

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121525\
 Data File : VX048873.D
 Acq On : 15 Dec 2025 12:31
 Operator : JC/MD
 Sample : Q3848-03DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-57.5-121125-FDDL

Quant Time: Dec 16 00:15:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

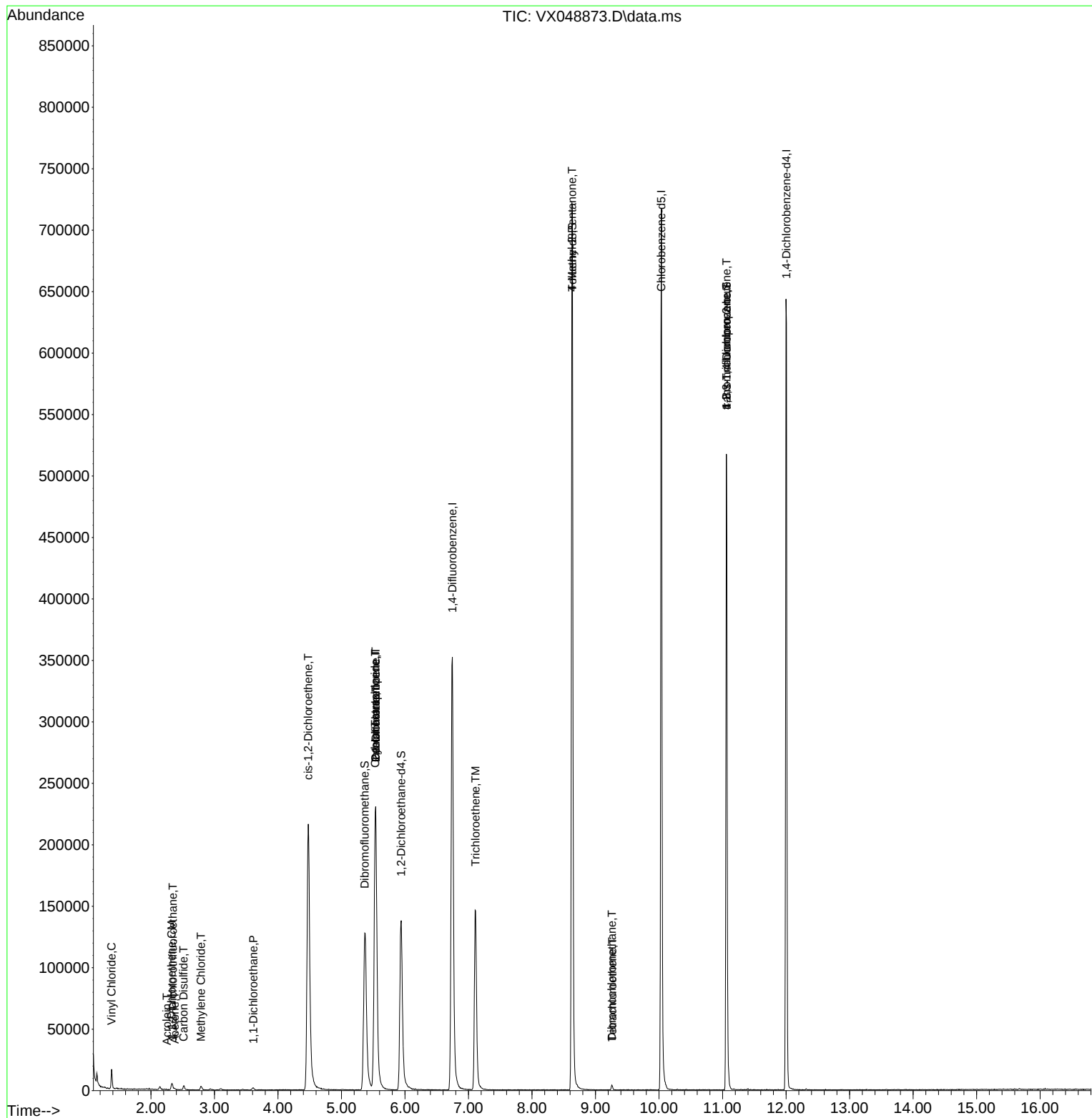
Internal Standards						
1) Pentafluorobenzene	5.538	168	239031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	394109	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	342760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	153304	47.785	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.560%
35) Dibromofluoromethane	5.367	113	128869	47.490	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.980%
50) Toluene-d8	8.635	98	466863	49.082	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.160%
62) 4-Bromofluorobenzene	11.061	95	144396	44.023	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.040%
Target Compounds						Qvalue
4) Vinyl Chloride	1.380	62	11073	3.383	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	1379	0.507	ug/l	95
12) 1,1-Dichloroethene	2.325	96	1271	0.458	ug/l #	81
13) Acrolein	2.252	56	73	40.300	ug/l #	15
16) Acetone	2.374	43	1323	1.077	ug/l	97
17) Carbon Disulfide	2.514	76	4627	0.574	ug/l	98
20) Methylene Chloride	2.788	84	1461	0.476	ug/l	90
24) 1,1-Dichloroethane	3.611	63	2316	0.477	ug/l #	88
27) cis-1,2-Dichloroethene	4.477	96	154385	48.295	ug/l	95
31) Cyclohexane	5.538	56	4846	1.118	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	18826	5.065	ug/l #	48
38) Carbon Tetrachloride	5.532	117	24601	5.844	ug/l #	16
44) Trichloroethene	7.111	130	64898	22.574	ug/l	96
51) 4-Methyl-2-Pentanone	8.629	43	2146	0.514	ug/l #	1
60) Dibromochloromethane	9.257	129	833	0.252	ug/l #	11
64) Tetrachloroethene	9.263	164	835	0.334	ug/l #	78
76) 1,2,3-Trichloropropane	11.061	75	72584	27.284	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	72584	64.810	ug/l #	3
95) Naphthalene	13.768	128	275	Below Cal	#	69

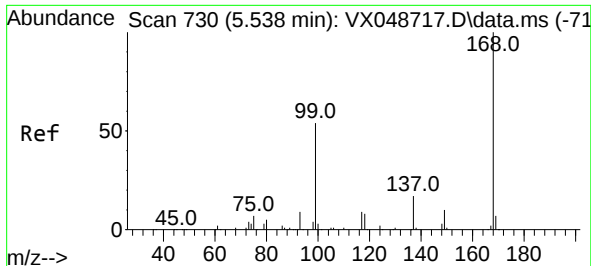
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

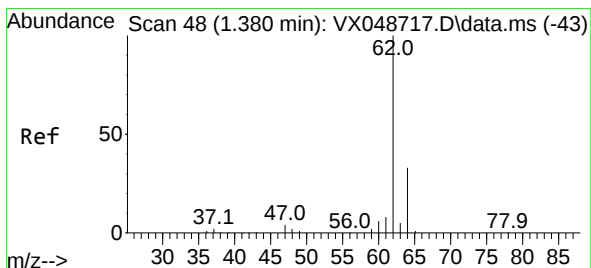
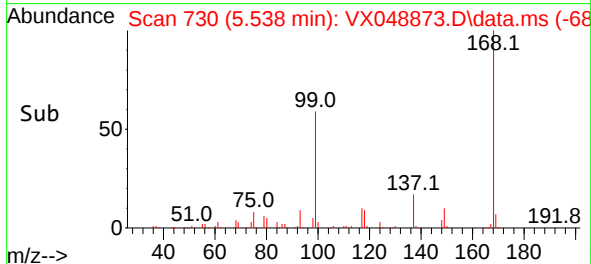
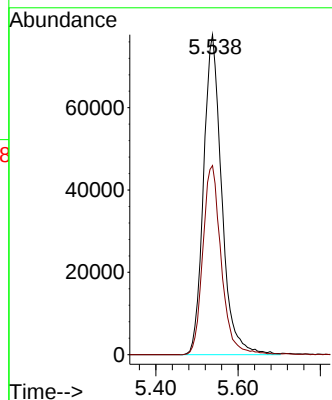
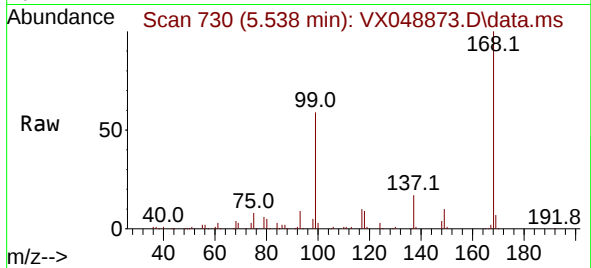




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

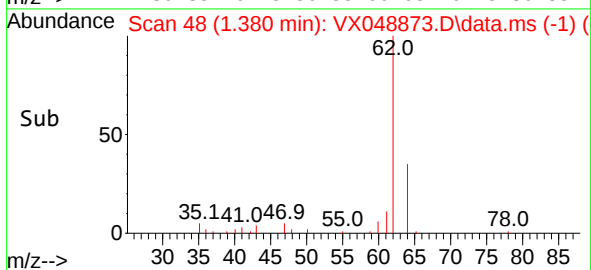
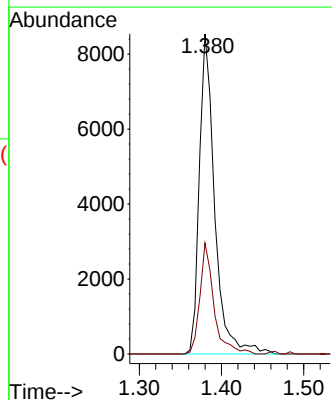
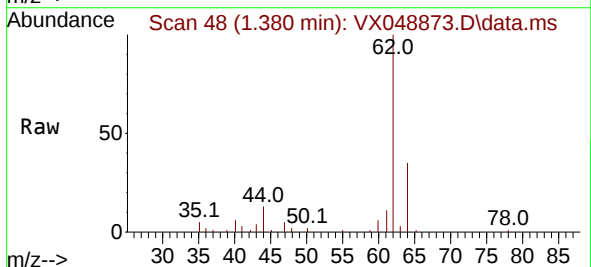
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FDDL

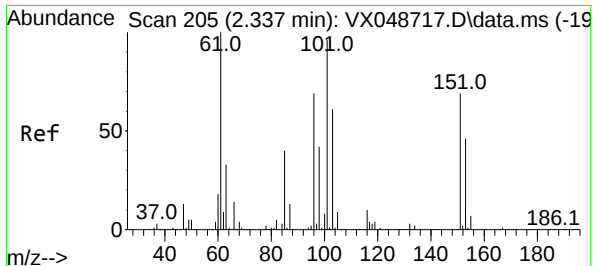
Tgt Ion:168 Resp: 239031
Ion Ratio Lower Upper
168 100
99 59.1 44.2 66.4



#4
Vinyl Chloride
Concen: 3.383 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

Tgt Ion: 62 Resp: 11073
Ion Ratio Lower Upper
62 100
64 34.6 26.0 39.0

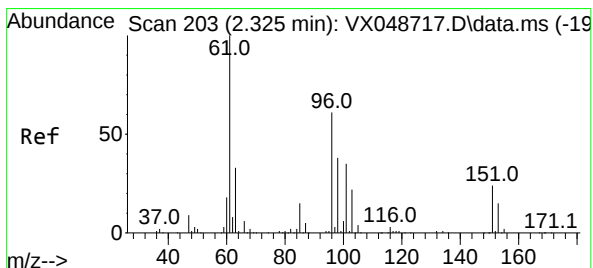
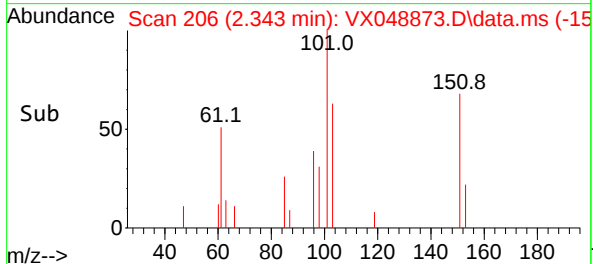
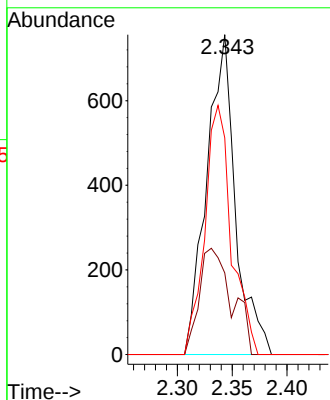
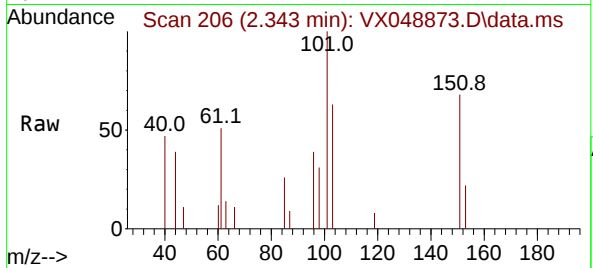




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.507 ug/l
 RT: 2.343 min Scan# 206
 Delta R.T. 0.006 min
 Lab File: VX048873.D
 Acq: 15 Dec 2025 12:31

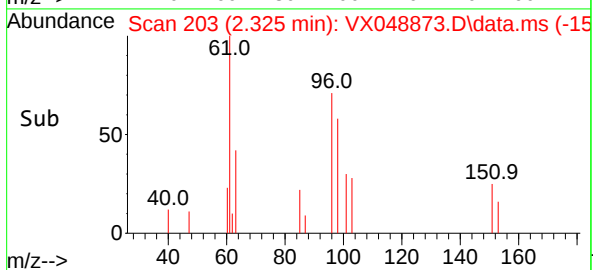
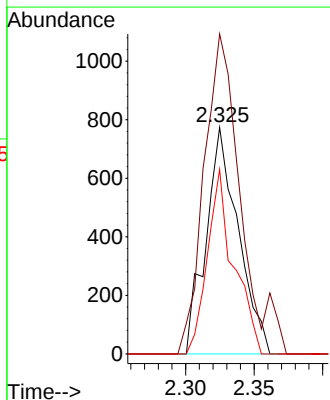
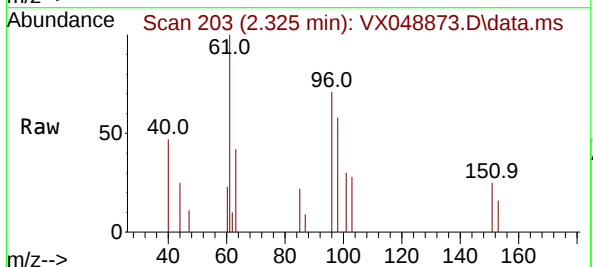
Instrument :
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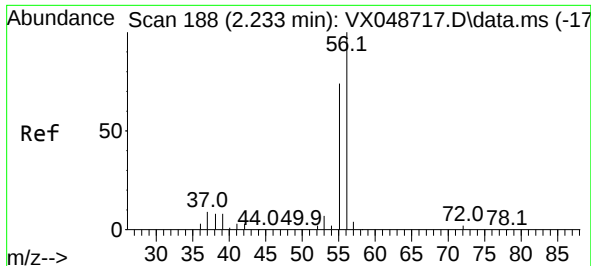
Tgt Ion:101 Resp: 1379
 Ion Ratio Lower Upper
 101 100
 85 37.6 34.2 51.2
 151 72.3 60.2 90.4



#12
 1,1-Dichloroethene
 Concen: 0.458 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. 0.000 min
 Lab File: VX048873.D
 Acq: 15 Dec 2025 12:31

Tgt Ion: 96 Resp: 1271
 Ion Ratio Lower Upper
 96 100
 61 141.2 130.7 196.1
 98 81.4 49.8 74.8#

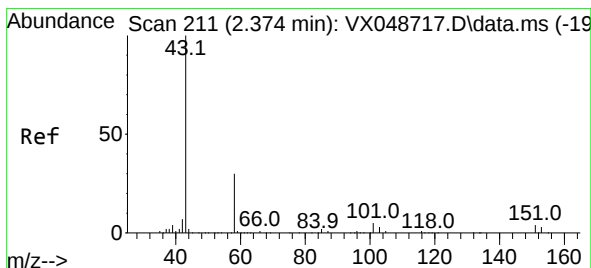
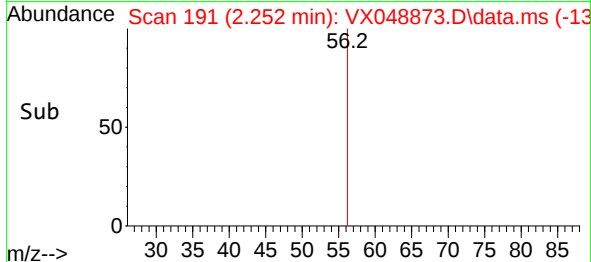
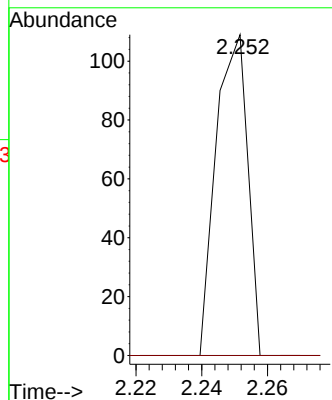
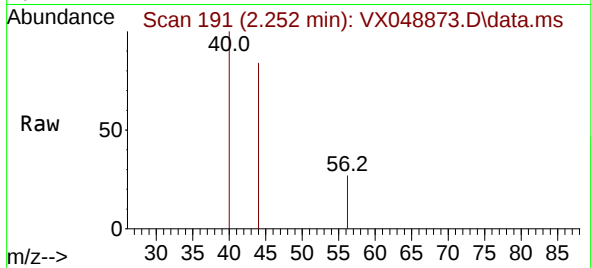




#13
Acrolein
Concen: 40.300 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.018 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

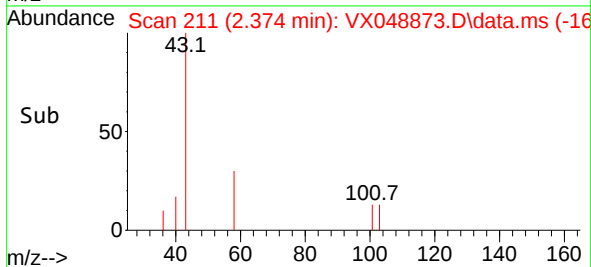
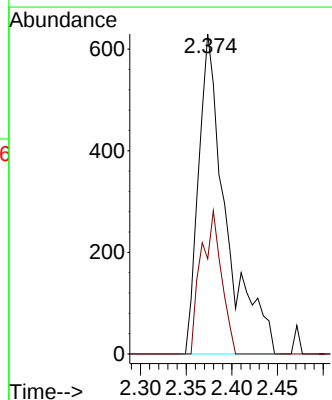
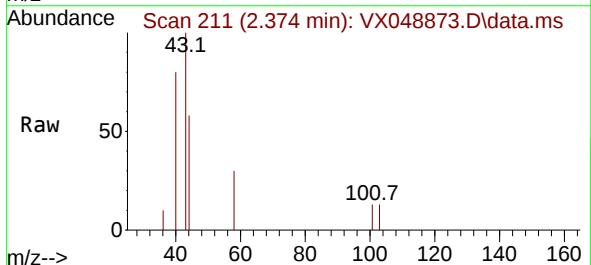
Instrument :
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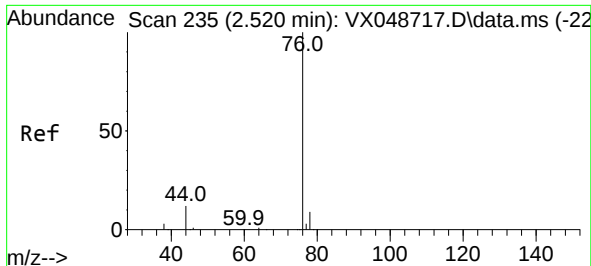
Tgt Ion: 56 Resp: 73
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#



#16
Acetone
Concen: 1.077 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

Tgt Ion: 43 Resp: 1323
Ion Ratio Lower Upper
43 100
58 29.7 25.0 37.4

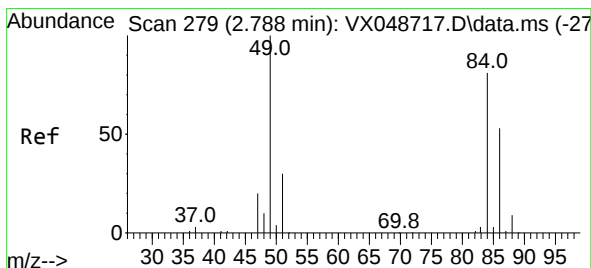
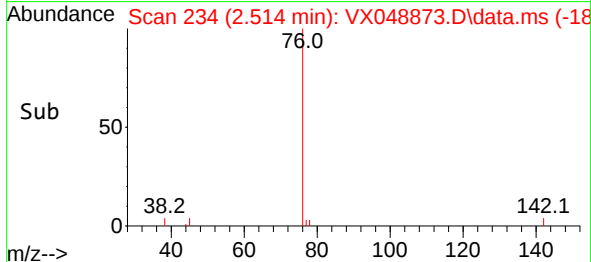
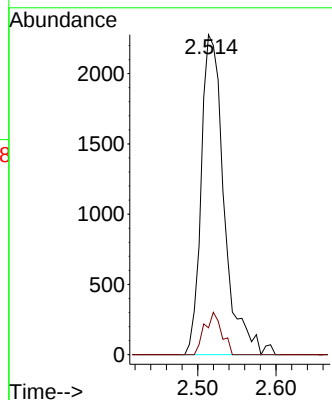
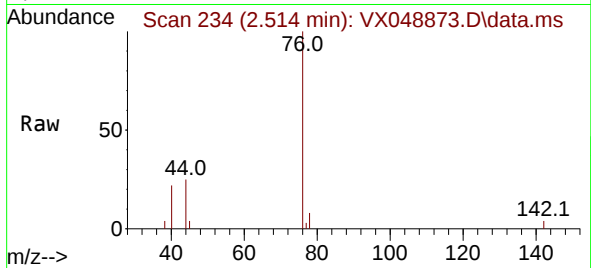




#17
Carbon Disulfide
Concen: 0.574 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

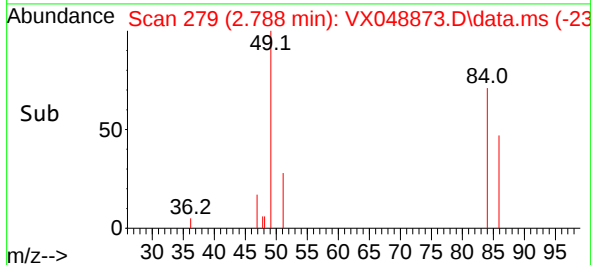
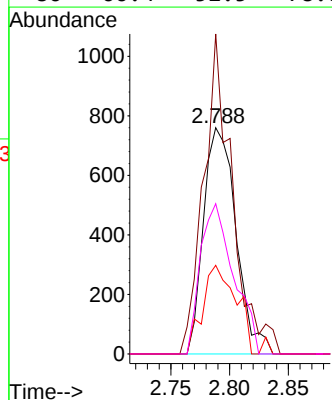
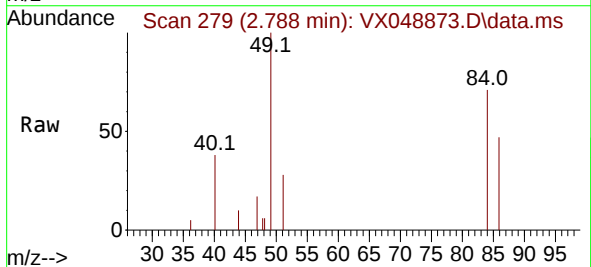
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FDDL

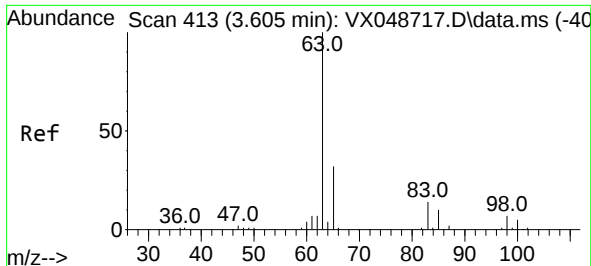
Tgt Ion: 76 Resp: 4627
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#20
Methylene Chloride
Concen: 0.476 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

Tgt Ion: 84 Resp: 1461
Ion Ratio Lower Upper
84 100
49 141.4 98.7 148.1
51 39.2 29.4 44.2
86 66.4 52.5 78.7

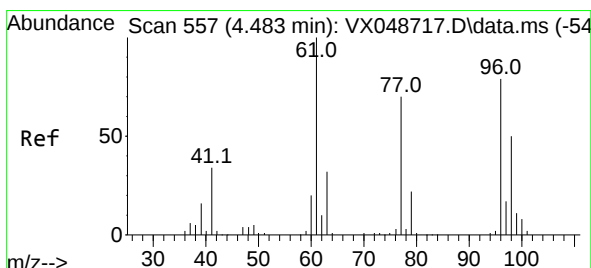
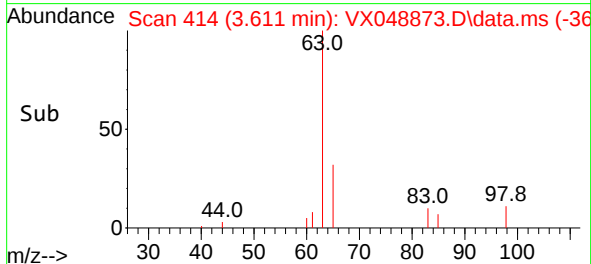
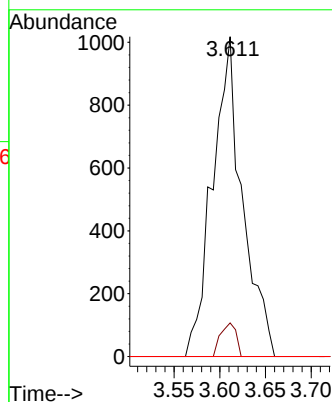
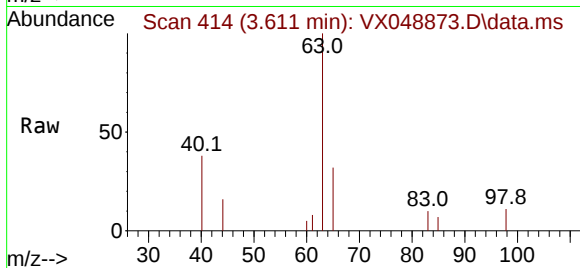




#24
1,1-Dichloroethane
Concen: 0.477 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

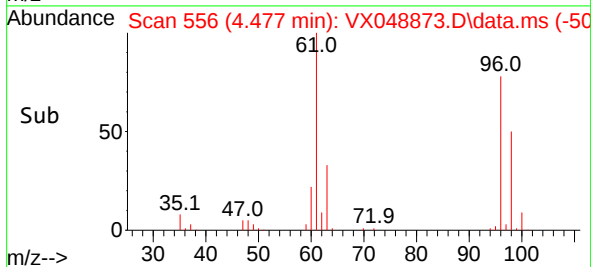
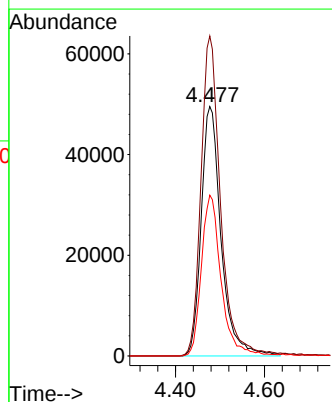
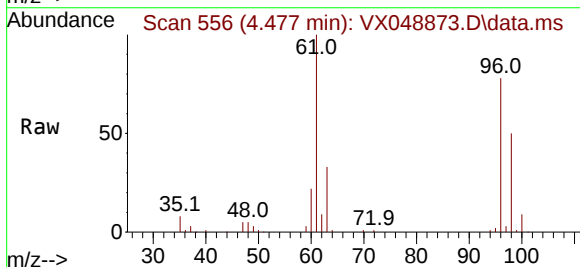
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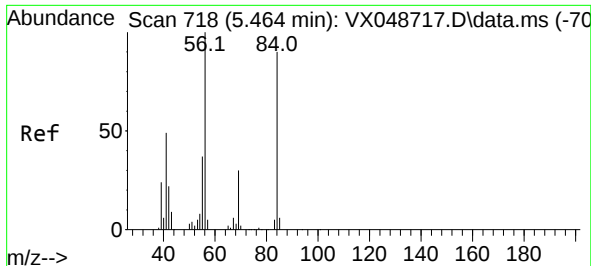
Tgt Ion: 63 Resp: 2316
Ion Ratio Lower Upper
63 100
98 10.5 3.5 10.6
100 0.0 2.5 7.4#



#27
cis-1,2-Dichloroethene
Concen: 48.295 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

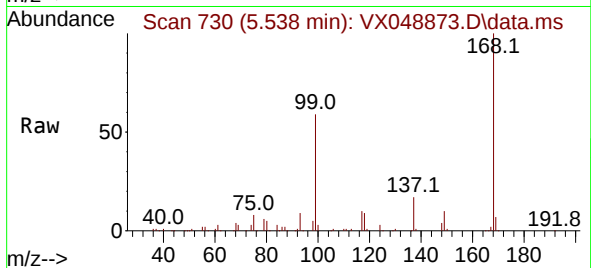
Tgt Ion: 96 Resp: 154385
Ion Ratio Lower Upper
96 100
61 126.7 0.0 271.0
98 63.9 0.0 130.2



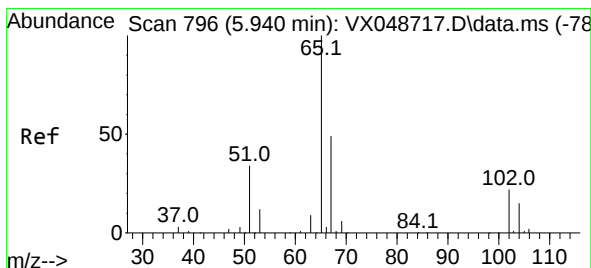
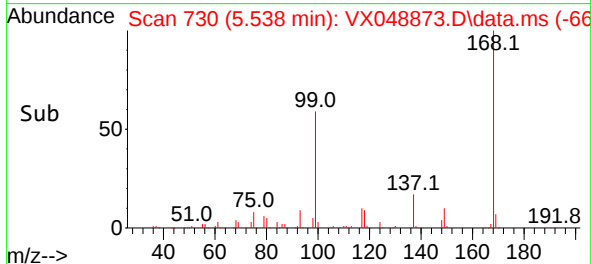
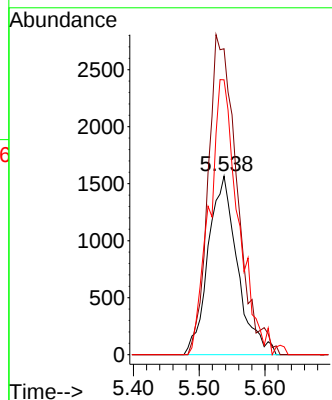


#31
Cyclohexane
Concen: 1.118 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX048873.D
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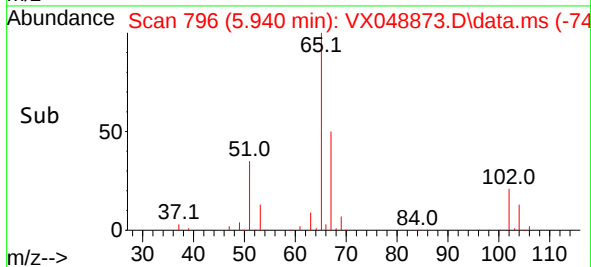
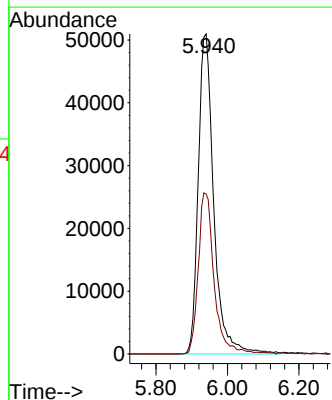
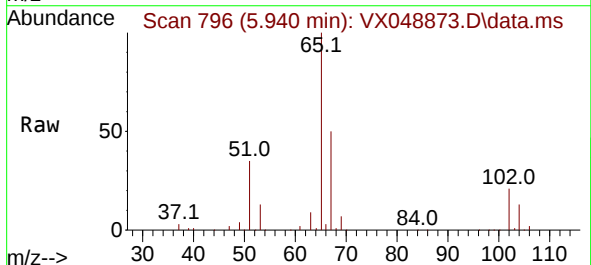


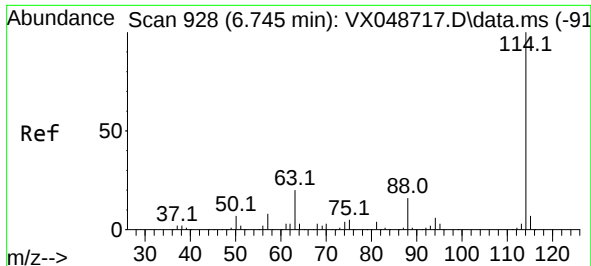
Tgt Ion: 56 Resp: 4846
Ion Ratio Lower Upper
56 100
69 171.3 24.2 36.2#
84 153.9 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 47.785 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

Tgt Ion: 65 Resp: 153304
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.4

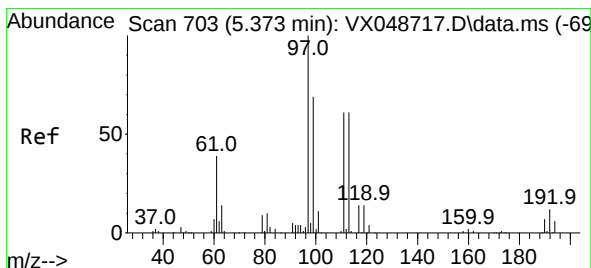
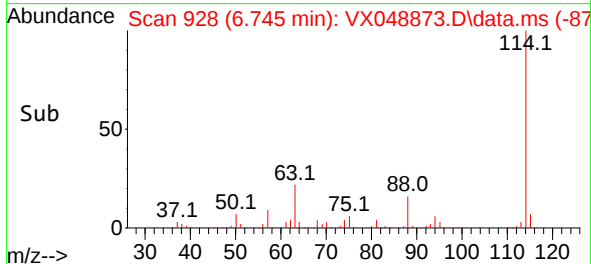
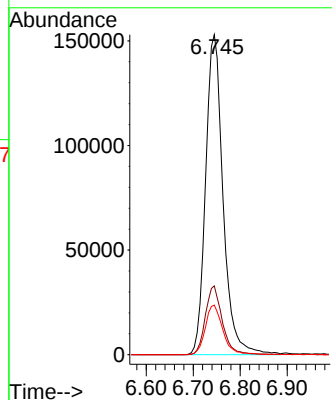
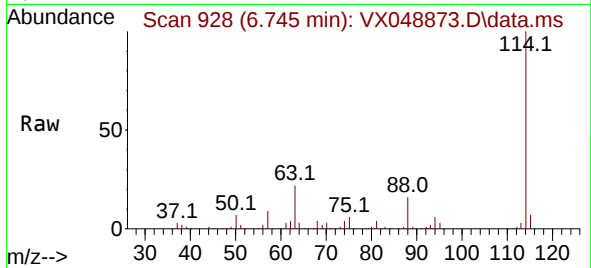




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

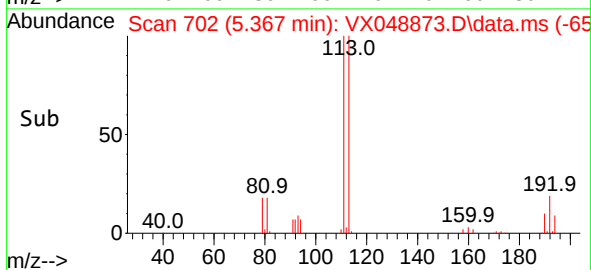
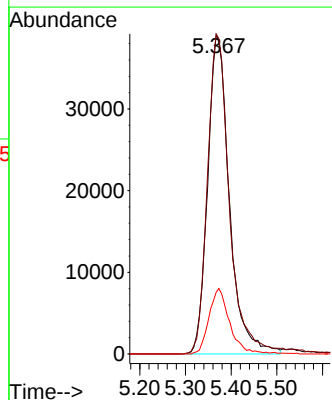
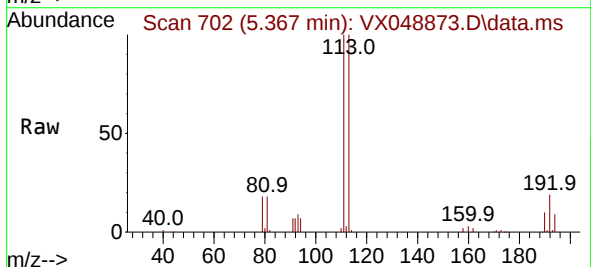
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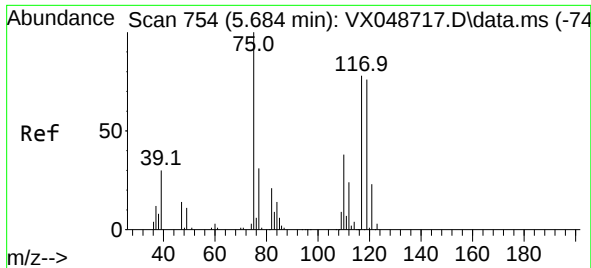
Tgt Ion:114 Resp: 394109
Ion Ratio Lower Upper
114 100
63 21.5 0.0 39.0
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.490 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

Tgt Ion:113 Resp: 128869
Ion Ratio Lower Upper
113 100
111 102.9 79.5 119.3
192 19.7 16.1 24.1

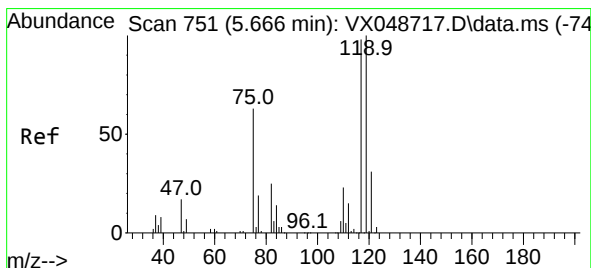
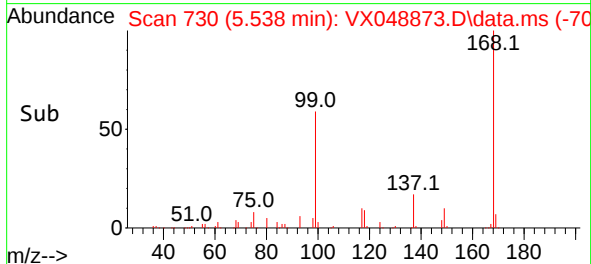
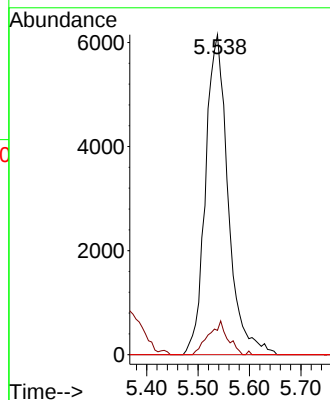
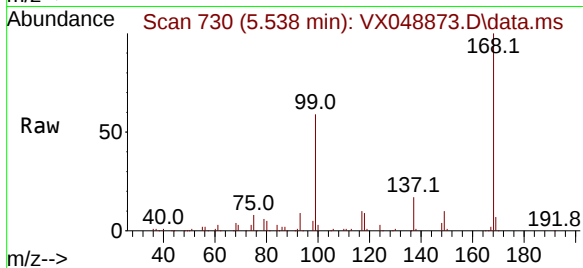




#36
1,1-Dichloropropene
Concen: 5.065 ug/l
RT: 5.538 min Scan# 719
Delta R.T. -0.146 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

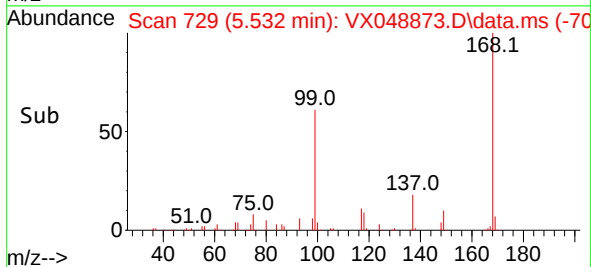
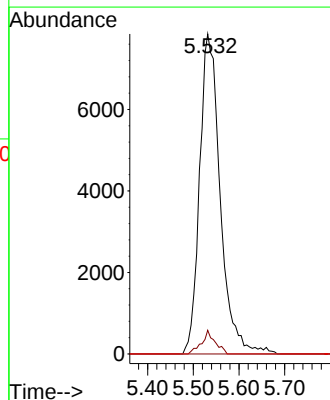
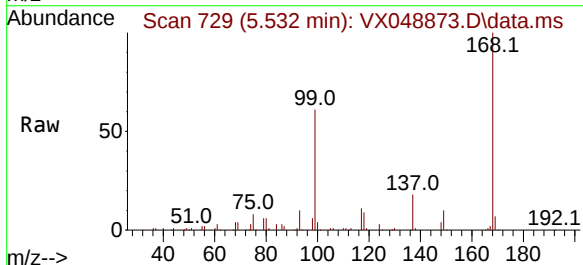
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FDDL

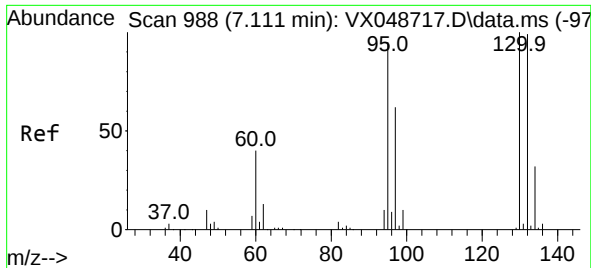
Tgt Ion: 75 Resp: 18826
Ion Ratio Lower Upper
75 100
110 8.9 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 5.532 min Scan# 729
Delta R.T. -0.134 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

Tgt Ion: 117 Resp: 24601
Ion Ratio Lower Upper
117 100
119 7.4 80.5 120.7#
121 0.0 25.4 38.0#

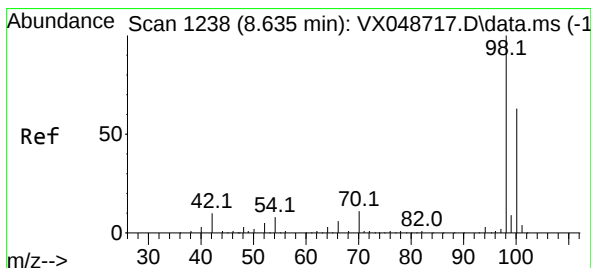
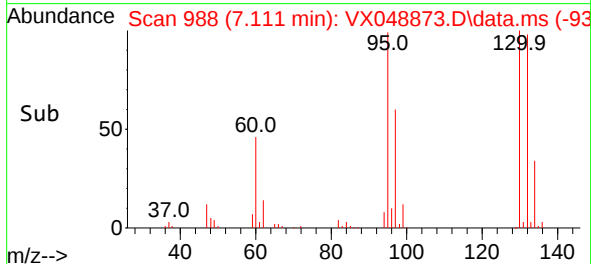
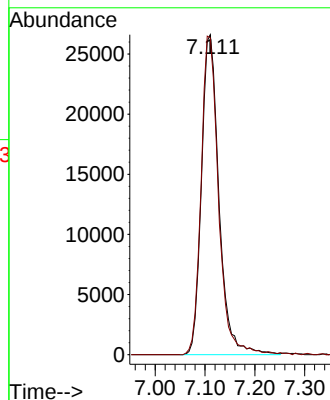
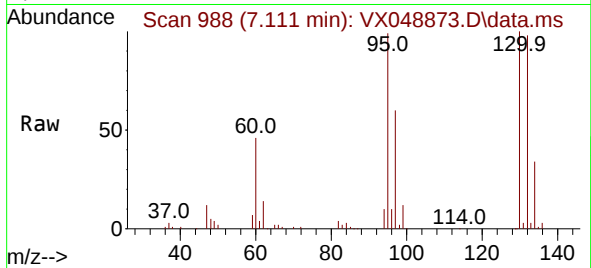




#44
Trichloroethene
Concen: 22.574 ug/l
RT: 7.111 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

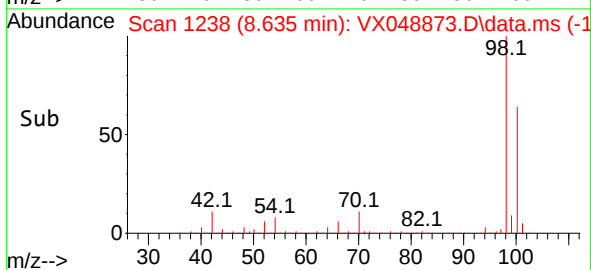
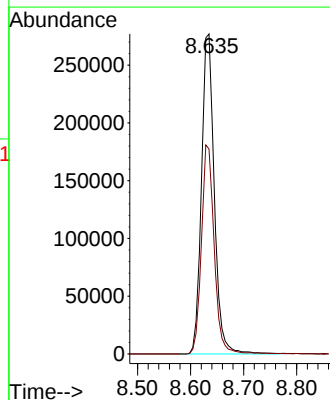
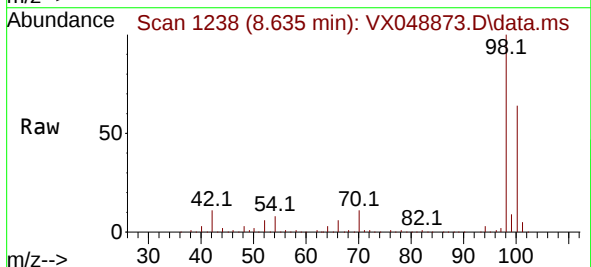
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FDDL

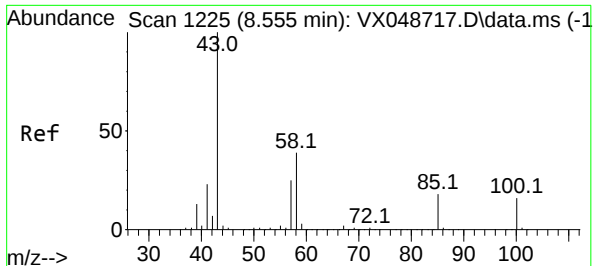
Tgt Ion:130 Resp: 64898
Ion Ratio Lower Upper
130 100
95 99.0 0.0 189.6



#50
Toluene-d8
Concen: 49.082 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

Tgt Ion: 98 Resp: 466863
Ion Ratio Lower Upper
98 100
100 65.1 53.4 80.0

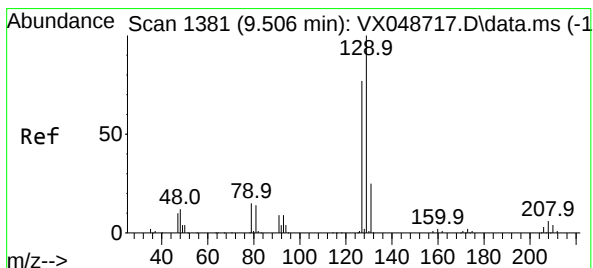
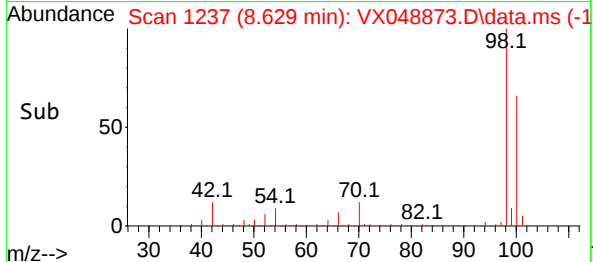
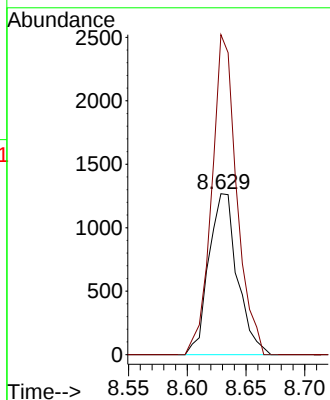
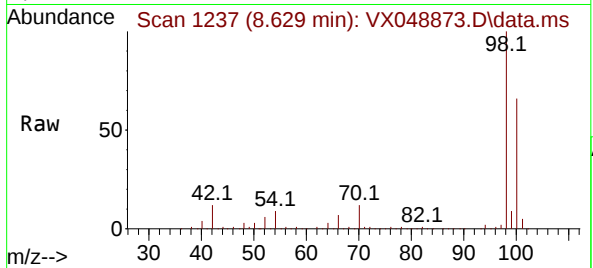




#51
4-Methyl-2-Pentanone
Concen: 0.514 ug/l
RT: 8.629 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

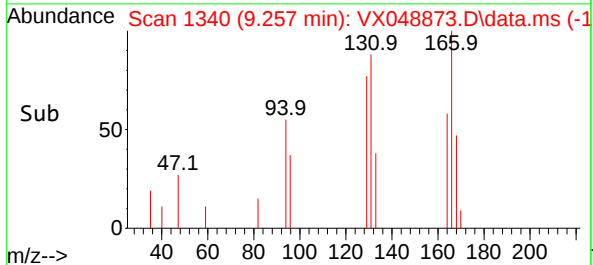
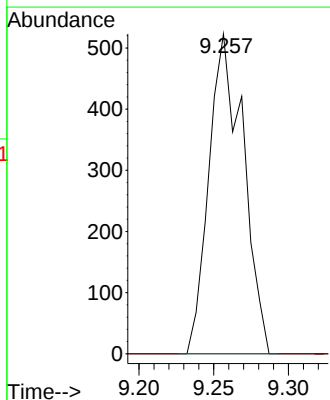
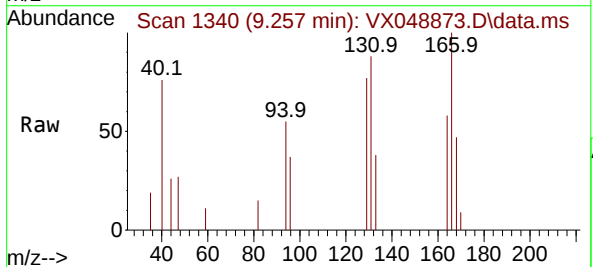
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FDDL

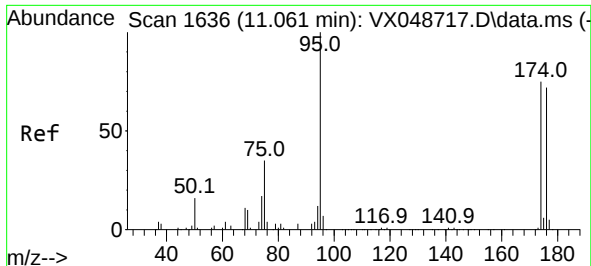
Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
58 173.8 32.2 48.4#



#60
Dibromochloromethane
Concen: 0.252 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

Tgt Ion: 129 Resp: 833
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

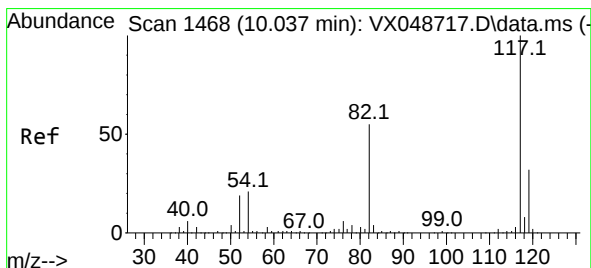
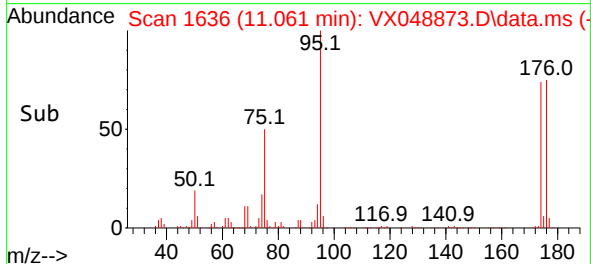
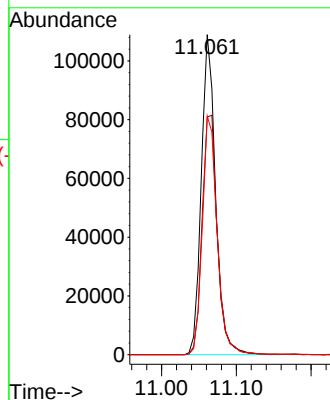
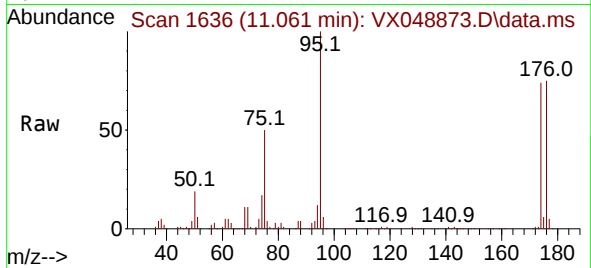




#62
4-Bromofluorobenzene
Concen: 44.023 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

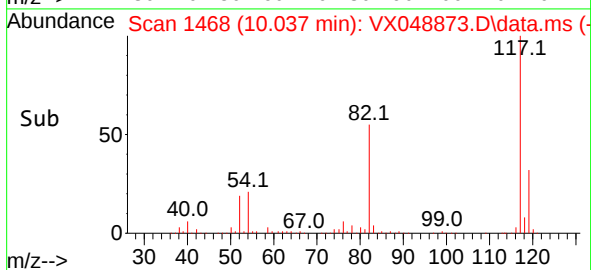
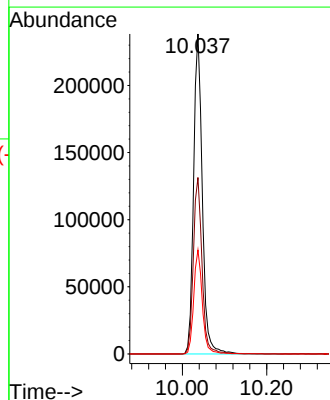
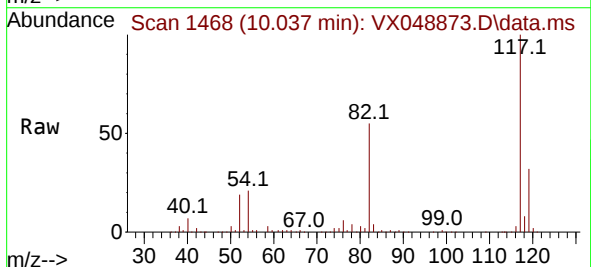
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FDDL

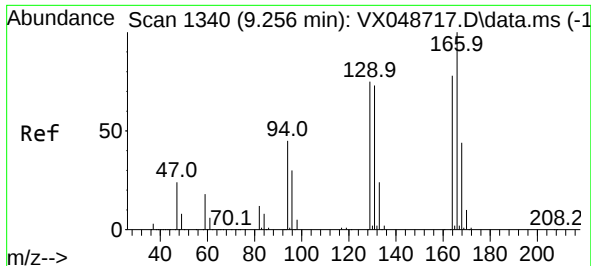
Tgt Ion: 95 Resp: 144396
Ion Ratio Lower Upper
95 100
174 80.5 0.0 157.8
176 77.5 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

Tgt Ion: 117 Resp: 342760
Ion Ratio Lower Upper
117 100
82 55.2 44.1 66.1
119 32.5 25.2 37.8

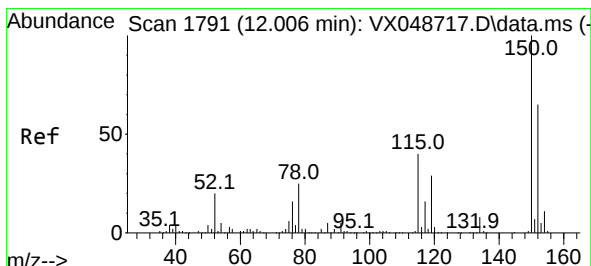
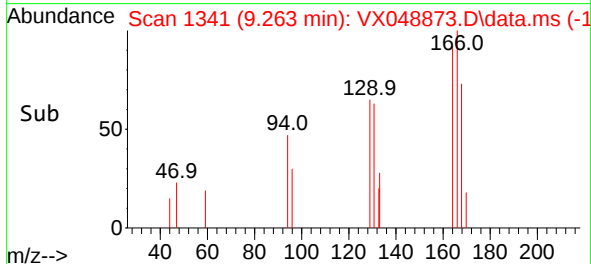
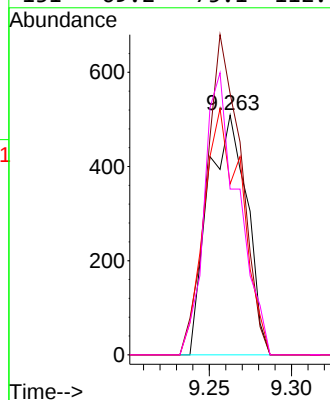
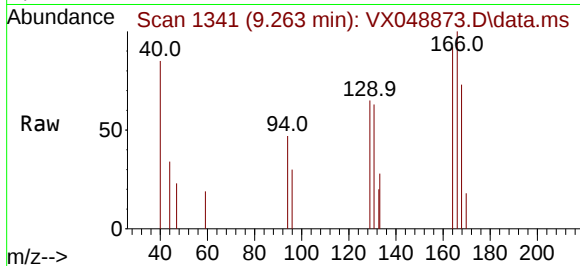




#64
Tetrachloroethene
Concen: 0.334 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

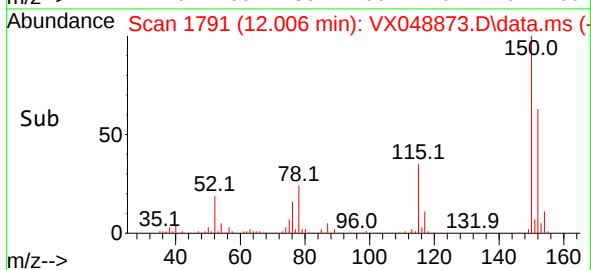
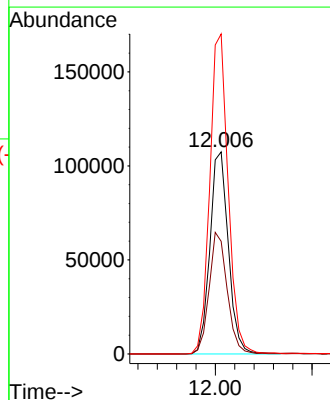
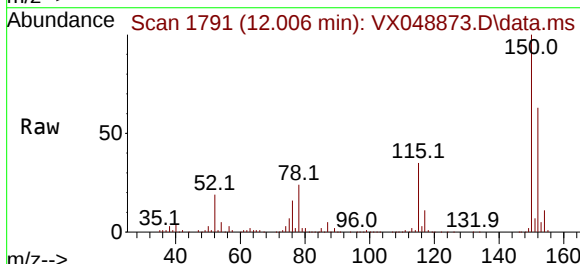
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FDDL

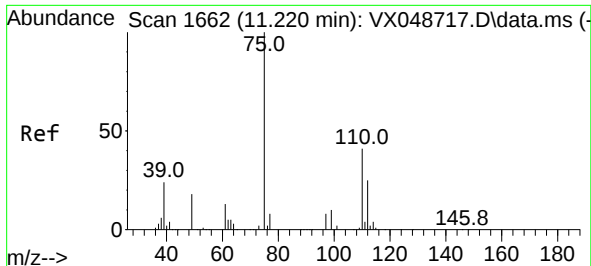
Tgt Ion:164	Resp:	835
Ion	Ratio	Lower Upper
164	100	
166	109.0	103.1 154.7
129	71.3	76.9 115.3#
131	69.2	75.1 112.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

Tgt Ion:152	Resp:	142833
Ion	Ratio	Lower Upper
152	100	
115	59.0	42.1 126.4
150	158.2	0.0 347.8

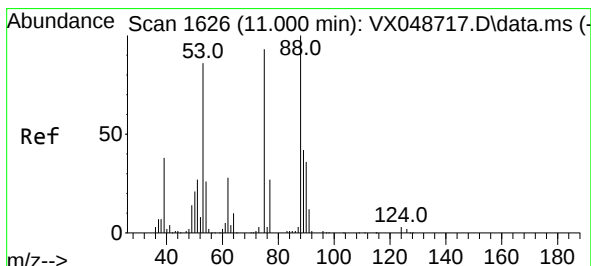
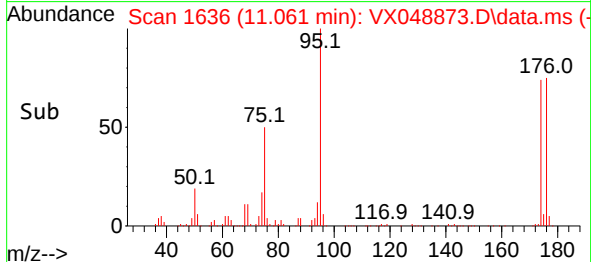
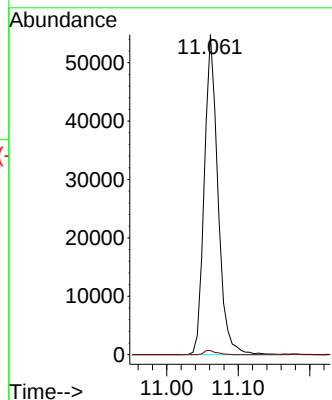
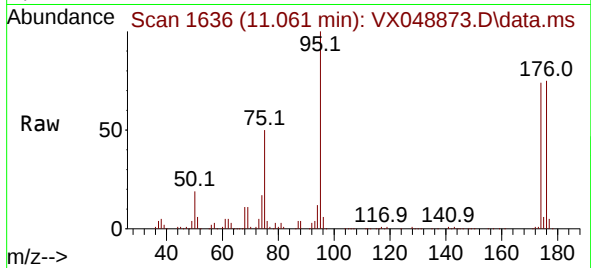




#76
1,2,3-Trichloropropane
Concen: 27.284 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

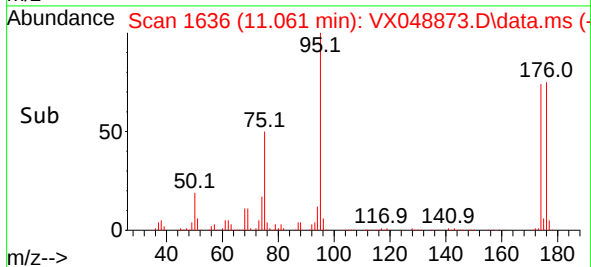
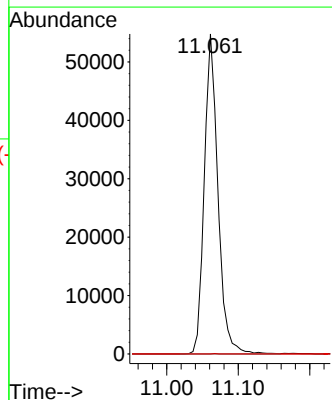
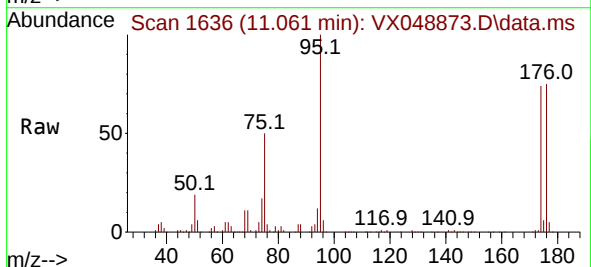
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FDDL

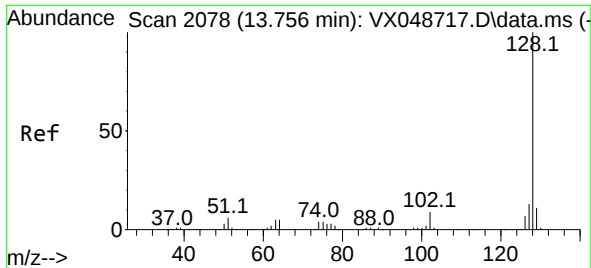
Tgt Ion: 75 Resp: 72584
Ion Ratio Lower Upper
75 100
77 1.2 24.3 73.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.810 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

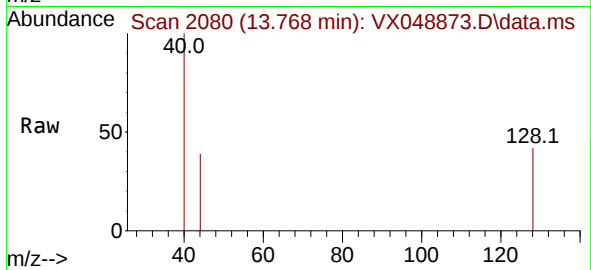
Tgt Ion: 75 Resp: 72584
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#





#95
Naphthalene
Concen: Below Cal
RT: 13.768 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX048873.D
Acq: 15 Dec 2025 12:31

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FDDL



Tgt Ion:128 Resp: 275
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

