

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102825\
 Data File : VX048398.D
 Acq On : 28 Oct 2025 14:50
 Operator : JC/MD
 Sample : Q3472-10 20X
 Misc : 1.10g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-4

Quant Time: Oct 29 01:20:47 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)

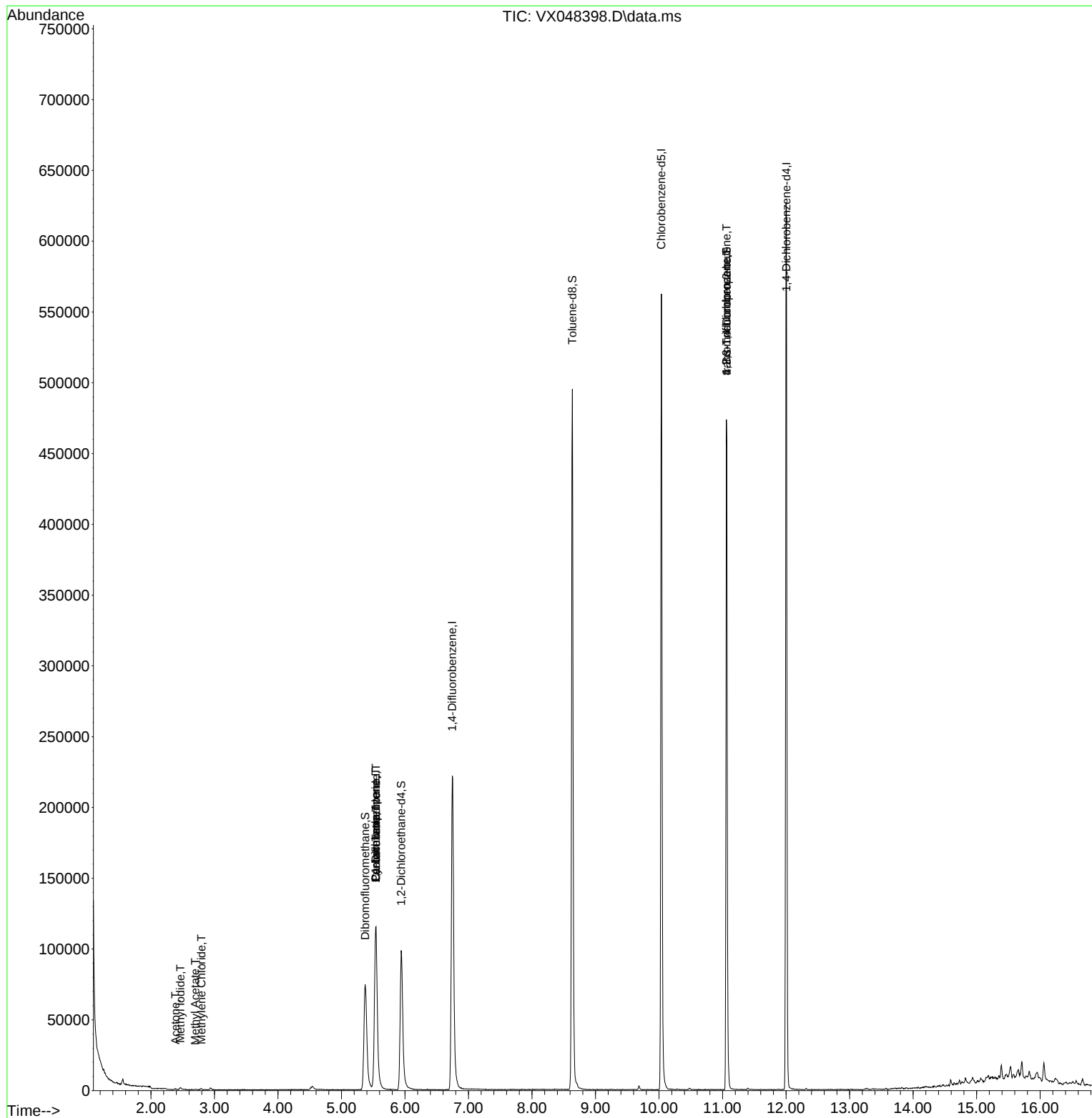
Internal Standards						
1) Pentafluorobenzene	5.544	168	120579	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	249241	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	264809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	109132	64.552	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 129.100%#	
35) Dibromofluoromethane	5.373	113	75295	44.251	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 88.500%	
50) Toluene-d8	8.635	98	309517	51.896	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.800%	
62) 4-Bromofluorobenzene	11.061	95	138556	61.067	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 122.140%	
Target Compounds						
10) Methyl Iodide	2.465	142	1813	1.108	ug/l	94
16) Acetone	2.386	43	685	1.181	ug/l #	45
18) Methyl Acetate	2.697	43	490	0.405	ug/l #	54
20) Methylene Chloride	2.794	84	376	0.266	ug/l	90
31) Cyclohexane	5.544	56	2495	1.189	ug/l #	13
36) 1,1-Dichloropropene	5.538	75	9910	4.098	ug/l #	46
38) Carbon Tetrachloride	5.544	117	12434	4.167	ug/l #	16
76) 1,2,3-Trichloropropane	11.061	75	70547	31.372	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	70547	76.325	ug/l #	10

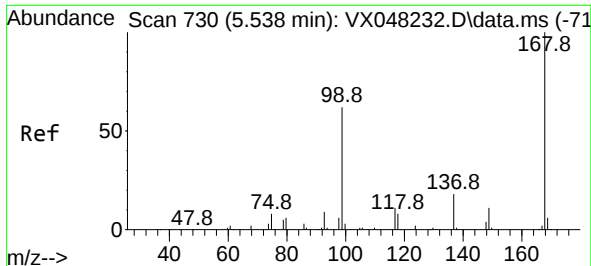
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

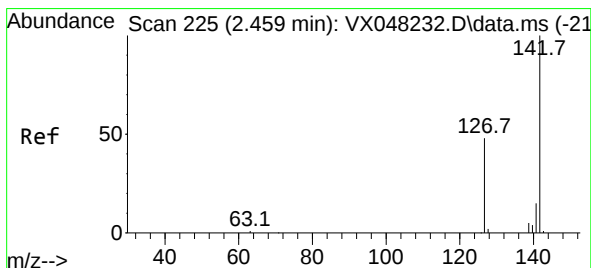
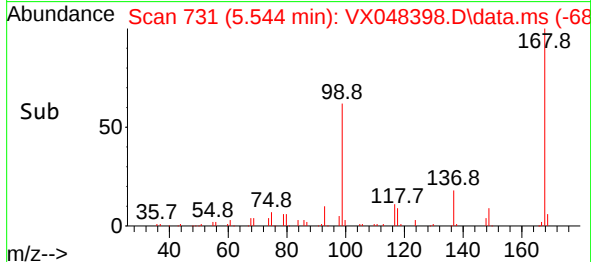
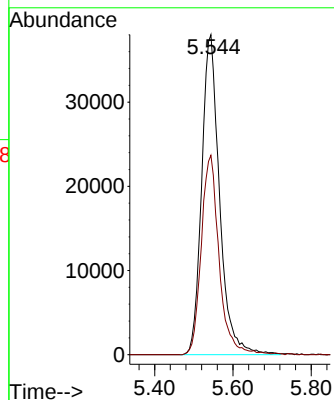
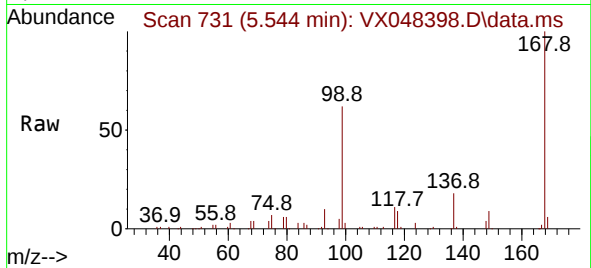




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048398.D
Acq: 28 Oct 2025 14:50

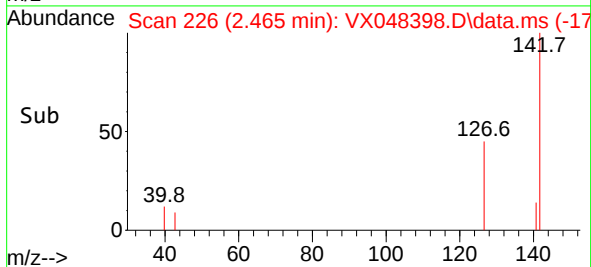
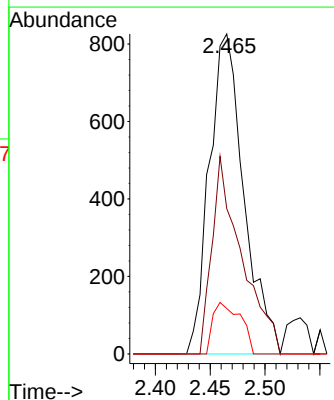
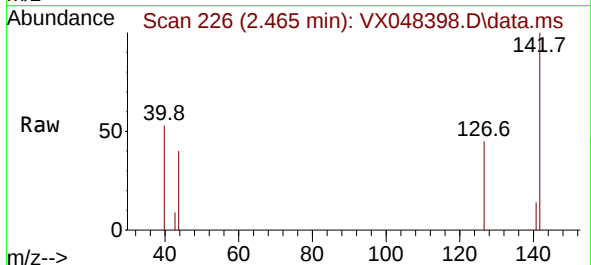
Instrument :
MSVOA_X
ClientSampleId :
COMP-4

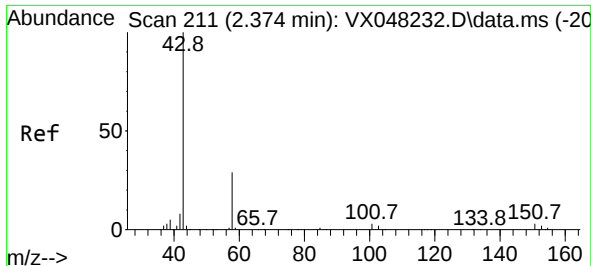
Tgt Ion:168 Resp: 120579
Ion Ratio Lower Upper
168 100
99 62.3 46.4 69.6



#10
Methyl Iodide
Concen: 1.108 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048398.D
Acq: 28 Oct 2025 14:50

Tgt Ion:142 Resp: 1813
Ion Ratio Lower Upper
142 100
127 52.9 38.5 57.7
141 12.7 11.6 17.4

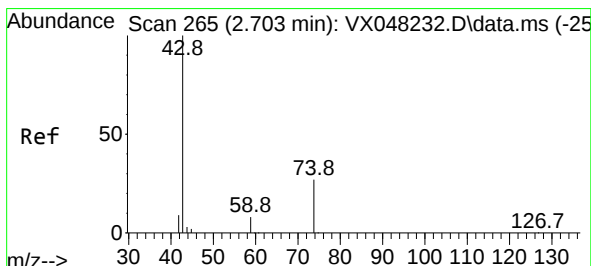
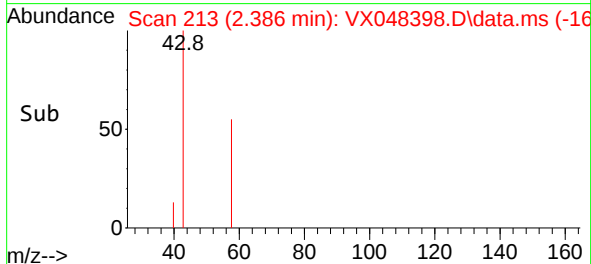
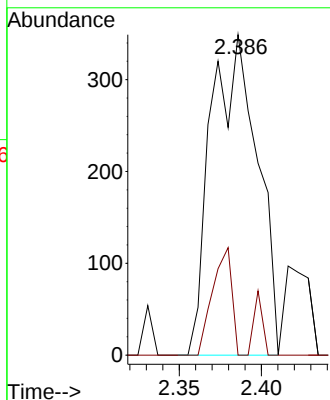
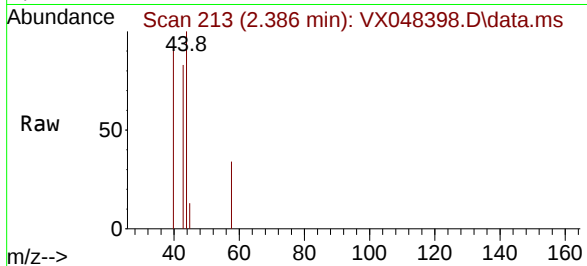




#16
Acetone
Concen: 1.181 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX048398.D
Acq: 28 Oct 2025 14:50

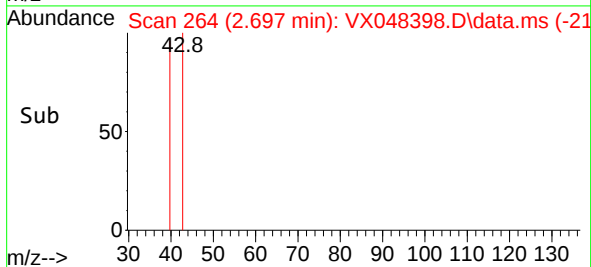
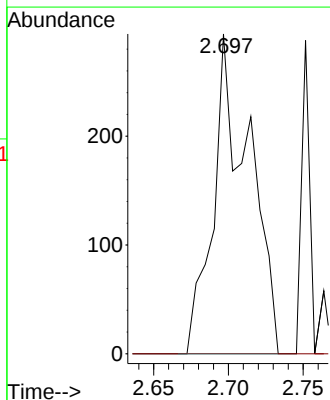
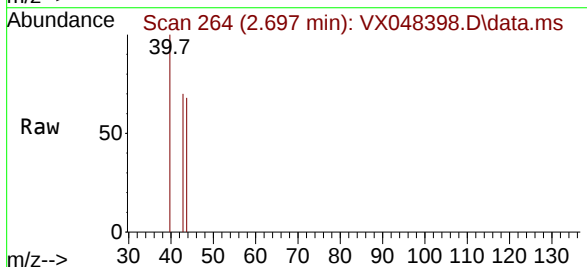
Instrument :
MSVOA_X
ClientSampleId :
COMP-4

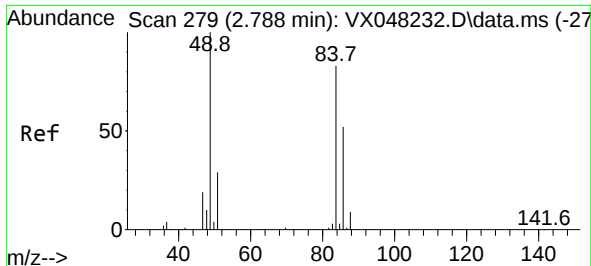
Tgt Ion: 43 Resp: 685
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.2#



#18
Methyl Acetate
Concen: 0.405 ug/l
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX048398.D
Acq: 28 Oct 2025 14:50

Tgt Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

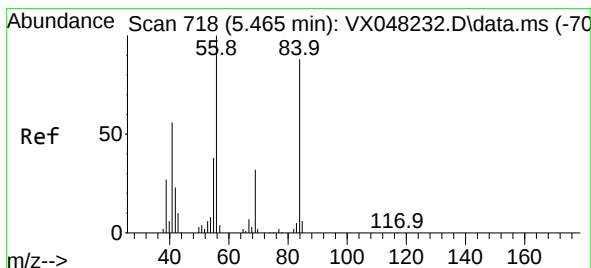
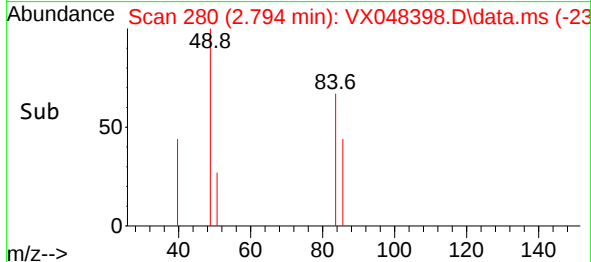
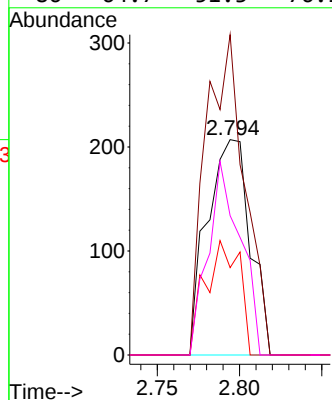
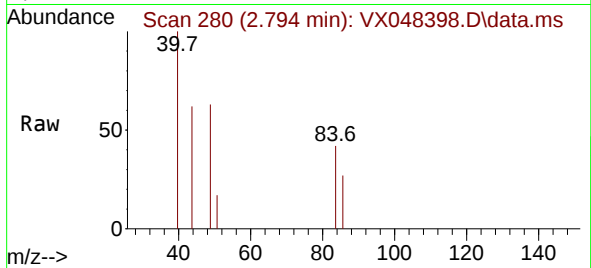




#20
Methylene Chloride
Concen: 0.266 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048398.D
Acq: 28 Oct 2025 14:50

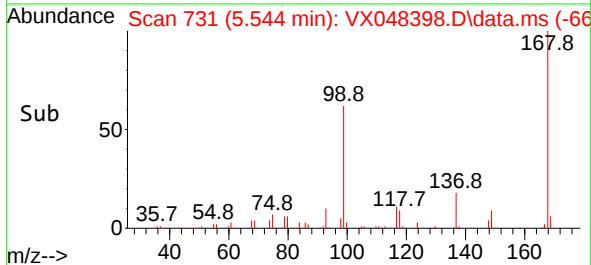
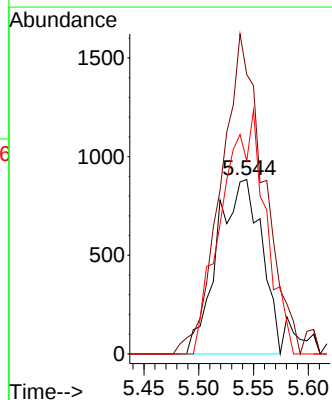
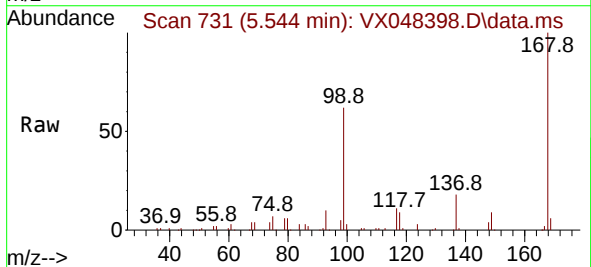
Instrument :
MSVOA_X
ClientSampleId :
COMP-4

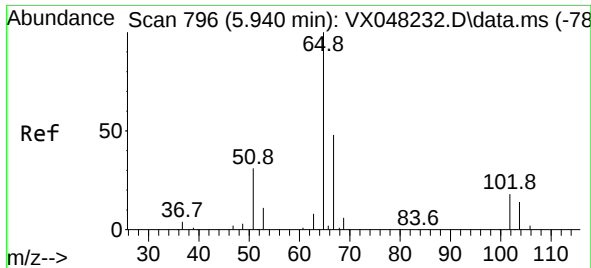
Tgt Ion:	84	Resp:	376
Ion	Ratio	Lower	Upper
84	100		
49	148.8	104.1	156.1
51	40.6	31.3	46.9
86	64.7	51.3	76.9



#31
Cyclohexane
Concen: 1.189 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX048398.D
Acq: 28 Oct 2025 14:50

Tgt Ion:	56	Resp:	2495
Ion	Ratio	Lower	Upper
56	100		
69	154.6	23.0	34.6#
84	110.6	64.6	97.0#

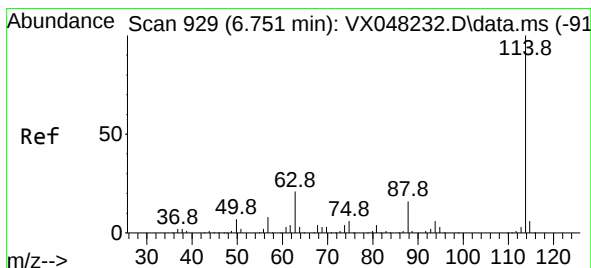
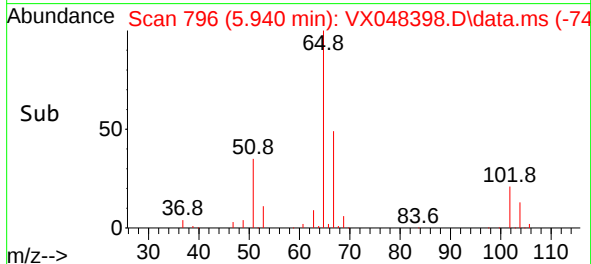
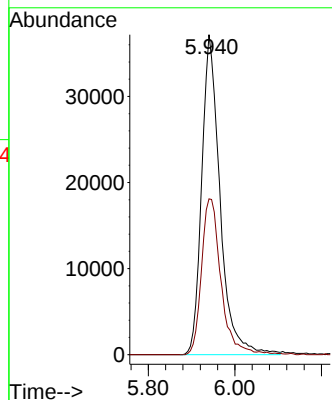
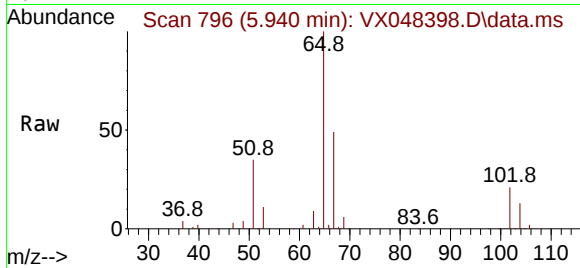




#33
 1,2-Dichloroethane-d4
 Concen: 64.552 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048398.D
 Acq: 28 Oct 2025 14:50

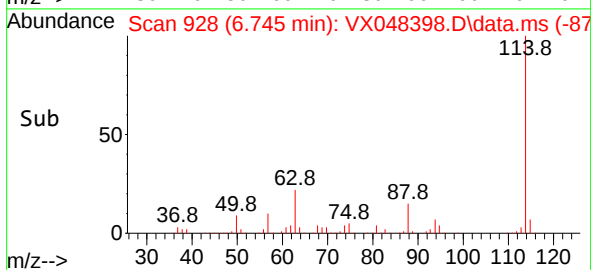
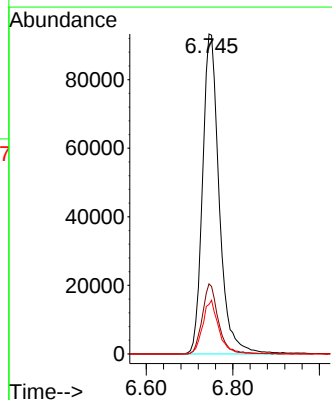
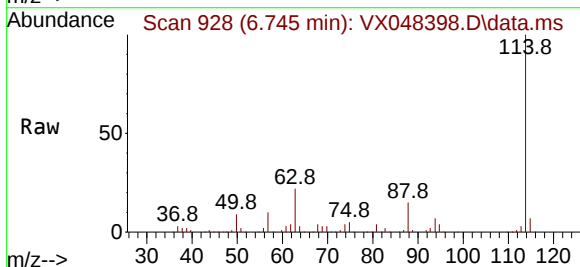
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-4

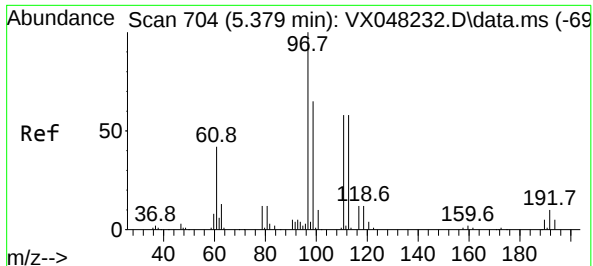
Tgt Ion: 65 Resp: 109132
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048398.D
 Acq: 28 Oct 2025 14:50

Tgt Ion: 114 Resp: 249241
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.2
 88 15.4 0.0 33.6





#35

Dibromofluoromethane

Concen: 44.251 ug/l

RT: 5.373 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX048398.D

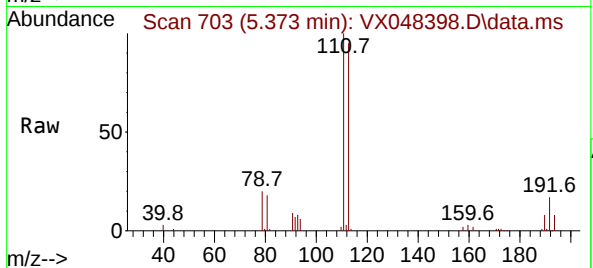
Acq: 28 Oct 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

COMP-4



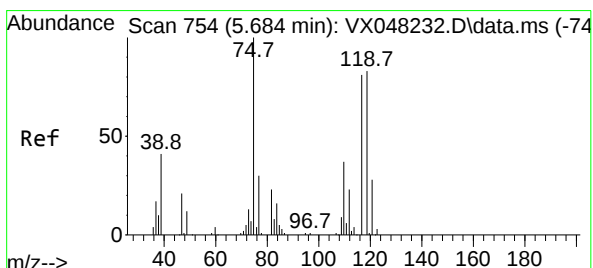
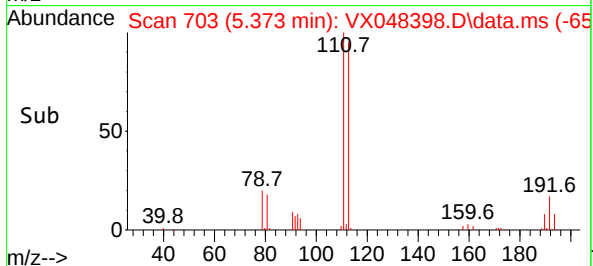
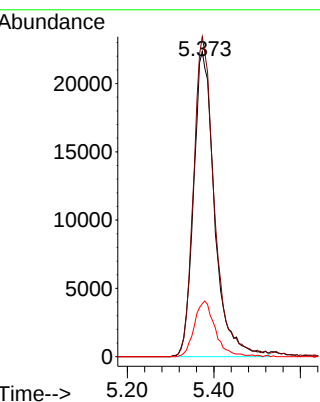
Tgt Ion:113 Resp: 75295

Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

192 18.3 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.098 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.146 min

Lab File: VX048398.D

Acq: 28 Oct 2025 14:50

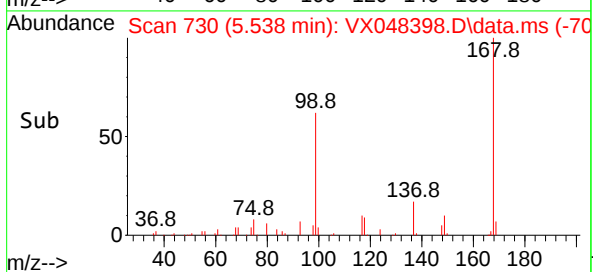
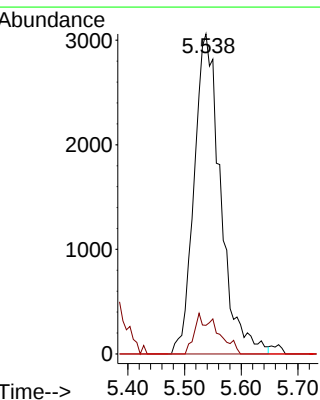
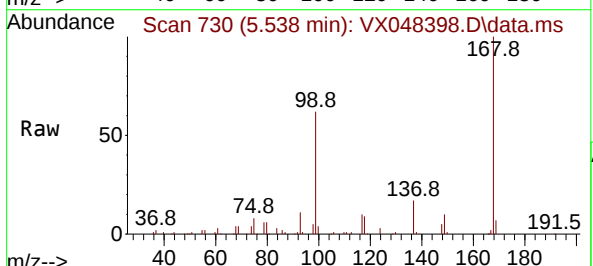
Tgt Ion: 75 Resp: 9910

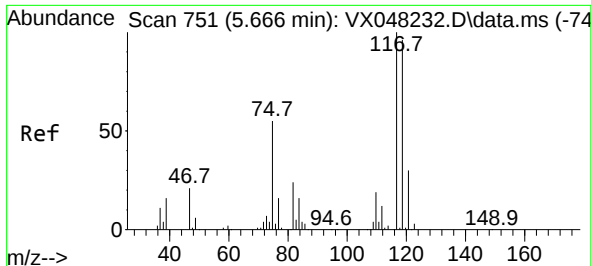
Ion Ratio Lower Upper

75 100

110 5.2 17.7 53.1#

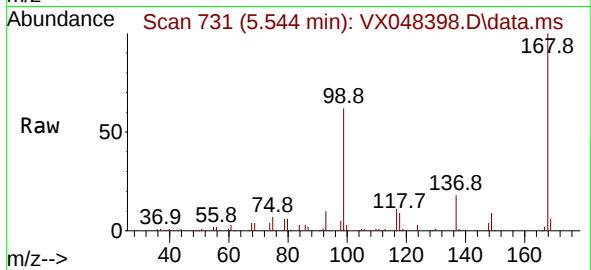
77 0.0 24.3 36.5#



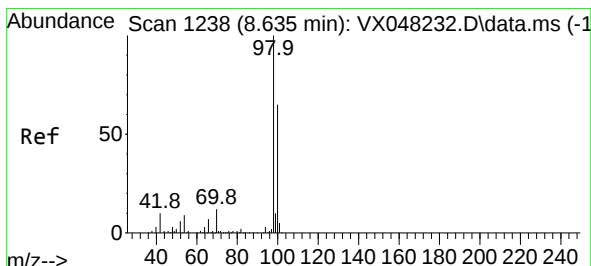
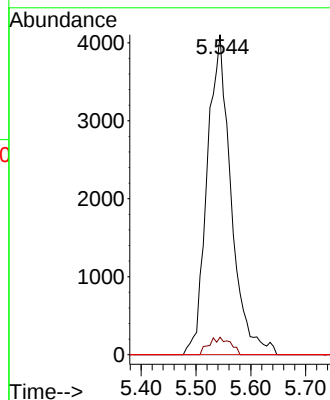
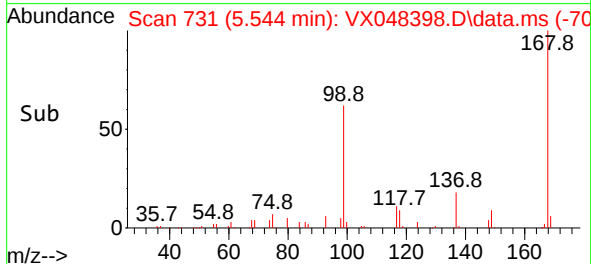


#38
Carbon Tetrachloride
Concen: 4.167 ug/l
RT: 5.544 min Scan# 751
Delta R.T. -0.122 min
Lab File: VX048398.D
Acq: 28 Oct 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
COMP-4

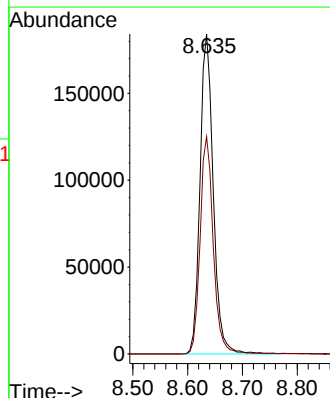
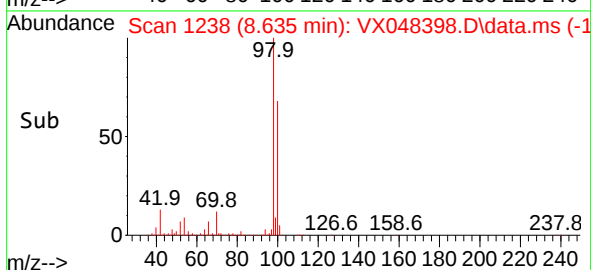
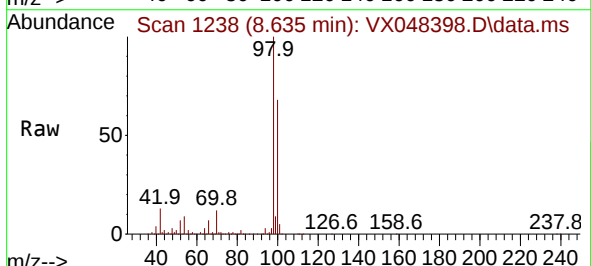


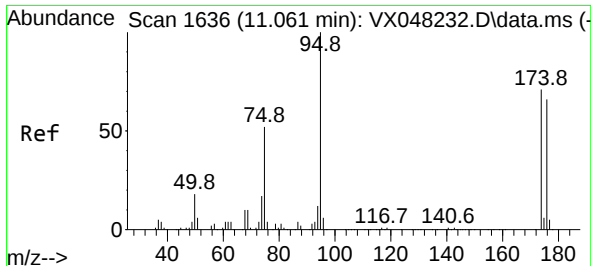
Tgt Ion:117 Resp: 12434
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.896 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048398.D
Acq: 28 Oct 2025 14:50

Tgt Ion: 98 Resp: 309517
Ion Ratio Lower Upper
98 100
100 67.6 53.0 79.4





#62

4-Bromofluorobenzene

Concen: 61.067 ug/l

RT: 11.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048398.D

Acq: 28 Oct 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

COMP-4

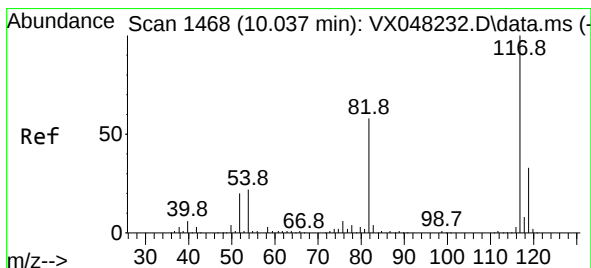
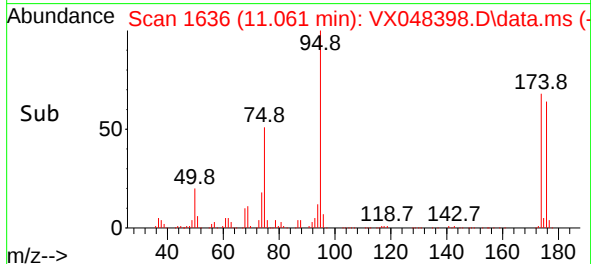
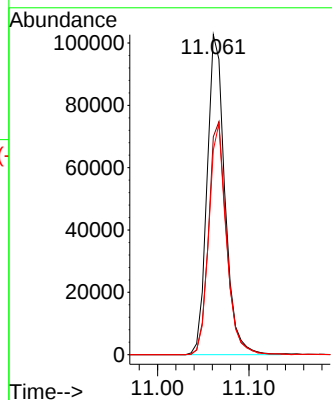
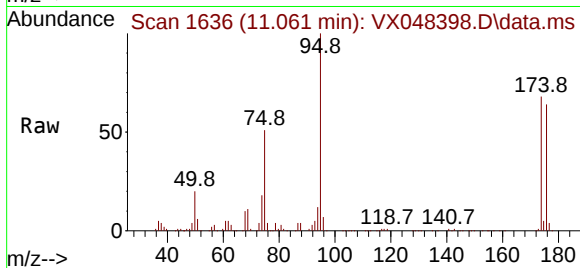
Tgt Ion: 95 Resp: 138556

Ion Ratio Lower Upper

95 100

174 73.4 0.0 147.8

176 71.1 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: VX048398.D

Acq: 28 Oct 2025 14:50

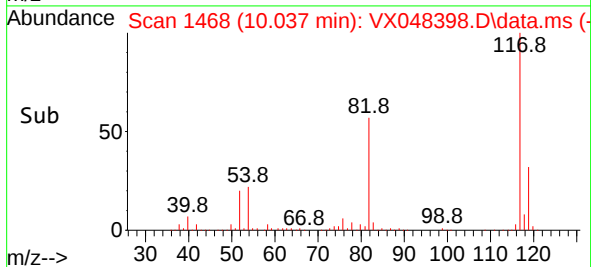
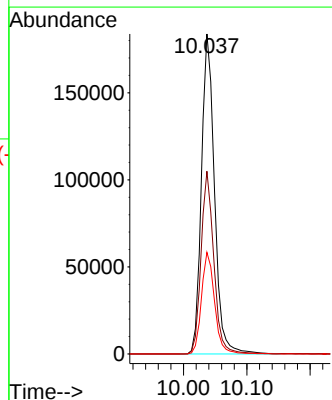
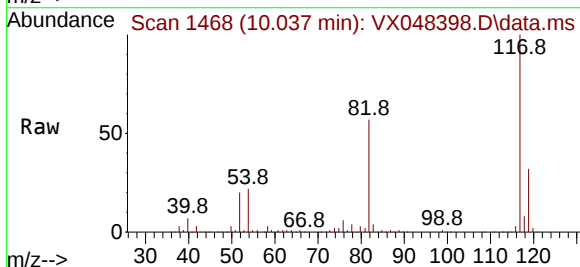
Tgt Ion: 117 Resp: 264809

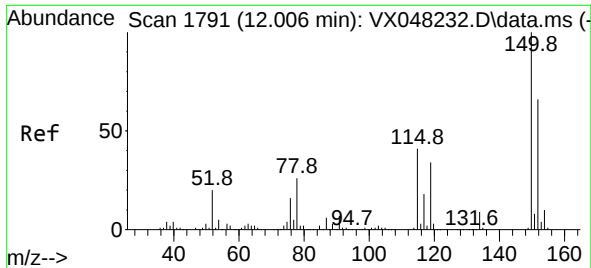
Ion Ratio Lower Upper

117 100

82 57.1 46.5 69.7

119 31.7 25.9 38.9

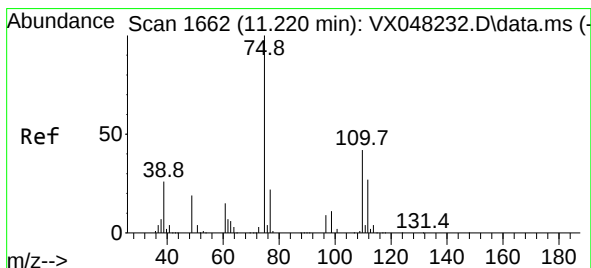
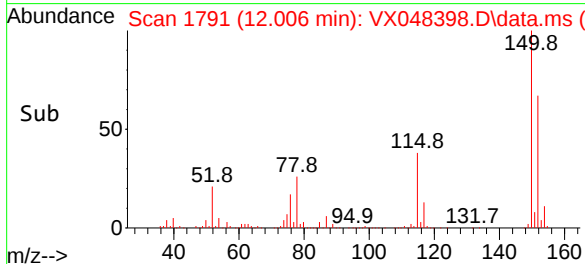
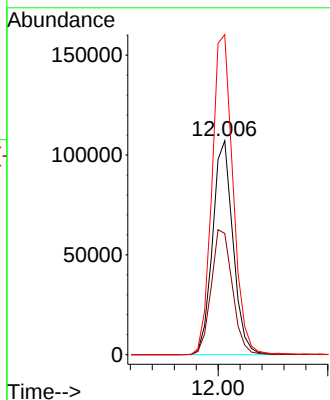
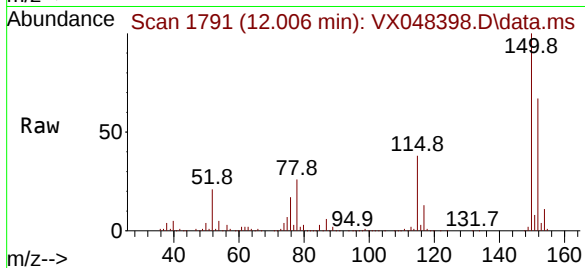




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX048398.D
 Acq: 28 Oct 2025 14:50

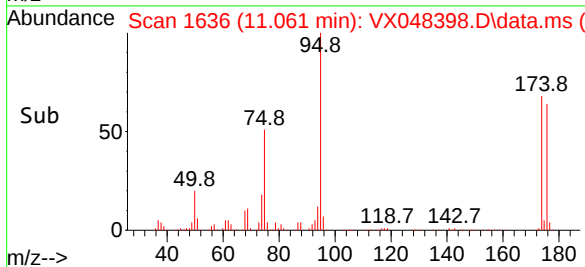
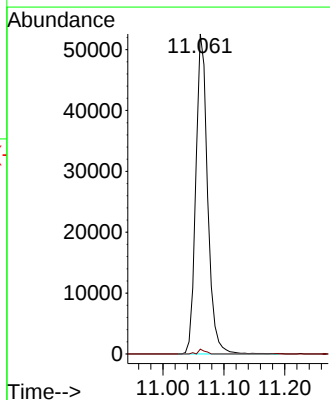
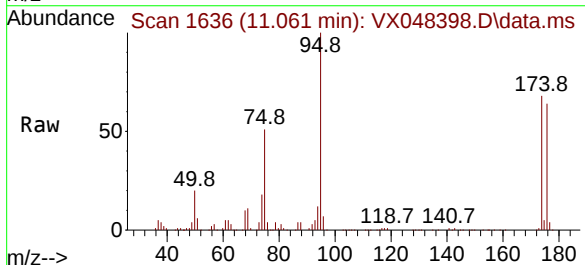
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-4

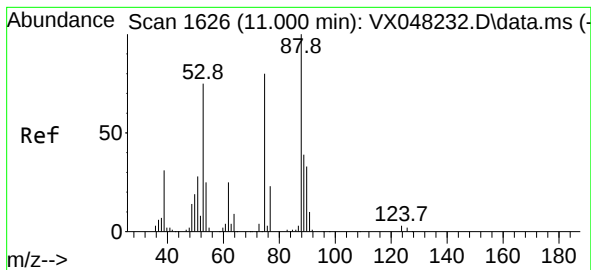
Tgt Ion:152 Resp: 138669
 Ion Ratio Lower Upper
 152 100
 115 60.7 43.1 129.4
 150 154.6 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 31.372 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048398.D
 Acq: 28 Oct 2025 14:50

Tgt Ion: 75 Resp: 70547
 Ion Ratio Lower Upper
 75 100
 77 0.9 22.4 67.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 76.325 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048398.D
Acq: 28 Oct 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
COMP-4

Tgt Ion: 75 Resp: 70547
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#

