

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100125\
 Data File : VX047941.D
 Acq On : 01 Oct 2025 15:30
 Operator : JC/MD
 Sample : Q3193-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW203D-20250923

Quant Time: Oct 03 01:24:15 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)

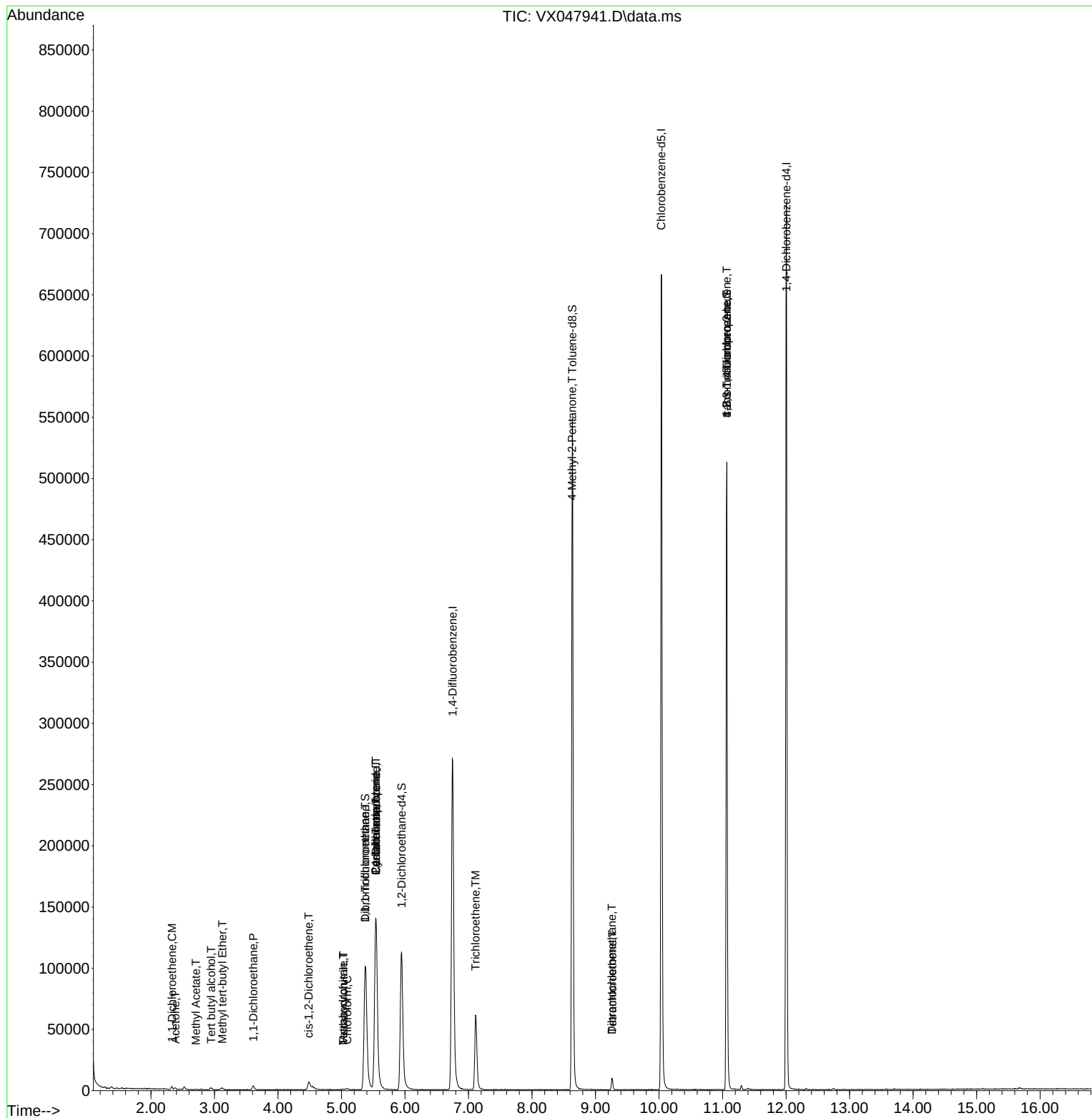
Internal Standards						
1) Pentafluorobenzene	5.544	168	142268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	297268	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	304101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	122524	54.105	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.220%
35) Dibromofluoromethane	5.373	113	99694	50.006	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.020%
50) Toluene-d8	8.635	98	336034	48.712	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.420%
62) 4-Bromofluorobenzene	11.067	95	144029	55.014	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	469	1.860	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	897	0.531	ug/l	79
16) Acetone	2.386	43	1883	1.912	ug/l #	82
18) Methyl Acetate	2.709	43	507	0.231	ug/l #	54
19) Methyl tert-butyl Ether	3.123	73	1953	0.317	ug/l	92
24) 1,1-Dichloroethane	3.611	63	4216	1.173	ug/l #	85
27) cis-1,2-Dichloroethene	4.483	96	4851	2.177	ug/l	88
29) Tetrahydrofuran	5.025	42	603	0.816	ug/l #	45
30) Chloroform	5.093	83	1166	0.321	ug/l	97
31) Cyclohexane	5.544	56	3330	1.113	ug/l #	3
32) 1,1,1-Trichloroethane	5.373	97	1309	0.425	ug/l #	48
36) 1,1-Dichloropropene	5.544	75	12364	4.244	ug/l #	51
38) Carbon Tetrachloride	5.544	117	15402	4.866	ug/l #	18
41) Methacrylonitrile	5.032	41	324	0.201	ug/l #	35
44) Trichloroethene	7.110	130	26386	12.335	ug/l	93
51) 4-Methyl-2-Pentanone	8.629	43	1542	0.544	ug/l #	1
60) Dibromochloromethane	9.256	129	1972	0.814	ug/l #	11
64) Tetrachloroethene	9.263	164	1731	0.873	ug/l	91
76) 1,2,3-Trichloropropane	11.067	75	74973	24.516	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	74973	62.518	ug/l #	8

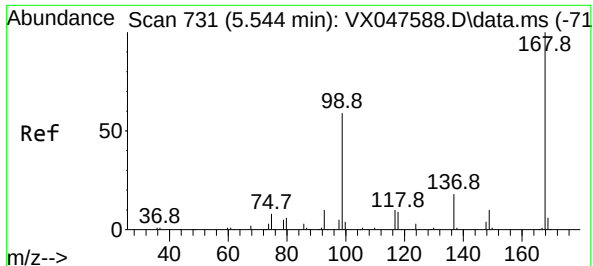
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
MW203D-20250923

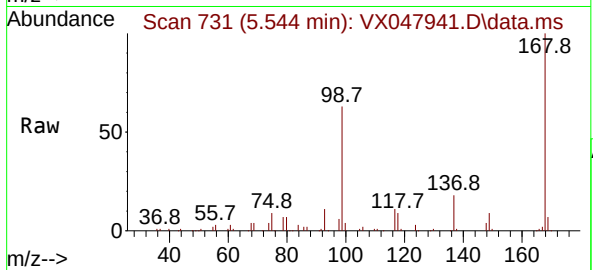
Quant Time: Oct 03 01:24:15 2025
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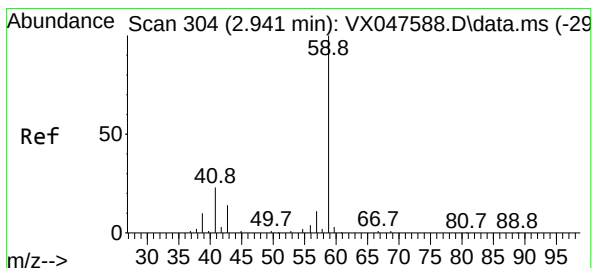
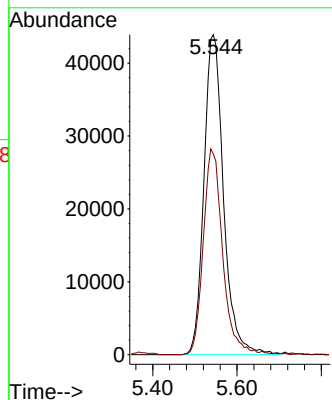
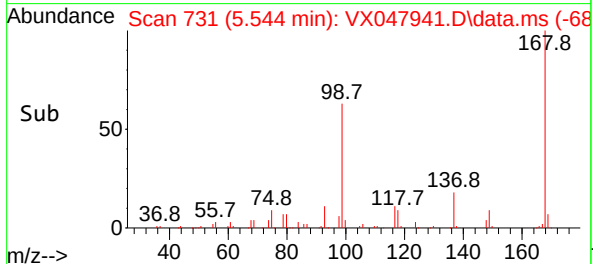


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

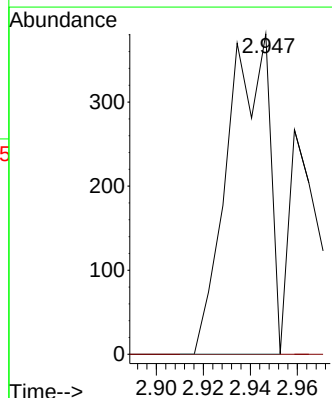
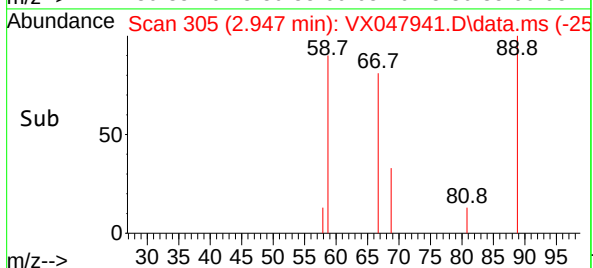
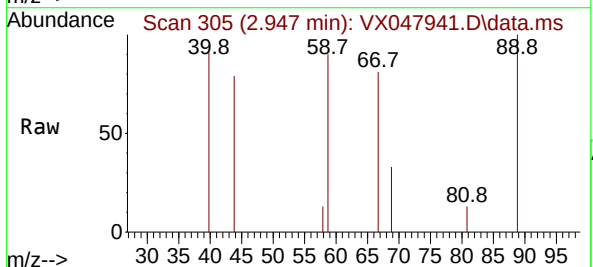


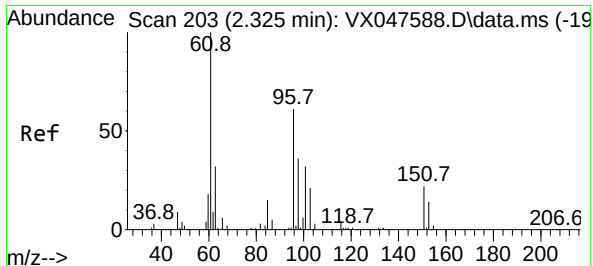
Tgt Ion:168 Resp: 142268
Ion Ratio Lower Upper
168 100
99 62.7 48.8 73.2



#11
Tert butyl alcohol
Concen: 1.860 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 59 Resp: 469
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

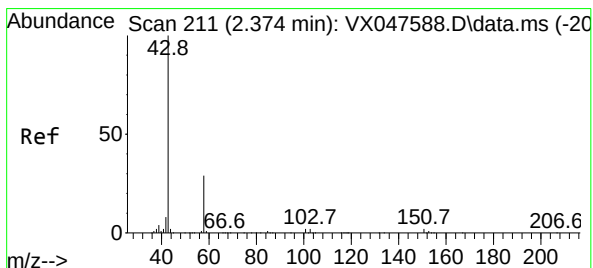
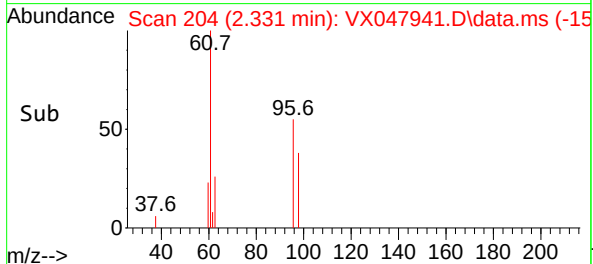
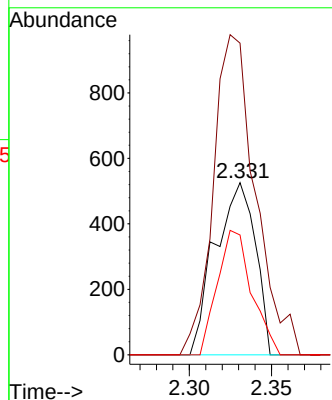
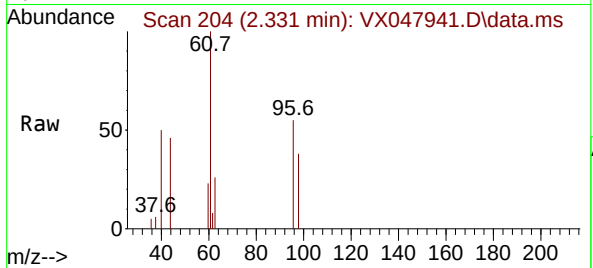




#12
1,1-Dichloroethene
Concen: 0.531 ug/l
RT: 2.331 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

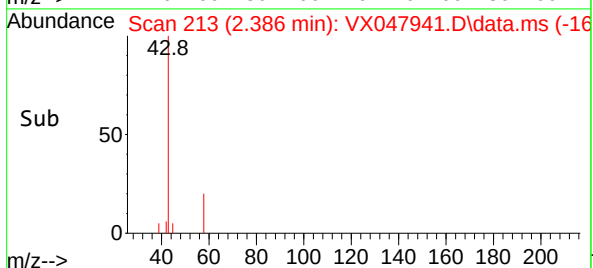
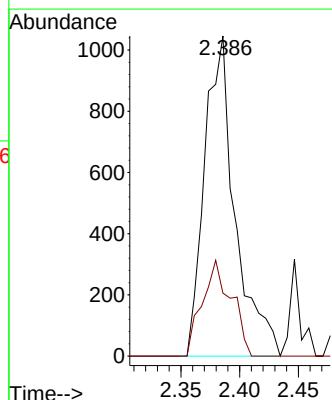
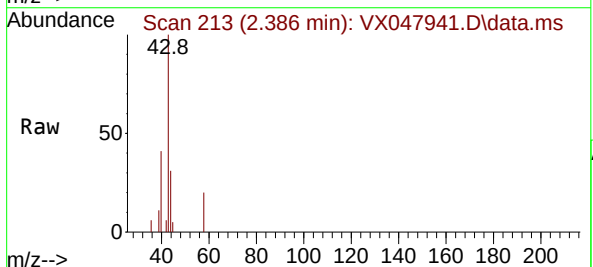
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

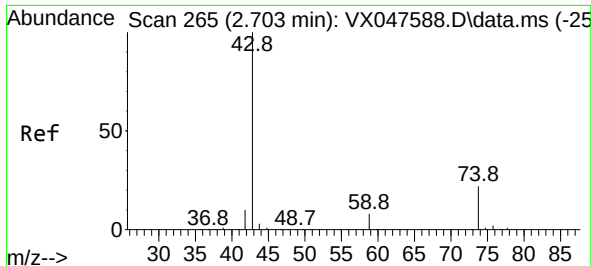
Tgt Ion: 96 Resp: 897
Ion Ratio Lower Upper
96 100
61 195.4 131.0 196.6
98 69.6 47.7 71.5



#16
Acetone
Concen: 1.912 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 43 Resp: 1883
Ion Ratio Lower Upper
43 100
58 19.7 23.4 35.0#

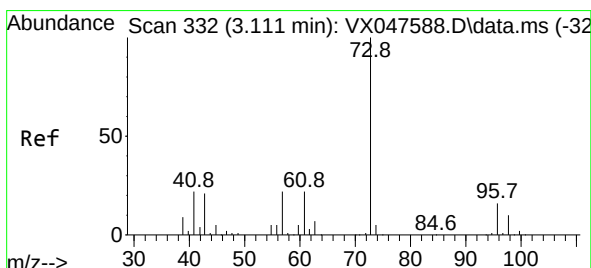
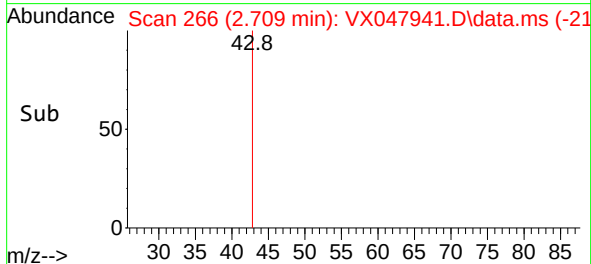
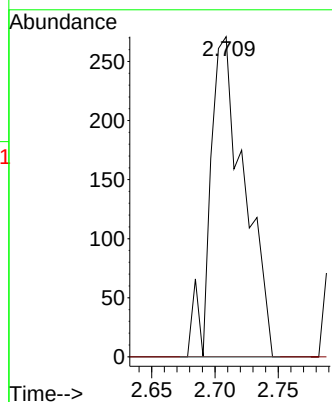
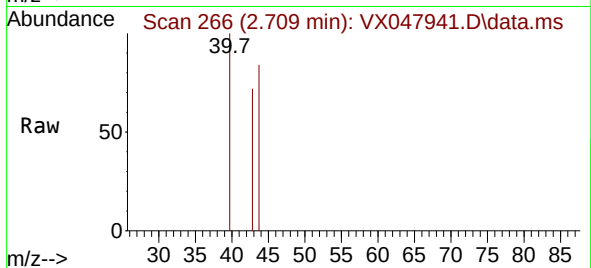




#18
Methyl Acetate
Concen: 0.231 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

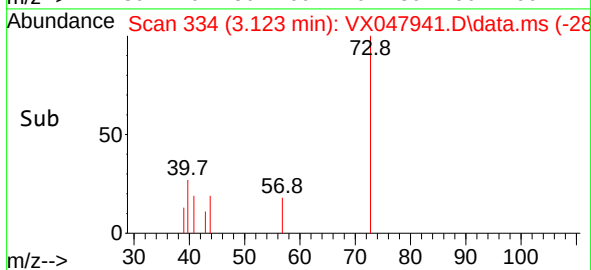
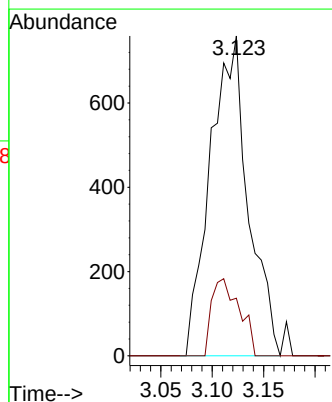
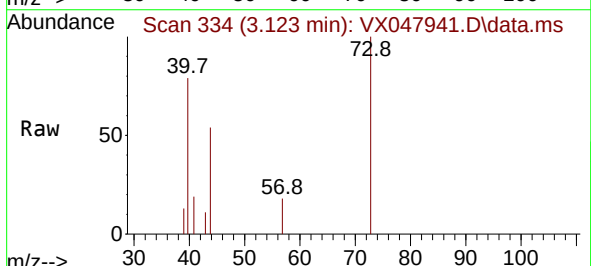
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

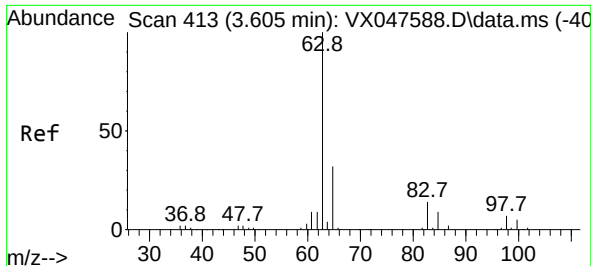
Tgt Ion: 43 Resp: 507
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#19
Methyl tert-butyl Ether
Concen: 0.317 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.012 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 73 Resp: 1953
Ion Ratio Lower Upper
73 100
57 18.1 17.4 26.2

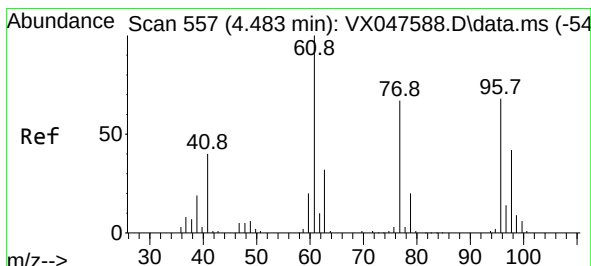
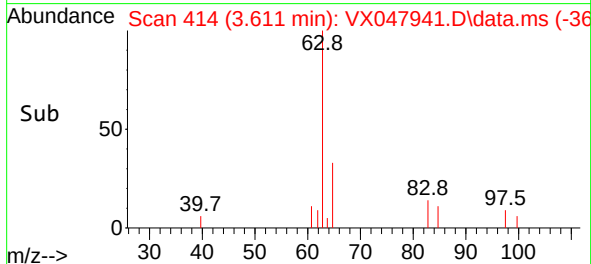
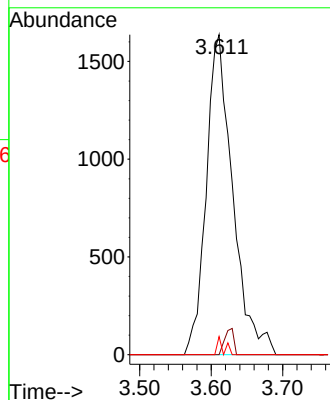
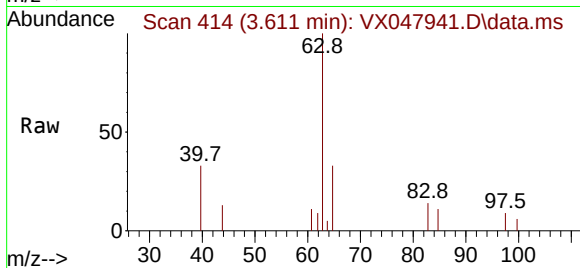




#24
1,1-Dichloroethane
Concen: 1.173 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

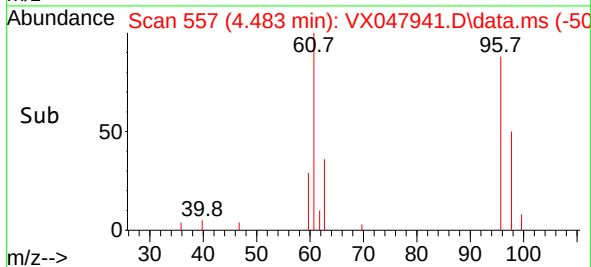
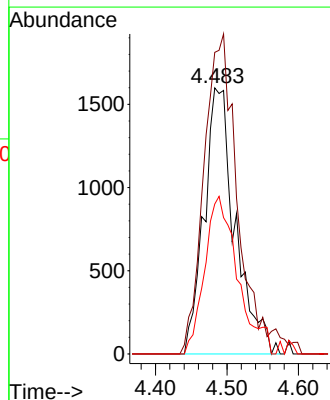
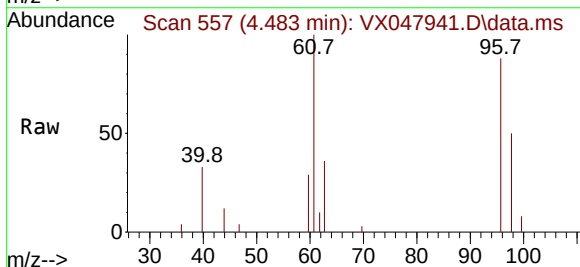
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

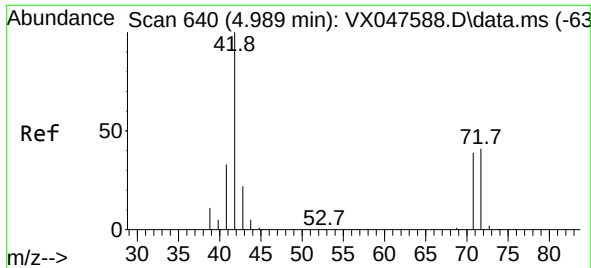
Tgt Ion: 63 Resp: 4216
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 5.7 2.3 6.9



#27
cis-1,2-Dichloroethene
Concen: 2.177 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 96 Resp: 4851
Ion Ratio Lower Upper
96 100
61 131.1 0.0 303.2
98 62.6 0.0 127.8





#29

Tetrahydrofuran

Concen: 0.816 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX047941.D

Acq: 01 Oct 2025 15:30

Instrument :

MSVOA_X

ClientSampleId :

MW203D-20250923

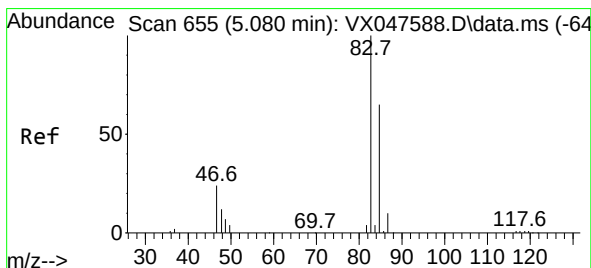
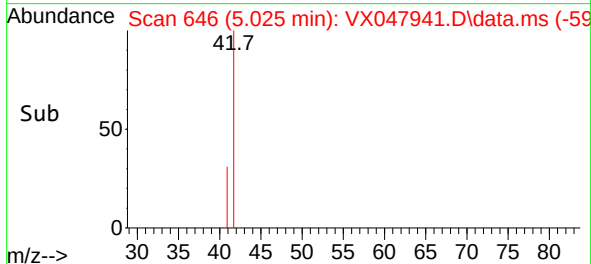
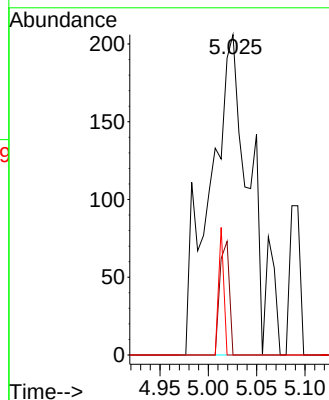
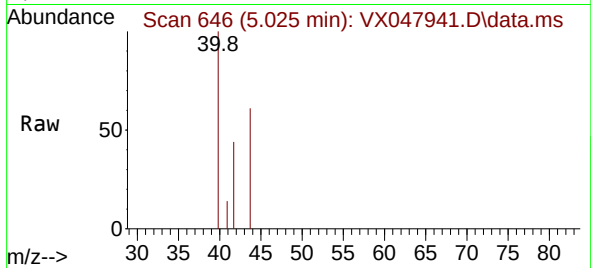
Tgt Ion: 42 Resp: 603

Ion Ratio Lower Upper

42 100

72 8.1 34.2 51.2#

71 5.0 31.9 47.9#



#30

Chloroform

Concen: 0.321 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX047941.D

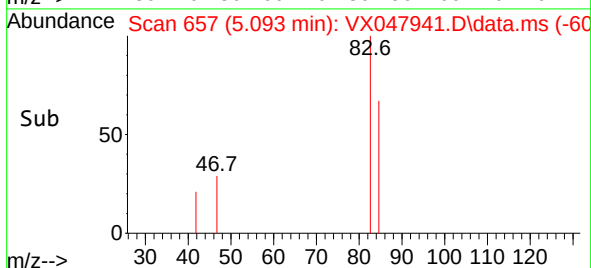
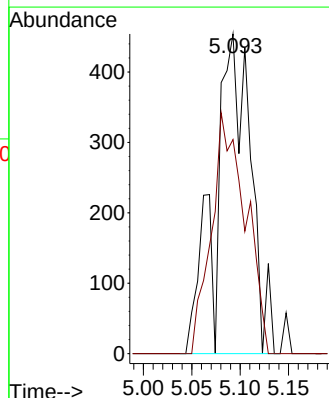
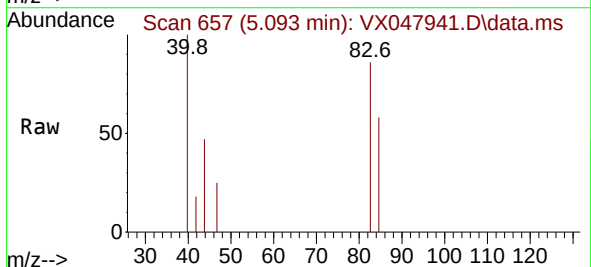
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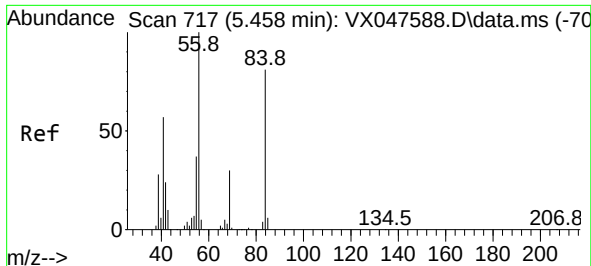
Tgt Ion: 83 Resp: 1166

Ion Ratio Lower Upper

83 100

85 67.0 51.8 77.6

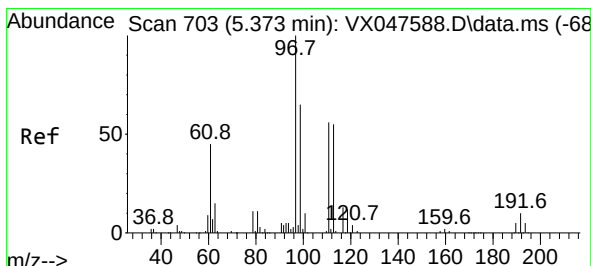
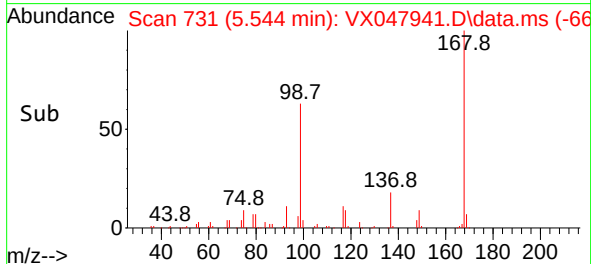
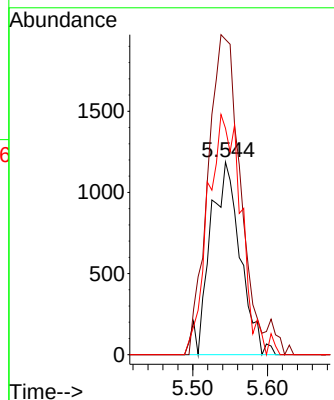
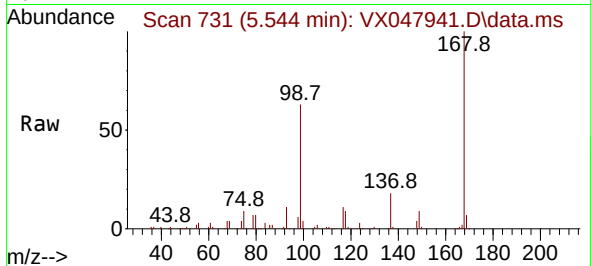




#31
Cyclohexane
Concen: 1.113 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

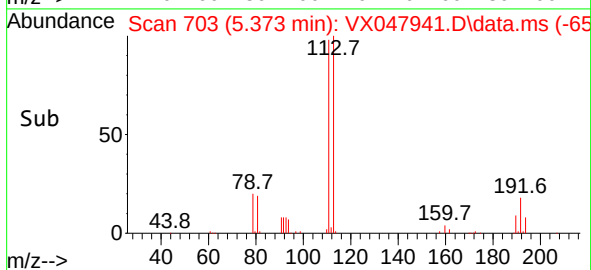
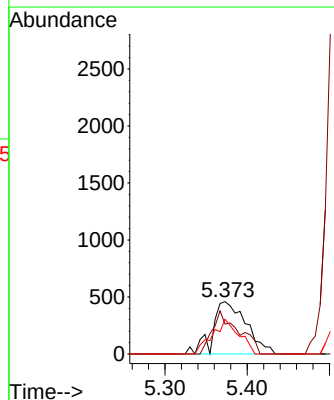
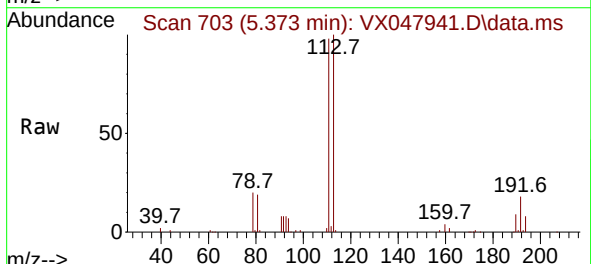
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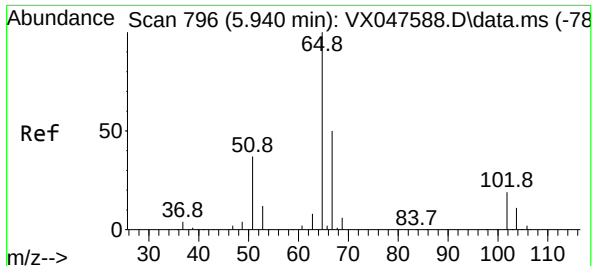
Tgt Ion: 56 Resp: 3330
Ion Ratio Lower Upper
56 100
69 163.6 23.8 35.8#
84 117.5 64.6 97.0#



#32
1,1,1-Trichloroethane
Concen: 0.425 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 97 Resp: 1309
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 52.0 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 54.105 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047941.D

Acq: 01 Oct 2025 15:30

Instrument :

MSVOA_X

ClientSampleId :

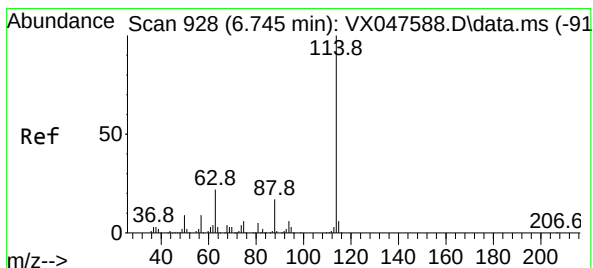
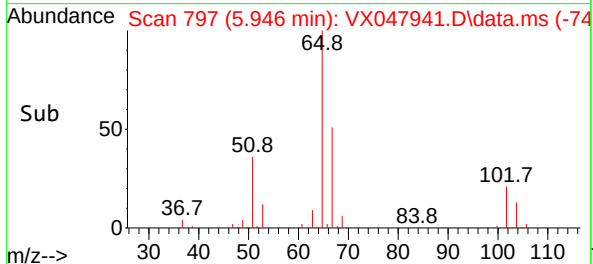
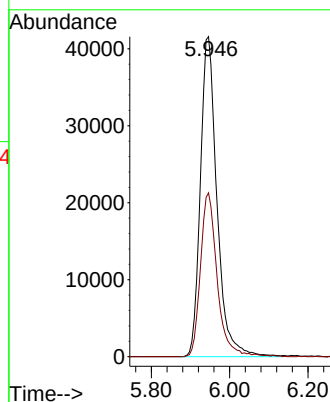
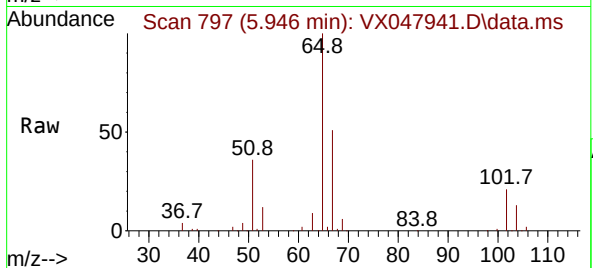
MW203D-20250923

Tgt Ion: 65 Resp: 122524

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047941.D

Acq: 01 Oct 2025 15:30

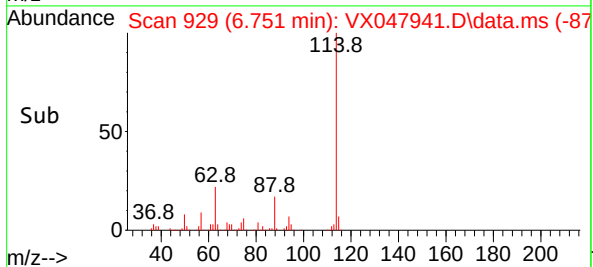
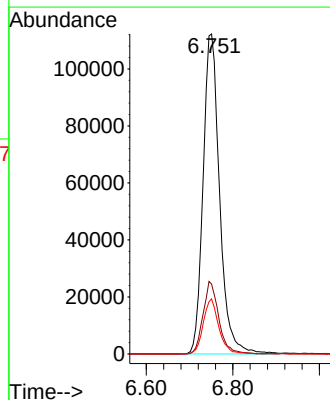
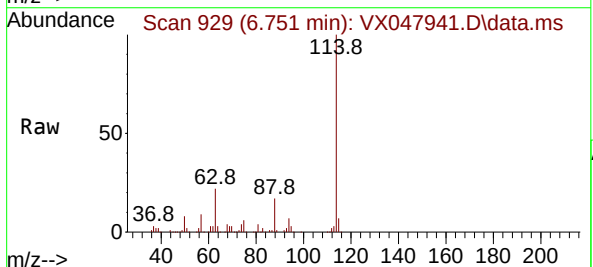
Tgt Ion: 114 Resp: 297268

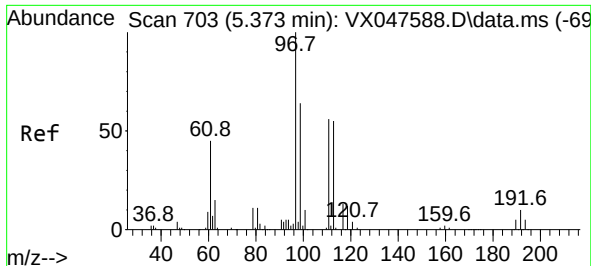
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.0

88 17.2 0.0 34.2

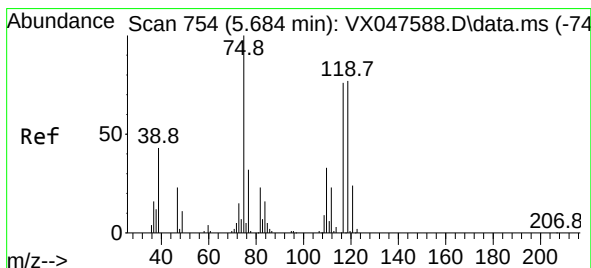
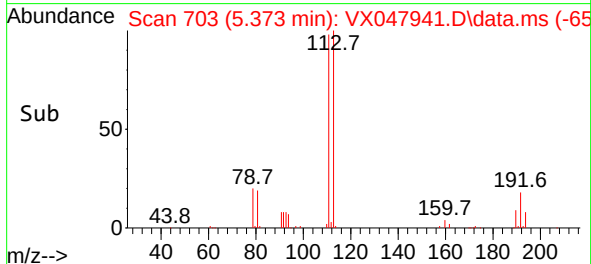
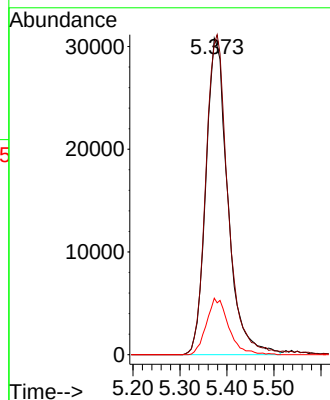
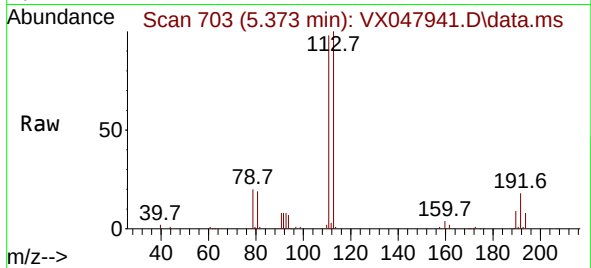




#35
Dibromofluoromethane
Concen: 50.006 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

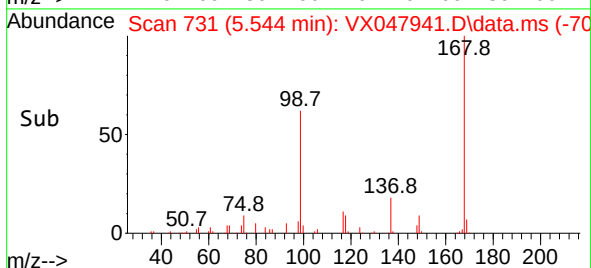
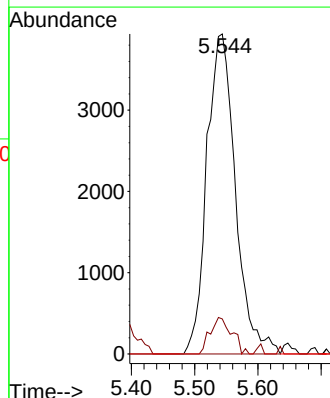
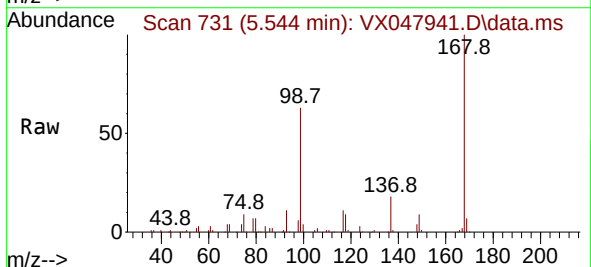
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

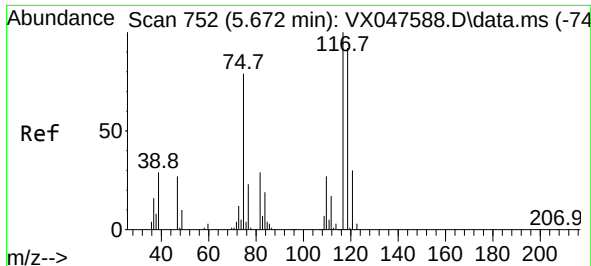
Tgt Ion:113 Resp: 99694
Ion Ratio Lower Upper
113 100
111 103.0 80.9 121.3
192 18.2 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.244 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 75 Resp: 12364
Ion Ratio Lower Upper
75 100
110 8.7 16.7 50.1#
77 0.0 24.3 36.5#

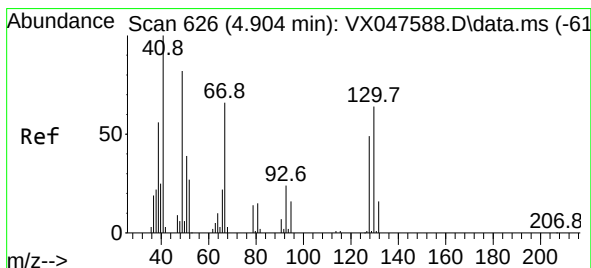
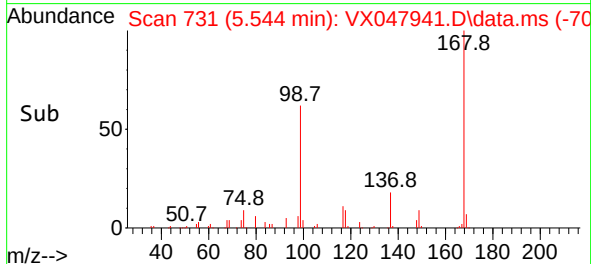
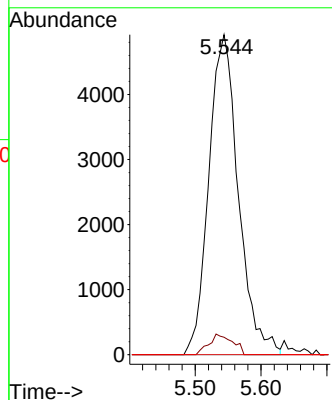
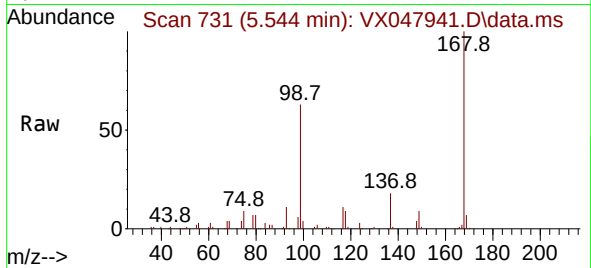




#38
Carbon Tetrachloride
Concen: 4.866 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

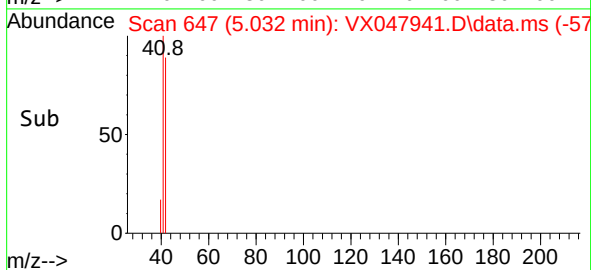
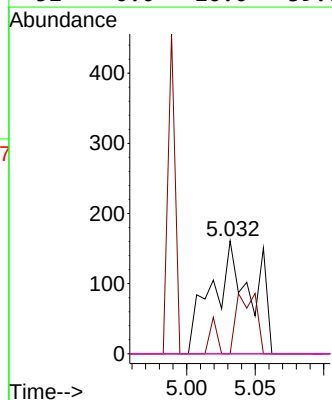
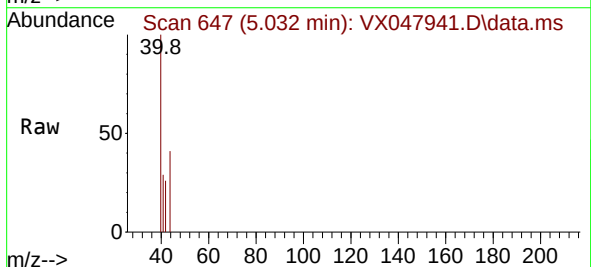
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

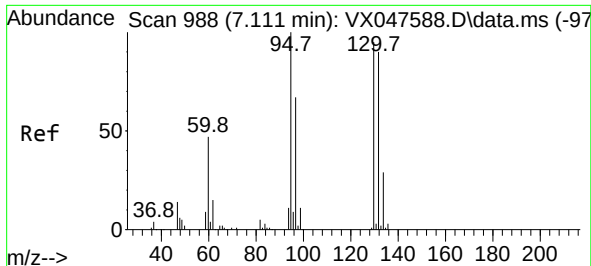
Tgt Ion:117 Resp: 15402
Ion Ratio Lower Upper
117 100
119 5.4 73.4 110.2#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 0.201 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.128 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 41 Resp: 324
Ion Ratio Lower Upper
41 100
39 26.9 43.3 64.9#
67 0.0 58.6 87.8#
52 0.0 26.0 39.0#

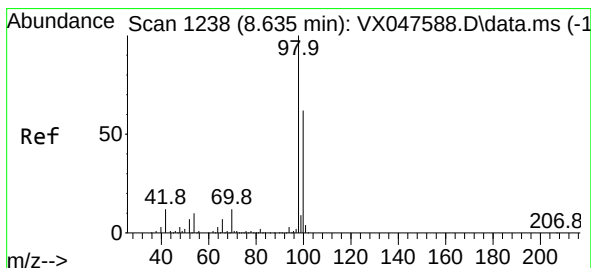
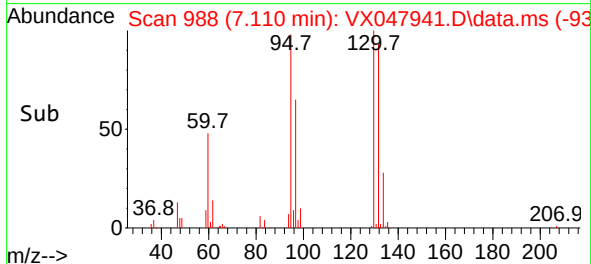
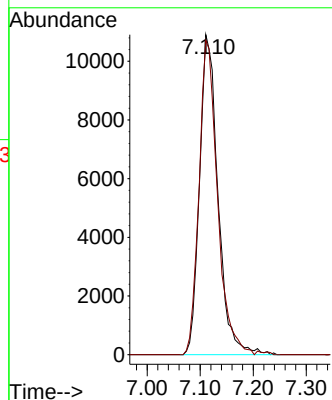
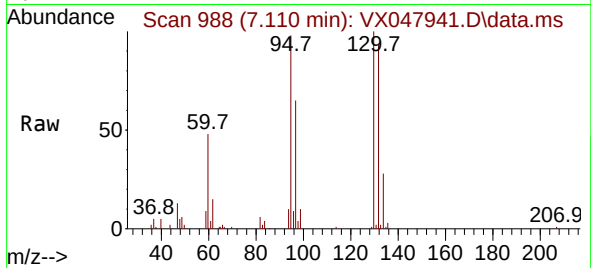




#44
Trichloroethene
Concen: 12.335 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

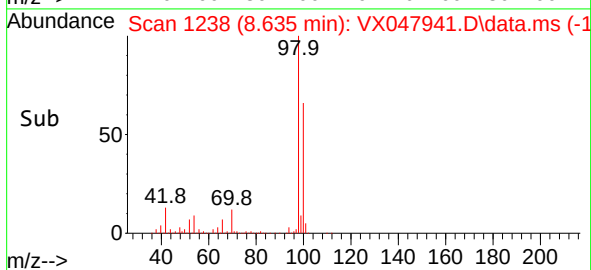
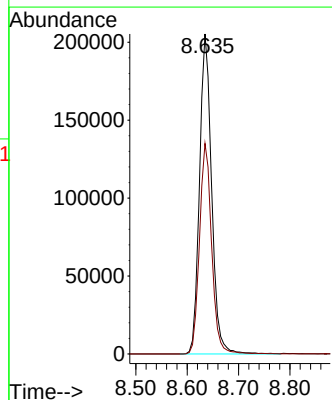
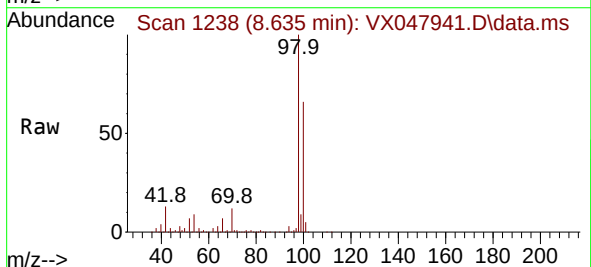
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

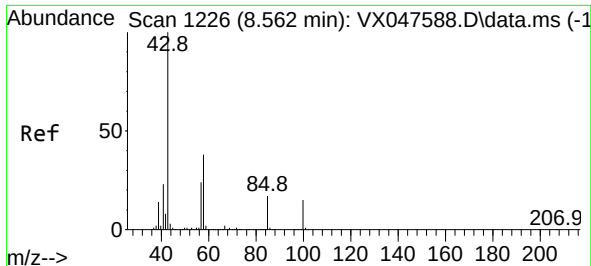
Tgt Ion:130 Resp: 26386
Ion Ratio Lower Upper
130 100
95 98.2 0.0 210.8



#50
Toluene-d8
Concen: 48.712 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 98 Resp: 336034
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4

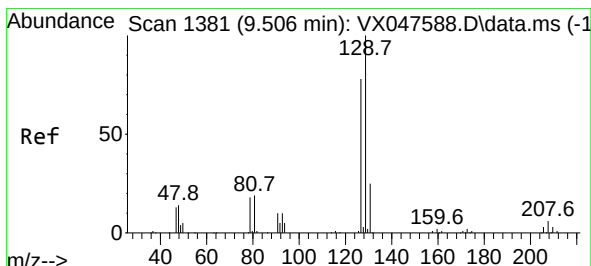
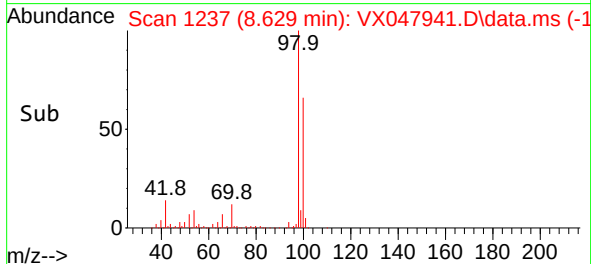
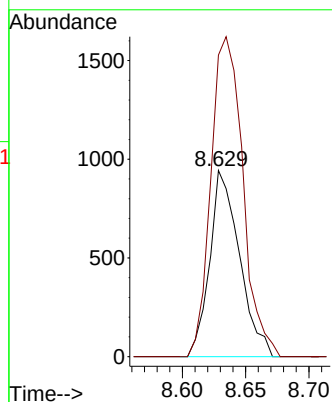
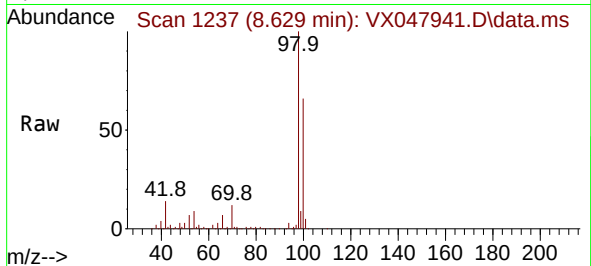




#51
4-Methyl-2-Pentanone
Concen: 0.544 ug/l
RT: 8.629 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

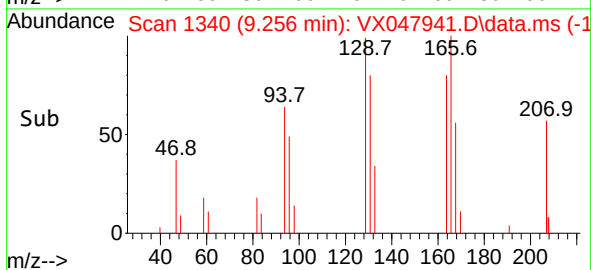
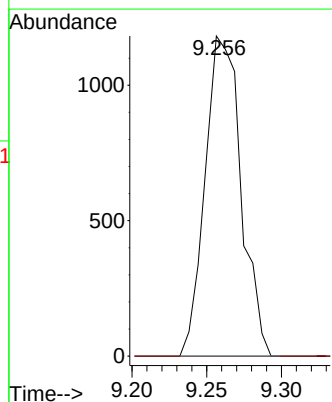
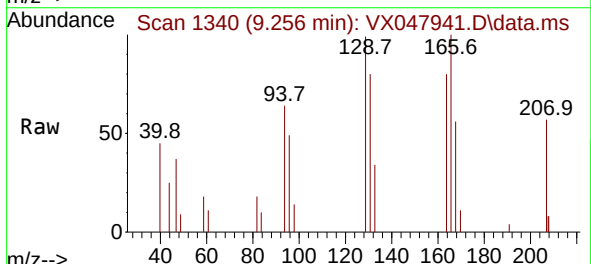
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

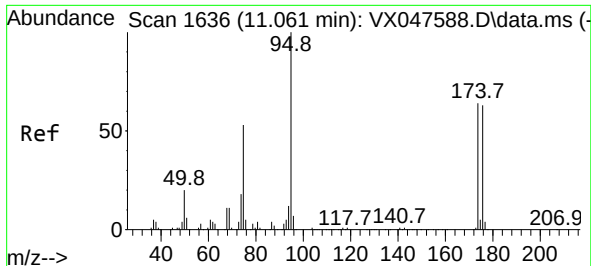
Tgt Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
58 184.6 30.3 45.5#



#60
Dibromochloromethane
Concen: 0.814 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 129 Resp: 1972
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

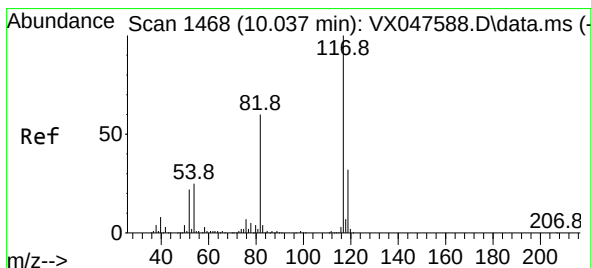
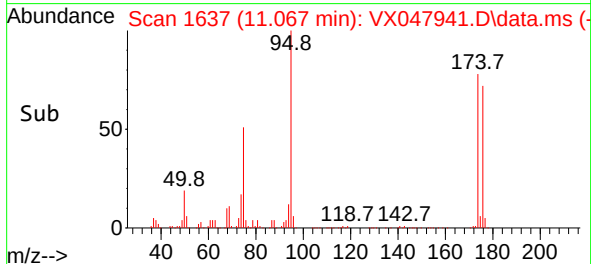
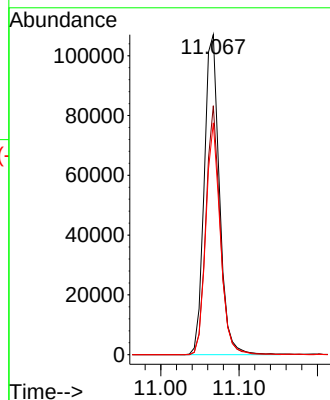
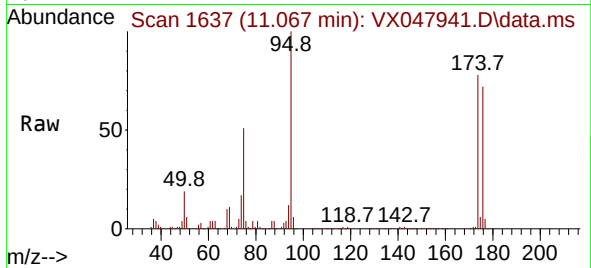




#62
4-Bromofluorobenzene
Concen: 55.014 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

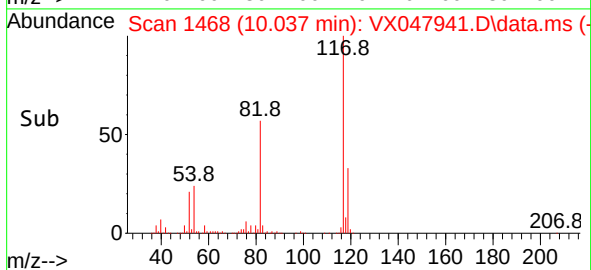
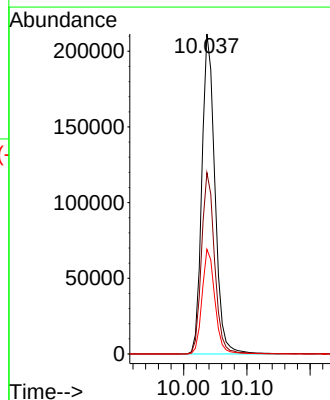
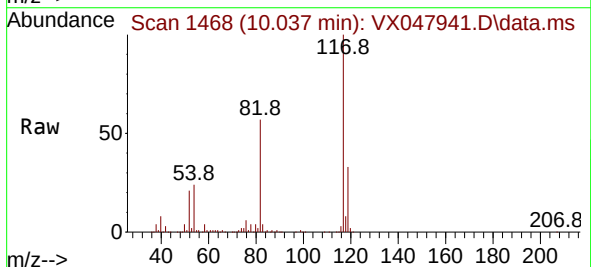
Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

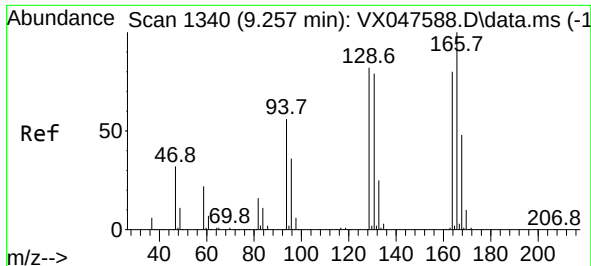
Tgt Ion: 95 Resp: 144029
Ion Ratio Lower Upper
95 100
174 72.9 0.0 141.6
176 69.1 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 117 Resp: 304101
Ion Ratio Lower Upper
117 100
82 56.7 47.8 71.6
119 32.7 25.2 37.8



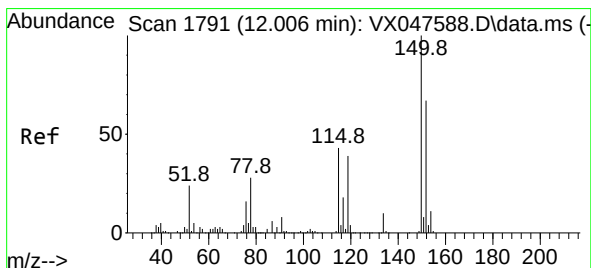
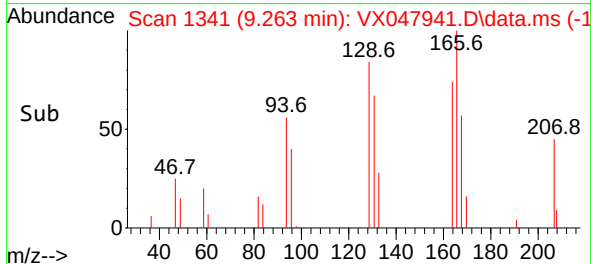
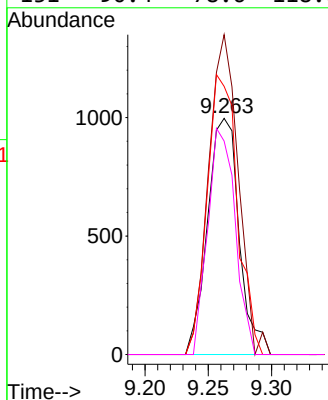
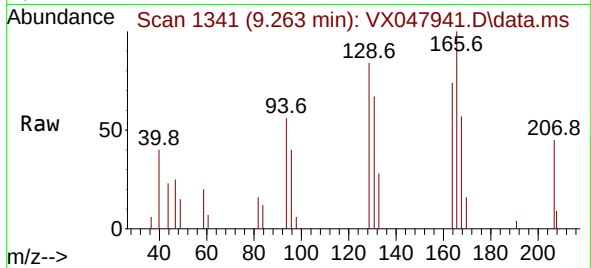


#64
Tetrachloroethene
Concen: 0.873 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

Tgt Ion:164 Resp: 1731

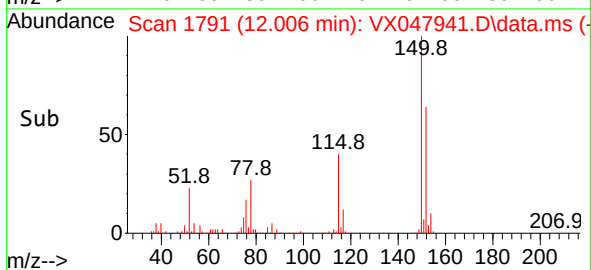
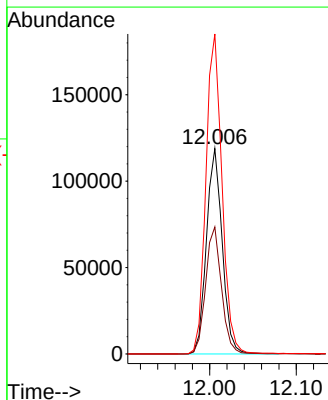
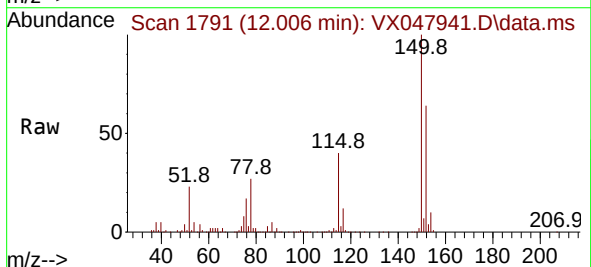
Ion	Ratio	Lower	Upper
164	100		
166	135.4	100.2	150.2
129	113.5	81.8	122.6
131	90.4	78.6	118.0

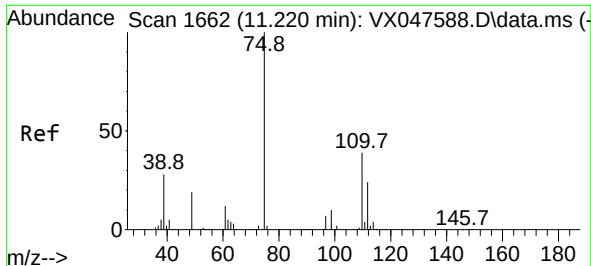


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion:152 Resp: 151044

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.9	134.5
150	158.4	0.0	352.0

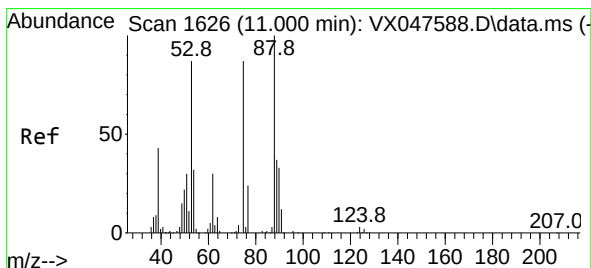
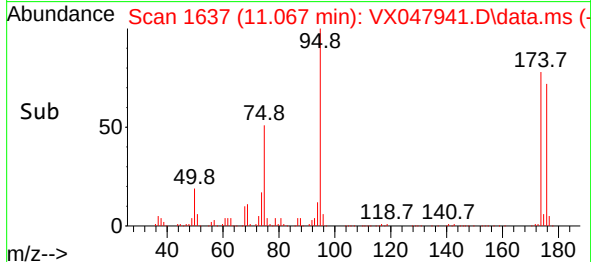
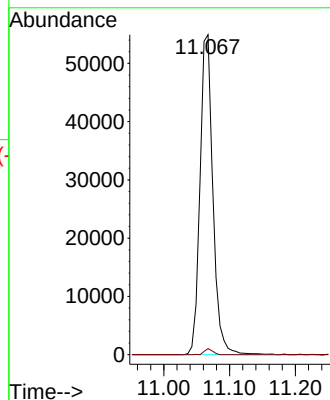
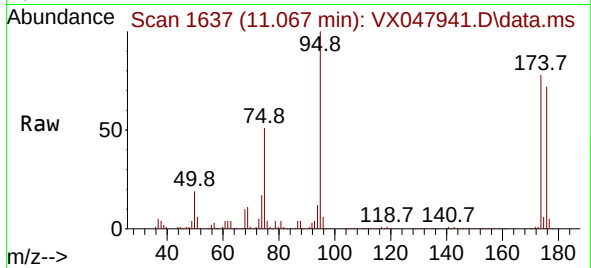




#76
1,2,3-Trichloropropane
Concen: 24.516 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.152 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW203D-20250923

Tgt Ion: 75 Resp: 74973
Ion Ratio Lower Upper
75 100
77 1.2 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.518 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.067 min
Lab File: VX047941.D
Acq: 01 Oct 2025 15:30

Tgt Ion: 75 Resp: 74973
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

