

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048214.D
 Acq On : 17 Oct 2025 15:52
 Operator : JC/MD
 Sample : Q3348-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WCS-TP1

Quant Time: Oct 18 00:19:56 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

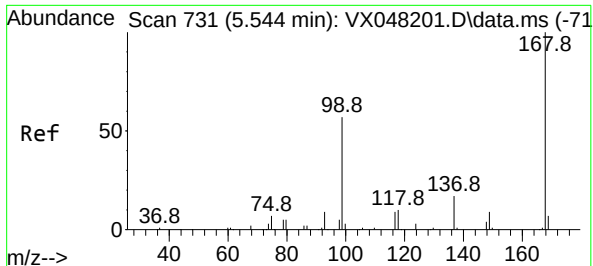
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.543	168	100604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	201041	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	218558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111919	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	85214	54.675	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.340%
35) Dibromofluoromethane	5.379	113	70869	50.792	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.580%
50) Toluene-d8	8.634	98	245094	48.759	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.520%
62) 4-Bromofluorobenzene	11.061	95	107101	58.499	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.000%

Target Compounds					Qvalue	
11) Tert butyl alcohol	2.952	59	307	2.969	ug/l #	72
16) Acetone	2.379	43	11828	22.247	ug/l	98
18) Methyl Acetate	2.702	43	4603	4.251	ug/l #	88
20) Methylene Chloride	2.794	84	5179	3.999	ug/l	86
25) 2-Butanone	4.562	43	3992	6.445	ug/l	96
29) Tetrahydrofuran	5.025	42	509	1.399	ug/l #	53
31) Cyclohexane	5.537	56	2115	1.110	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	8303	4.224	ug/l #	50
37) Ethyl Acetate	4.714	43	2888	1.839	ug/l #	91
38) Carbon Tetrachloride	5.537	117	10739	4.760	ug/l #	17
43) Isopropyl Acetate	6.330	43	6843	2.595	ug/l	99
48) Methyl methacrylate	7.781	41	38323	28.391	ug/l #	45
51) 4-Methyl-2-Pentanone	8.537	43	47919	32.658	ug/l #	52
54) cis-1,3-Dichloropropene	8.537	75	22063	9.406	ug/l #	58
57) 1,3-Dichloropropane	9.469	76	1662	0.727	ug/l #	43
59) 2-Hexanone	9.469	43	22277	21.705	ug/l #	58
76) 1,2,3-Trichloropropane	11.061	75	54461	31.866	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	54461	78.029	ug/l #	10
94) Hexachlorobutadiene	13.707	225	287	0.366	ug/l #	62

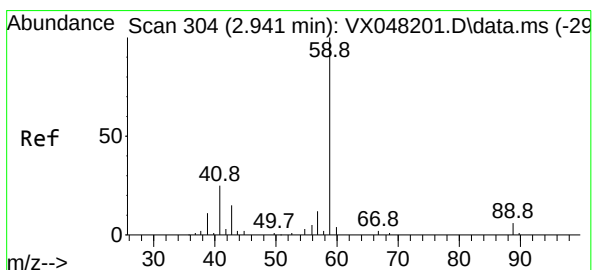
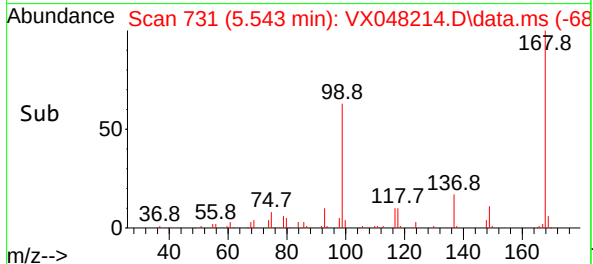
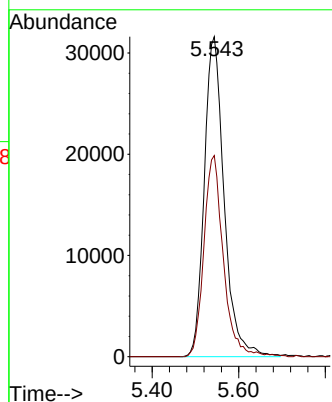
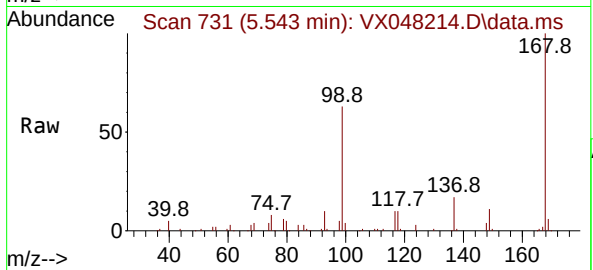
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048214.D
Acq: 17 Oct 2025 15:52

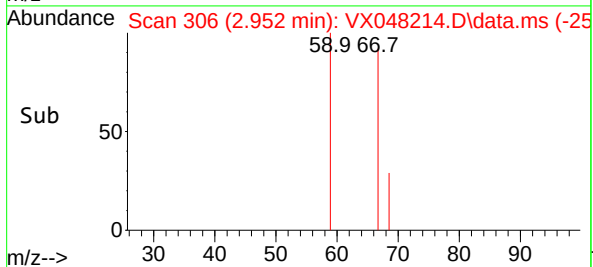
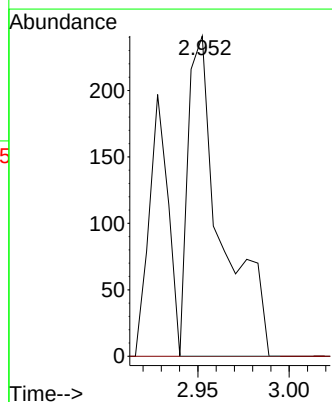
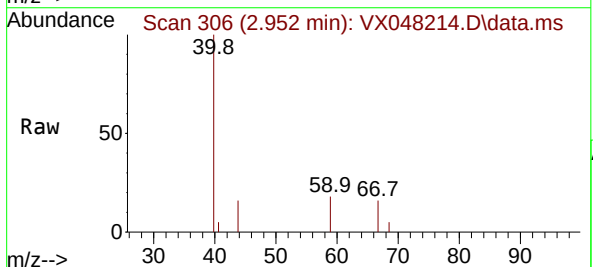
Instrument :
MSVOA_X
ClientSampleId :
WCS-TP1

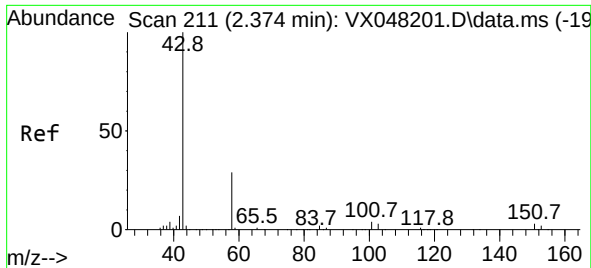
Tgt Ion:168 Resp: 100604
Ion Ratio Lower Upper
168 100
99 62.9 46.4 69.6



#11
Tert butyl alcohol
Concen: 2.969 ug/l
RT: 2.952 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX048214.D
Acq: 17 Oct 2025 15:52

Tgt Ion: 59 Resp: 307
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

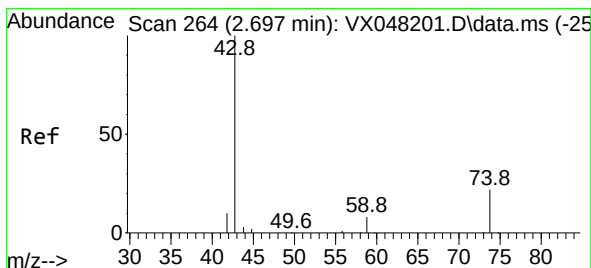
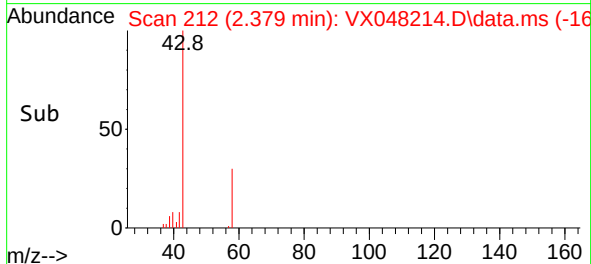
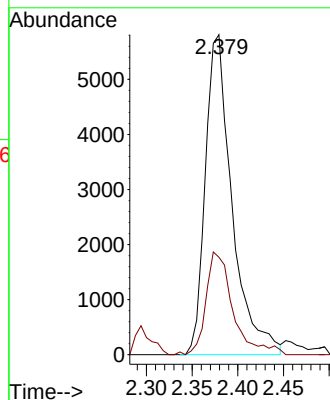
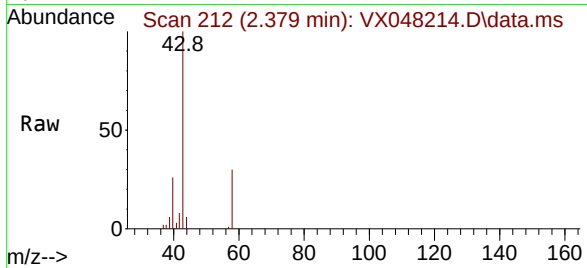




#16
Acetone
Concen: 22.247 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048214.D
Acq: 17 Oct 2025 15:52

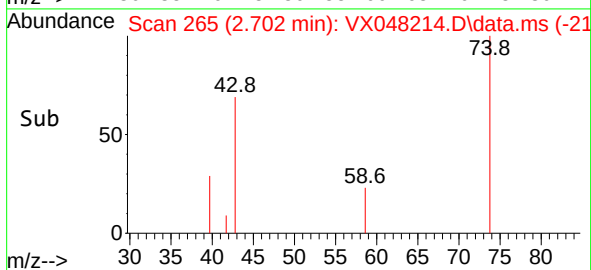
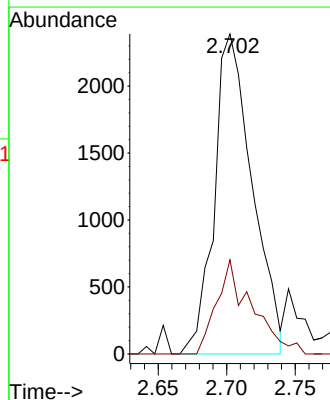
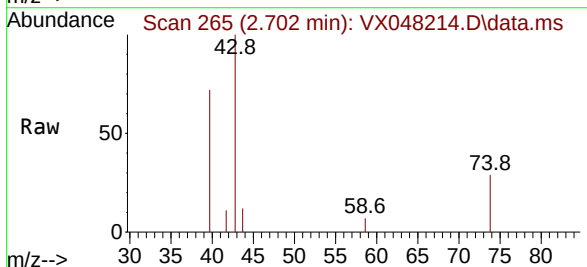
Instrument :
MSVOA_X
ClientSampleId :
WCS-TP1

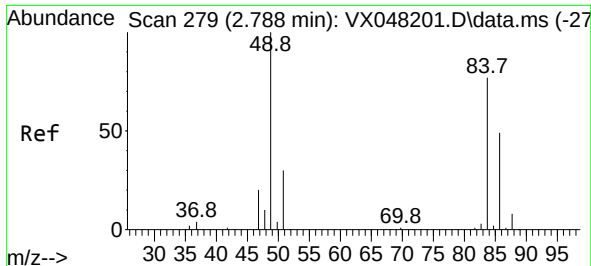
Tgt Ion: 43 Resp: 11828
Ion Ratio Lower Upper
43 100
58 30.5 23.4 35.2



#18
Methyl Acetate
Concen: 4.251 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048214.D
Acq: 17 Oct 2025 15:52

Tgt Ion: 43 Resp: 4603
Ion Ratio Lower Upper
43 100
74 27.4 17.5 26.3#

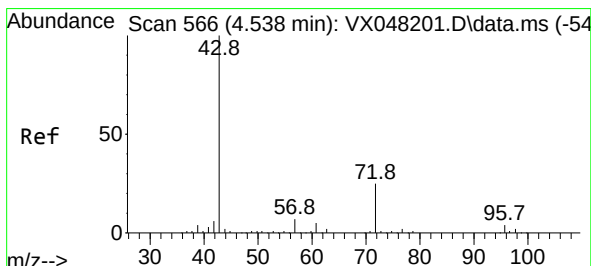
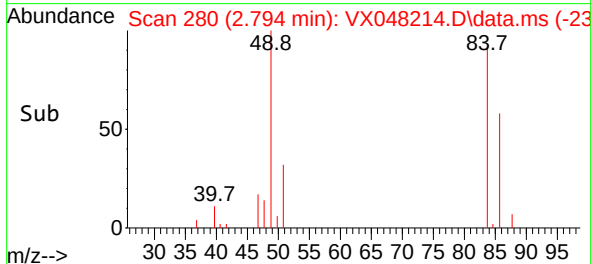
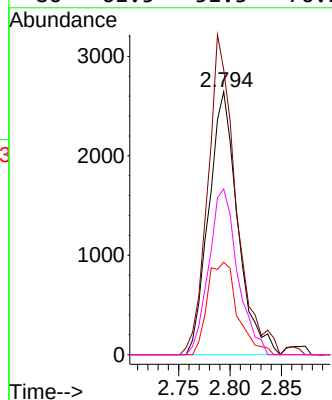
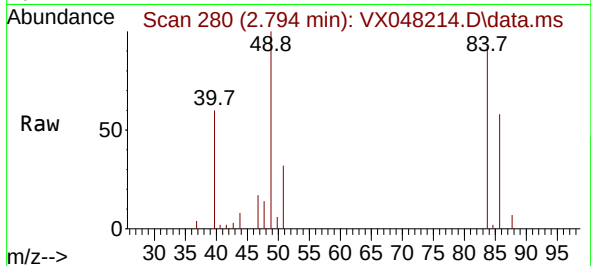




#20
Methylene Chloride
Concen: 3.999 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048214.D
Acq: 17 Oct 2025 15:52

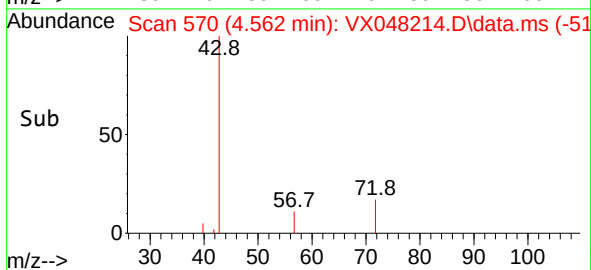
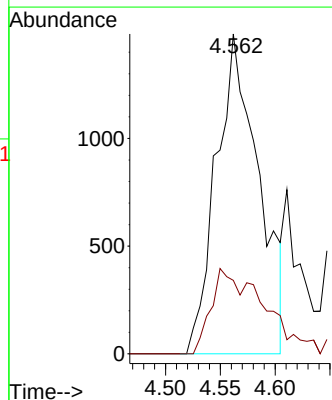
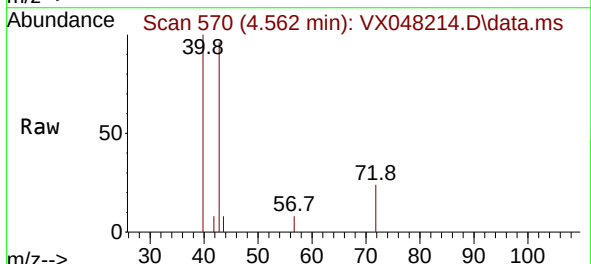
Instrument :
MSVOA_X
ClientSampleId :
WCS-TP1

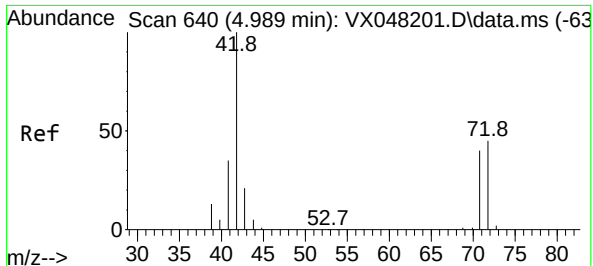
Tgt Ion:	84	Resp:	5179
Ion	Ratio	Lower	Upper
84	100		
49	105.7	104.1	156.1
51	34.3	31.3	46.9
86	61.5	51.3	76.9



#25
2-Butanone
Concen: 6.445 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.024 min
Lab File: VX048214.D
Acq: 17 Oct 2025 15:52

Tgt Ion:	43	Resp:	3992
Ion	Ratio	Lower	Upper
43	100		
72	23.0	19.9	29.9





#29

Tetrahydrofuran

Concen: 1.399 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX048214.D

Acq: 17 Oct 2025 15:52

Instrument :

MSVOA_X

ClientSampleId :

WCS-TP1

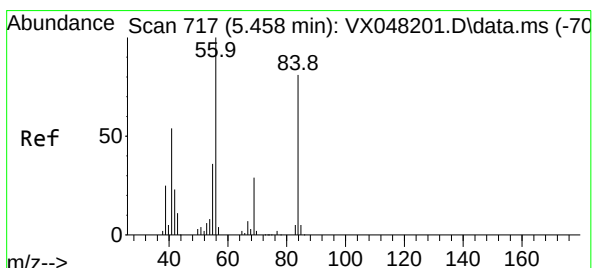
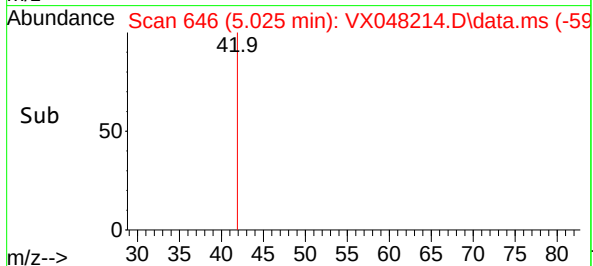
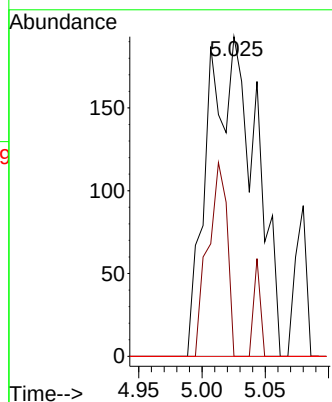
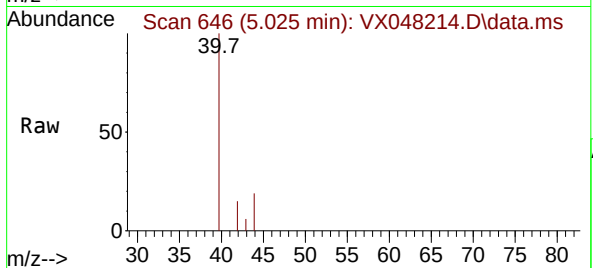
Tgt Ion: 42 Resp: 509

Ion Ratio Lower Upper

42 100

72 24.4 35.3 52.9#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 1.110 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX048214.D

Acq: 17 Oct 2025 15:52

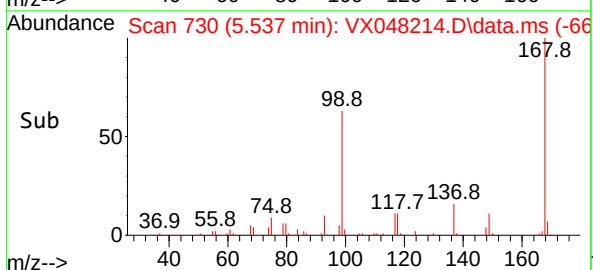
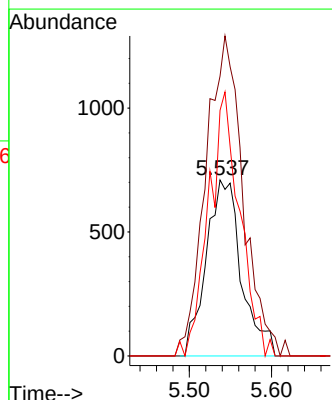
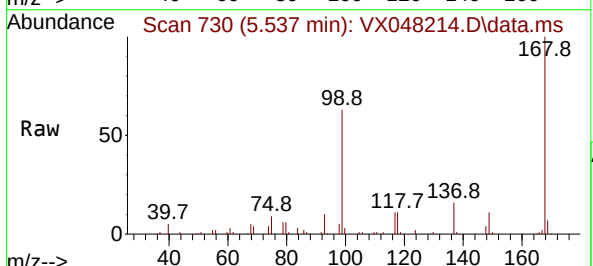
Tgt Ion: 56 Resp: 2115

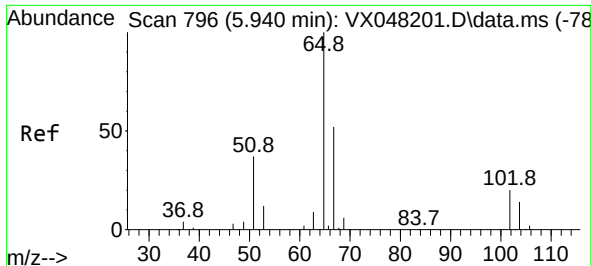
Ion Ratio Lower Upper

56 100

69 159.0 23.0 34.6#

84 139.6 64.6 97.0#

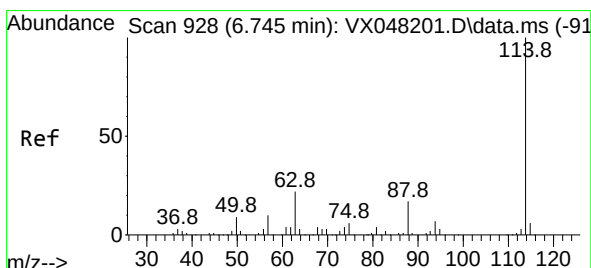
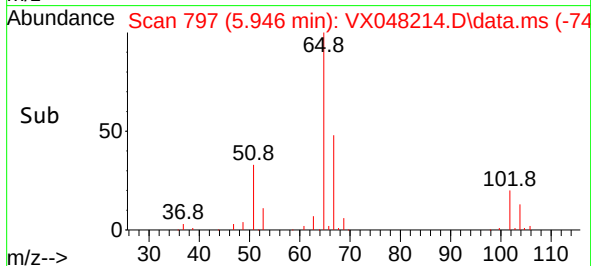
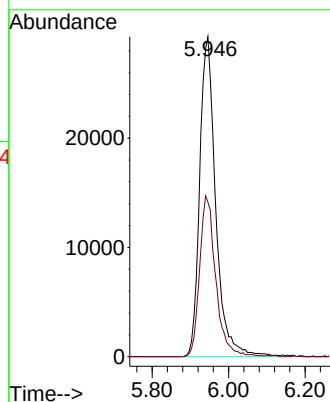
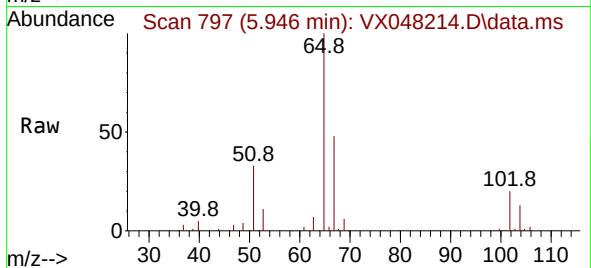




#33
 1,2-Dichloroethane-d4
 Concen: 54.675 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX048214.D
 Acq: 17 Oct 2025 15:52

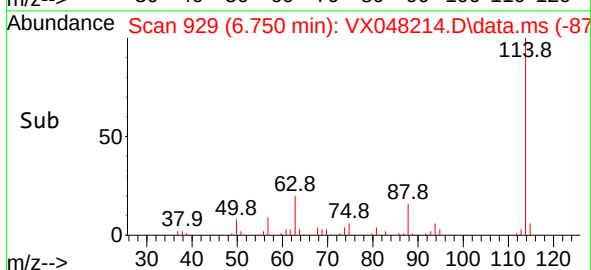
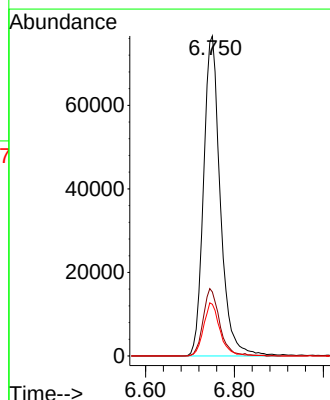
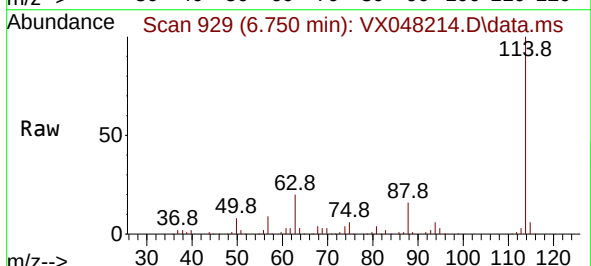
Instrument :
 MSVOA_X
 ClientSampleId :
 WCS-TP1

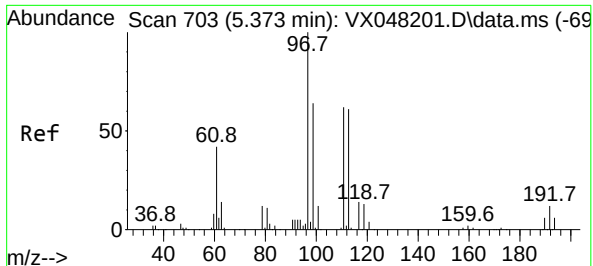
Tgt Ion: 65 Resp: 85214
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.750 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048214.D
 Acq: 17 Oct 2025 15:52

Tgt Ion: 114 Resp: 201041
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 43.2
 88 16.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.792 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048214.D

Acq: 17 Oct 2025 15:52

Instrument :

MSVOA_X

ClientSampleId :

WCS-TP1

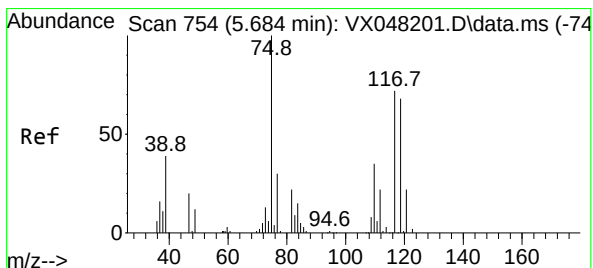
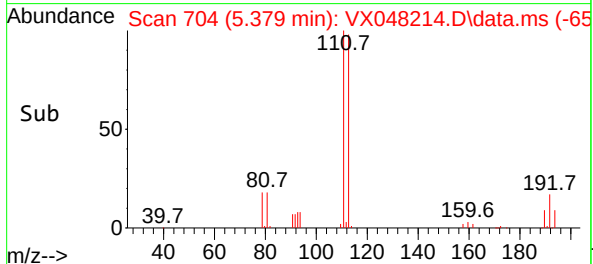
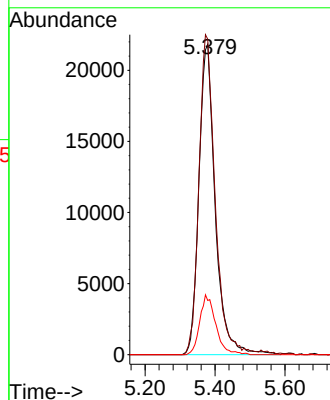
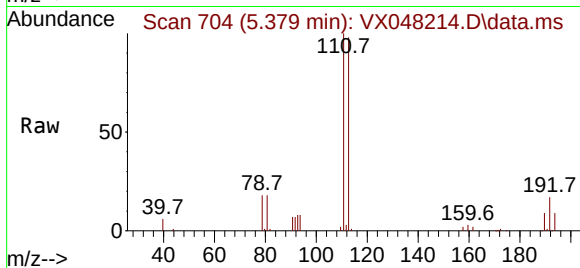
Tgt Ion:113 Resp: 70869

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

192 18.8 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.224 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.147 min

Lab File: VX048214.D

Acq: 17 Oct 2025 15:52

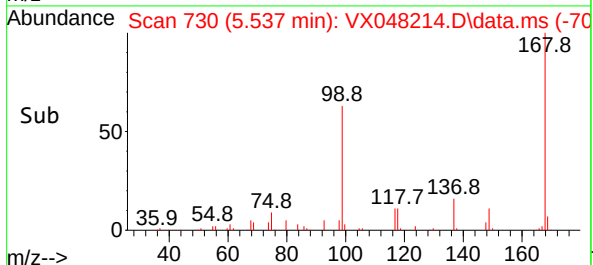
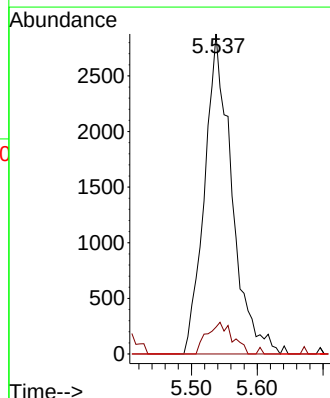
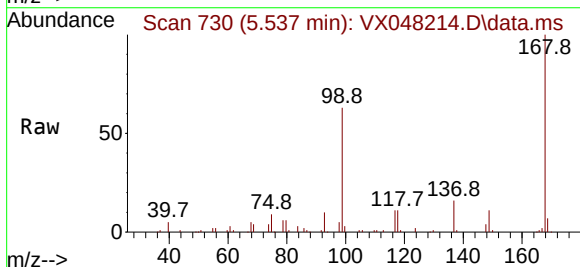
Tgt Ion: 75 Resp: 8303

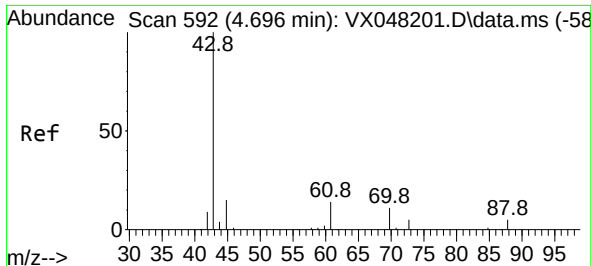
Ion Ratio Lower Upper

75 100

110 9.2 17.7 53.1#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 1.839 ug/l

RT: 4.714 min Scan# 592

Delta R.T. 0.018 min

Lab File: VX048214.D

Acq: 17 Oct 2025 15:52

Instrument :

MSVOA_X

ClientSampleId :

WCS-TP1

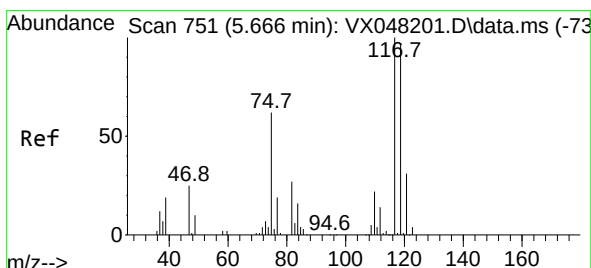
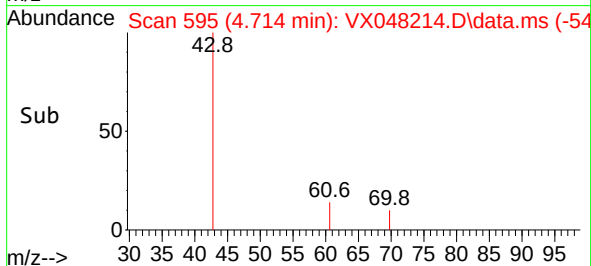
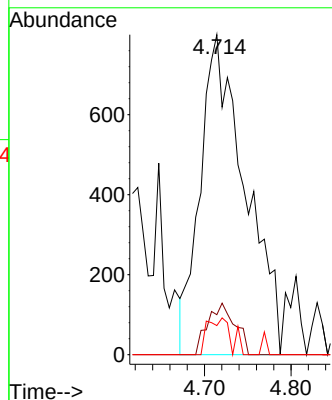
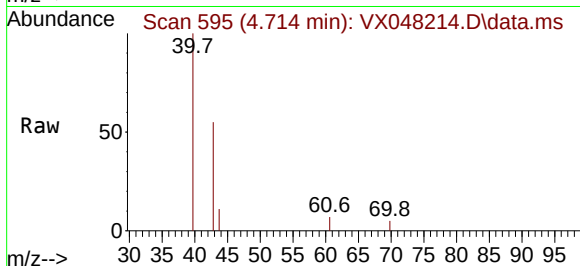
Tgt Ion: 43 Resp: 2888

Ion Ratio Lower Upper

43 100

61 9.8 10.6 15.8#

70 6.1 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 4.760 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.128 min

Lab File: VX048214.D

Acq: 17 Oct 2025 15:52

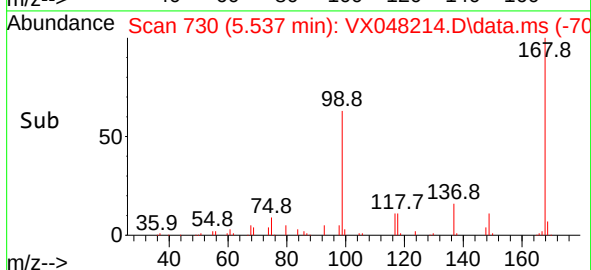
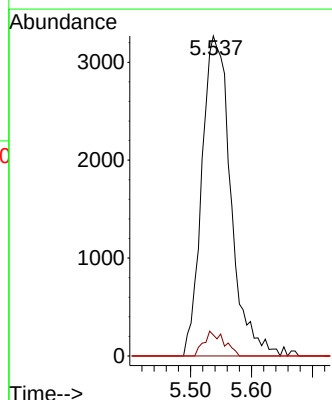
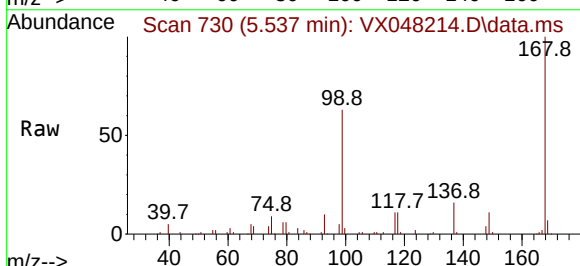
Tgt Ion: 117 Resp: 10739

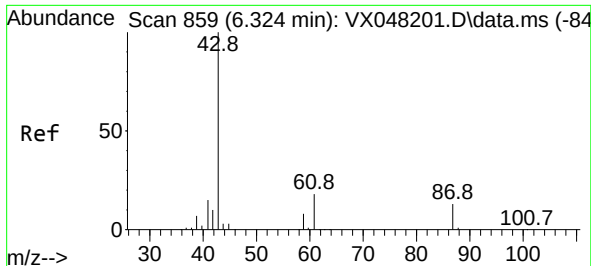
Ion Ratio Lower Upper

117 100

119 6.5 77.2 115.8#

121 0.0 24.8 37.2#

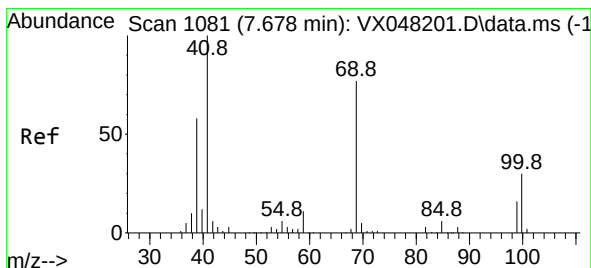
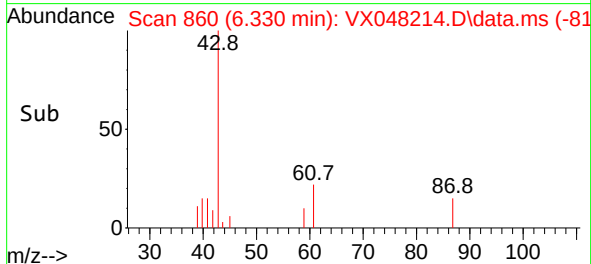
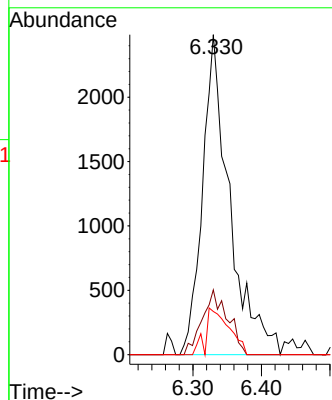
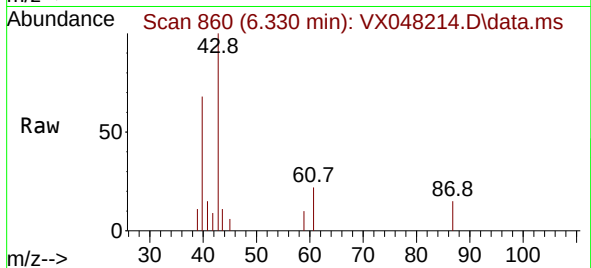




#43
Isopropyl Acetate
Concen: 2.595 ug/l
RT: 6.330 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX048214.D
Acq: 17 Oct 2025 15:52

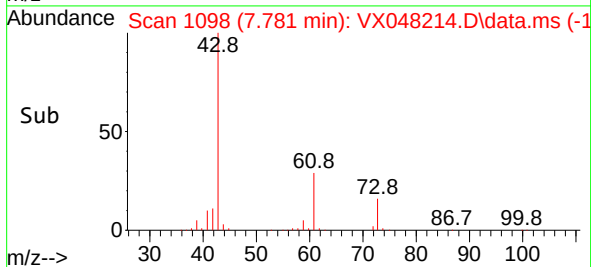
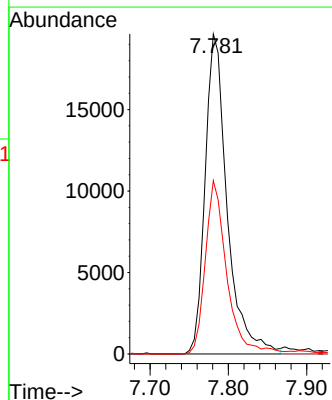
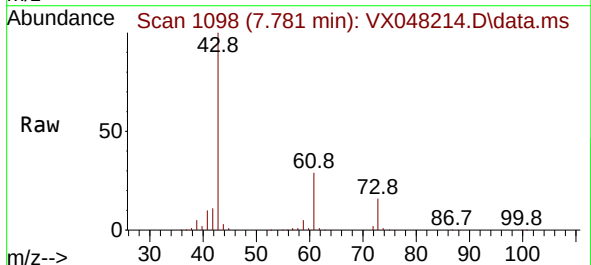
Instrument :
MSVOA_X
ClientSampleId :
WCS-TP1

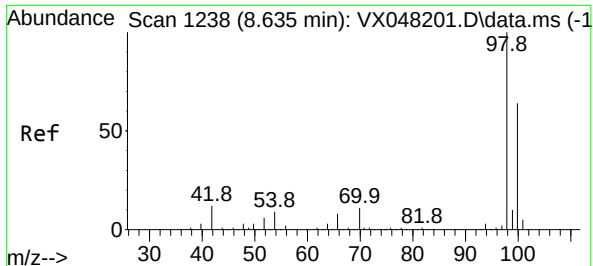
Tgt Ion: 43 Resp: 6843
Ion Ratio Lower Upper
43 100
61 18.9 14.9 22.3
87 12.5 9.4 14.2



#48
Methyl methacrylate
Concen: 28.391 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.103 min
Lab File: VX048214.D
Acq: 17 Oct 2025 15:52

Tgt Ion: 41 Resp: 38323
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 52.7 47.1 70.7

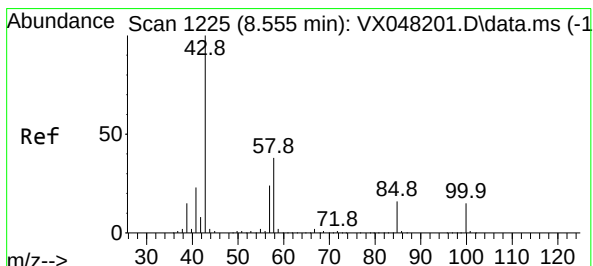
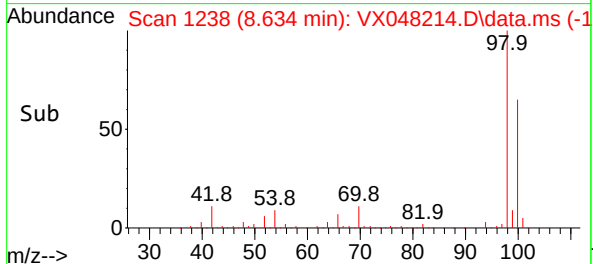
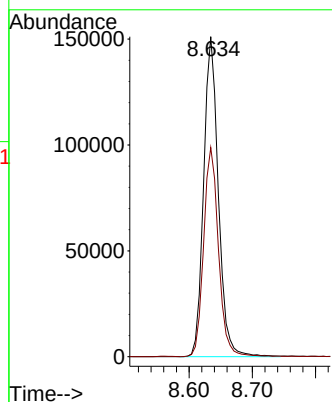
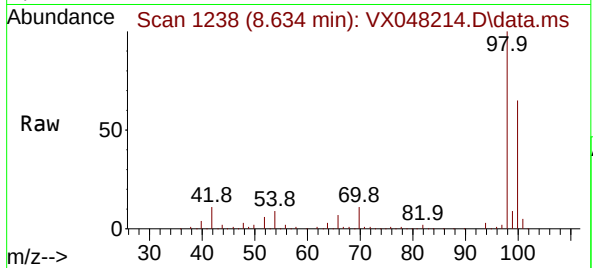




#50
Toluene-d8
Concen: 48.759 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048214.D
Acq: 17 Oct 2025 15:52

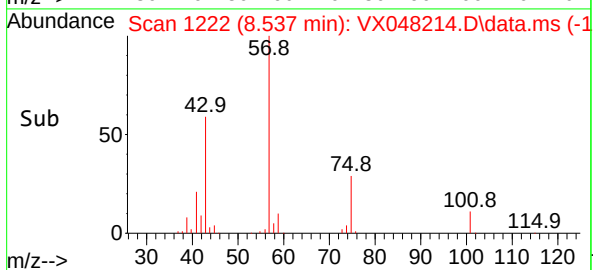
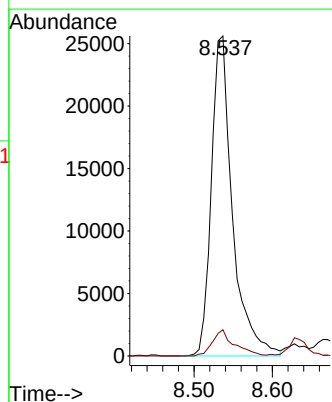
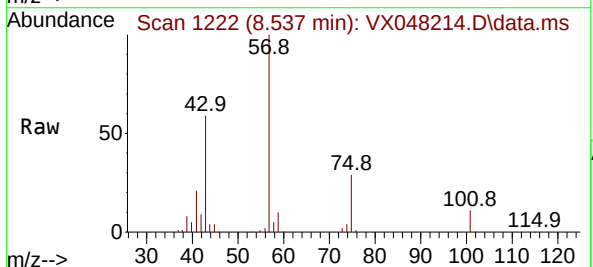
Instrument :
MSVOA_X
ClientSampleId :
WCS-TP1

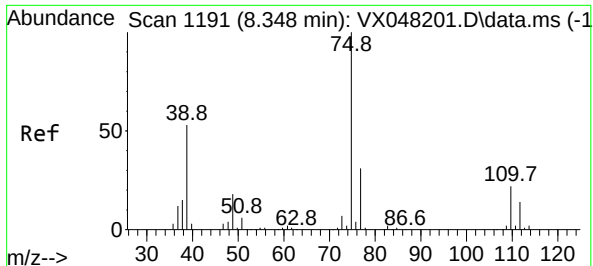
Tgt Ion: 98 Resp: 245094
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 32.658 ug/l
RT: 8.537 min Scan# 1222
Delta R.T. -0.019 min
Lab File: VX048214.D
Acq: 17 Oct 2025 15:52

Tgt Ion: 43 Resp: 47919
Ion Ratio Lower Upper
43 100
58 8.4 29.5 44.3#

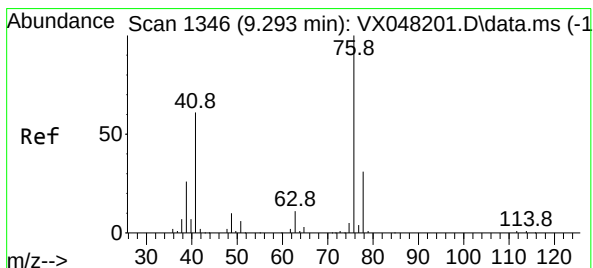
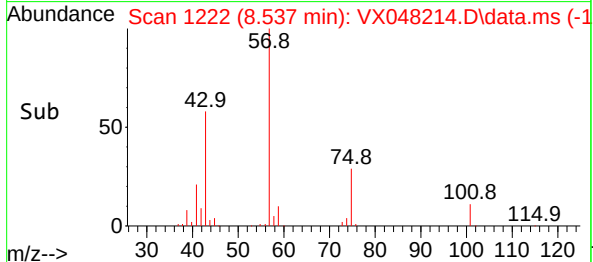
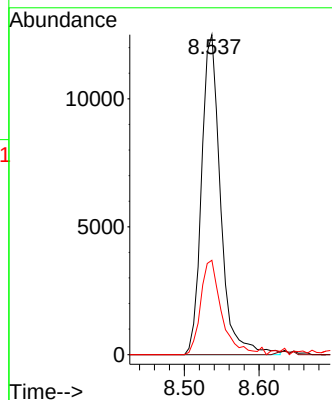
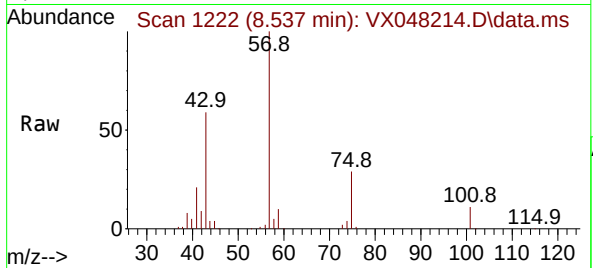




#54
 cis-1,3-Dichloropropene
 Concen: 9.406 ug/l
 RT: 8.537 min Scan# 1191
 Delta R.T. 0.189 min
 Lab File: VX048214.D
 Acq: 17 Oct 2025 15:52

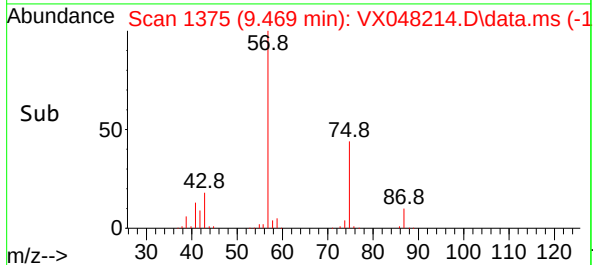
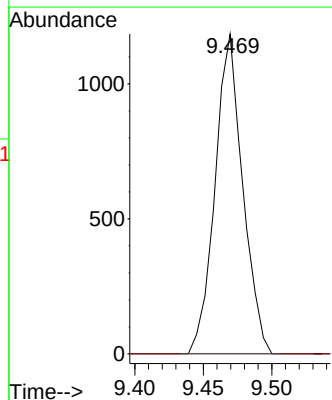
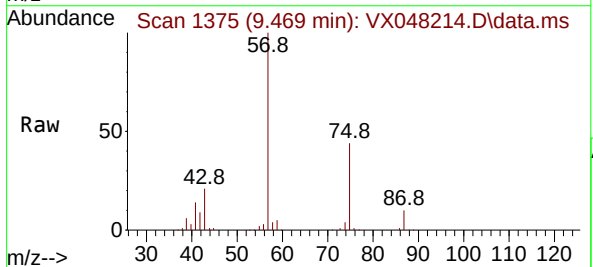
Instrument :
 MSVOA_X
 ClientSampleId :
 WCS-TP1

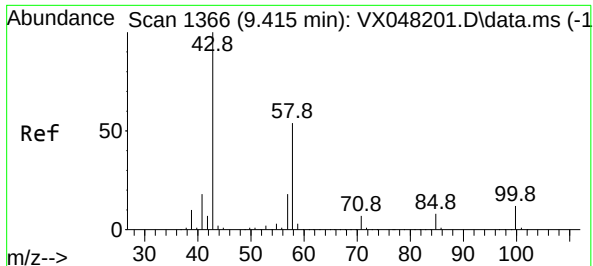
Tgt Ion: 75 Resp: 22063
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 29.5 42.6 64.0#



#57
 1,3-Dichloropropane
 Concen: 0.727 ug/l
 RT: 9.469 min Scan# 1375
 Delta R.T. 0.176 min
 Lab File: VX048214.D
 Acq: 17 Oct 2025 15:52

Tgt Ion: 76 Resp: 1662
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#





#59

2-Hexanone

Concen: 21.705 ug/l

RT: 9.469 min Scan# 1

Delta R.T. 0.054 min

Lab File: VX048214.D

Acq: 17 Oct 2025 15:52

Instrument :

MSVOA_X

ClientSampleId :

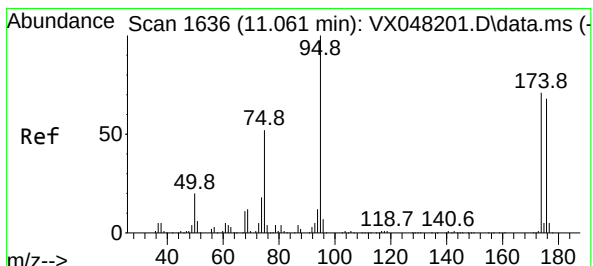
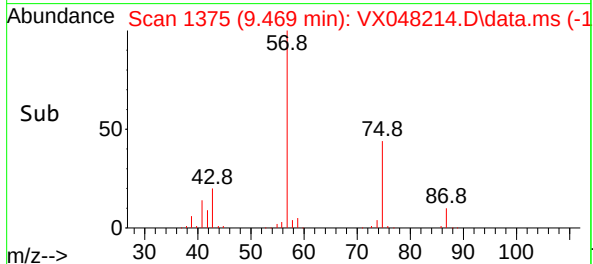
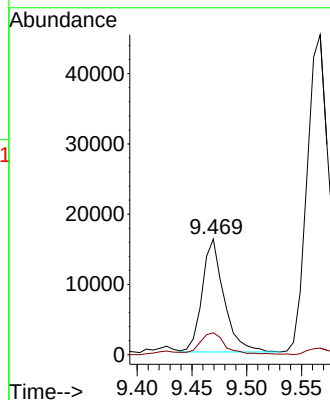
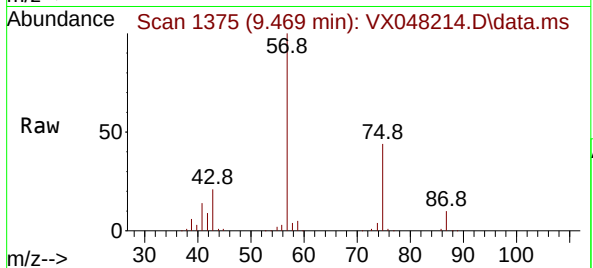
WCS-TP1

Tgt Ion: 43 Resp: 22277

Ion Ratio Lower Upper

43 100

58 22.7 26.3 78.8#



#62

4-Bromofluorobenzene

Concen: 58.499 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048214.D

Acq: 17 Oct 2025 15:52

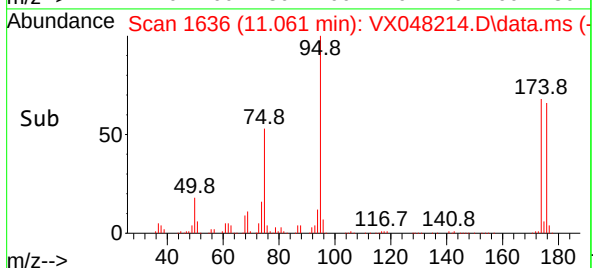
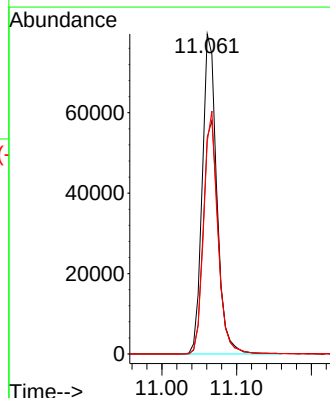
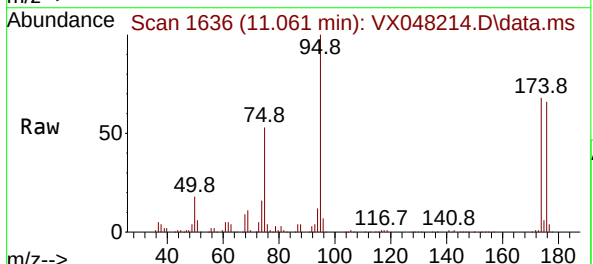
Tgt Ion: 95 Resp: 107101

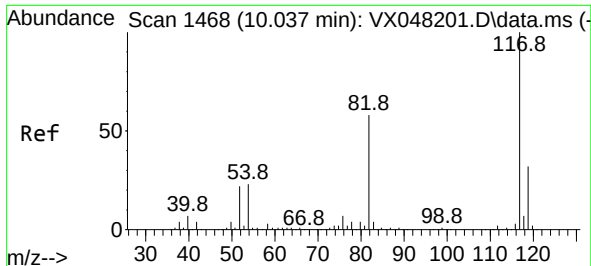
Ion Ratio Lower Upper

95 100

174 75.1 0.0 147.8

176 74.1 0.0 142.8

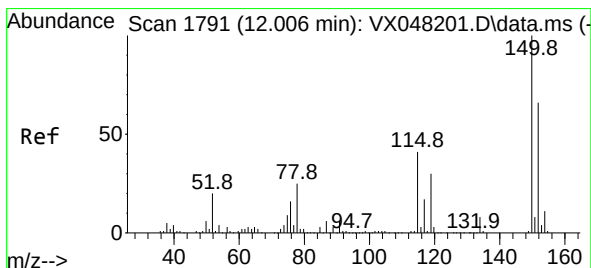
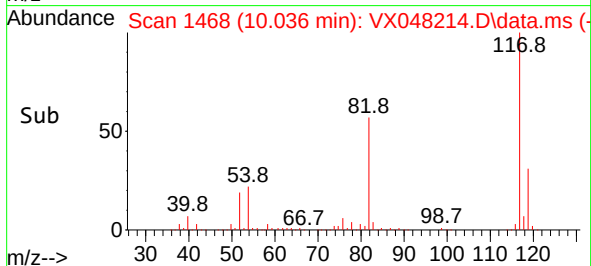
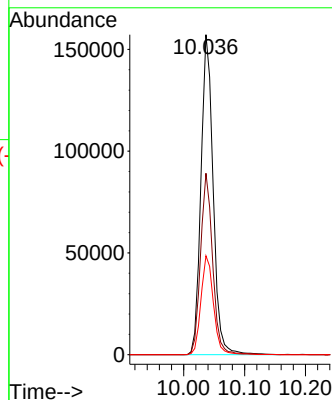
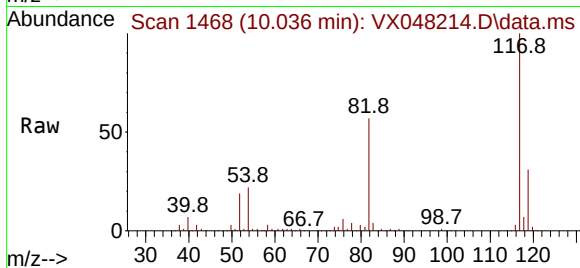




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048214.D
Acq: 17 Oct 2025 15:52

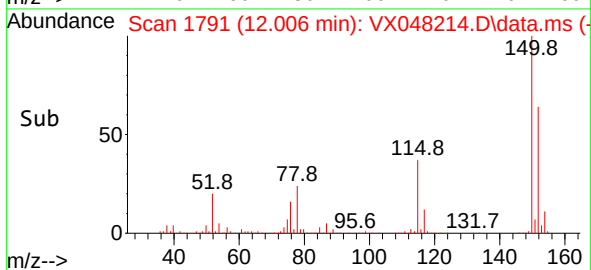
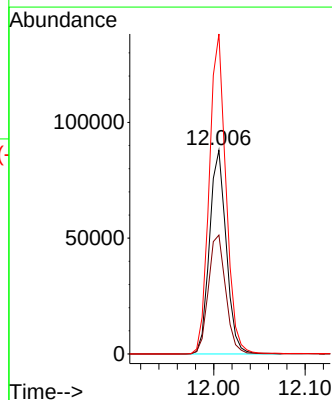
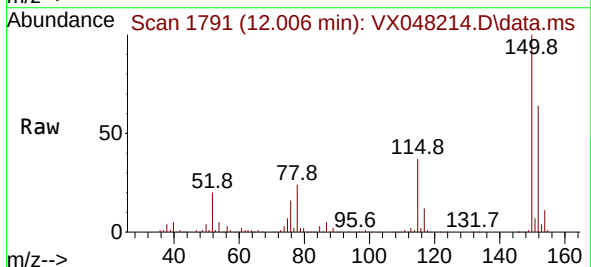
Instrument :
MSVOA_X
ClientSampleId :
WCS-TP1

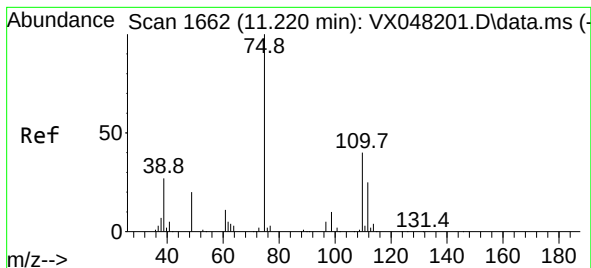
Tgt Ion:117 Resp: 218558
Ion Ratio Lower Upper
117 100
82 56.7 46.5 69.7
119 30.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048214.D
Acq: 17 Oct 2025 15:52

Tgt Ion:152 Resp: 111919
Ion Ratio Lower Upper
152 100
115 60.5 43.1 129.4
150 156.7 0.0 353.0





#76

1,2,3-Trichloropropane

Concen: 31.866 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX048214.D

Acq: 17 Oct 2025 15:52

Instrument :

MSVOA_X

ClientSampleId :

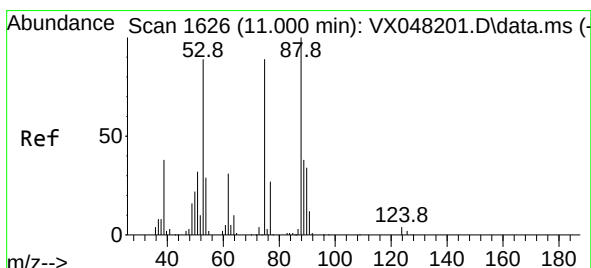
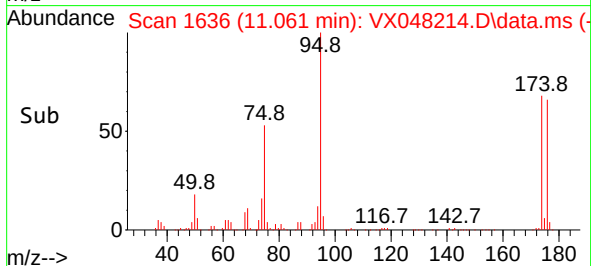
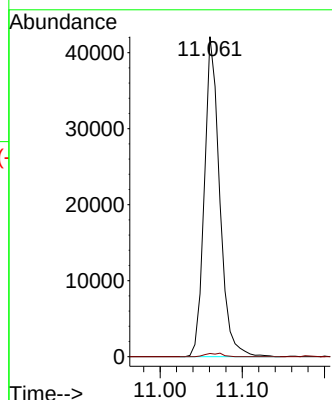
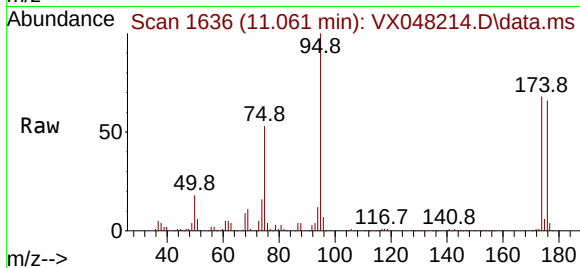
WCS-TP1

Tgt Ion: 75 Resp: 54461

Ion Ratio Lower Upper

75 100

77 1.2 22.4 67.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.029 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048214.D

Acq: 17 Oct 2025 15:52

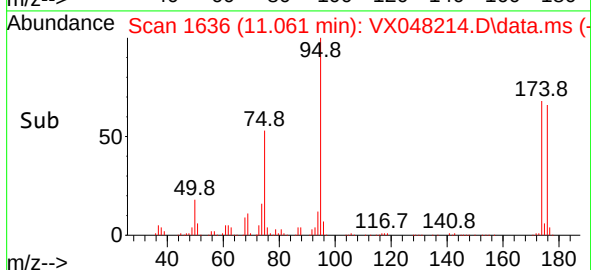
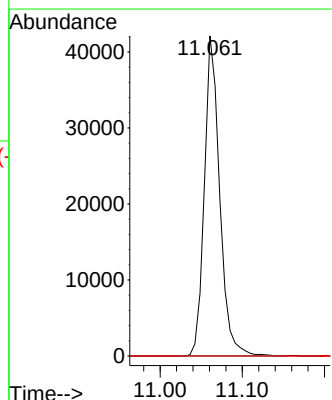
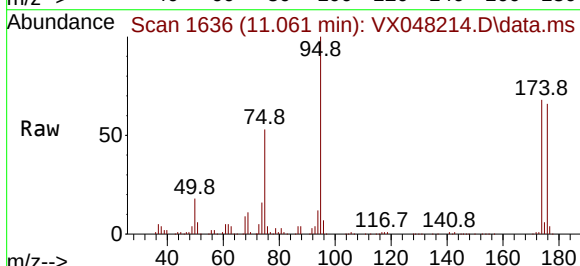
Tgt Ion: 75 Resp: 54461

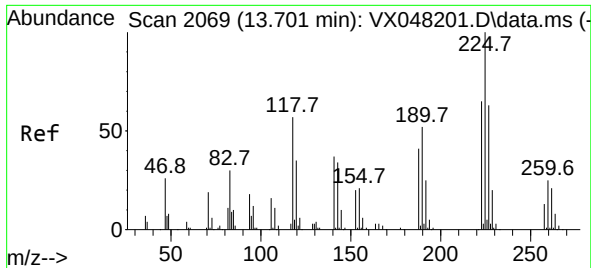
Ion Ratio Lower Upper

75 100

53 0.0 79.5 119.3#

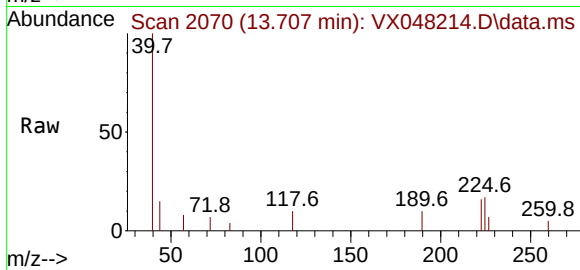
89 0.0 36.8 55.2#





#94
 Hexachlorobutadiene
 Concen: 0.366 ug/l
 RT: 13.707 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VX048214.D
 Acq: 17 Oct 2025 15:52

Instrument :
 MSVOA_X
 ClientSampleId :
 WCS-TP1



Tgt Ion:225 Resp: 287
 Ion Ratio Lower Upper
 225 100
 223 49.5 32.6 97.7
 227 20.6 32.5 97.4#

