

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
 Data File : VX048760.D
 Acq On : 08 Dec 2025 17:00
 Operator : JC/MD
 Sample : Q3788-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-01B-66.5-120525

Quant Time: Dec 09 04:13:22 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)

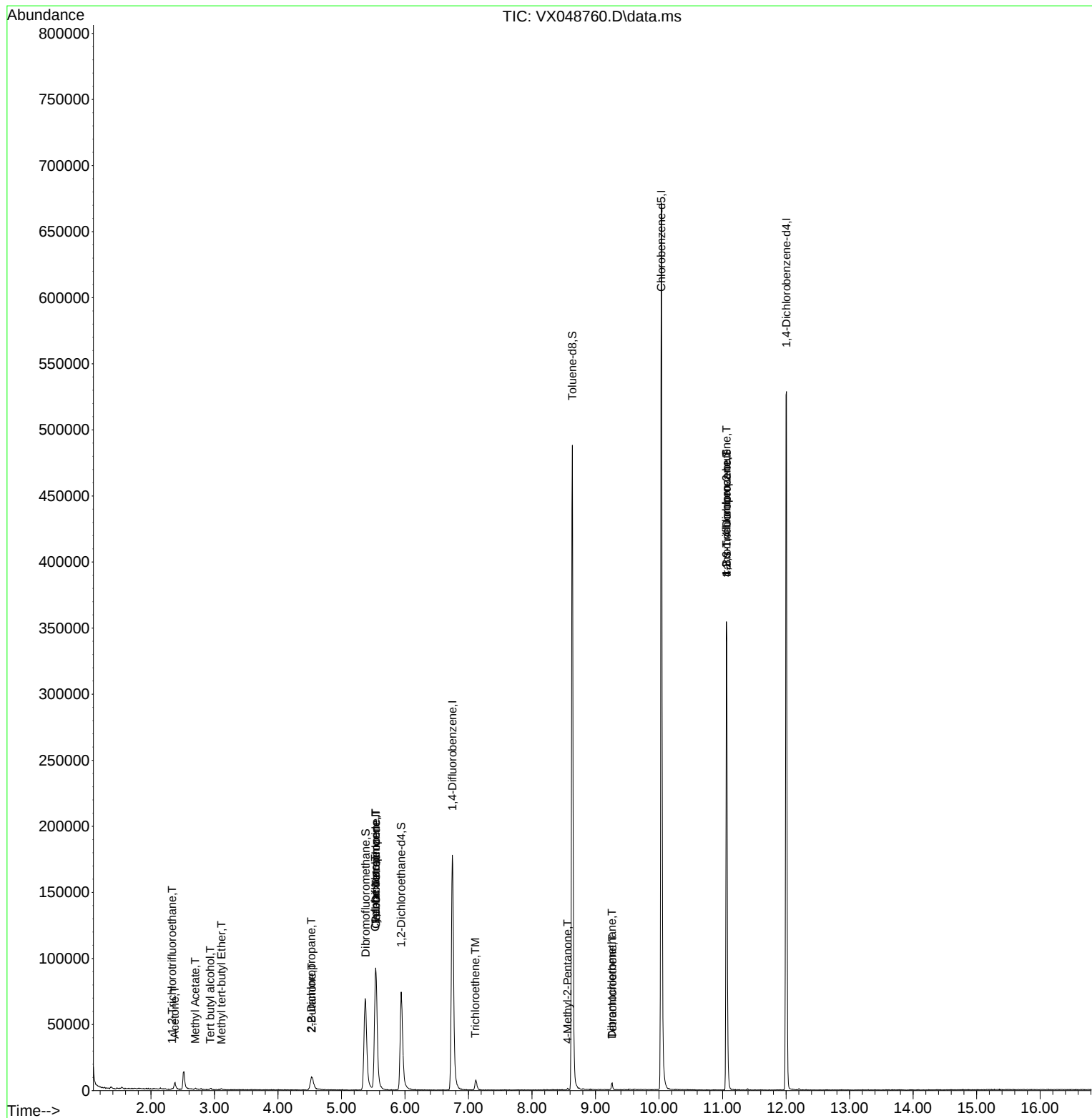
Internal Standards						
1) Pentafluorobenzene	5.538	168	95592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	193994	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	314319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	113748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	75815	59.091	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.180%#			
35) Dibromofluoromethane	5.379	113	65834	49.287	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	8.635	98	298903	63.839	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 127.680%#			
62) 4-Bromofluorobenzene	11.061	95	94284	58.397	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.800%			
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.331	101	391	0.360	ug/l #	85
11) Tert butyl alcohol	2.934	59	371	1.791	ug/l #	73
16) Acetone	2.374	43	7191	14.641	ug/l	97
18) Methyl Acetate	2.697	43	1151	0.833	ug/l #	81
19) Methyl tert-butyl Ether	3.111	73	741	0.205	ug/l #	87
25) 2-Butanone	4.532	43	643	0.887	ug/l #	46
26) 2,2-Dichloropropane	4.526	77	1004	0.584	ug/l #	52
31) Cyclohexane	5.532	56	2199	1.268	ug/l #	18
36) 1,1-Dichloropropene	5.538	75	7989	4.367	ug/l #	45
38) Carbon Tetrachloride	5.544	117	9926	4.790	ug/l #	15
44) Trichloroethene	7.104	130	3076	2.174	ug/l	82
51) 4-Methyl-2-Pentanone	8.561	43	831	0.404	ug/l	100
60) Dibromochloromethane	9.256	129	1083	0.666	ug/l #	11
64) Tetrachloroethene	9.263	164	1059	0.462	ug/l #	89
76) 1,2,3-Trichloropropane	11.061	75	50819	23.987	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	50819	56.979	ug/l #	3
95) Naphthalene	13.756	128	113	Below Cal	#	69

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

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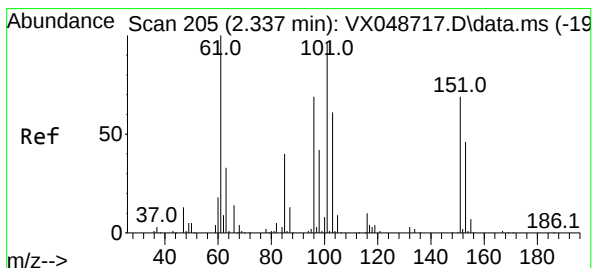
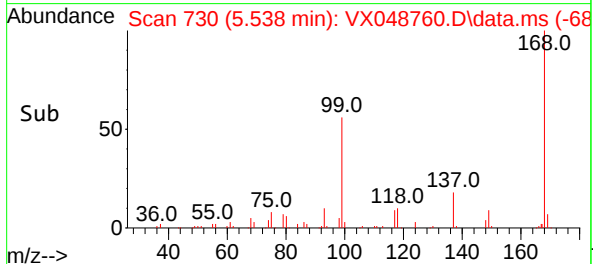
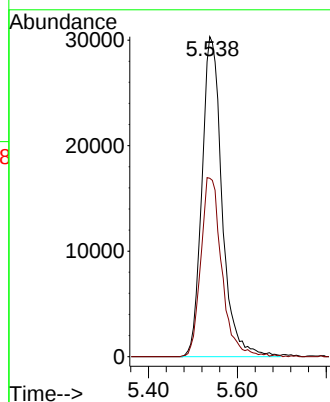
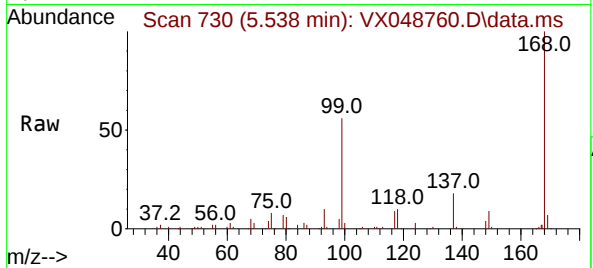




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

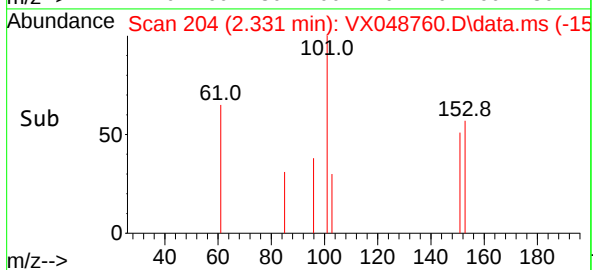
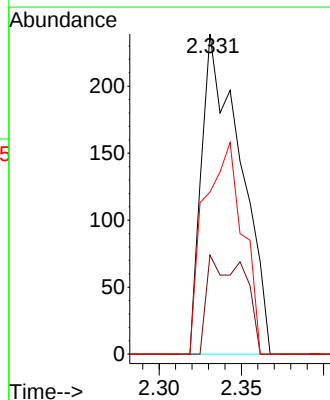
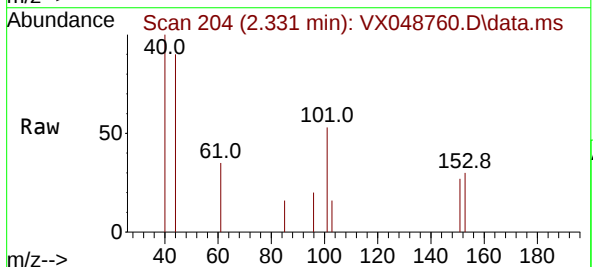
Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

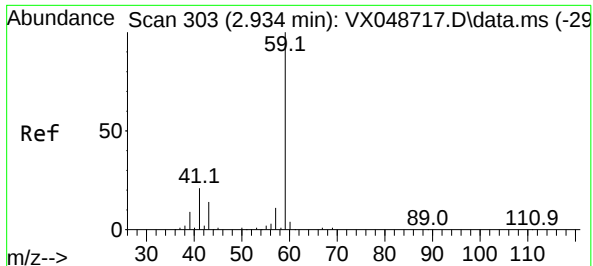
Tgt Ion:168 Resp: 95592
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.360 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

Tgt Ion:101 Resp: 391
Ion Ratio Lower Upper
101 100
85 29.2 34.2 51.2#
151 65.7 60.2 90.4





#11

Tert butyl alcohol

Concen: 1.791 ug/l

RT: 2.934 min Scan# 303

Delta R.T. 0.000 min

Lab File: VX048760.D

Acq: 08 Dec 2025 17:00

Instrument :

MSVOA_X

ClientSampleId :

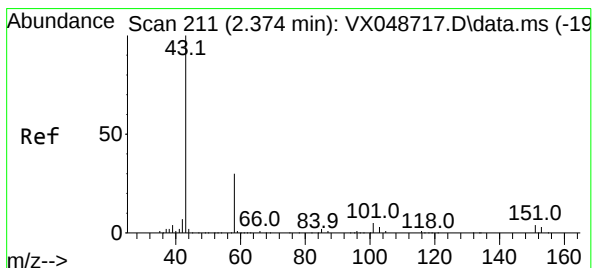
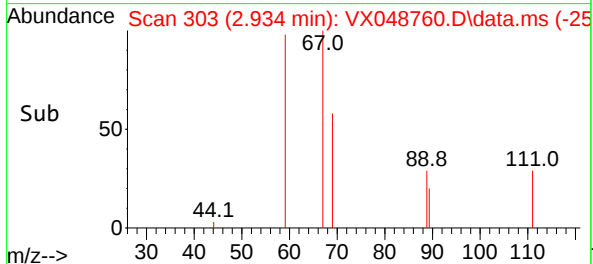
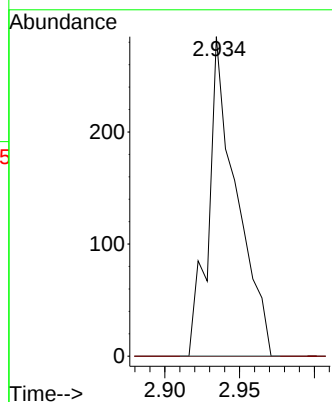
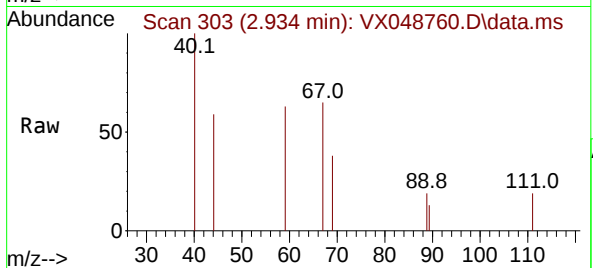
OW-01B-66.5-120525

Tgt Ion: 59 Resp: 371

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 14.641 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX048760.D

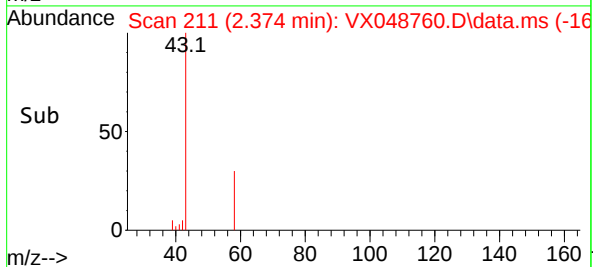
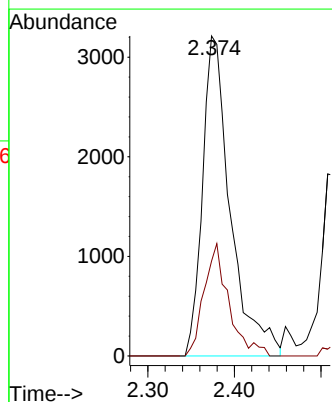
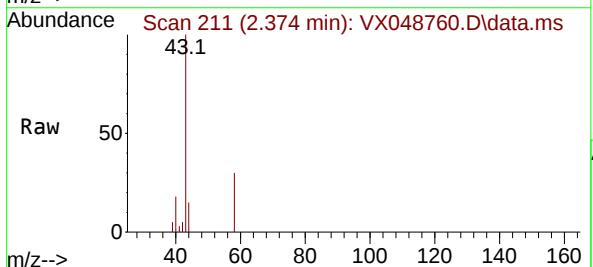
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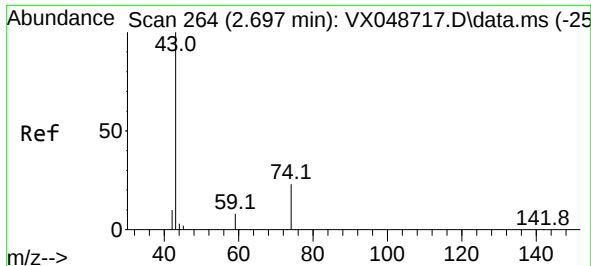
Tgt Ion: 43 Resp: 7191

Ion Ratio Lower Upper

43 100

58 29.7 25.0 37.4

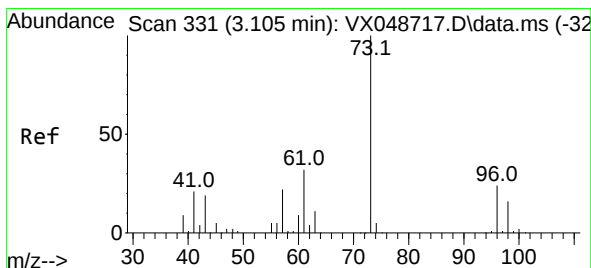
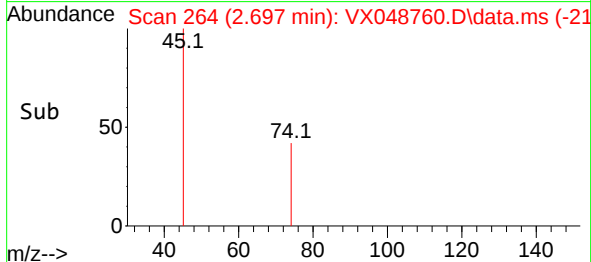
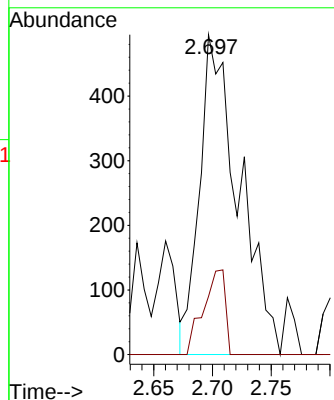
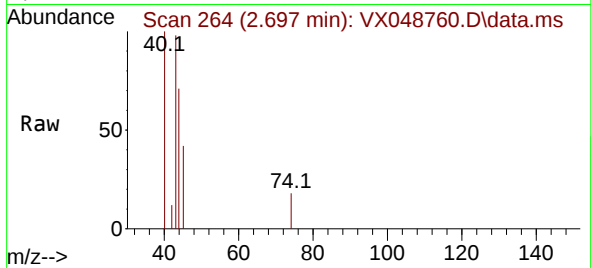




#18
Methyl Acetate
Concen: 0.833 ug/l
RT: 2.697 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

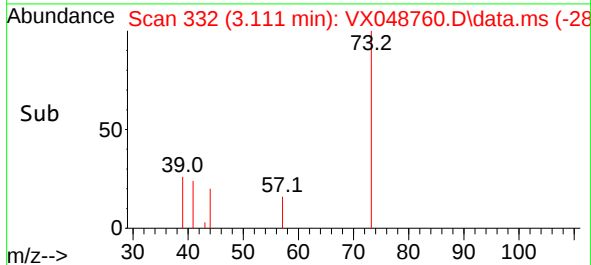
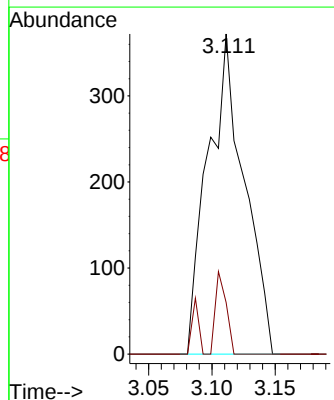
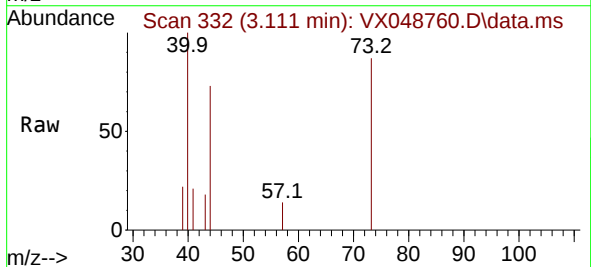
Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

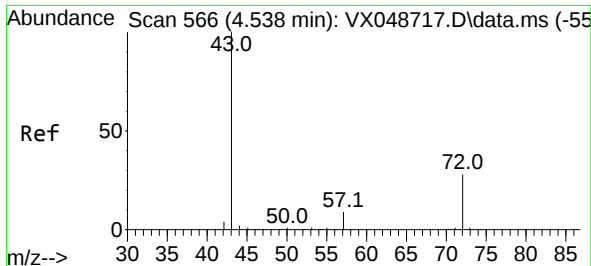
Tgt Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
74 14.7 19.2 28.8#



#19
Methyl tert-butyl Ether
Concen: 0.205 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

Tgt Ion: 73 Resp: 741
Ion Ratio Lower Upper
73 100
57 16.1 17.8 26.6#

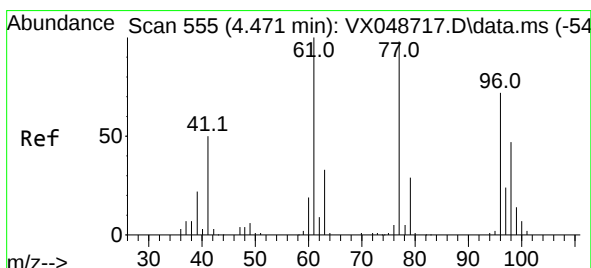
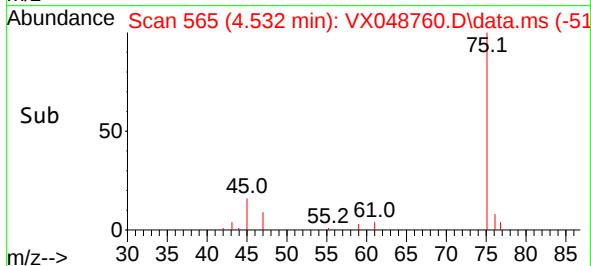
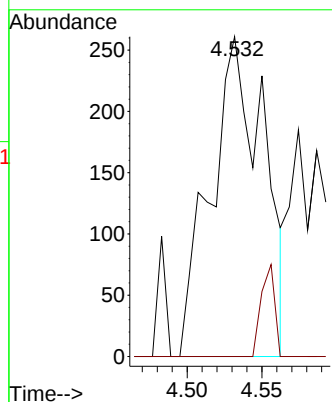
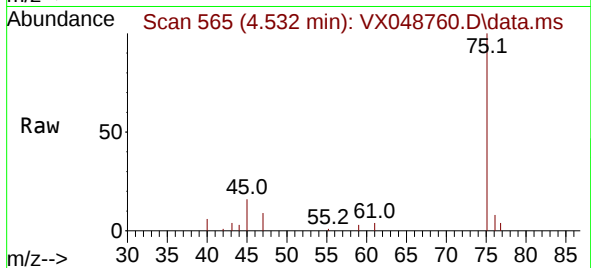




#25
2-Butanone
Concen: 0.887 ug/l
RT: 4.532 min Scan# 50
Delta R.T. -0.006 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

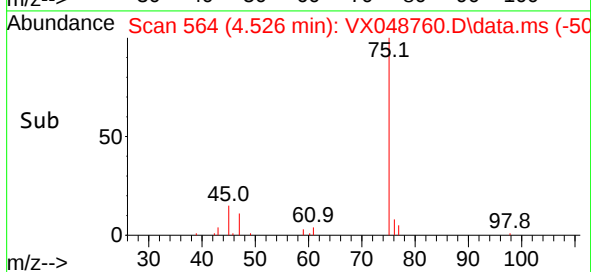
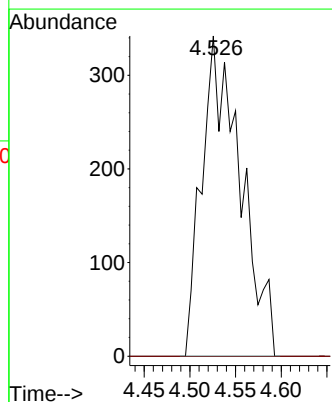
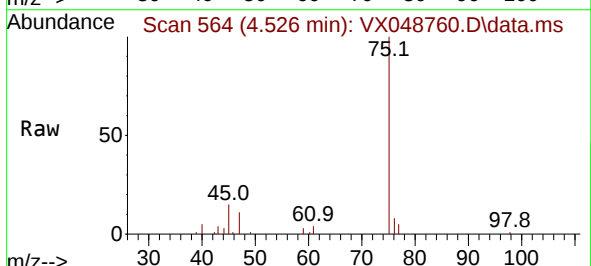
Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

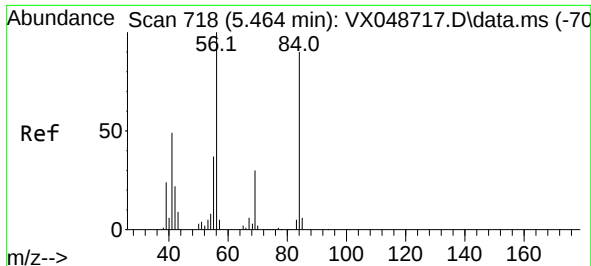
Tgt Ion: 43 Resp: 643
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#



#26
2,2-Dichloropropane
Concen: 0.584 ug/l
RT: 4.526 min Scan# 564
Delta R.T. 0.055 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

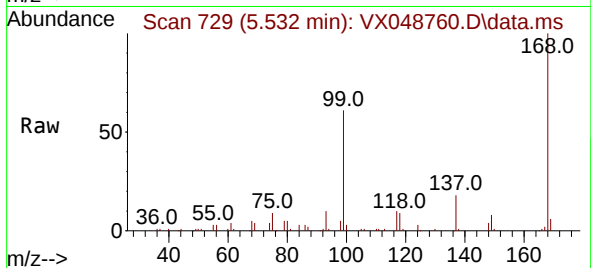
Tgt Ion: 77 Resp: 1004
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.8#



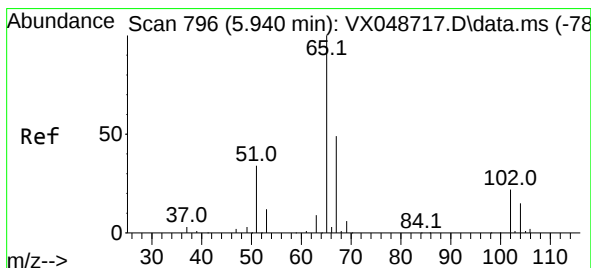
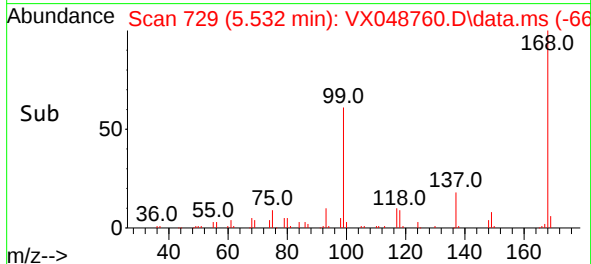
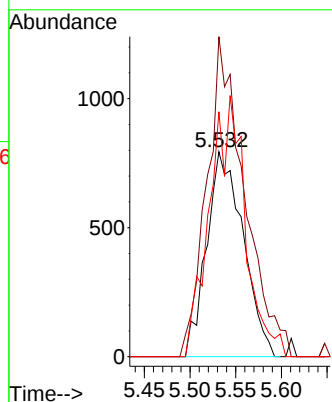


#31
Cyclohexane
Concen: 1.268 ug/l
RT: 5.532 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

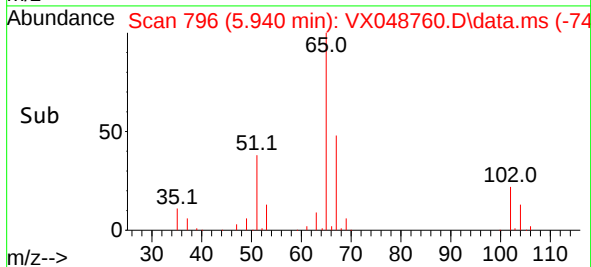
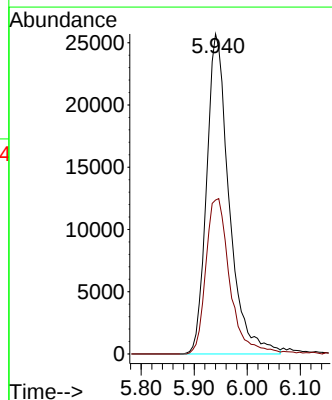
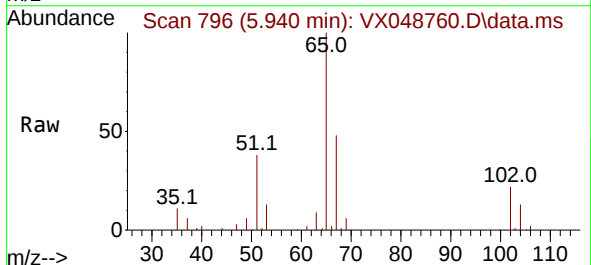


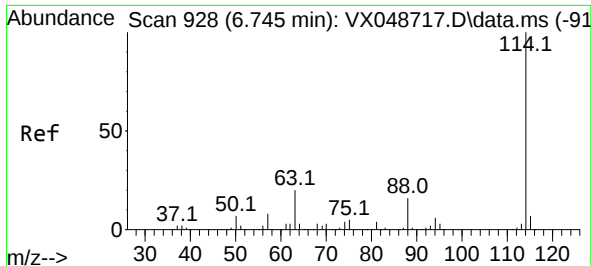
Tgt Ion: 56 Resp: 2199
Ion Ratio Lower Upper
56 100
69 156.2 24.2 36.2#
84 119.5 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 59.091 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

Tgt Ion: 65 Resp: 75815
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.4

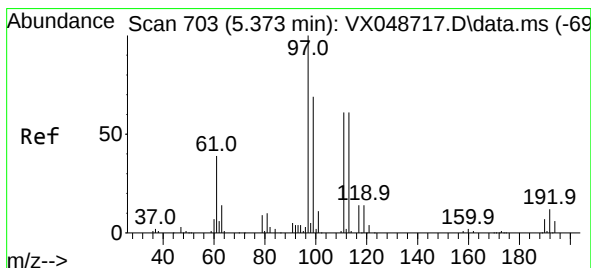
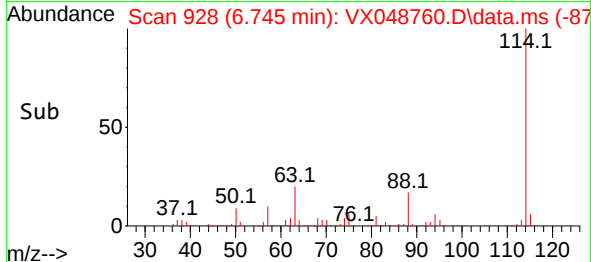
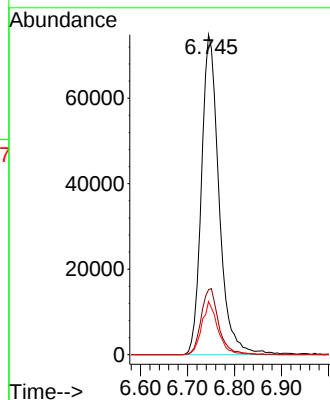
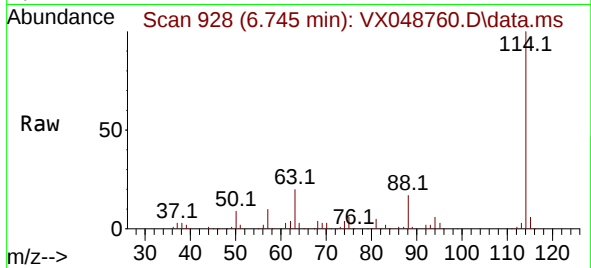




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

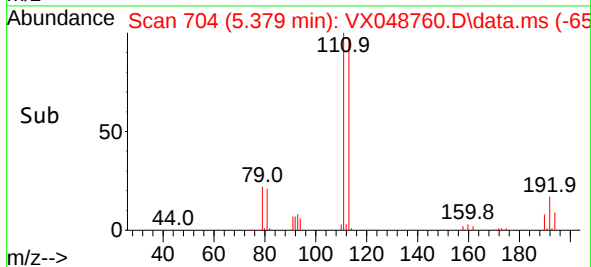
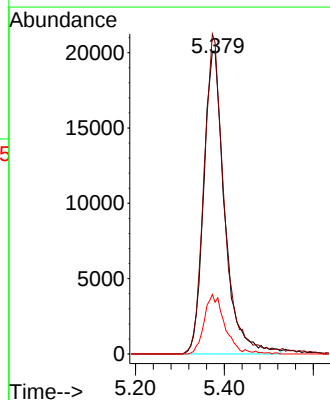
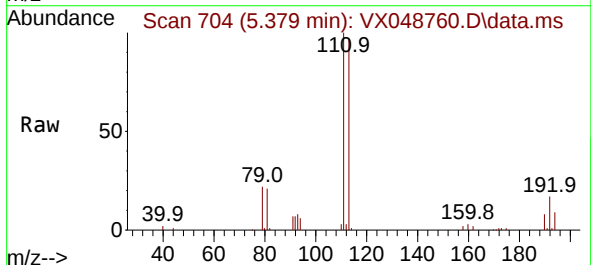
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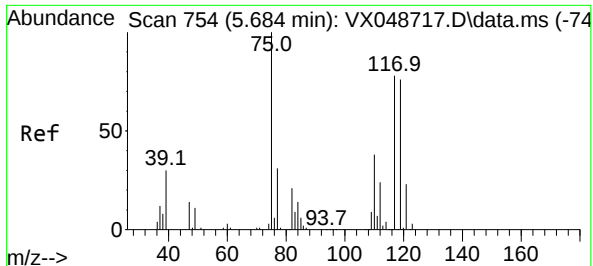
Tgt Ion:114 Resp: 193994
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.0
88 16.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.287 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

Tgt Ion:113 Resp: 65834
Ion Ratio Lower Upper
113 100
111 101.8 79.5 119.3
192 18.8 16.1 24.1

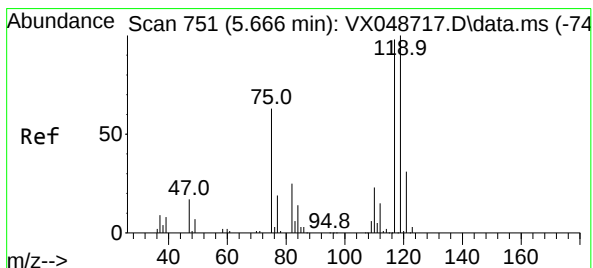
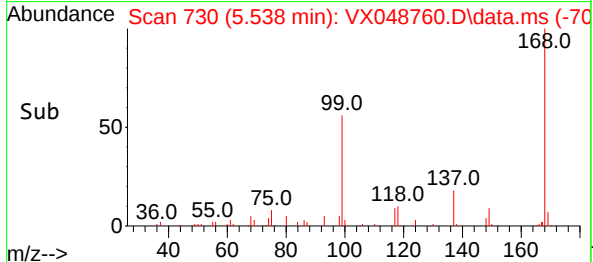
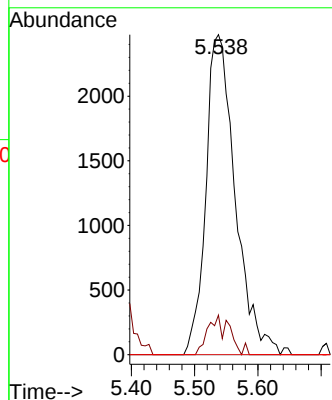
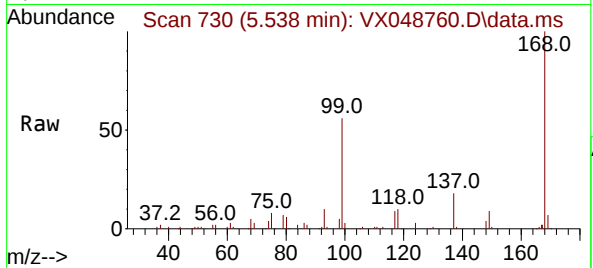




#36
1,1-Dichloropropene
Concen: 4.367 ug/l
RT: 5.538 min Scan# 710
Delta R.T. -0.146 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

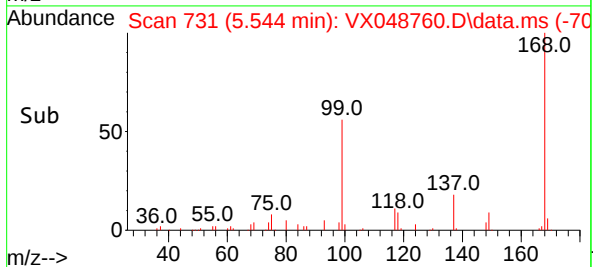
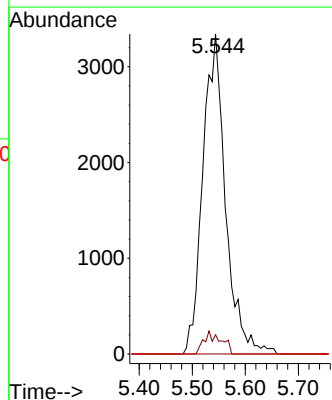
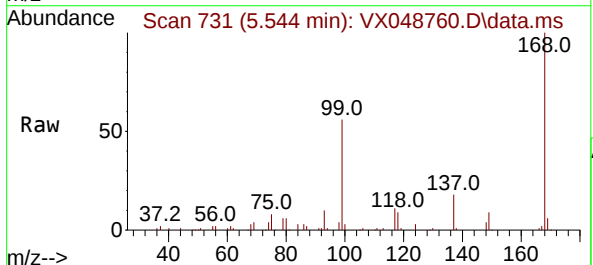
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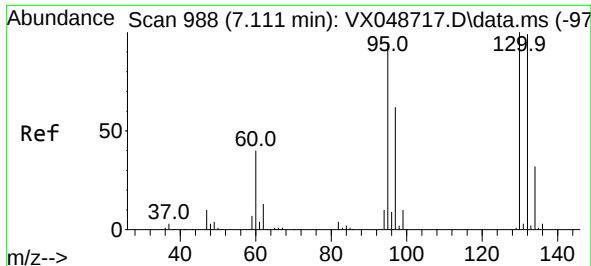
Tgt Ion: 75 Resp: 7989
Ion Ratio Lower Upper
75 100
110 5.7 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.790 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.122 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

Tgt Ion: 117 Resp: 9926
Ion Ratio Lower Upper
117 100
119 6.0 80.5 120.7#
121 0.0 25.4 38.0#

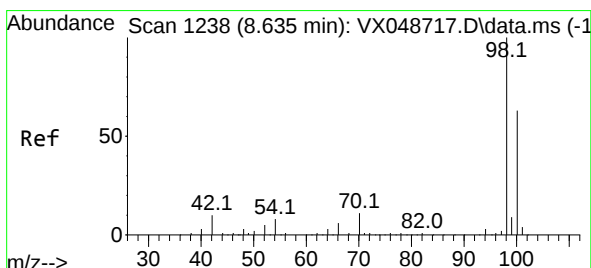
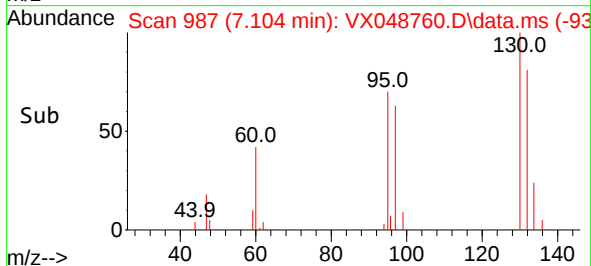
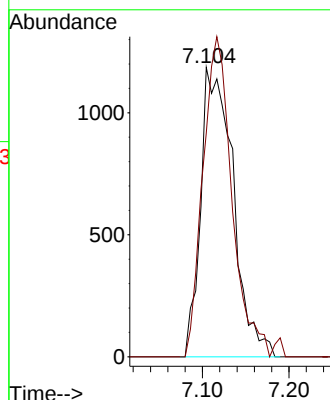
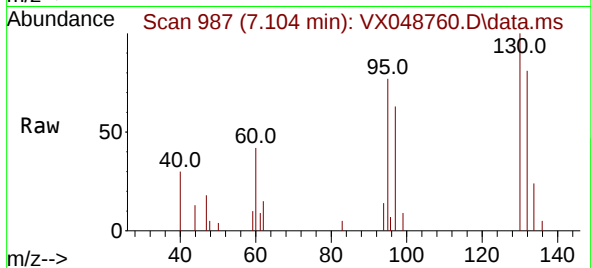




#44
 Trichloroethene
 Concen: 2.174 ug/l
 RT: 7.104 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VX048760.D
 Acq: 08 Dec 2025 17:00

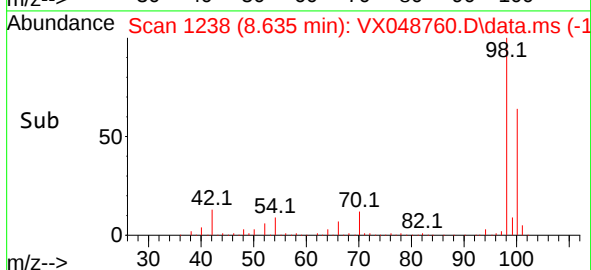
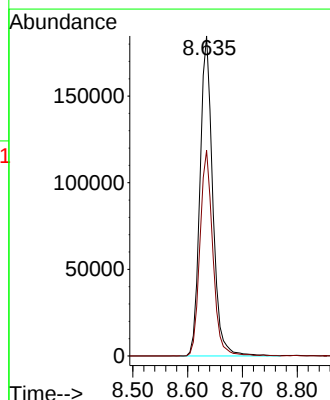
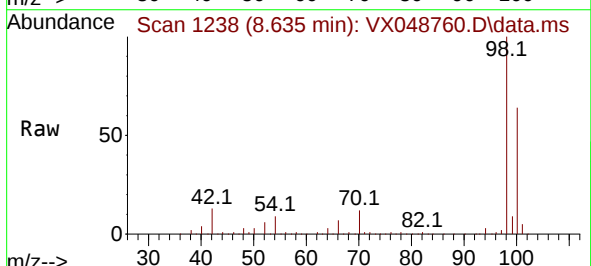
Instrument :
 MSVOA_X
 ClientSampleId :
 OW-01B-66.5-120525

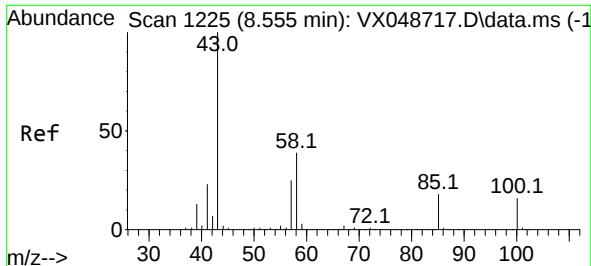
Tgt Ion:130 Resp: 3076
 Ion Ratio Lower Upper
 130 100
 95 77.3 0.0 189.6



#50
 Toluene-d8
 Concen: 63.839 ug/l
 RT: 8.635 min Scan# 1238
 Delta R.T. 0.000 min
 Lab File: VX048760.D
 Acq: 08 Dec 2025 17:00

Tgt Ion: 98 Resp: 298903
 Ion Ratio Lower Upper
 98 100
 100 64.8 53.4 80.0

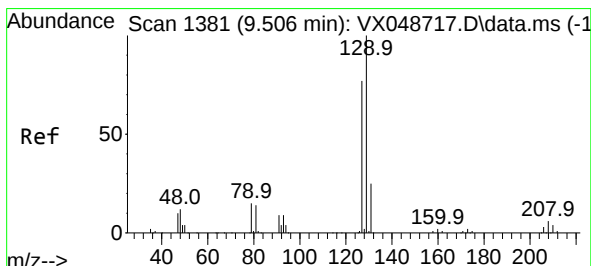
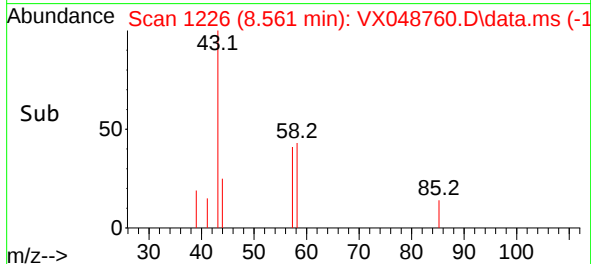
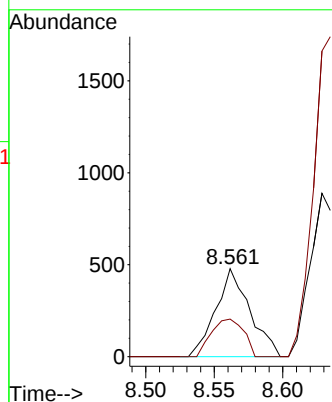
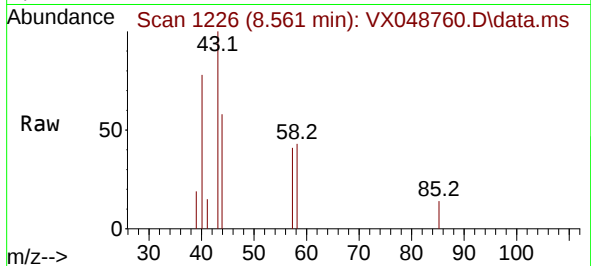




#51
4-Methyl-2-Pentanone
Concen: 0.404 ug/l
RT: 8.561 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

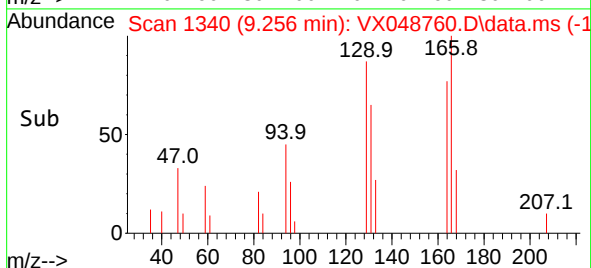
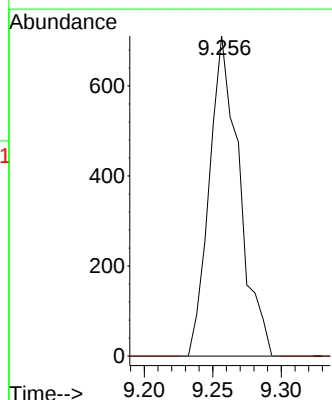
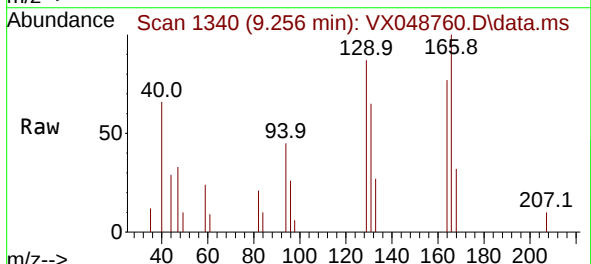
Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

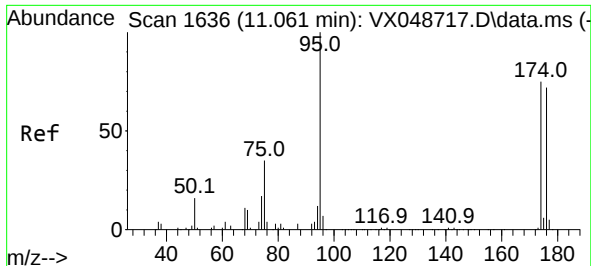
Tgt Ion: 43 Resp: 831
Ion Ratio Lower Upper
43 100
58 40.6 32.2 48.4



#60
Dibromochloromethane
Concen: 0.666 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

Tgt Ion: 129 Resp: 1083
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#

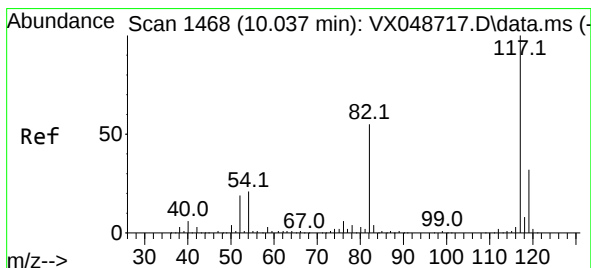
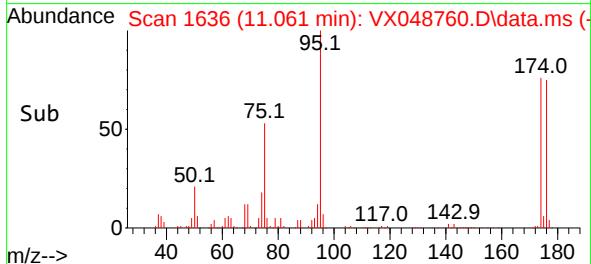
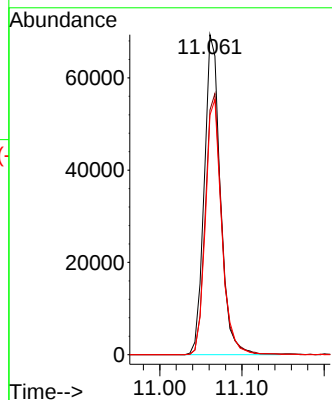
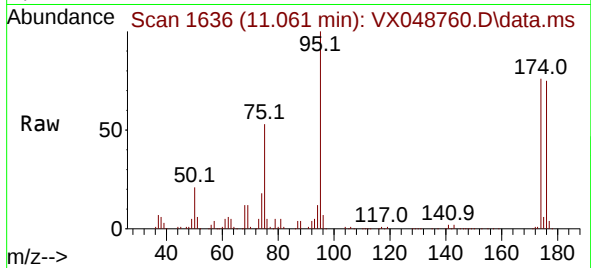




#62
4-Bromofluorobenzene
Concen: 58.397 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

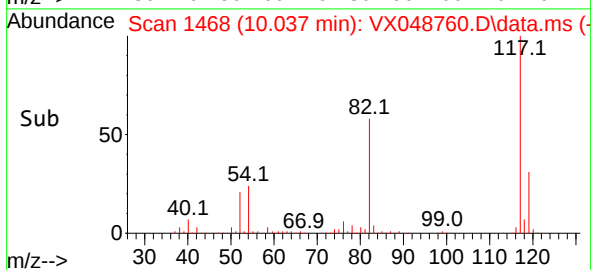
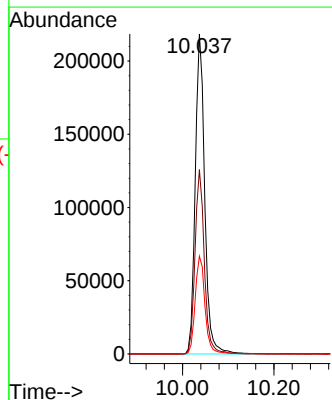
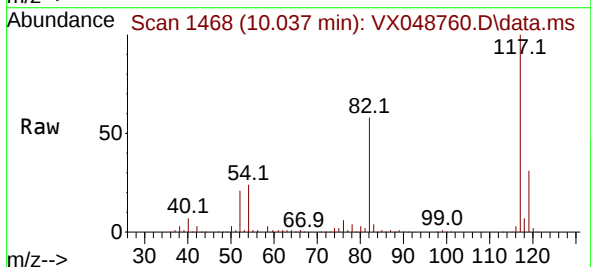
Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

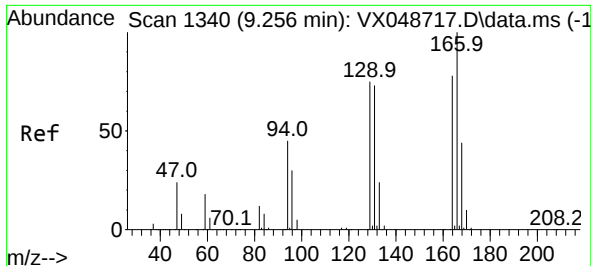
Tgt Ion: 95 Resp: 94284
Ion Ratio Lower Upper
95 100
174 83.7 0.0 157.8
176 80.6 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

Tgt Ion: 117 Resp: 314319
Ion Ratio Lower Upper
117 100
82 57.6 44.1 66.1
119 30.6 25.2 37.8

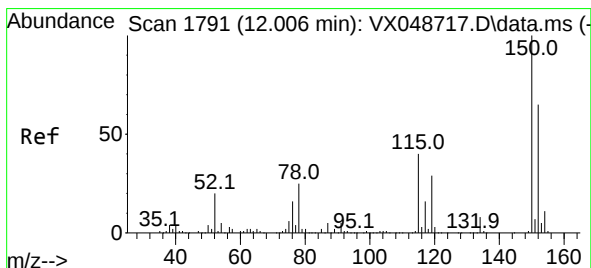
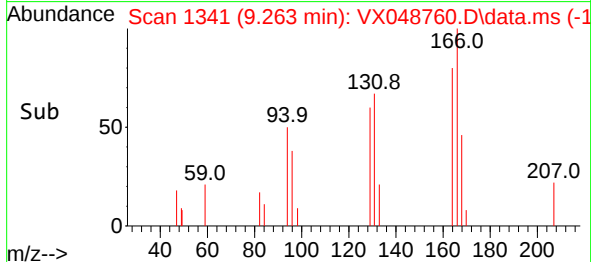
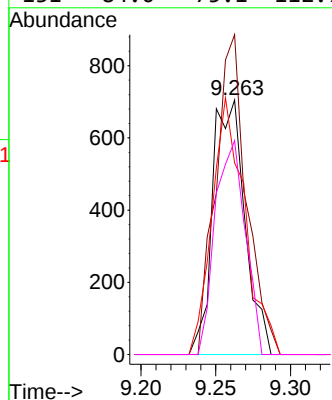
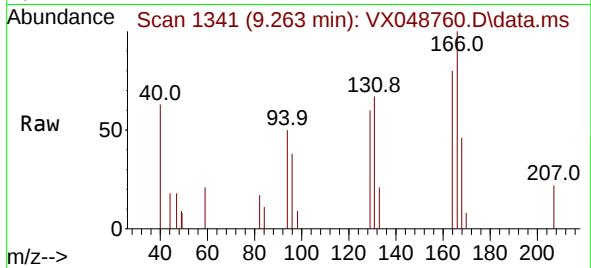




#64
Tetrachloroethene
Concen: 0.462 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

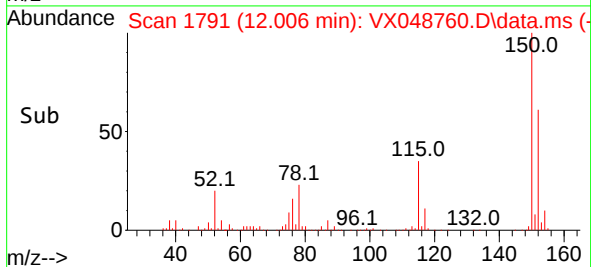
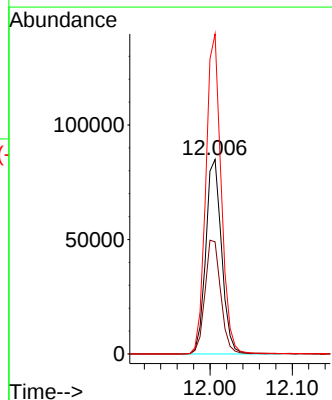
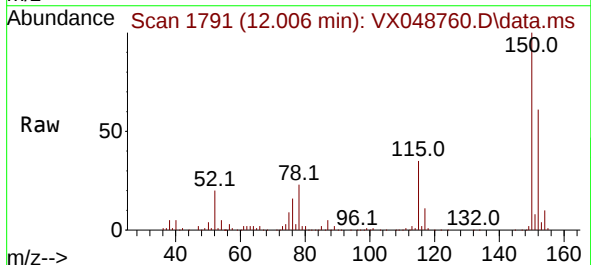
Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

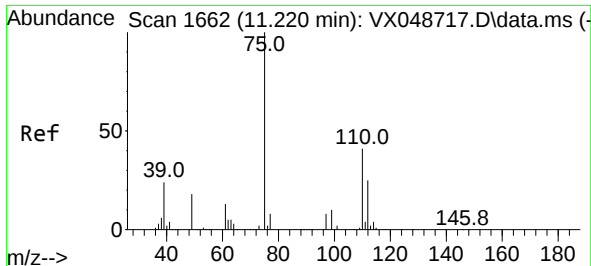
Tgt Ion:164	Resp:	1059
Ion	Ratio	Lower Upper
164	100	
166	125.7	103.1 154.7
129	75.3	76.9 115.3#
131	84.0	75.1 112.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

Tgt Ion:152	Resp:	113748
Ion	Ratio	Lower Upper
152	100	
115	58.3	42.1 126.4
150	159.2	0.0 347.8

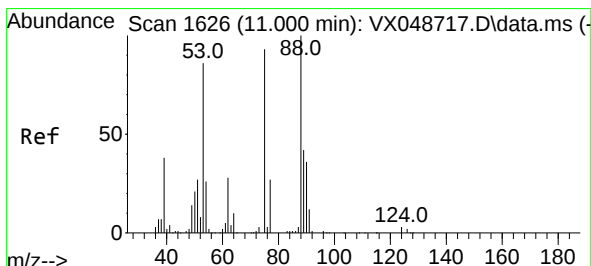
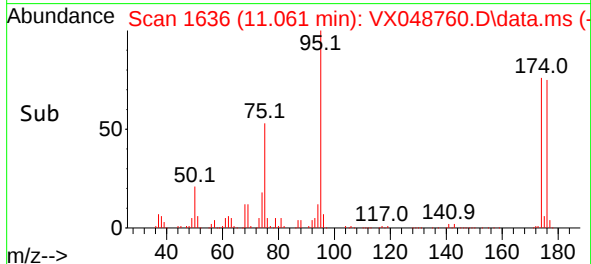
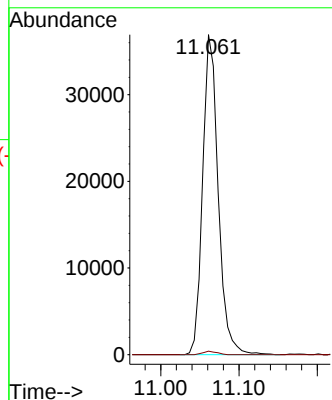
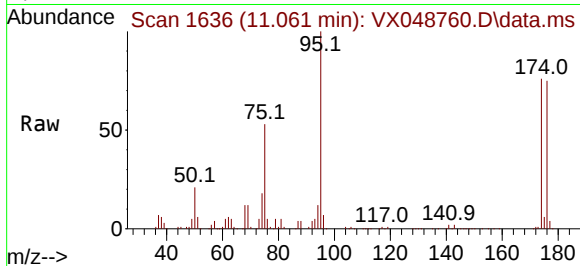




#76
1,2,3-Trichloropropane
Concen: 23.987 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

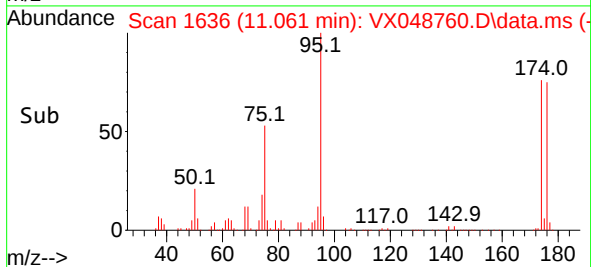
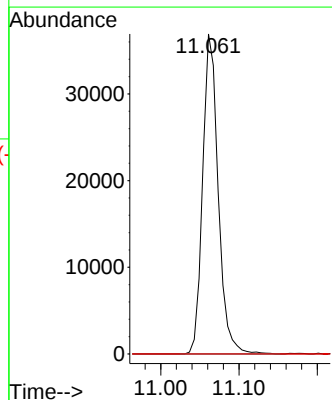
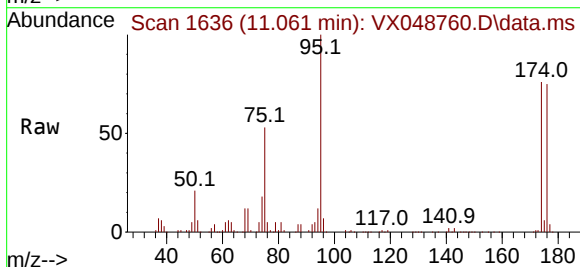
Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525

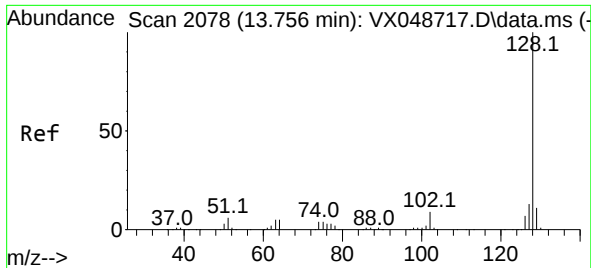
Tgt Ion: 75 Resp: 50819
Ion Ratio Lower Upper
75 100
77 1.0 24.3 73.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.979 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

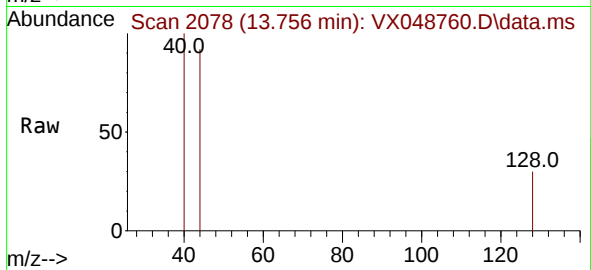
Tgt Ion: 75 Resp: 50819
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#





#95
Naphthalene
Concen: Below Cal
RT: 13.756 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX048760.D
Acq: 08 Dec 2025 17:00

Instrument :
MSVOA_X
ClientSampleId :
OW-01B-66.5-120525



Tgt Ion:128 Resp: 113
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

