

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102825\
 Data File : VX048390.D
 Acq On : 28 Oct 2025 11:52
 Operator : JC/MD
 Sample : Q3460-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

Quant Time: Oct 29 01:17:38 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	113009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	230563	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	242396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119476	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	92344	58.281	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 116.560%	
35) Dibromofluoromethane	5.379	113	63250	40.183	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 80.360%	
50) Toluene-d8	8.635	98	256997	46.581	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.160%	
62) 4-Bromofluorobenzene	11.061	95	111284	53.020	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.040%	

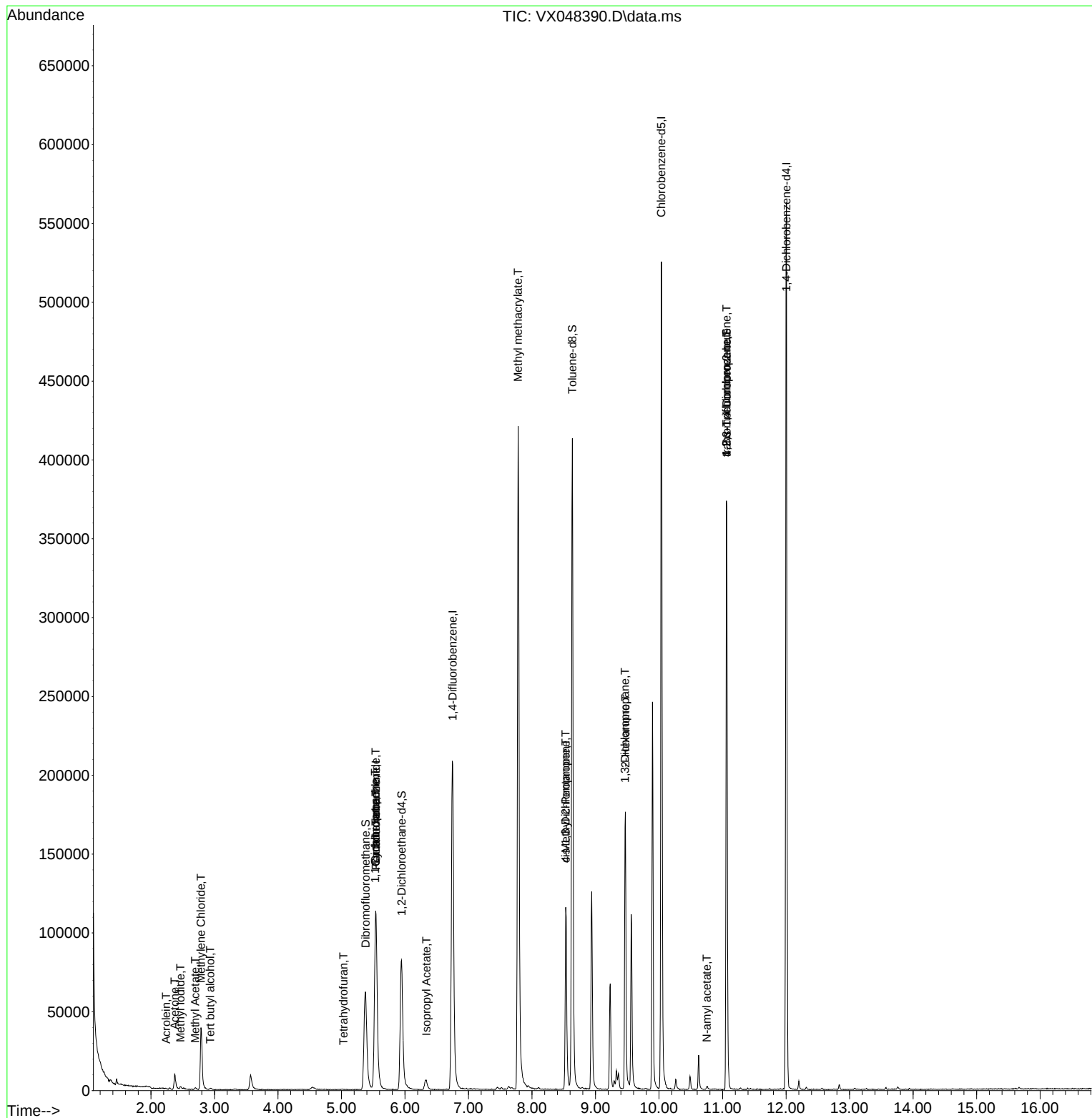
Target Compounds				Qvalue		
10) Methyl Iodide	2.465	142	2242	1.462	ug/l #	94
11) Tert butyl alcohol	2.934	59	110	0.699	ug/l #	72
13) Acrolein	2.239	56	61	0.380	ug/l #	54
16) Acetone	2.373	43	12767	23.488	ug/l	94
18) Methyl Acetate	2.697	43	2289	2.016	ug/l #	74
20) Methylene Chloride	2.788	84	19784	14.937	ug/l	97
29) Tetrahydrofuran	5.032	42	374	0.908	ug/l #	44
31) Cyclohexane	5.538	56	2519	1.281	ug/l #	1
36) 1,1-Dichloropropene	5.531	75	9423	4.212	ug/l #	50
38) Carbon Tetrachloride	5.538	117	12019	4.354	ug/l #	16
43) Isopropyl Acetate	6.336	43	10329	3.391	ug/l	96
48) Methyl methacrylate	7.781	41	42132	27.411	ug/l #	45
51) 4-Methyl-2-Pentanone	8.531	43	43403	24.714	ug/l #	51
54) cis-1,3-Dichloropropene	8.531	75	19268	7.134	ug/l #	63
57) 1,3-Dichloropropane	9.464	76	1612	0.615	ug/l #	43
59) 2-Hexanone	9.470	43	23150	18.904	ug/l #	54
74) N-amyl acetate	10.750	43	1452	0.469	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	58918	30.409	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	58918	73.984	ug/l #	10

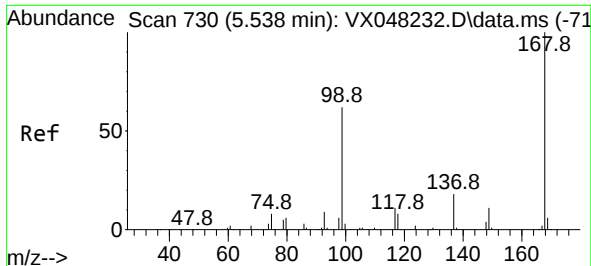
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 29 01:17:38 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

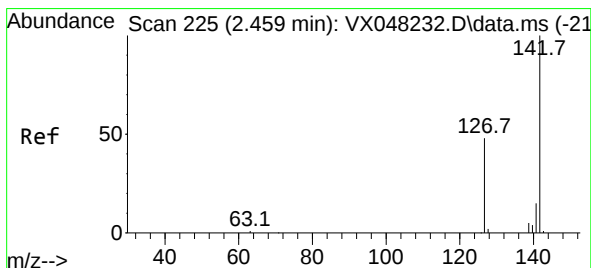
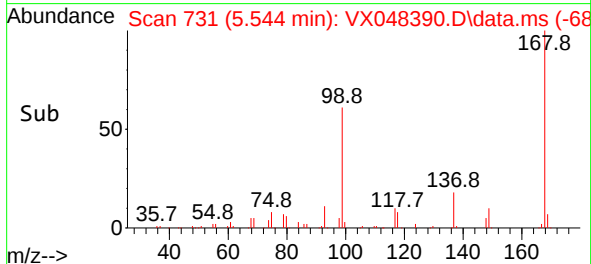
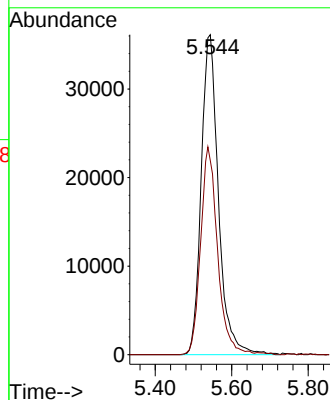
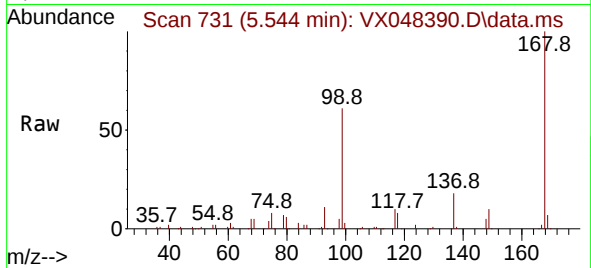




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

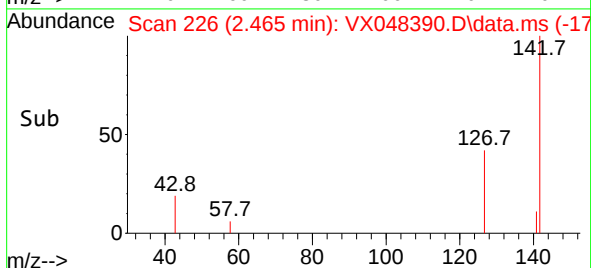
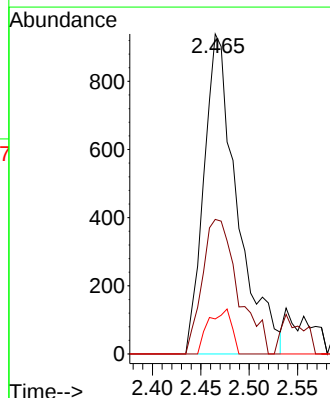
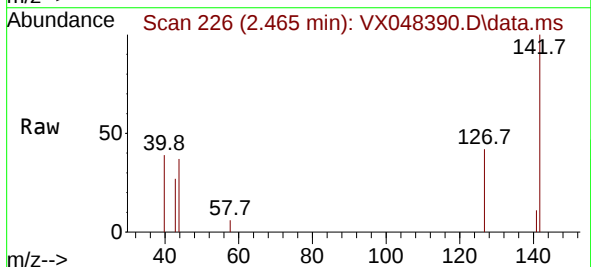
Instrument :
MSVOA_X
ClientSampleId :
WC-3

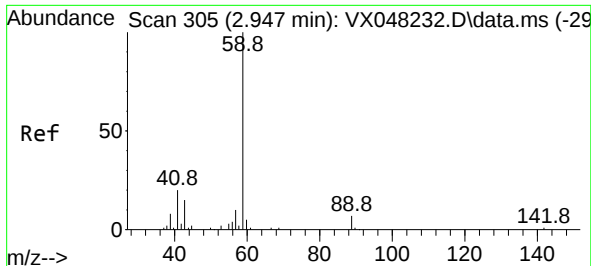
Tgt Ion:168 Resp: 113009
Ion Ratio Lower Upper
168 100
99 60.7 46.4 69.6



#10
Methyl Iodide
Concen: 1.462 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

Tgt Ion:142 Resp: 2242
Ion Ratio Lower Upper
142 100
127 45.4 38.5 57.7
141 9.7 11.6 17.4#

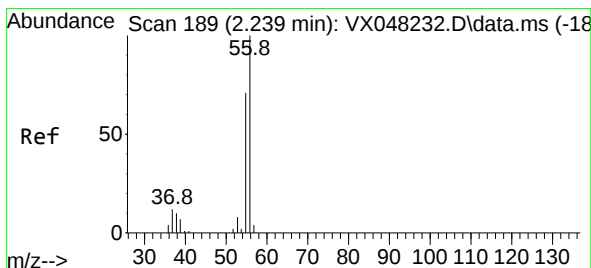
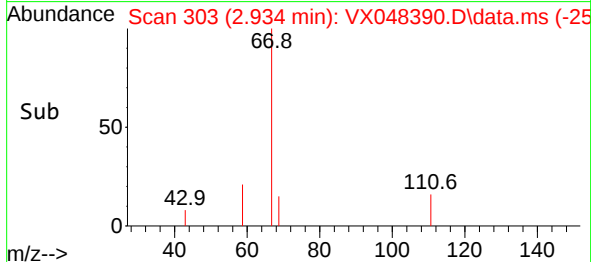
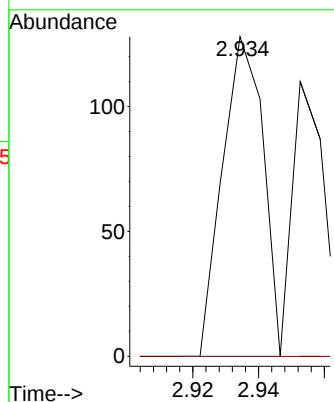
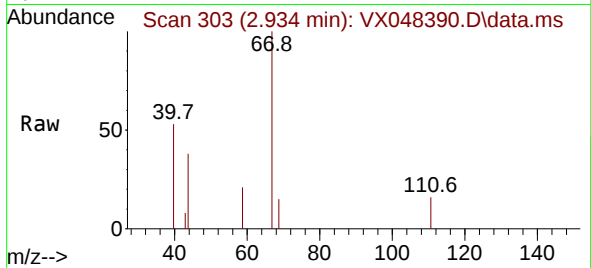




#11
Tert butyl alcohol
Concen: 0.699 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

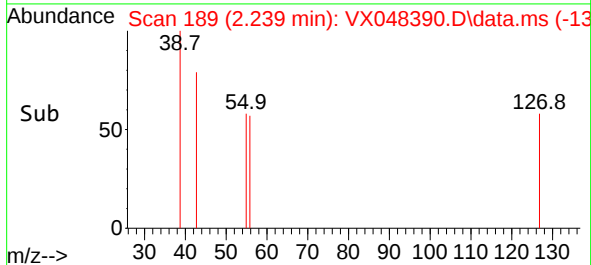
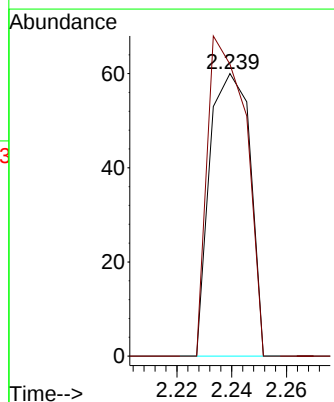
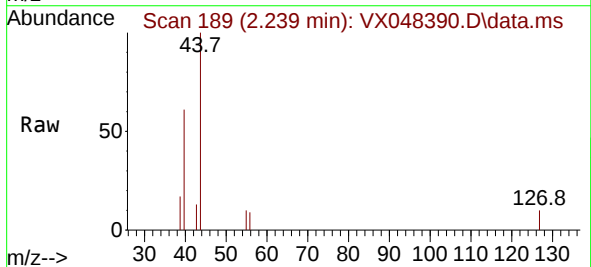
Instrument :
MSVOA_X
ClientSampleId :
WC-3

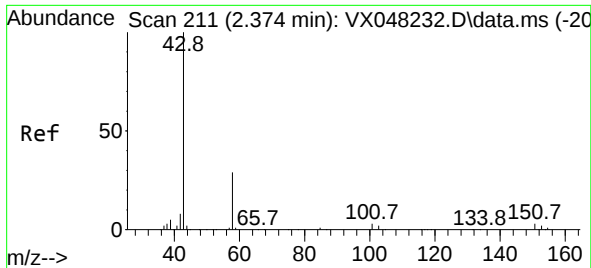
Tgt Ion: 59 Resp: 110
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.380 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 108.2 56.1 84.1#

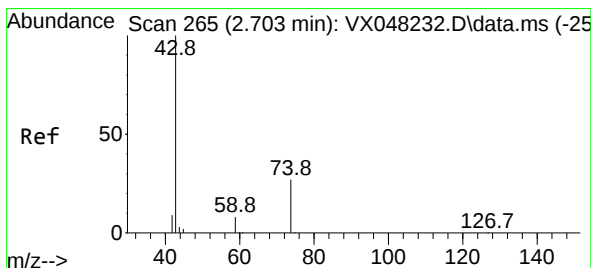
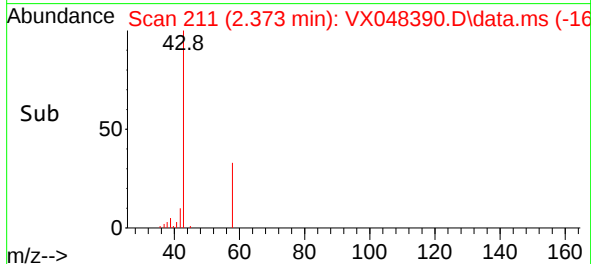
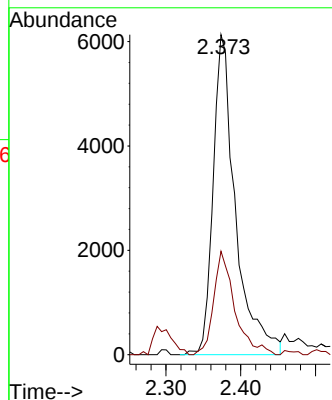
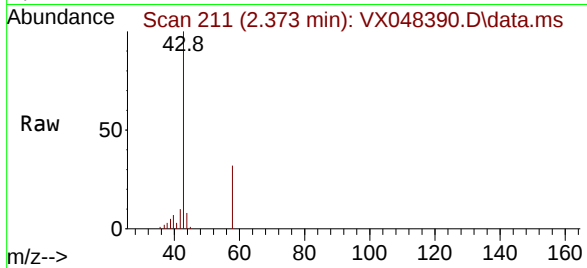




#16
Acetone
Concen: 23.488 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

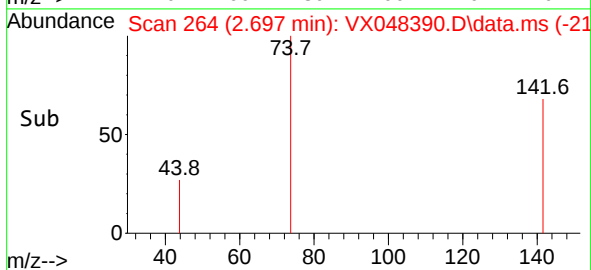
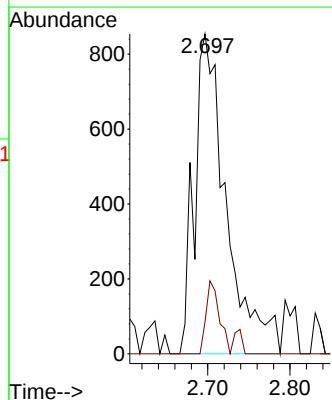
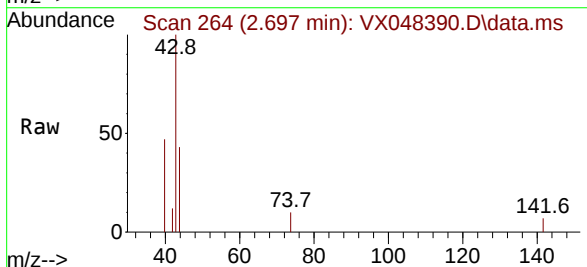
Instrument :
MSVOA_X
ClientSampleId :
WC-3

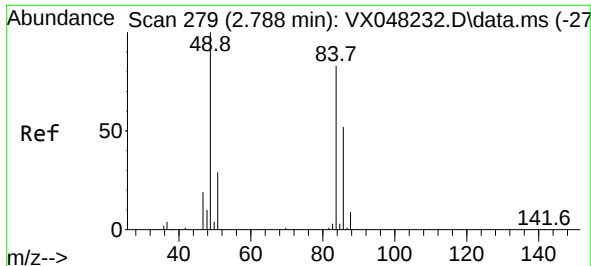
Tgt Ion: 43 Resp: 12767
Ion Ratio Lower Upper
43 100
58 32.3 23.4 35.2



#18
Methyl Acetate
Concen: 2.016 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

Tgt Ion: 43 Resp: 2289
Ion Ratio Lower Upper
43 100
74 9.5 17.5 26.3#

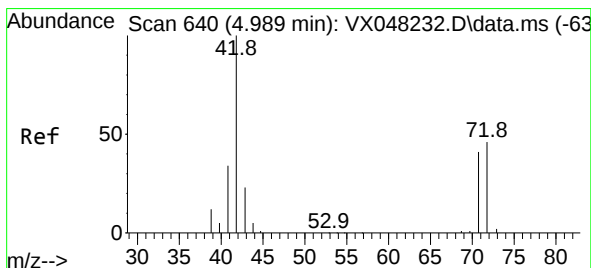
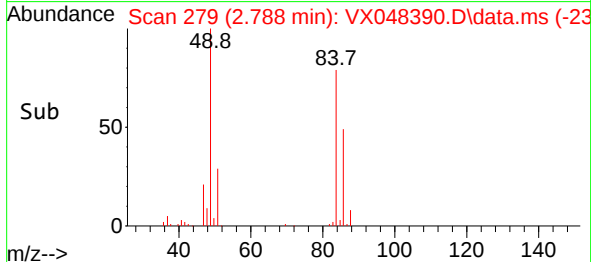
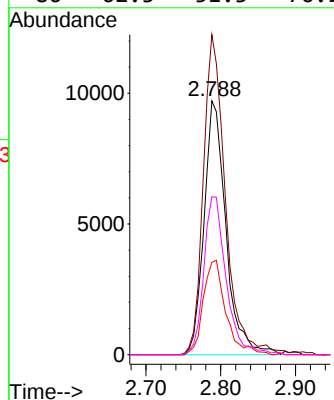
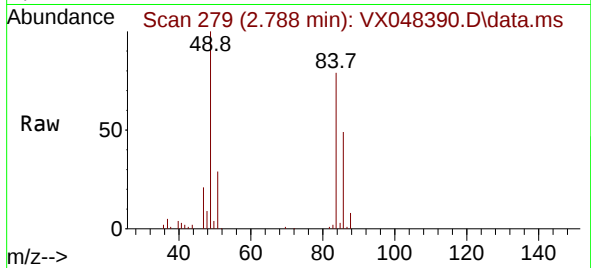




#20
Methylene Chloride
Concen: 14.937 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

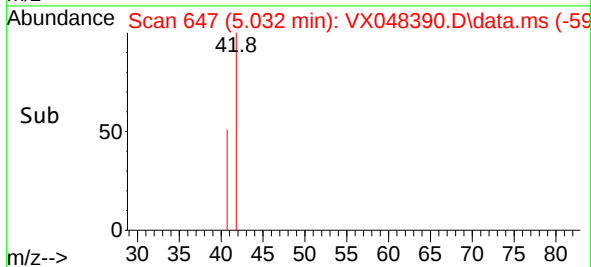
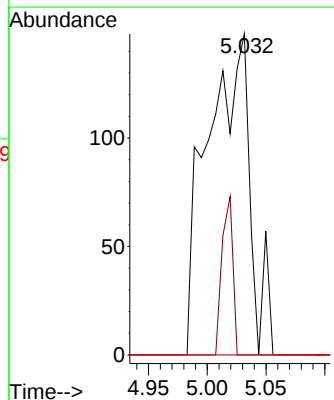
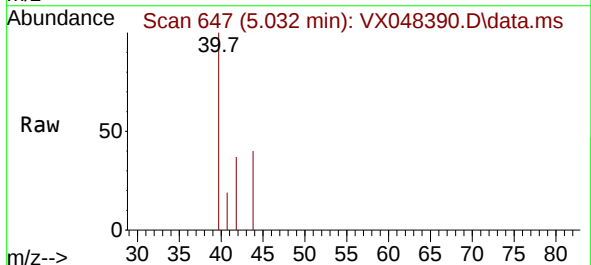
Instrument :
MSVOA_X
ClientSampleId :
WC-3

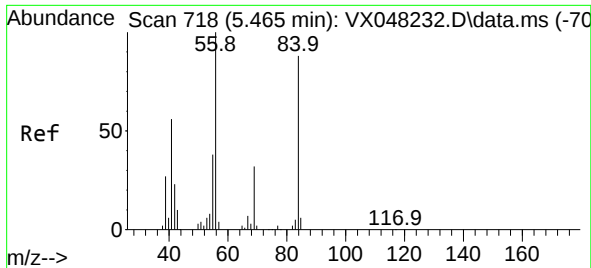
Tgt Ion:	84	Resp:	19784
Ion	Ratio	Lower	Upper
84	100		
49	126.1	104.1	156.1
51	36.4	31.3	46.9
86	62.3	51.3	76.9



#29
Tetrahydrofuran
Concen: 0.908 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.043 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

Tgt Ion:	42	Resp:	374
Ion	Ratio	Lower	Upper
42	100		
72	12.6	35.3	52.9#
71	0.0	32.2	48.4#

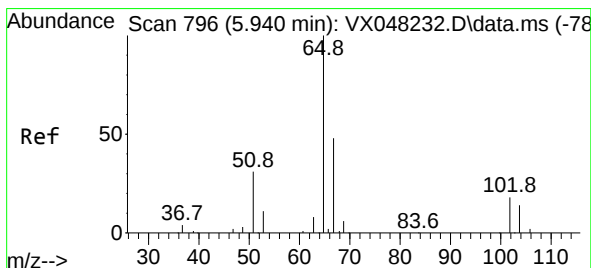
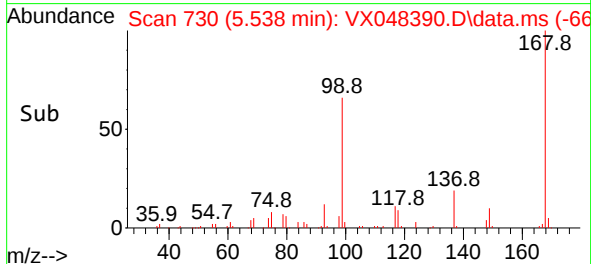
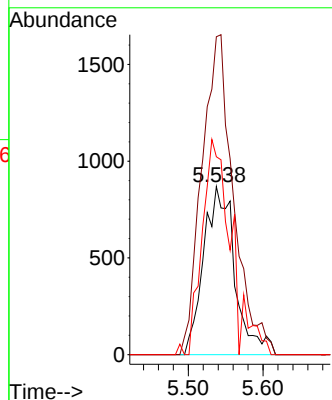
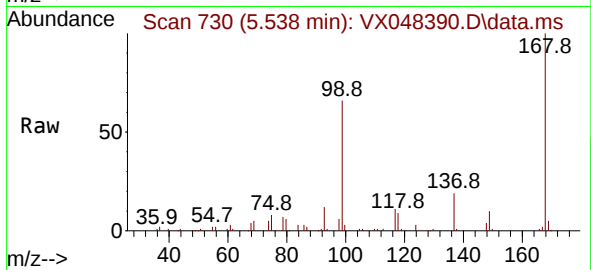




#31
Cyclohexane
Concen: 1.281 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

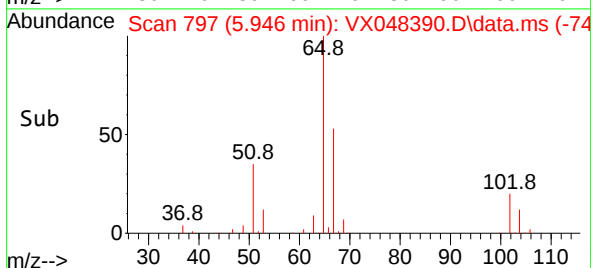
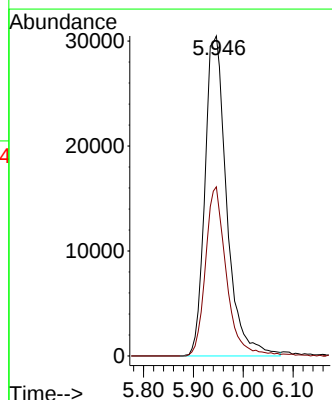
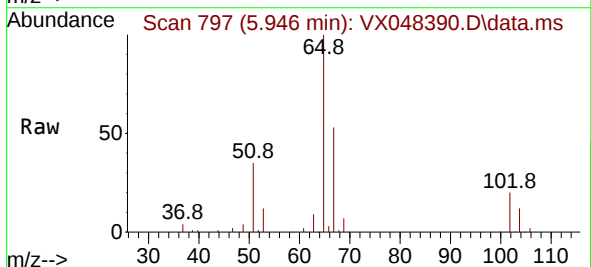
Instrument :
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ClientSampleId :
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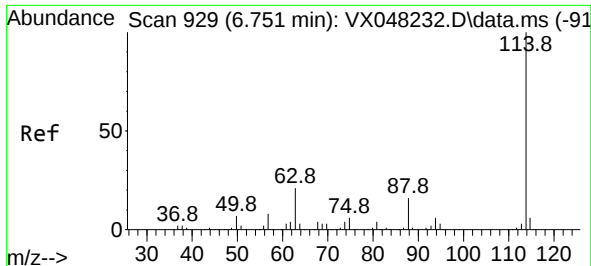
Tgt Ion: 56 Resp: 2519
Ion Ratio Lower Upper
56 100
69 189.1 23.0 34.6#
84 117.7 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 58.281 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

Tgt Ion: 65 Resp: 92344
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.0

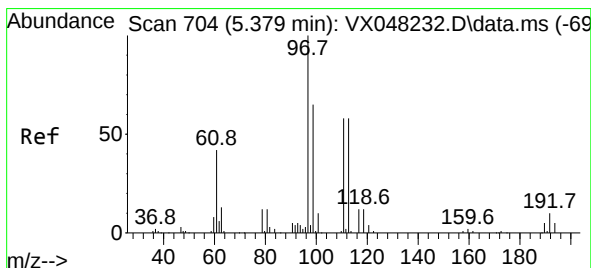
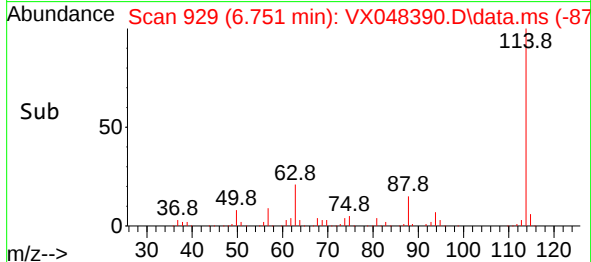
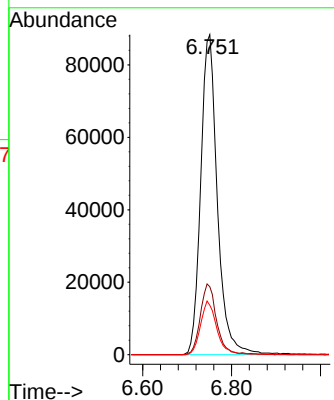
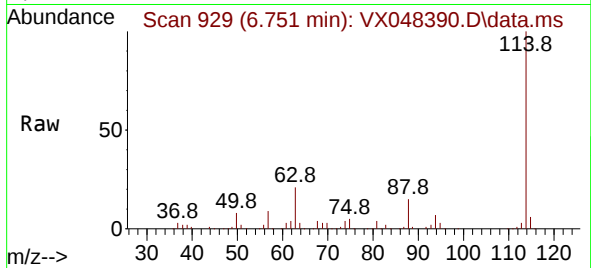




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

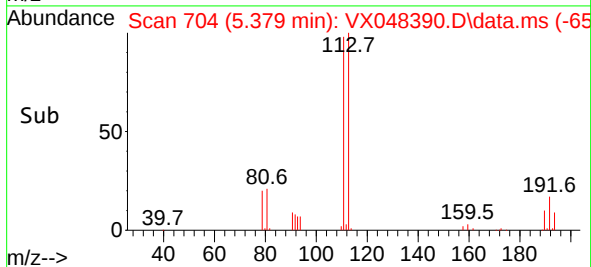
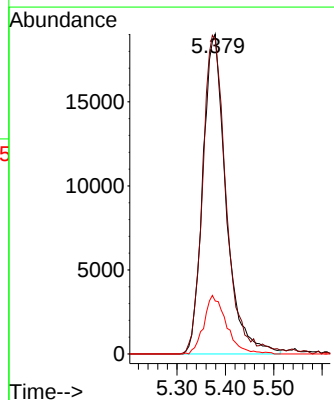
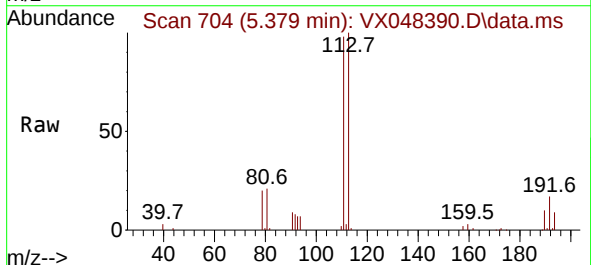
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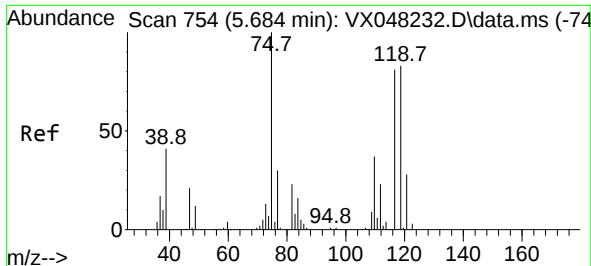
Tgt Ion:114 Resp: 230563
Ion Ratio Lower Upper
114 100
63 21.2 0.0 43.2
88 15.5 0.0 33.6



#35
Dibromofluoromethane
Concen: 40.183 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

Tgt Ion:113 Resp: 63250
Ion Ratio Lower Upper
113 100
111 99.7 82.2 123.4
192 18.0 15.1 22.7

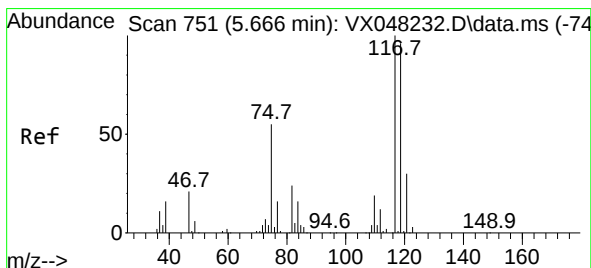
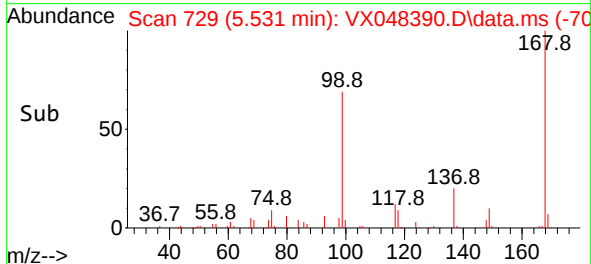
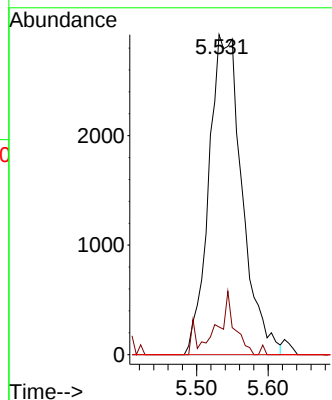
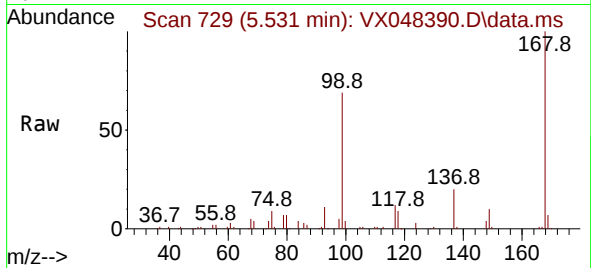




#36
1,1-Dichloropropene
Concen: 4.212 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

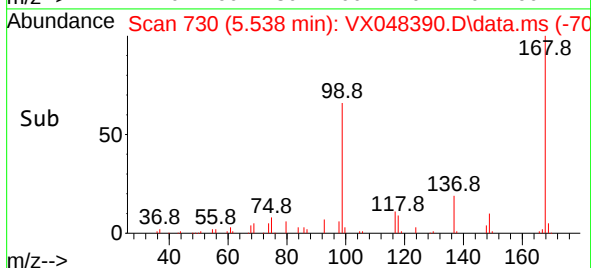
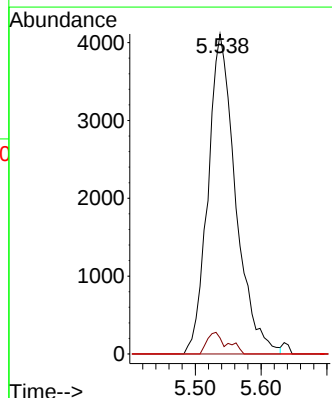
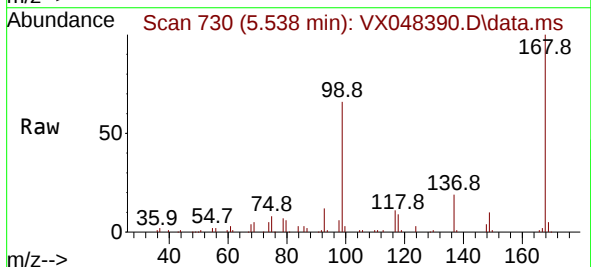
Instrument :
MSVOA_X
ClientSampleId :
WC-3

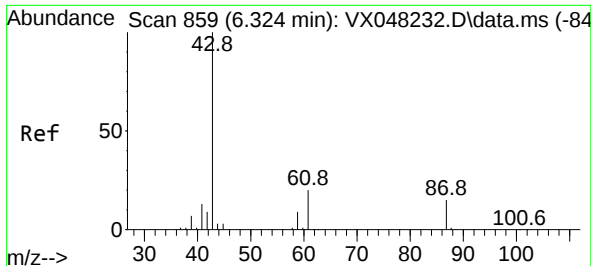
Tgt Ion: 75 Resp: 9423
Ion Ratio Lower Upper
75 100
110 8.9 17.7 53.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.354 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

Tgt Ion: 117 Resp: 12019
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 24.8 37.2#

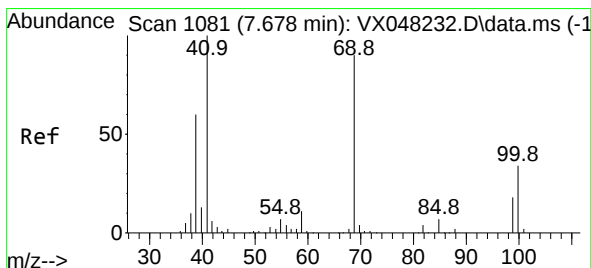
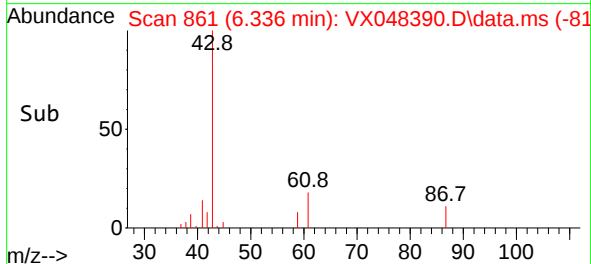
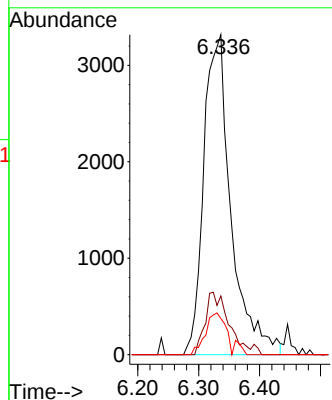
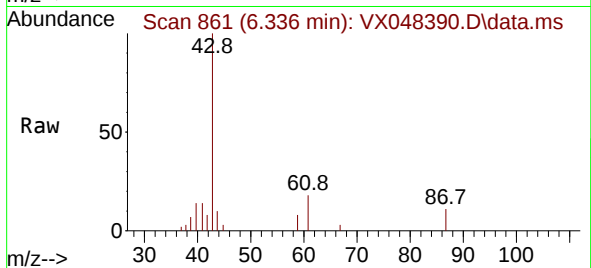




#43
Isopropyl Acetate
Concen: 3.391 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

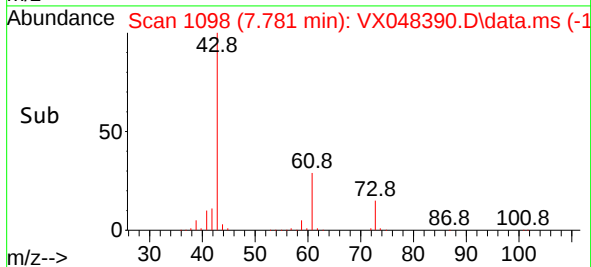
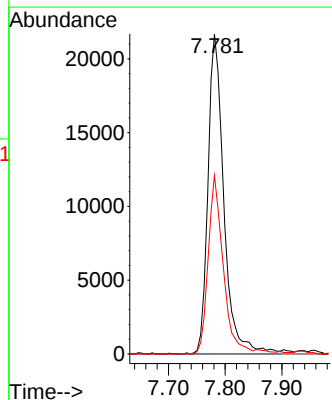
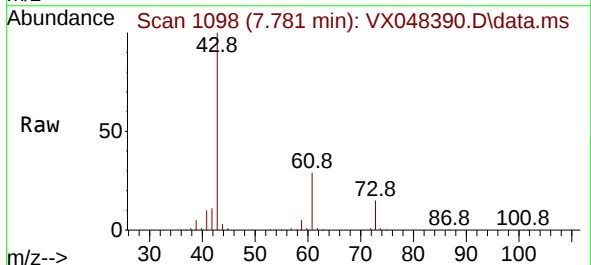
Instrument :
MSVOA_X
ClientSampleId :
WC-3

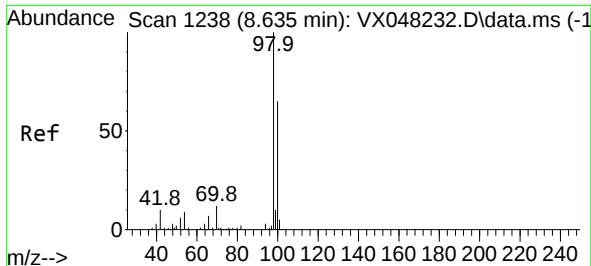
Tgt Ion: 43 Resp: 10329
Ion Ratio Lower Upper
43 100
61 17.4 14.9 22.3
87 9.5 9.4 14.2



#48
Methyl methacrylate
Concen: 27.411 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

Tgt Ion: 41 Resp: 42132
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 52.5 47.1 70.7

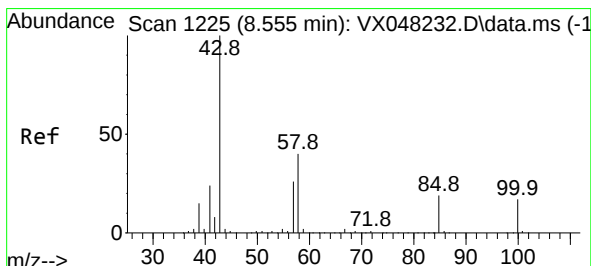
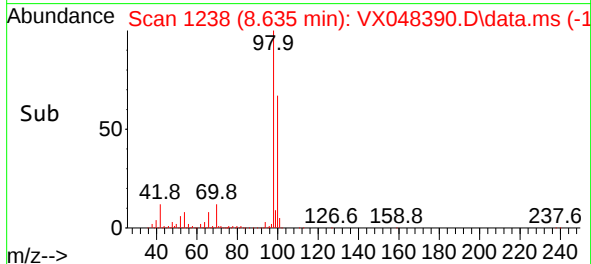
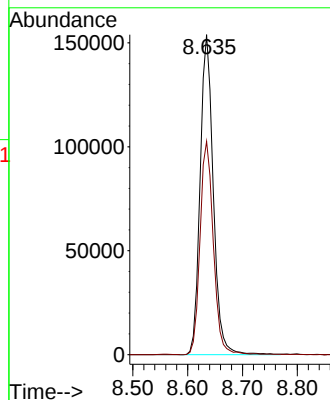
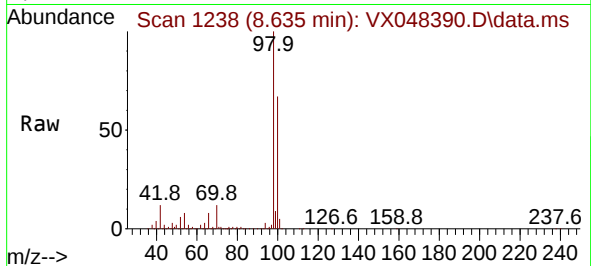




#50
Toluene-d8
Concen: 46.581 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

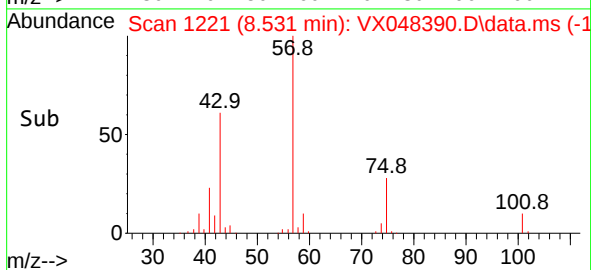
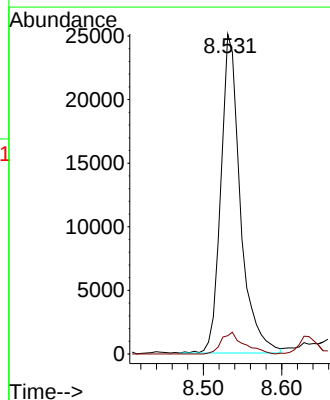
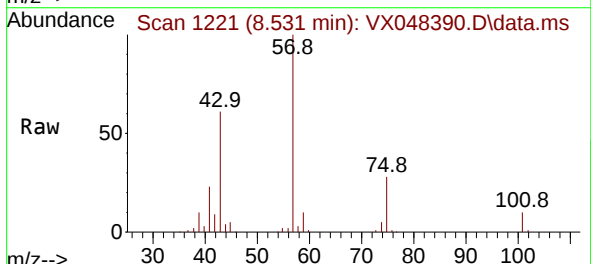
Instrument :
MSVOA_X
ClientSampleId :
WC-3

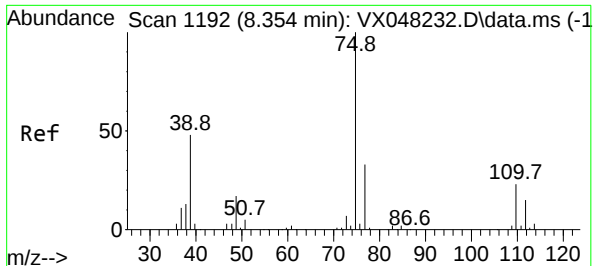
Tgt Ion: 98 Resp: 256997
Ion Ratio Lower Upper
98 100
100 67.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 24.714 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. -0.024 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

Tgt Ion: 43 Resp: 43403
Ion Ratio Lower Upper
43 100
58 7.9 29.5 44.3#

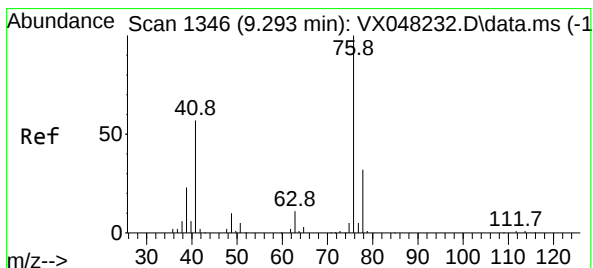
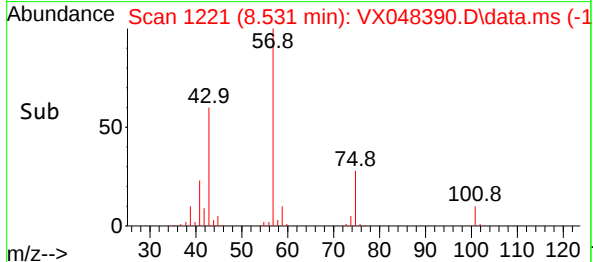
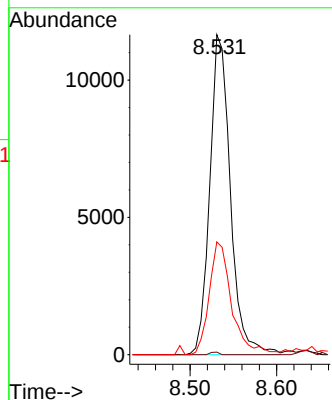
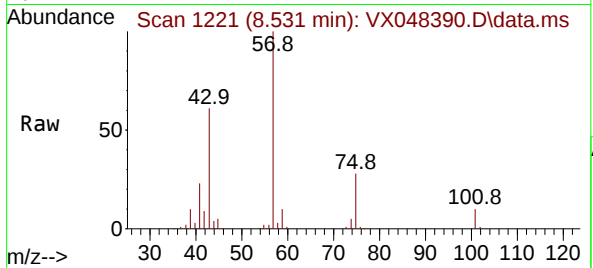




#54
 cis-1,3-Dichloropropene
 Concen: 7.134 ug/l
 RT: 8.531 min Scan# 1192
 Delta R.T. 0.183 min
 Lab File: VX048390.D
 Acq: 28 Oct 2025 11:52

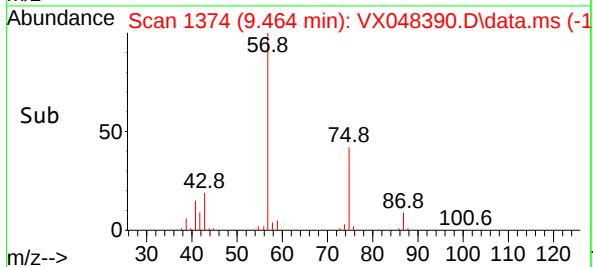
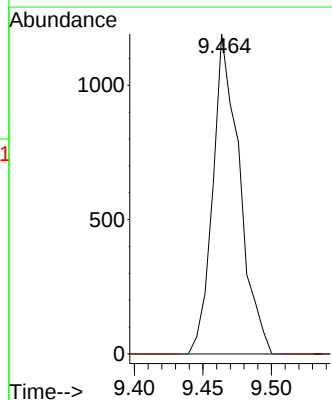
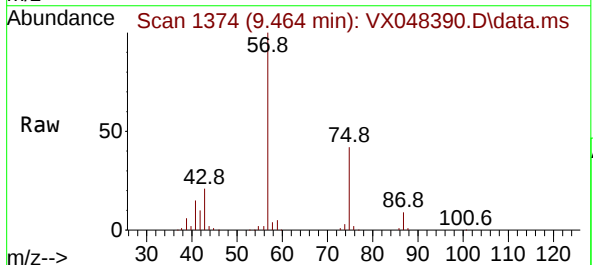
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

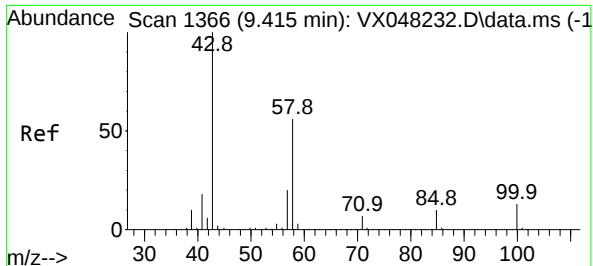
Tgt Ion: 75 Resp: 19268
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.9 37.3#
 39 34.4 42.6 64.0#



#57
 1,3-Dichloropropane
 Concen: 0.615 ug/l
 RT: 9.464 min Scan# 1374
 Delta R.T. 0.171 min
 Lab File: VX048390.D
 Acq: 28 Oct 2025 11:52

Tgt Ion: 76 Resp: 1612
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.0#

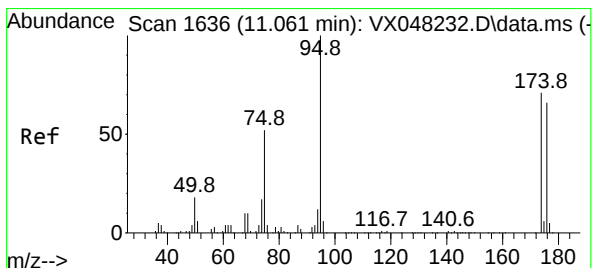
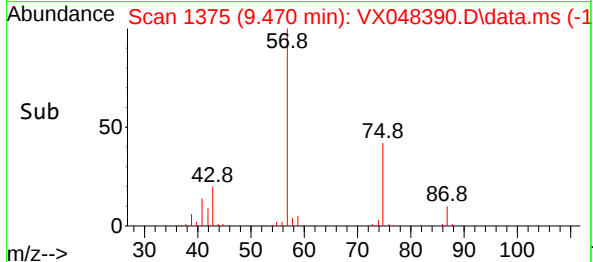
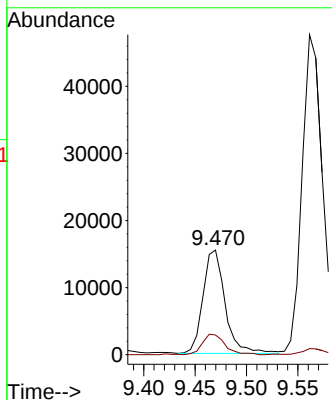
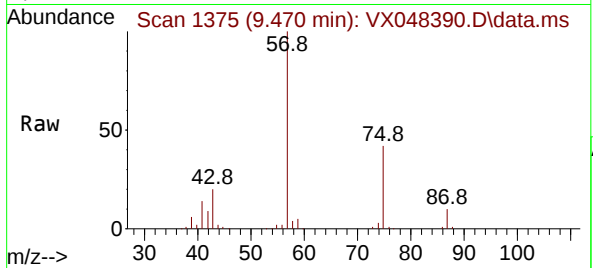




#59
2-Hexanone
Concen: 18.904 ug/l
RT: 9.470 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

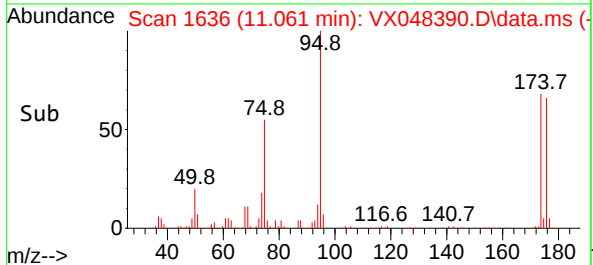
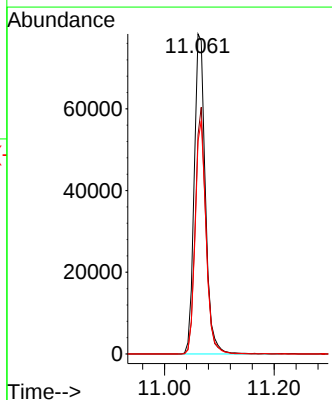
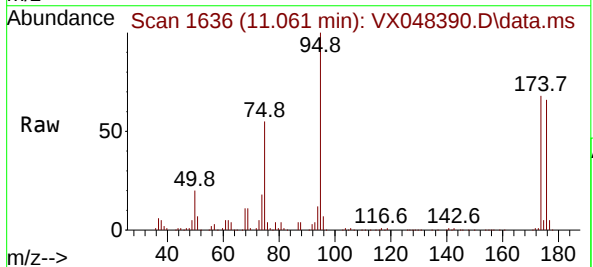
Instrument :
MSVOA_X
ClientSampleId :
WC-3

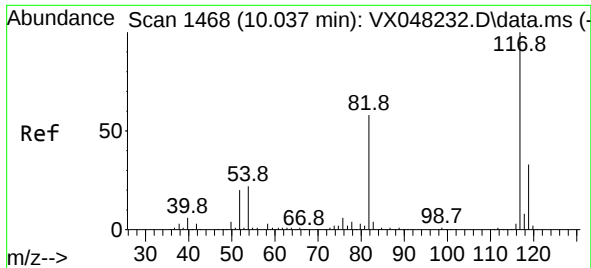
Tgt Ion: 43 Resp: 23150
Ion Ratio Lower Upper
43 100
58 20.2 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 53.020 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

Tgt Ion: 95 Resp: 111284
Ion Ratio Lower Upper
95 100
174 73.3 0.0 147.8
176 71.1 0.0 142.8

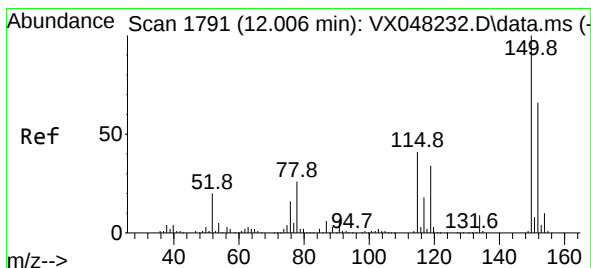
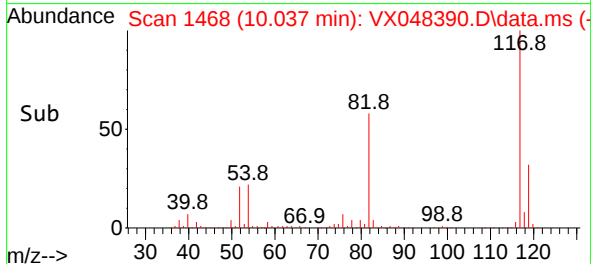
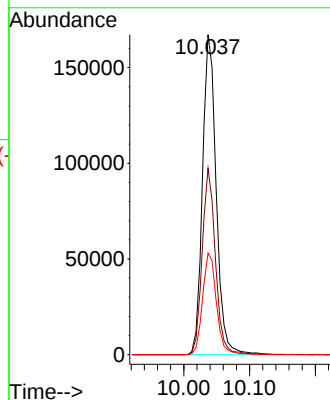
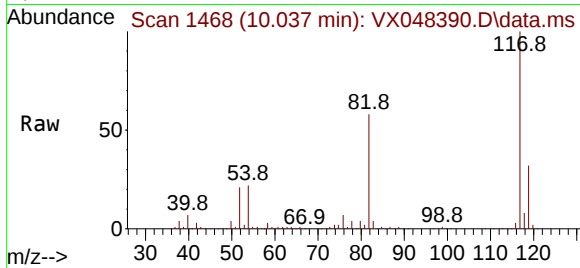




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

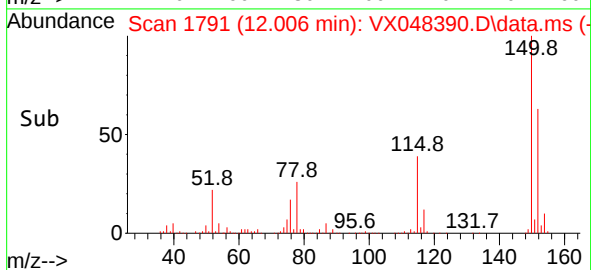
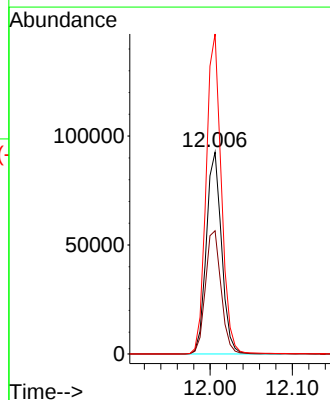
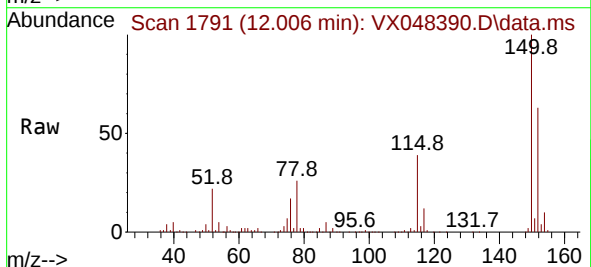
Instrument :
MSVOA_X
ClientSampleId :
WC-3

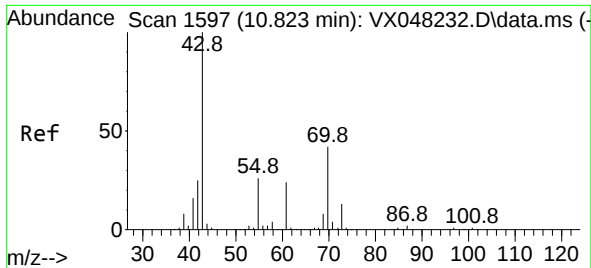
Tgt Ion:117 Resp: 242396
Ion Ratio Lower Upper
117 100
82 58.2 46.5 69.7
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

Tgt Ion:152 Resp: 119476
Ion Ratio Lower Upper
152 100
115 62.8 43.1 129.4
150 158.3 0.0 353.0

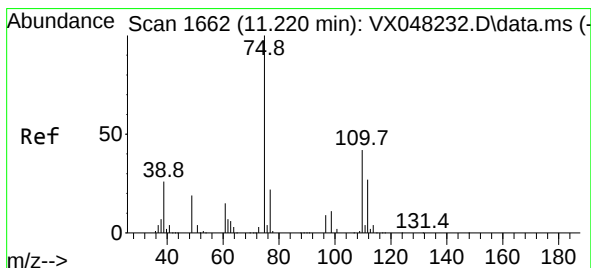
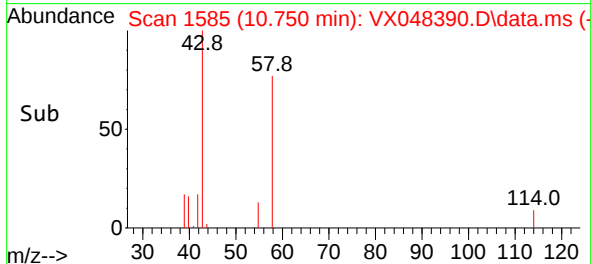
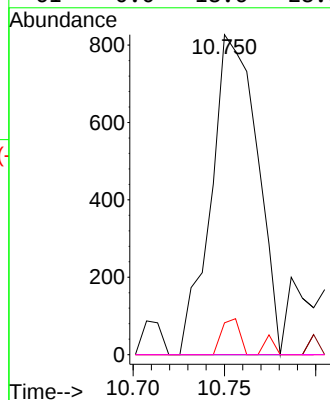
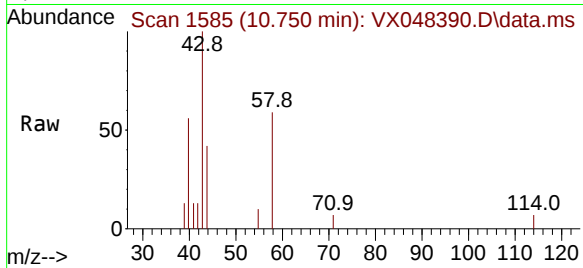




#74
N-amy1 acetate
Concen: 0.469 ug/l
RT: 10.750 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

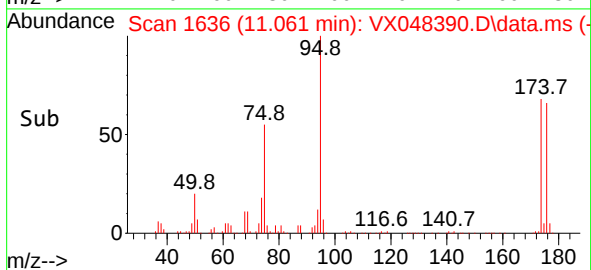
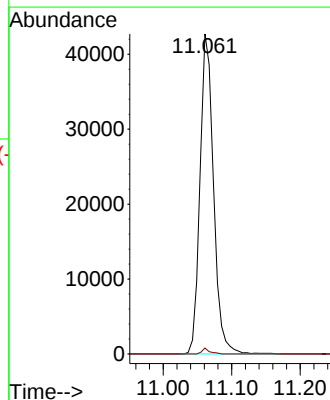
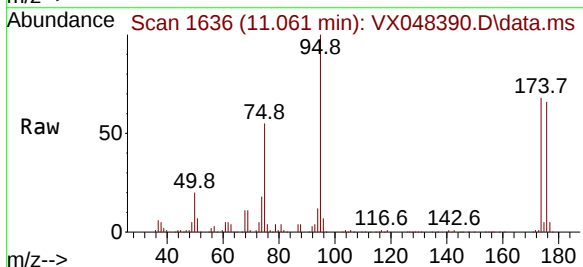
Instrument :
MSVOA_X
ClientSampleId :
WC-3

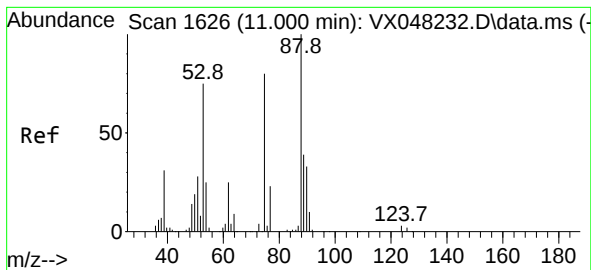
Tgt Ion: 43 Resp: 1452
Ion Ratio Lower Upper
43 100
70 0.0 32.2 48.2#
55 4.4 19.1 28.7#
61 0.0 18.6 28.0#



#76
1,2,3-Trichloropropane
Concen: 30.409 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048390.D
Acq: 28 Oct 2025 11:52

Tgt Ion: 75 Resp: 58918
Ion Ratio Lower Upper
75 100
77 1.0 22.4 67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.984 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048390.D
 Acq: 28 Oct 2025 11:52

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

Tgt Ion: 75 Resp: 58918
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 36.8 55.2#

