

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047651.D
 Acq On : 18 Sep 2025 18:50
 Operator : JC/MD
 Sample : Q3095-26
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20250910

Quant Time: Sep 22 03:42:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

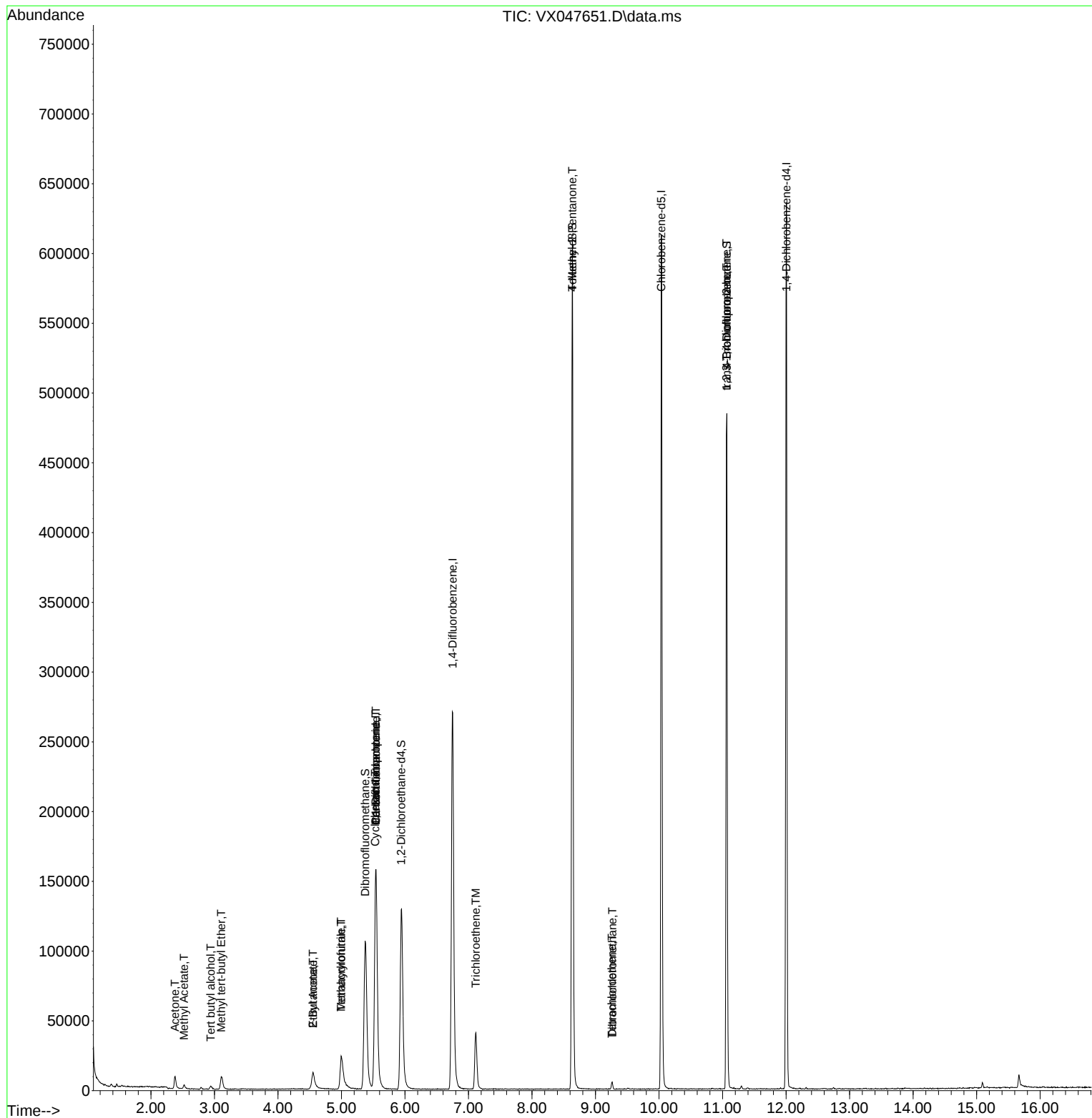
Internal Standards						
1) Pentafluorobenzene	5.537	168	159745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	297192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	273565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	132699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	142419	56.010	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	112.020%
35) Dibromofluoromethane	5.373	113	104554	52.457	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.920%
50) Toluene-d8	8.634	98	364854	52.903	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.800%
62) 4-Bromofluorobenzene	11.067	95	142019	54.260	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.520%
Target Compounds						Qvalue
11) Tert butyl alcohol	2.940	59	1798	6.349	ug/l #	84
16) Acetone	2.379	43	12942	11.706	ug/l	93
18) Methyl Acetate	2.520	43	613	0.249	ug/l #	54
19) Methyl tert-butyl Ether	3.105	73	11362	1.640	ug/l	98
25) 2-Butanone	4.550	43	19085	13.839	ug/l	99
29) Tetrahydrofuran	4.995	42	26791	32.293	ug/l	98
31) Cyclohexane	5.531	56	3335	0.993	ug/l #	20
36) 1,1-Dichloropropene	5.537	75	13831	4.749	ug/l #	52
37) Ethyl Acetate	4.550	43	19085	6.120	ug/l #	71
38) Carbon Tetrachloride	5.543	117	17179	5.429	ug/l #	16
41) Methacrylonitrile	4.995	41	16030	9.957	ug/l #	43
44) Trichloroethene	7.116	130	17559	8.211	ug/l	100
51) 4-Methyl-2-Pentanone	8.634	43	1783	0.629	ug/l #	1
60) Dibromochloromethane	9.262	129	983	0.406	ug/l #	11
64) Tetrachloroethene	9.256	164	839	0.470	ug/l	89
76) 1,2,3-Trichloropropane	11.061	75	73367	27.307	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	73367	69.637	ug/l #	8

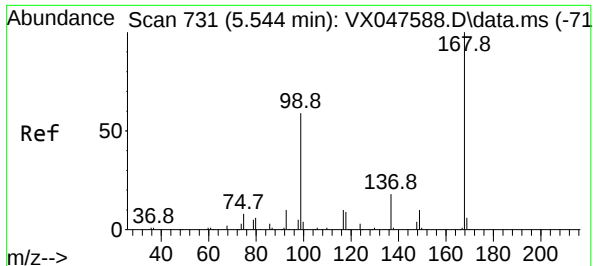
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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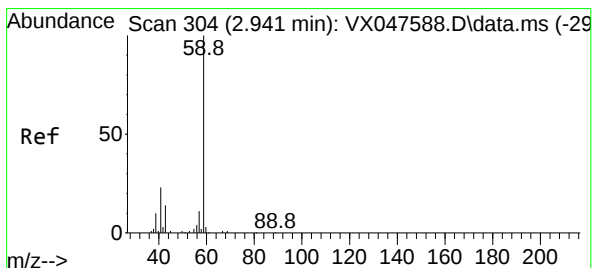
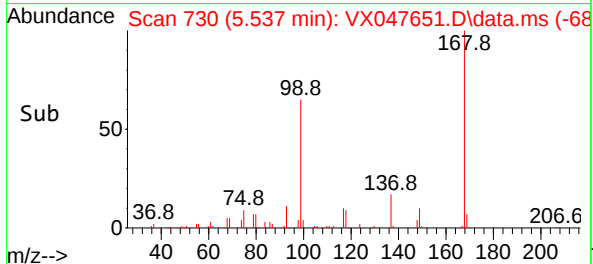
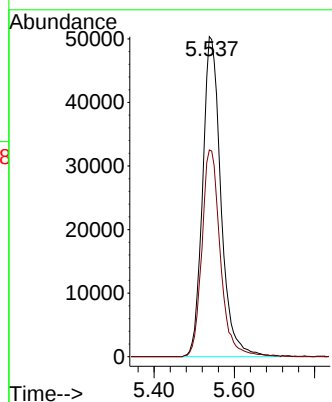
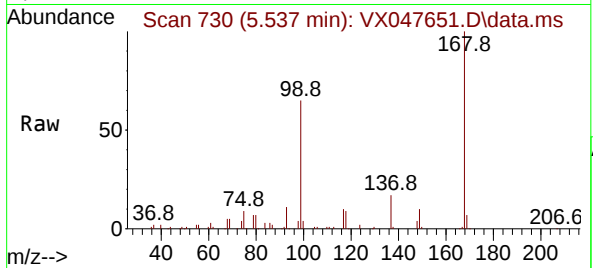




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

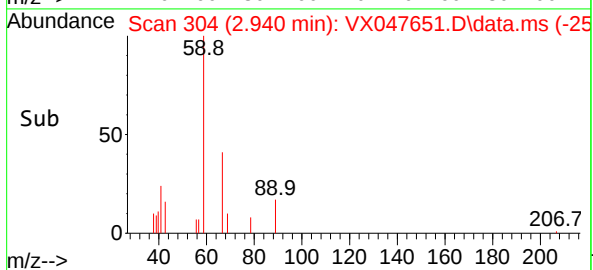
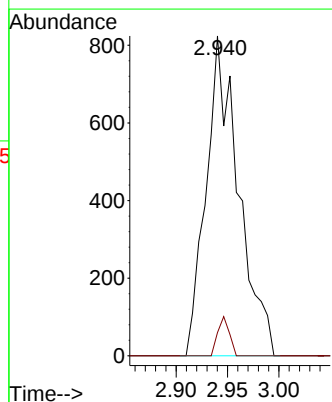
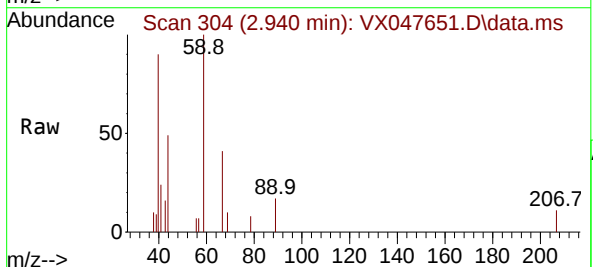
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

Tgt Ion:168 Resp: 159745
Ion Ratio Lower Upper
168 100
99 64.6 48.8 73.2



#11
Tert butyl alcohol
Concen: 6.349 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

Tgt Ion: 59 Resp: 1798
Ion Ratio Lower Upper
59 100
57 4.4 8.3 12.5#

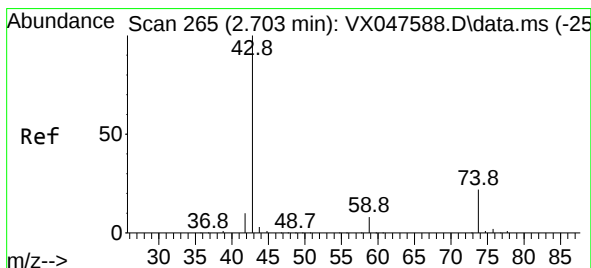
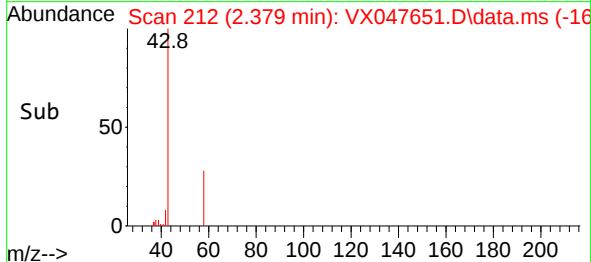
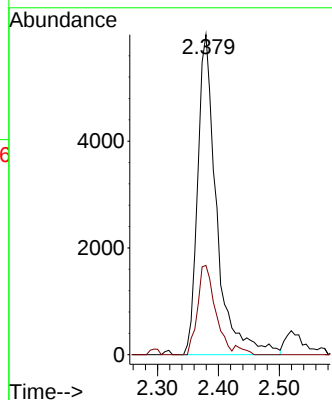
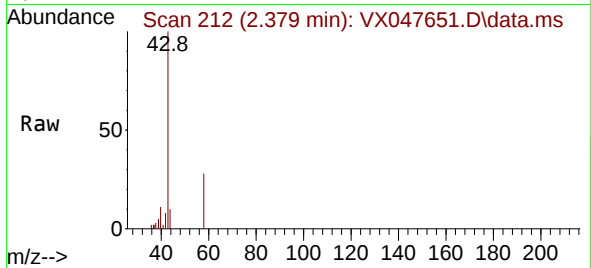




#16
Acetone
Concen: 11.706 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

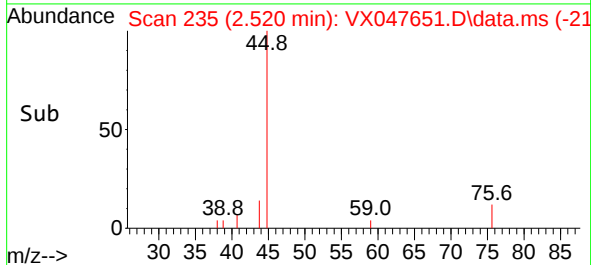
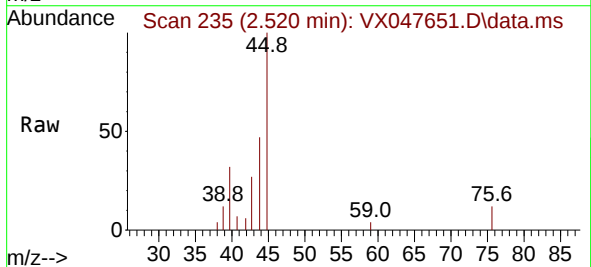
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

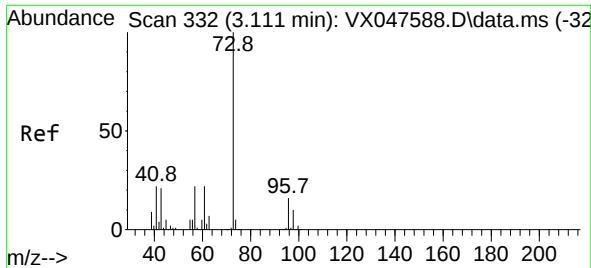
Tgt Ion: 43 Resp: 12942
Ion Ratio Lower Upper
43 100
58 25.3 23.4 35.0



#18
Methyl Acetate
Concen: 0.249 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.183 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

Tgt Ion: 43 Resp: 613
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

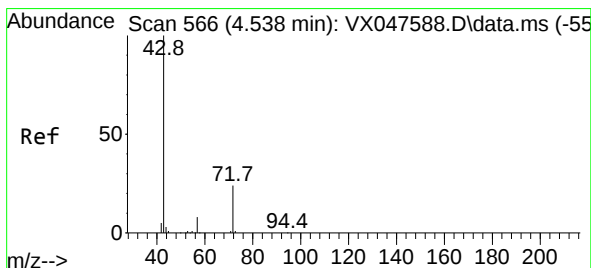
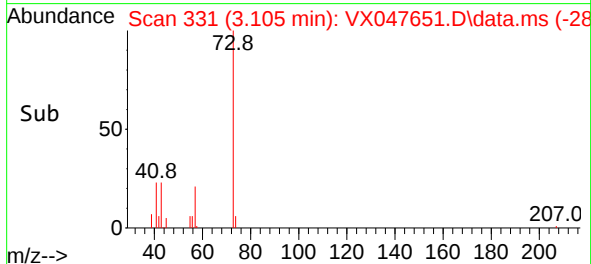
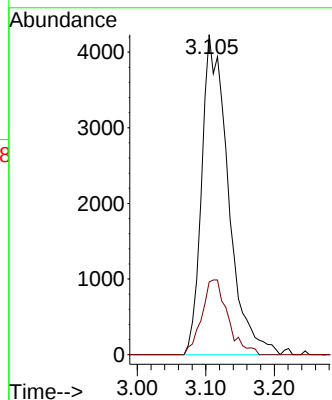
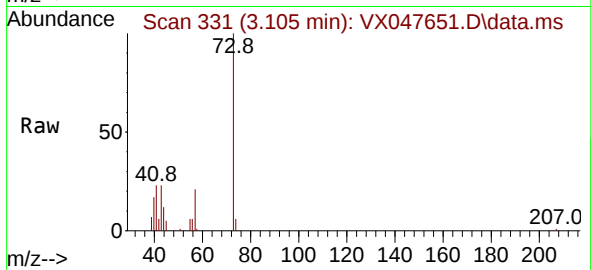




#19
Methyl tert-butyl Ether
Concen: 1.640 ug/l
RT: 3.105 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

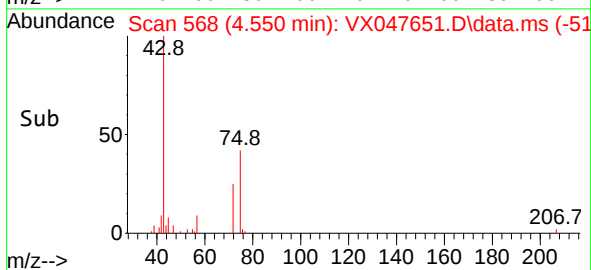
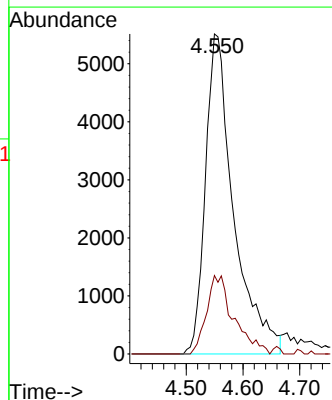
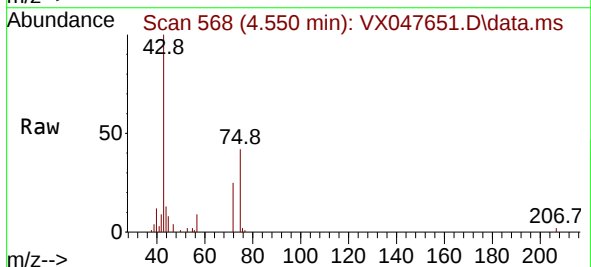
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

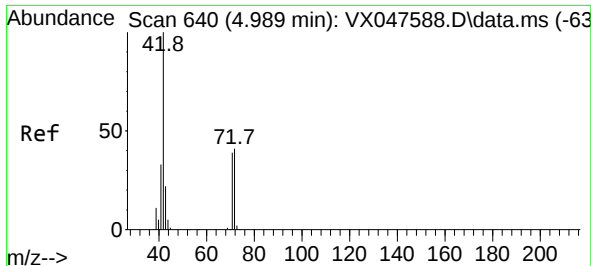
Tgt Ion: 73 Resp: 11362
Ion Ratio Lower Upper
73 100
57 22.7 17.4 26.2



#25
2-Butanone
Concen: 13.839 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

Tgt Ion: 43 Resp: 19085
Ion Ratio Lower Upper
43 100
72 24.5 20.1 30.1





#29

Tetrahydrofuran

Concen: 32.293 ug/l

RT: 4.995 min Scan# 640

Delta R.T. 0.006 min

Lab File: VX047651.D

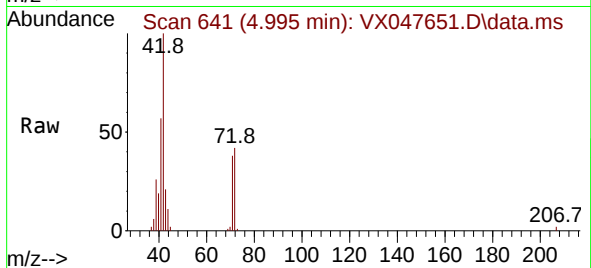
Acq: 18 Sep 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20250910



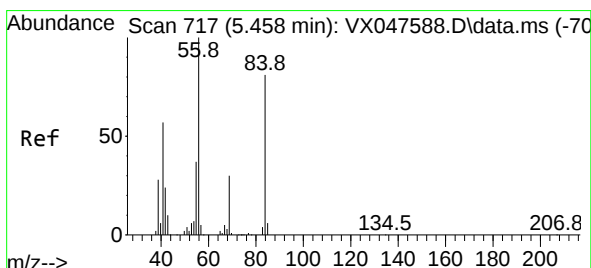
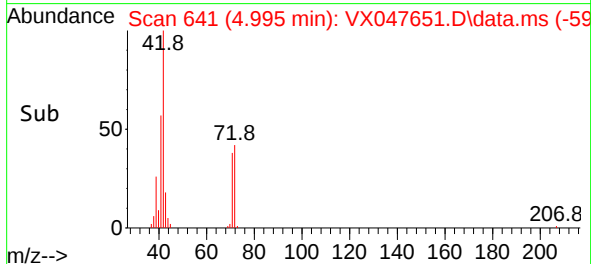
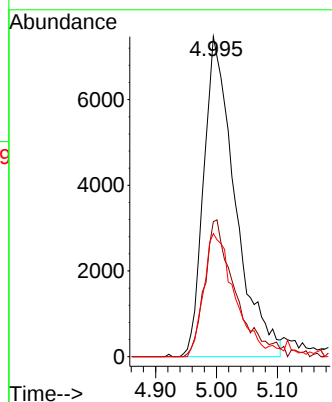
Tgt Ion: 42 Resp: 26791

Ion Ratio Lower Upper

42 100

72 42.0 34.2 51.2

71 37.8 31.9 47.9



#31

Cyclohexane

Concen: 0.993 ug/l

RT: 5.531 min Scan# 729

Delta R.T. 0.073 min

Lab File: VX047651.D

Acq: 18 Sep 2025 18:50

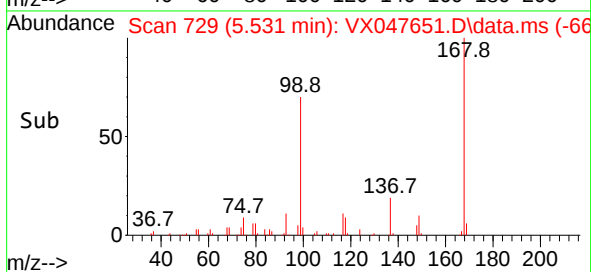
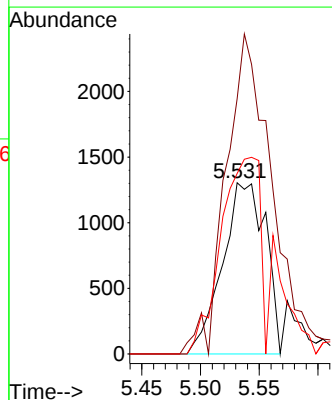
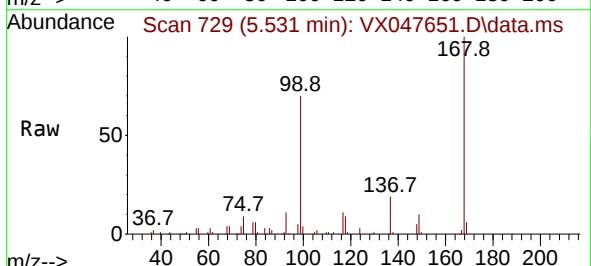
Tgt Ion: 56 Resp: 3335

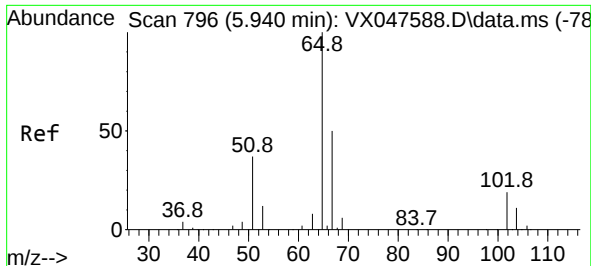
Ion Ratio Lower Upper

56 100

69 149.0 23.8 35.8#

84 105.4 64.6 97.0#

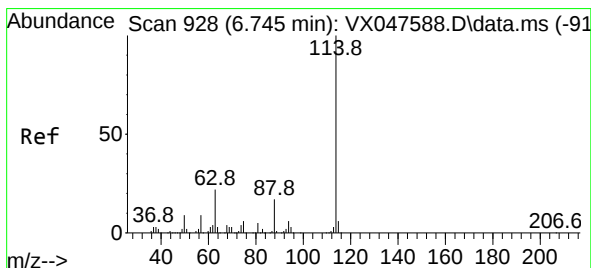
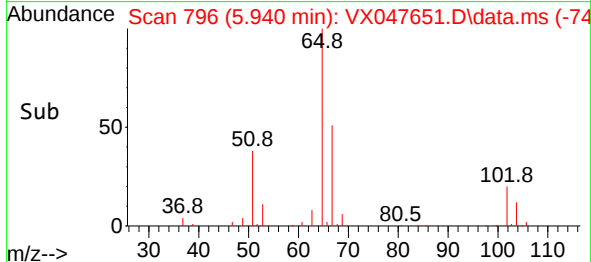
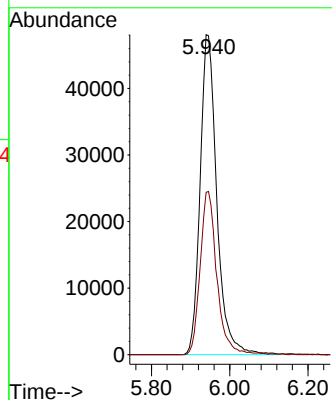
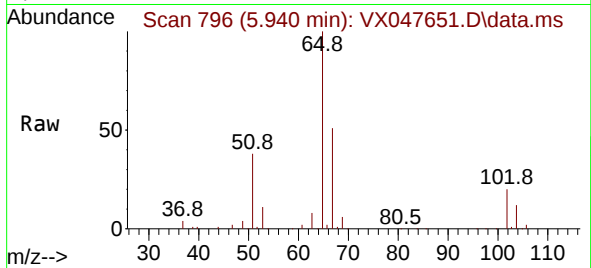




#33
 1,2-Dichloroethane-d4
 Concen: 56.010 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX047651.D
 Acq: 18 Sep 2025 18:50

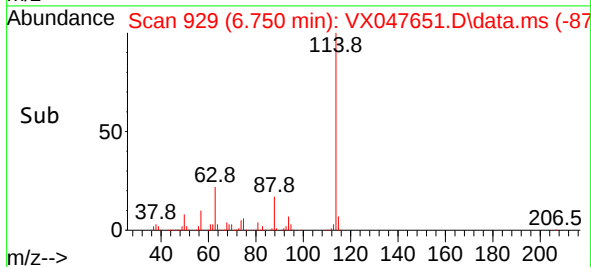
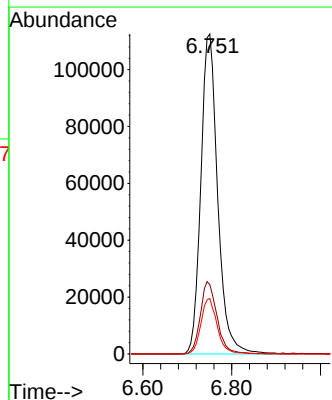
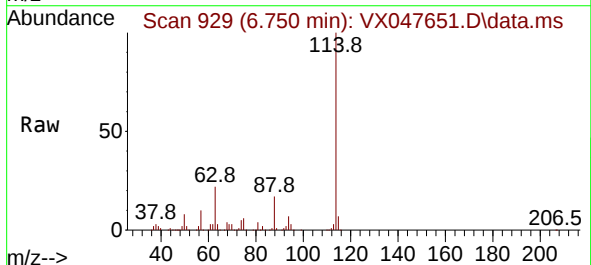
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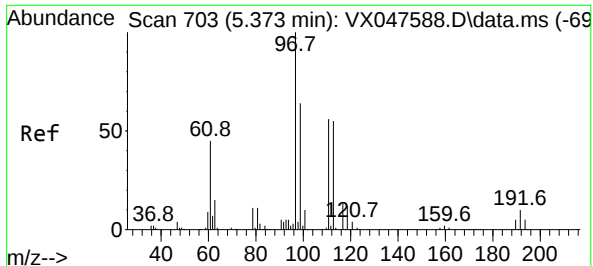
Tgt Ion: 65 Resp: 142419
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.750 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX047651.D
 Acq: 18 Sep 2025 18:50

Tgt Ion: 114 Resp: 297192
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 44.0
 88 17.3 0.0 34.2

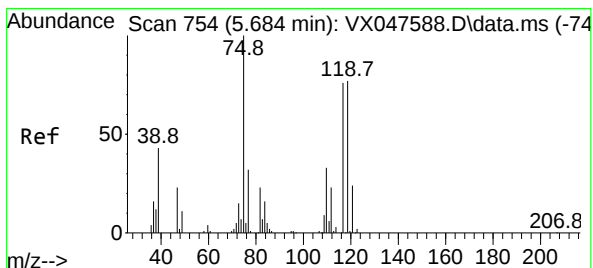
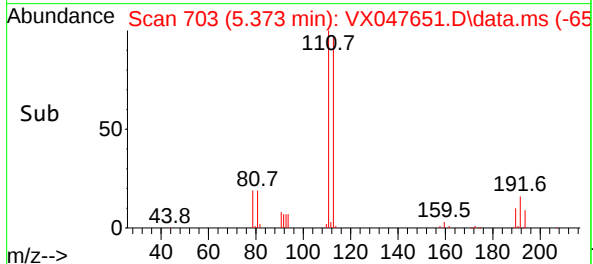
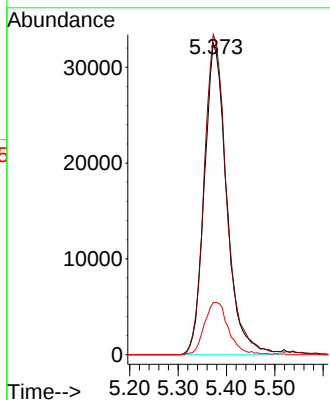
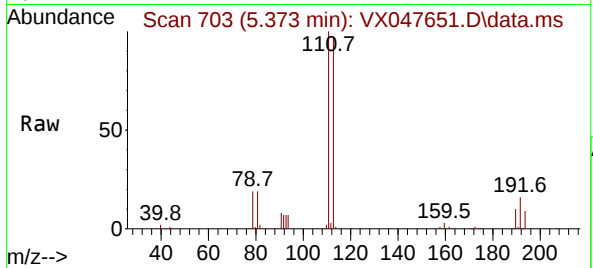




#35
Dibromofluoromethane
Concen: 52.457 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

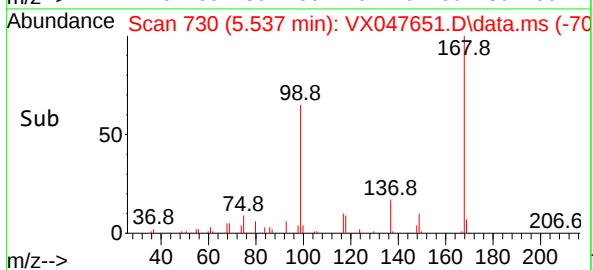
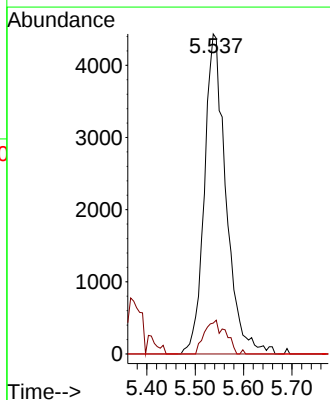
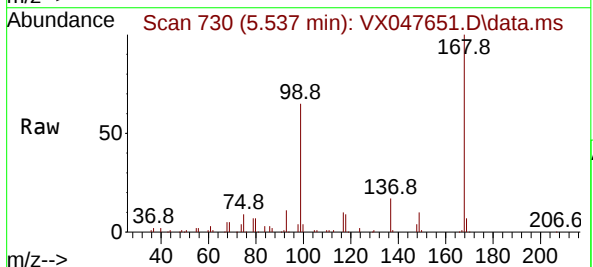
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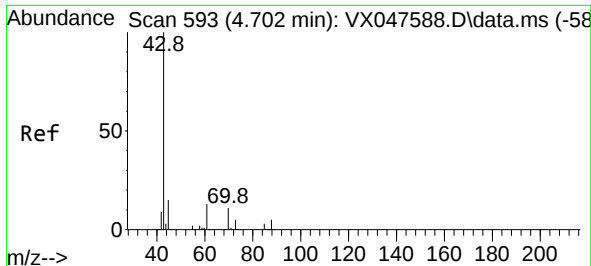
Tgt Ion:113 Resp: 104554
Ion Ratio Lower Upper
113 100
111 103.2 80.9 121.3
192 18.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.749 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.147 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

Tgt Ion: 75 Resp: 13831
Ion Ratio Lower Upper
75 100
110 10.1 16.7 50.1#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 6.120 ug/l

RT: 4.550 min Scan# 5

Delta R.T. -0.153 min

Lab File: VX047651.D

Acq: 18 Sep 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20250910

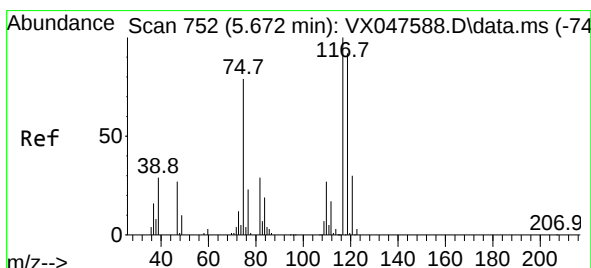
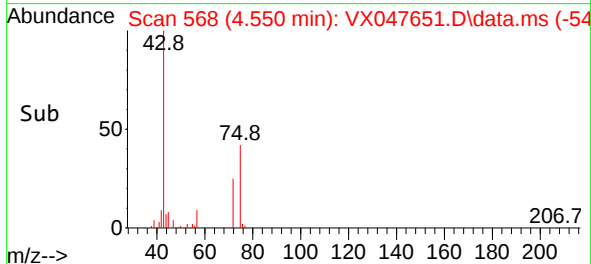
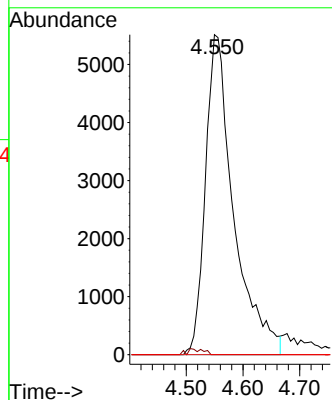
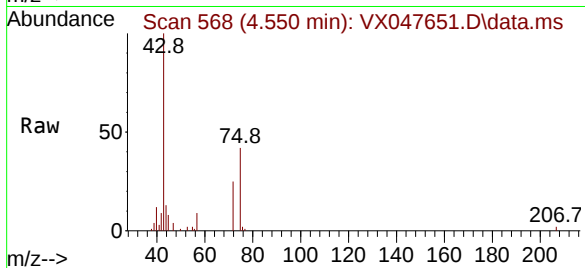
Tgt Ion: 43 Resp: 19085

Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.429 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX047651.D

Acq: 18 Sep 2025 18:50

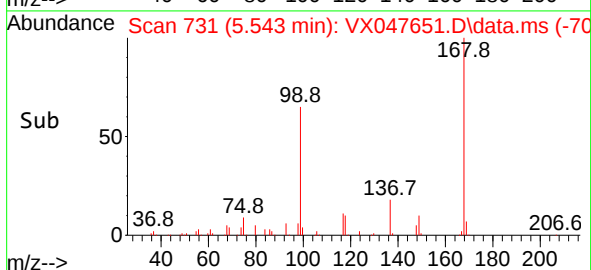
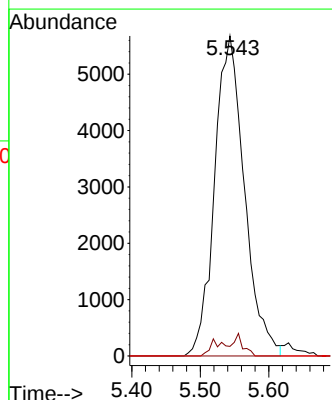
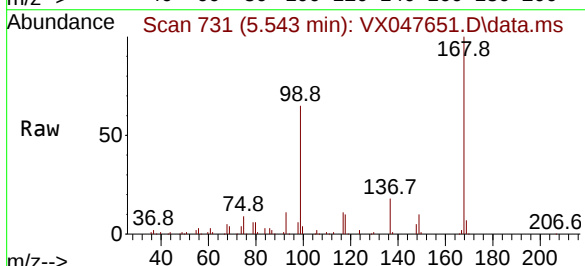
Tgt Ion: 117 Resp: 17179

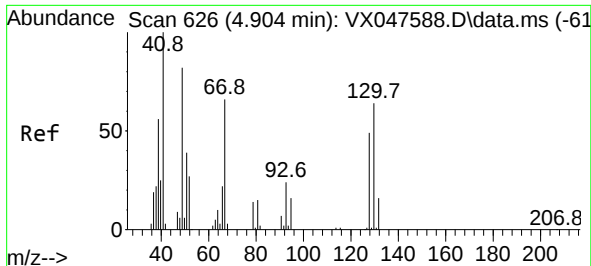
Ion Ratio Lower Upper

117 100

119 3.0 73.4 110.2#

121 0.0 23.8 35.6#

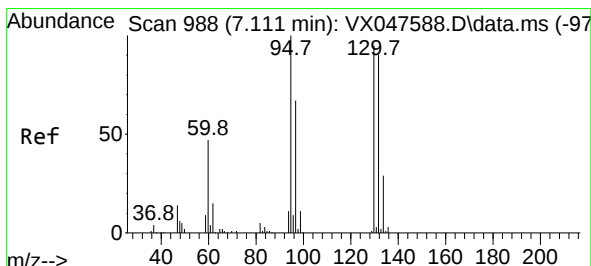
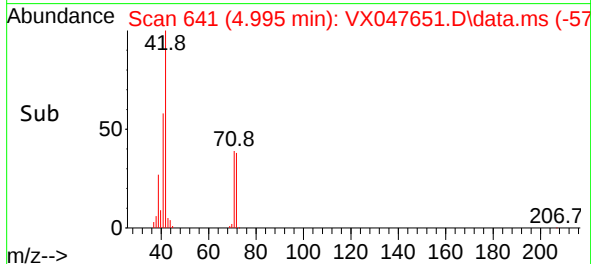
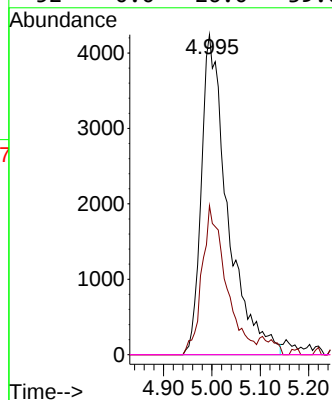
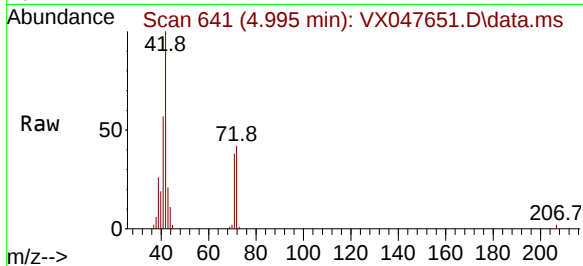




#41
Methacrylonitrile
Concen: 9.957 ug/l
RT: 4.995 min Scan# 641
Delta R.T. 0.091 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

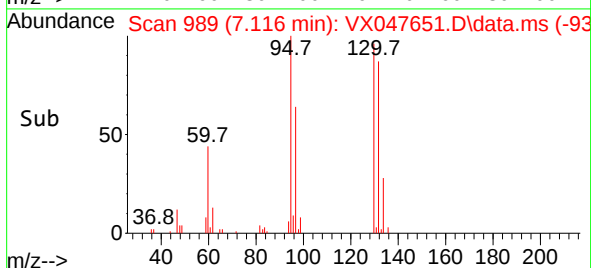
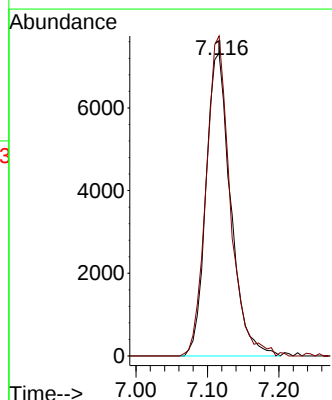
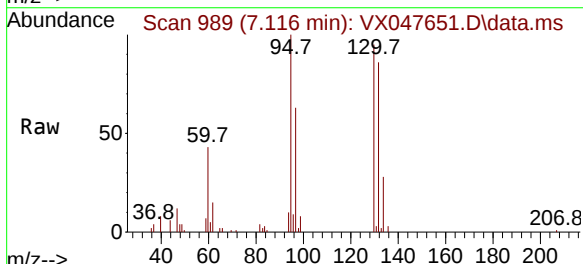
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

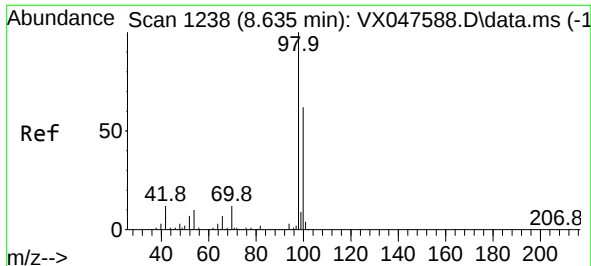
Tgt Ion: 41 Resp: 16030
Ion Ratio Lower Upper
41 100
39 42.8 43.3 64.9#
67 0.0 58.6 87.8#
52 0.0 26.0 39.0#



#44
Trichloroethene
Concen: 8.211 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

Tgt Ion:130 Resp: 17559
Ion Ratio Lower Upper
130 100
95 105.6 0.0 210.8

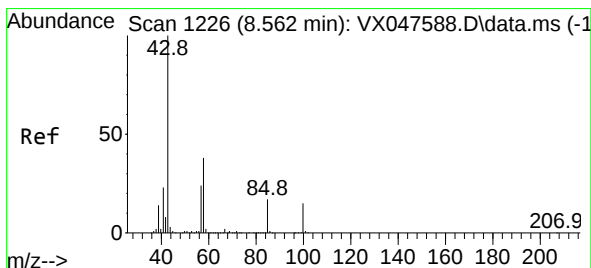
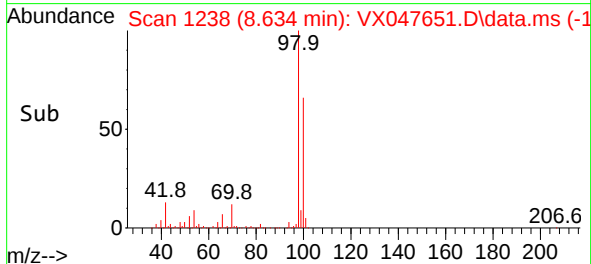
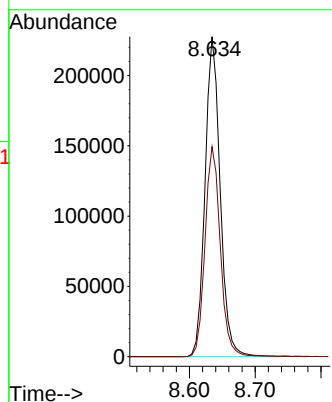
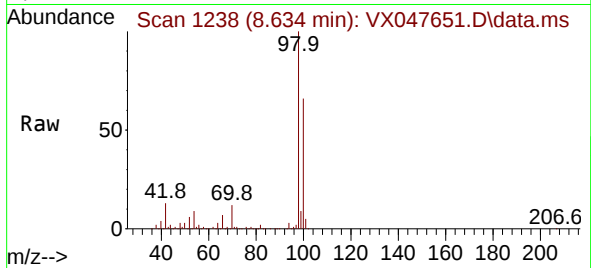




#50
Toluene-d8
Concen: 52.903 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

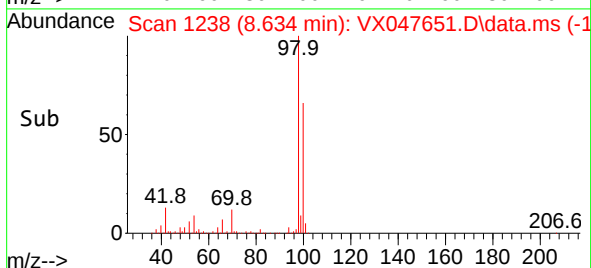
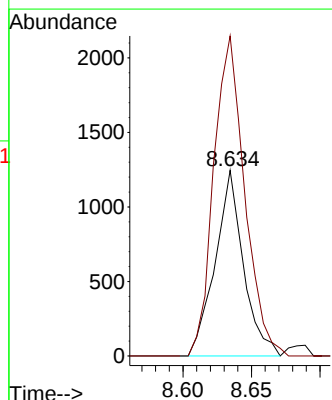
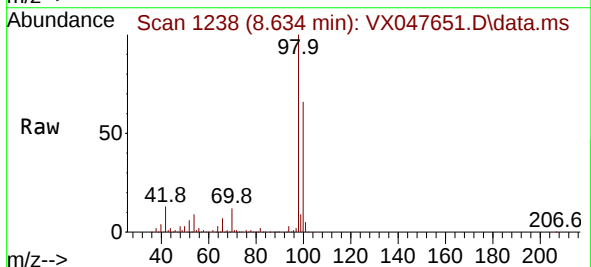
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

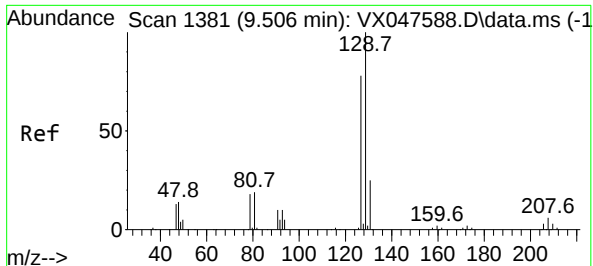
Tgt Ion: 98 Resp: 364854
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.629 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. 0.073 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

Tgt Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
58 188.9 30.3 45.5#

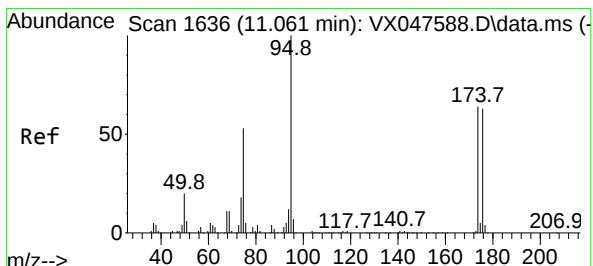
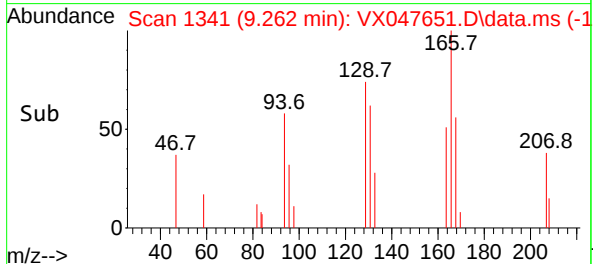
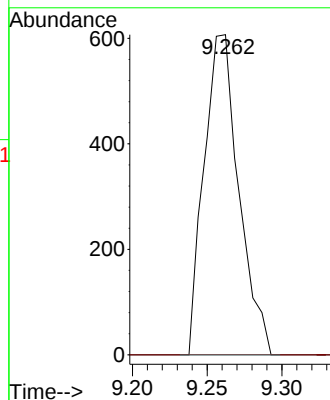
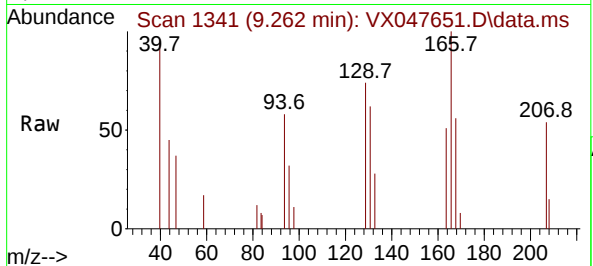




#60
Dibromochloromethane
Concen: 0.406 ug/l
RT: 9.262 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

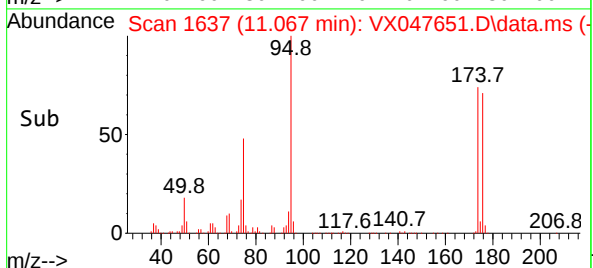
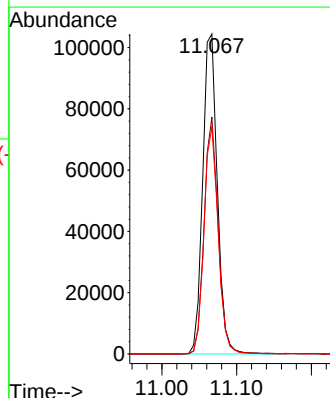
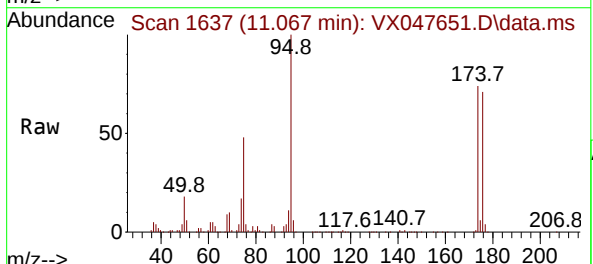
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

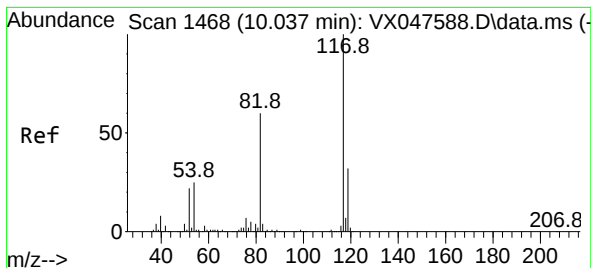
Tgt Ion:129 Resp: 983
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 54.260 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

Tgt Ion: 95 Resp: 142019
Ion Ratio Lower Upper
95 100
174 71.4 0.0 141.6
176 68.6 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047651.D

Acq: 18 Sep 2025 18:50

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20250910

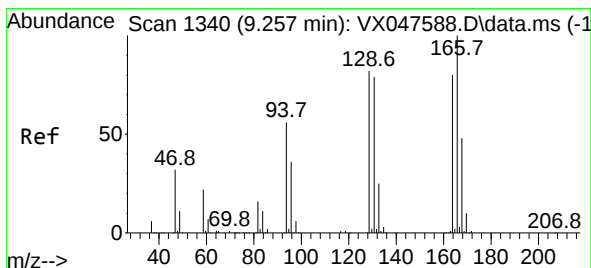
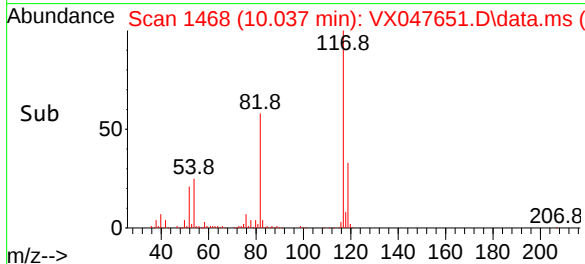
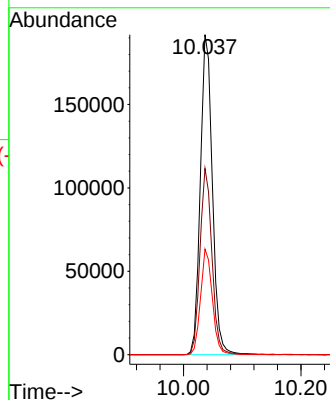
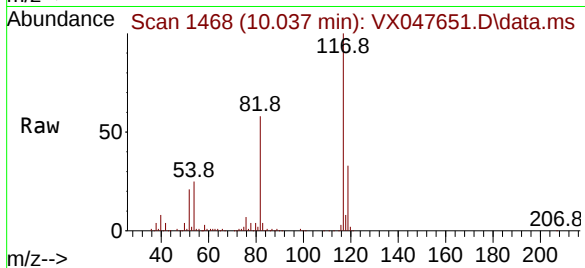
Tgt Ion:117 Resp: 273565

Ion Ratio Lower Upper

117 100

82 58.2 47.8 71.6

119 33.0 25.2 37.8



#64

Tetrachloroethene

Concen: 0.470 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VX047651.D

Acq: 18 Sep 2025 18:50

Tgt Ion:164 Resp: 839

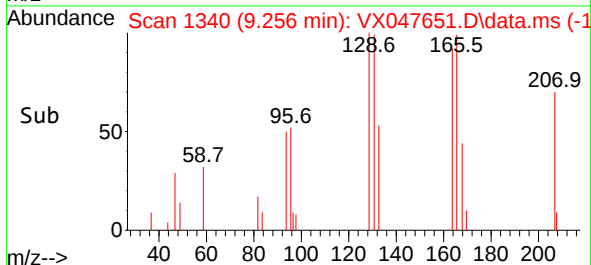
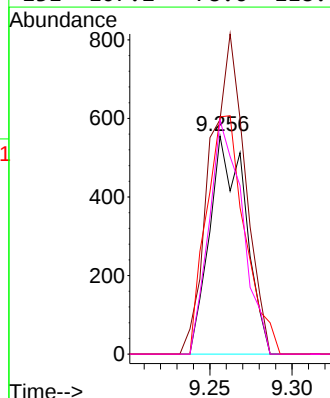
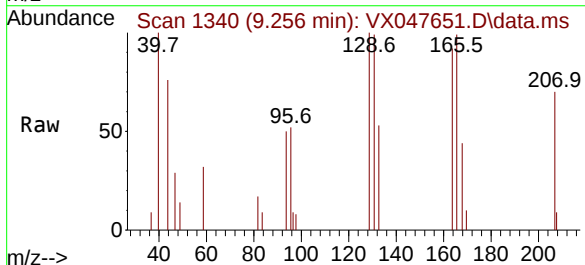
Ion Ratio Lower Upper

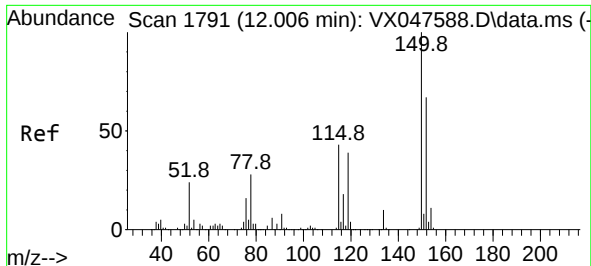
164 100

166 107.6 100.2 150.2

129 108.8 81.8 122.6

131 107.2 78.6 118.0

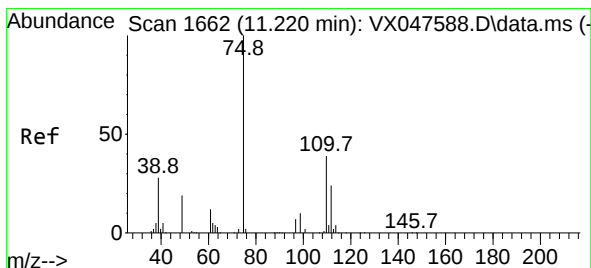
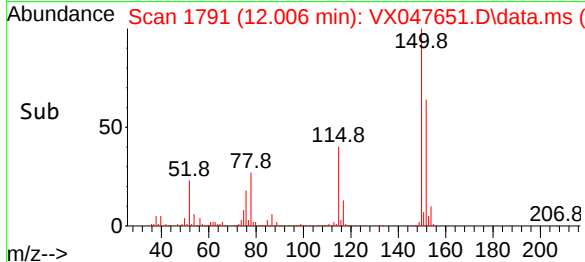
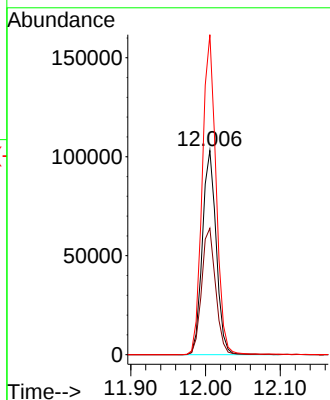
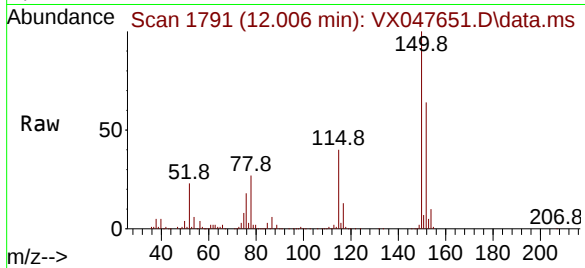




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

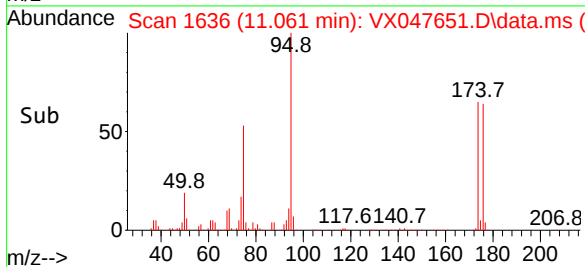
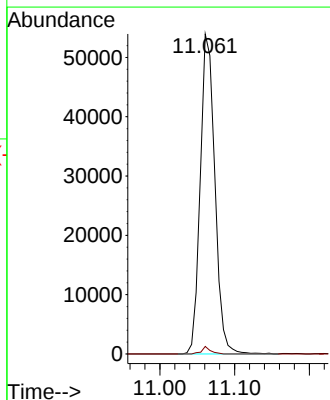
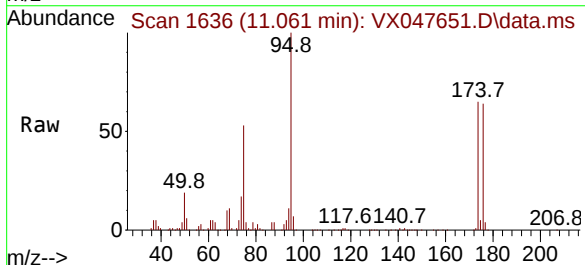
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250910

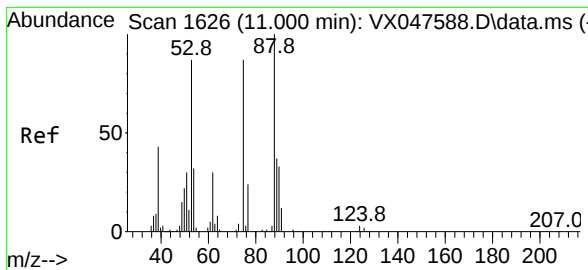
Tgt Ion:152 Resp: 132699
Ion Ratio Lower Upper
152 100
115 62.6 44.9 134.5
150 156.0 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 27.307 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047651.D
Acq: 18 Sep 2025 18:50

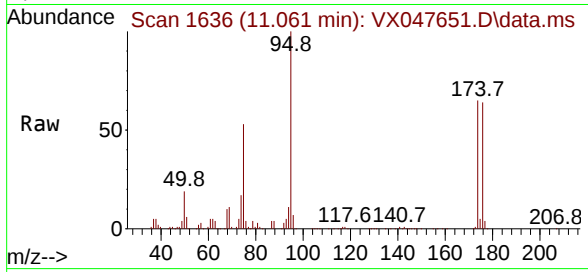
Tgt Ion: 75 Resp: 73367
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.637 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047651.D
 Acq: 18 Sep 2025 18:50

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20250910



Tgt Ion: 75 Resp: 73367
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

