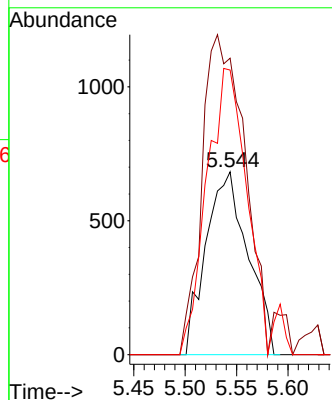
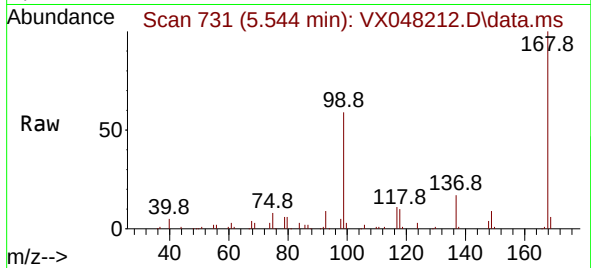




#31
Cyclohexane
Concen: 1.014 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

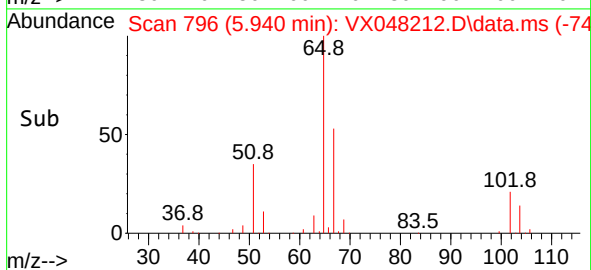
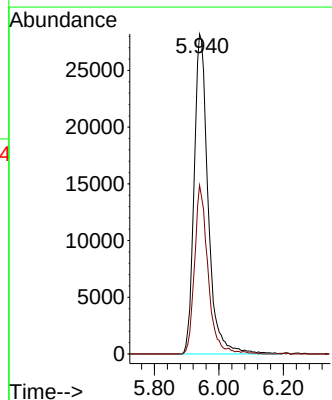
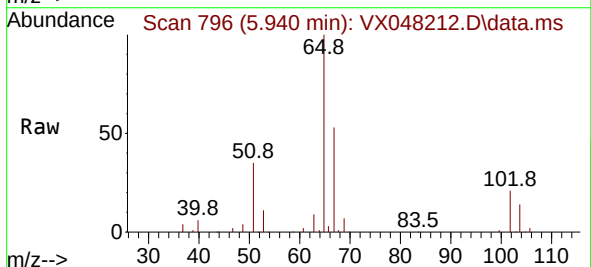
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Trip blank 251015076-03

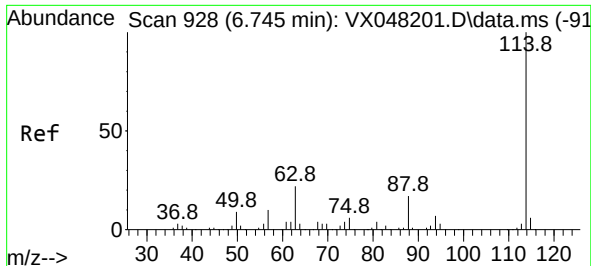
Tgt Ion: 56 Resp: 1948
Ion Ratio Lower Upper
56 100
69 162.1 23.0 34.6#
84 155.6 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 54.108 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

Tgt Ion: 65 Resp: 84980
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.0

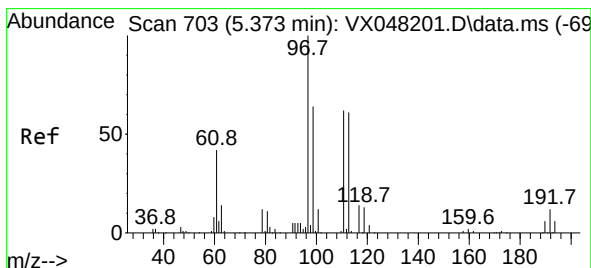
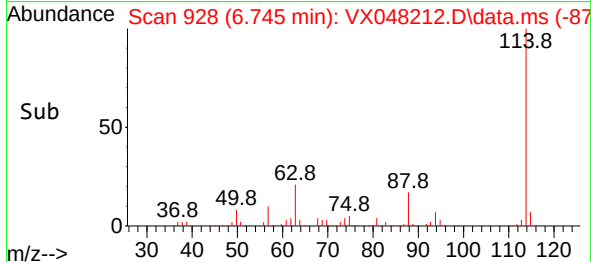
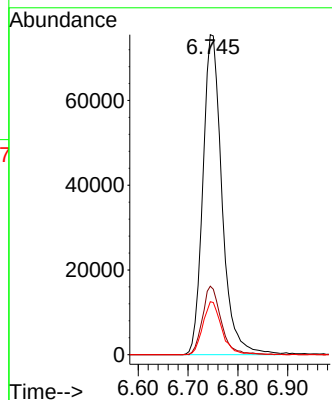
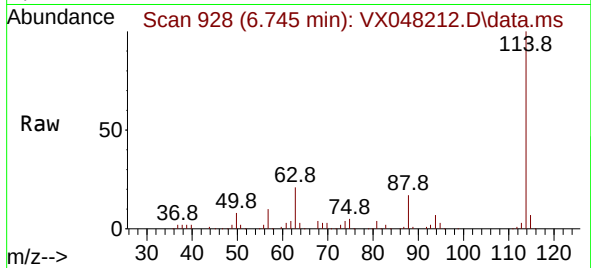




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

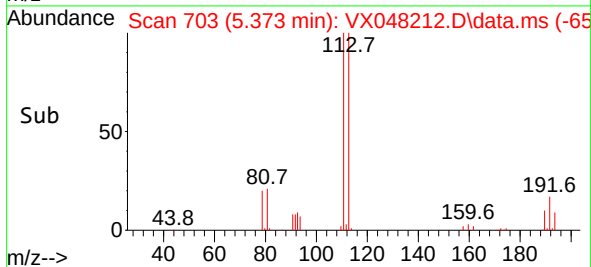
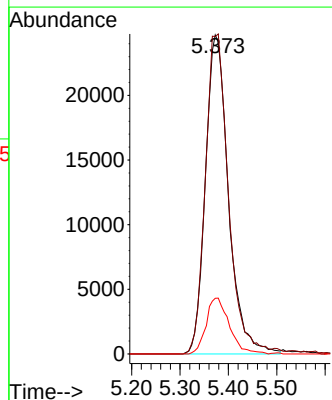
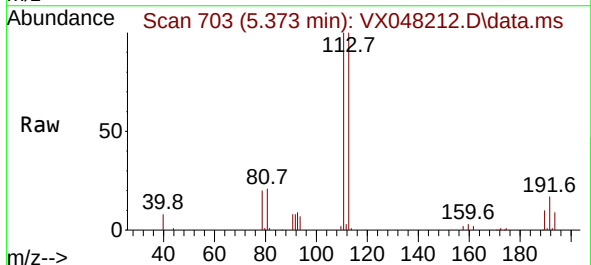
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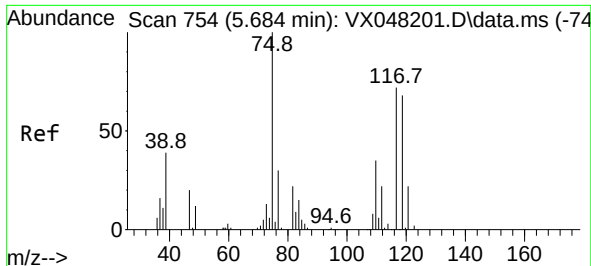
Tgt Ion:114 Resp: 201098
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.2
88 16.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 58.514 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

Tgt Ion:113 Resp: 81667
Ion Ratio Lower Upper
113 100
111 100.6 82.2 123.4
192 17.6 15.1 22.7

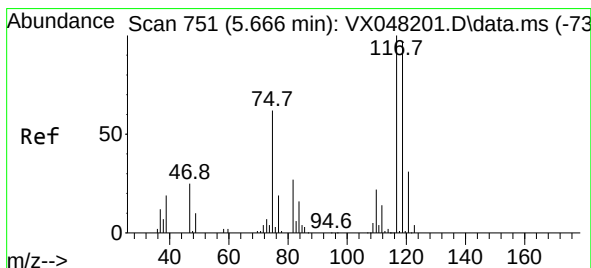
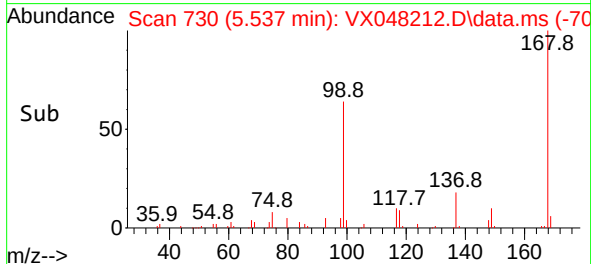
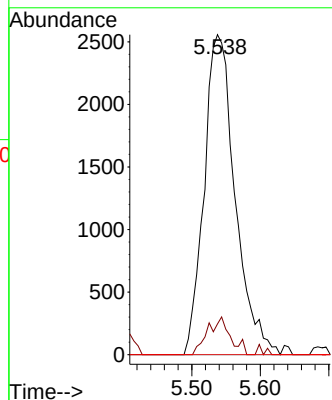
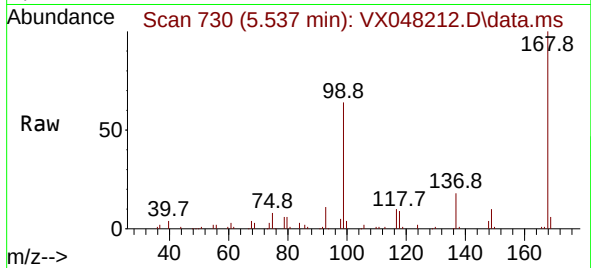




#36
1,1-Dichloropropene
Concen: 4.083 ug/l
RT: 5.537 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

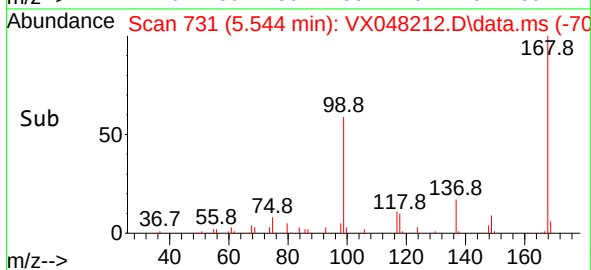
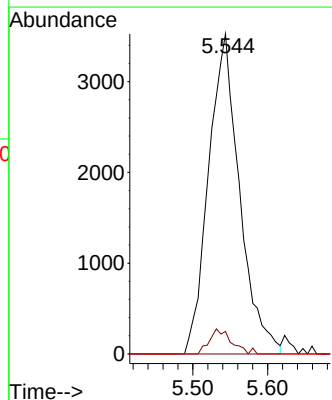
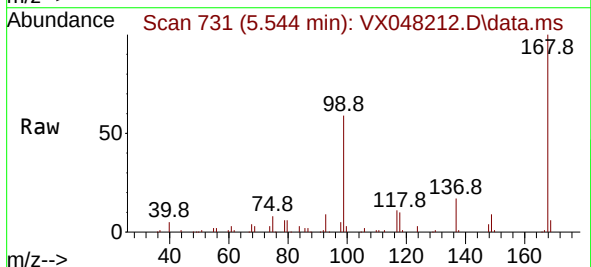
Instrument :
MSVOA_X
ClientSampleId :
Trip blank 251015076-03

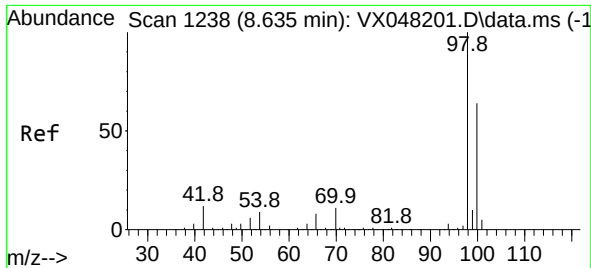
Tgt Ion: 75 Resp: 8028
Ion Ratio Lower Upper
75 100
110 8.6 17.7 53.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.507 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.122 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

Tgt Ion: 117 Resp: 10171
Ion Ratio Lower Upper
117 100
119 7.0 77.2 115.8#
121 0.0 24.8 37.2#

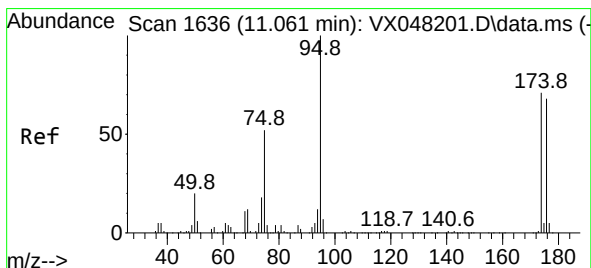
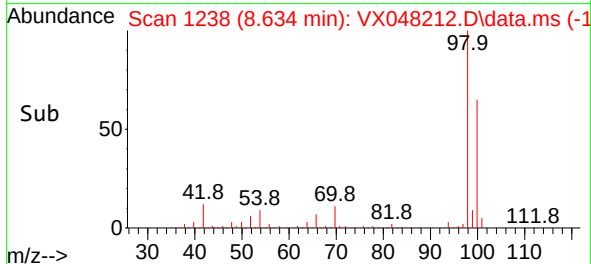
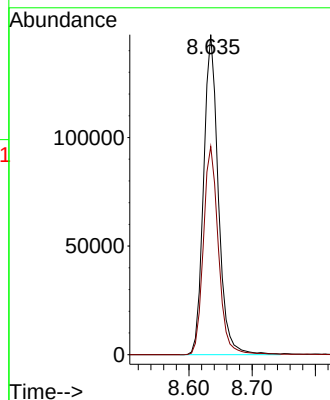
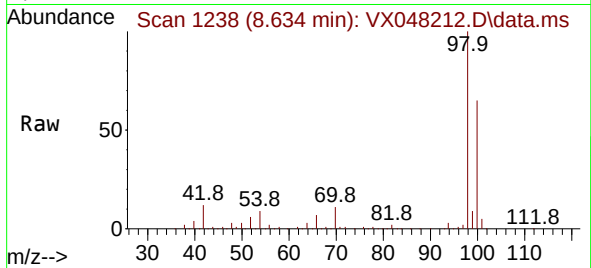




#50
Toluene-d8
Concen: 47.562 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

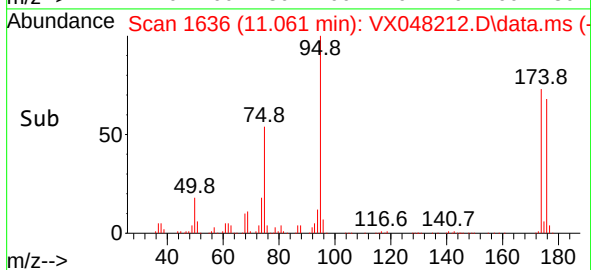
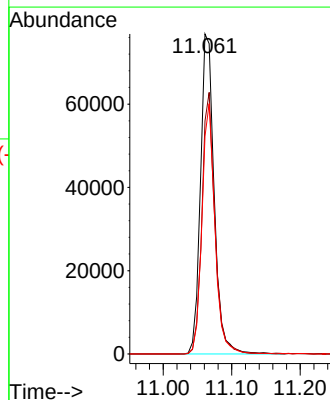
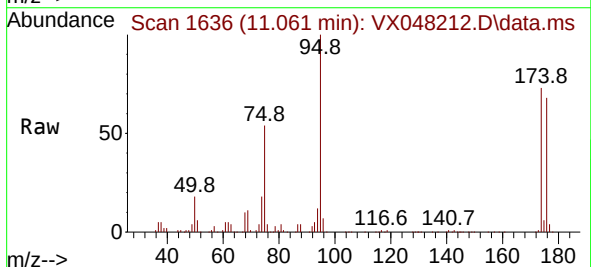
Instrument :
MSVOA_X
ClientSampleId :
Trip blank 251015076-03

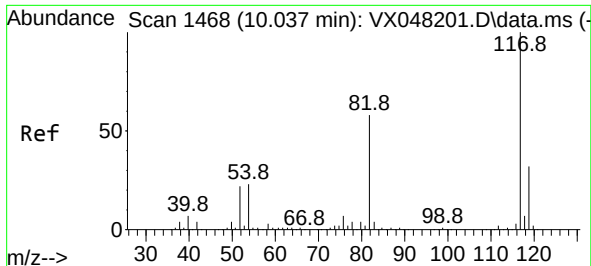
Tgt Ion: 98 Resp: 239145
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 58.320 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

Tgt Ion: 95 Resp: 106803
Ion Ratio Lower Upper
95 100
174 77.9 0.0 147.8
176 74.6 0.0 142.8

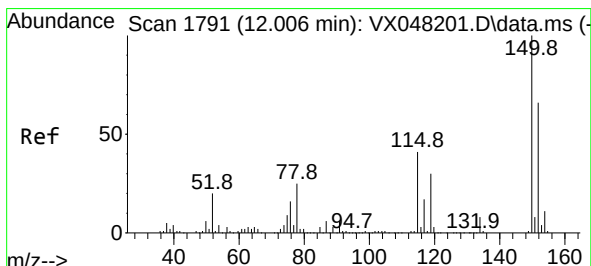
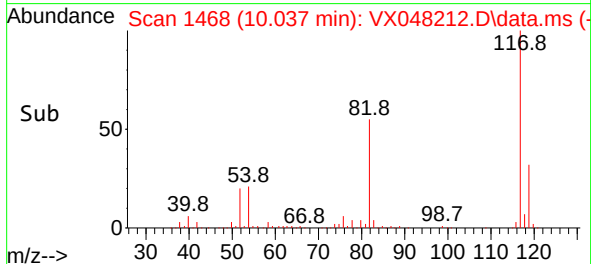
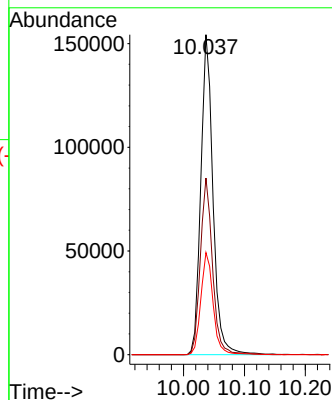
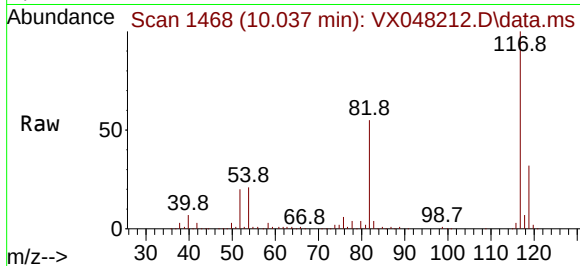




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

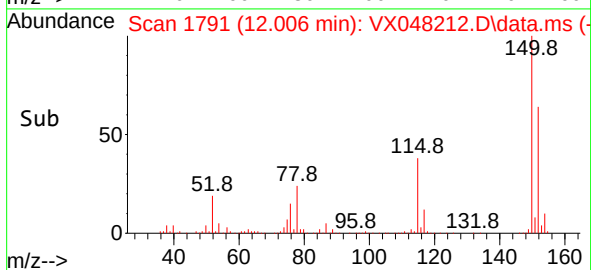
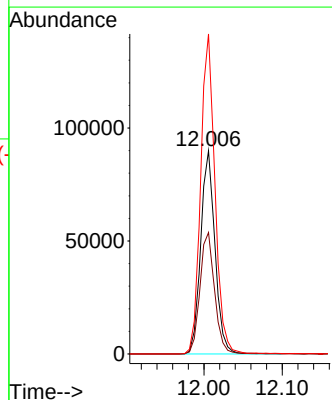
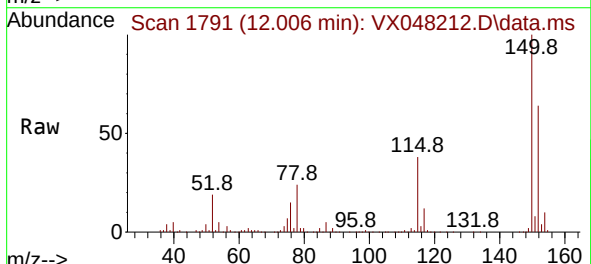
Instrument :
MSVOA_X
ClientSampleId :
Trip blank 251015076-03

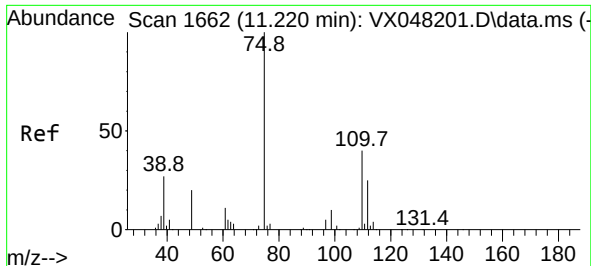
Tgt Ion:117 Resp: 214674
Ion Ratio Lower Upper
117 100
82 55.2 46.5 69.7
119 31.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

Tgt Ion:152 Resp: 114293
Ion Ratio Lower Upper
152 100
115 61.4 43.1 129.4
150 157.9 0.0 353.0

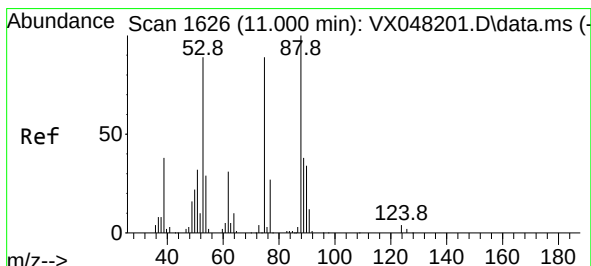
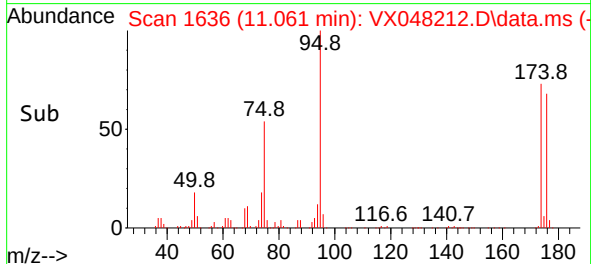
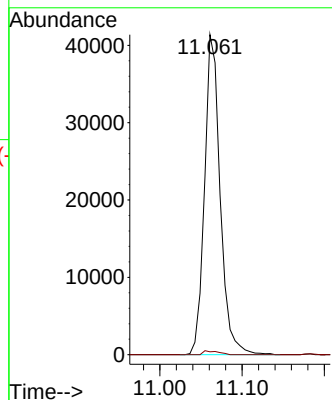
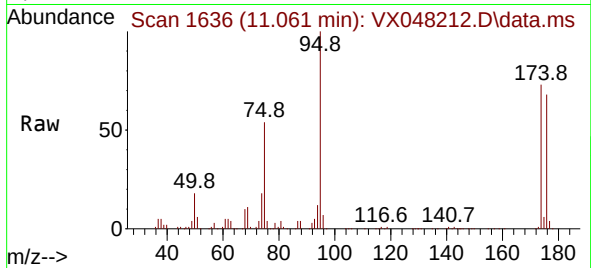




#76
1,2,3-Trichloropropane
Concen: 31.321 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

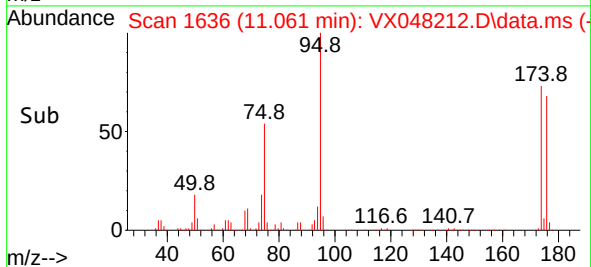
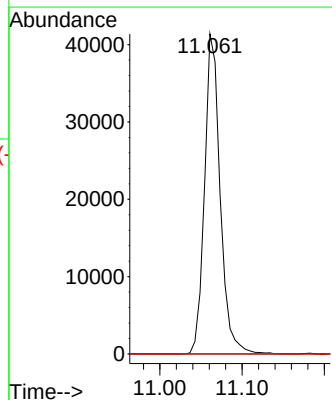
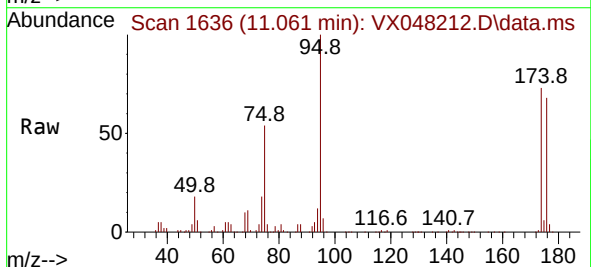
Instrument :
MSVOA_X
ClientSampleId :
Trip blank 251015076-03

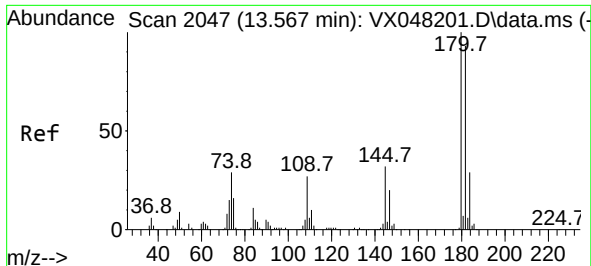
Tgt Ion: 75 Resp: 54665
Ion Ratio Lower Upper
75 100
77 1.2 22.4 67.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.694 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

Tgt Ion: 75 Resp: 54665
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#

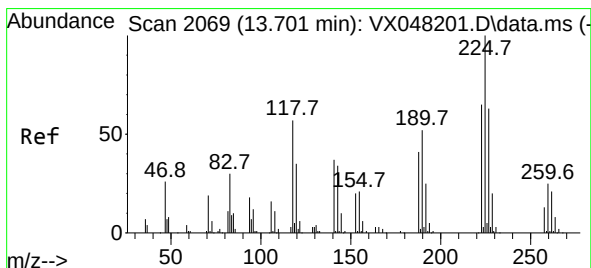
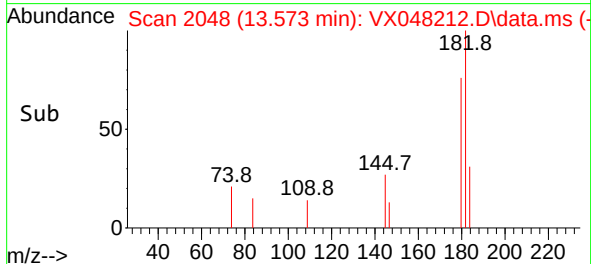
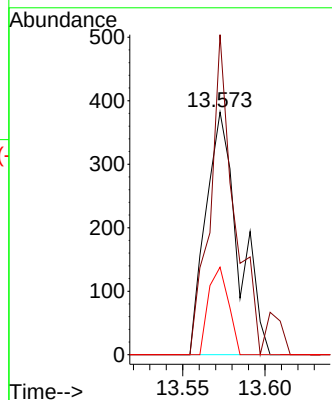
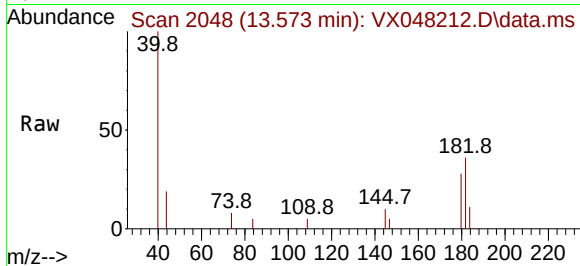




#93
 1,2,4-Trichlorobenzene
 Concen: 0.254 ug/l
 RT: 13.573 min Scan# 2047
 Delta R.T. 0.006 min
 Lab File: VX048212.D
 Acq: 17 Oct 2025 15:11

Instrument :
 MSVOA_X
 ClientSampleId :
 Trip blank 251015076-03

Tgt Ion:180	Resp:	527
Ion	Ratio	Lower Upper
180	100	
182	105.7	47.3 142.0
145	22.2	16.3 48.9



#94
 Hexachlorobutadiene
 Concen: 0.677 ug/l
 RT: 13.707 min Scan# 2070
 Delta R.T. 0.006 min
 Lab File: VX048212.D
 Acq: 17 Oct 2025 15:11

Tgt Ion:225	Resp:	542
Ion	Ratio	Lower Upper
225	100	
223	52.8	32.6 97.7
227	62.0	32.5 97.4

