

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045193.D
 Acq On : 10 Mar 2025 14:06
 Operator : JC/MD
 Sample : Q1500-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D1-20250305

Quant Time: Mar 11 03:55:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

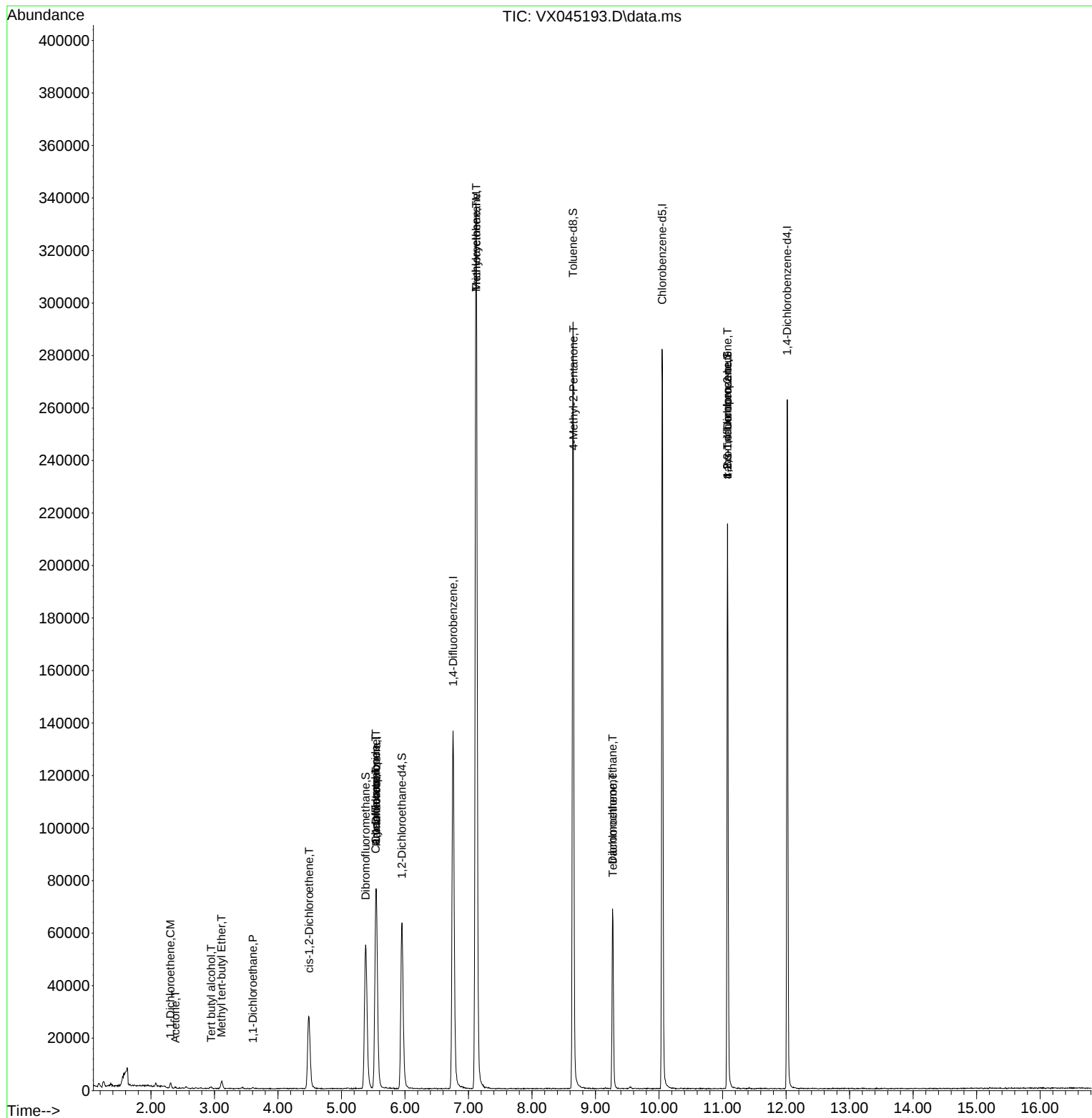
Internal Standards						
1) Pentafluorobenzene	5.550	168	71208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139400	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59385	52.429	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.860%	
35) Dibromofluoromethane	5.379	113	47655	51.125	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.240%	
50) Toluene-d8	8.647	98	172996	51.193	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.380%	
62) 4-Bromofluorobenzene	11.079	95	56985	50.889	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	203	0.946	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	695	0.794	ug/l	88
16) Acetone	2.386	43	496	0.944	ug/l #	44
19) Methyl tert-butyl Ether	3.111	73	2677	0.912	ug/l	95
24) 1,1-Dichloroethane	3.605	63	520	0.293	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	17163	16.084	ug/l	98
31) Cyclohexane	5.544	56	1945	1.262	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	6254	4.892	ug/l #	49
38) Carbon Tetrachloride	5.538	117	7788	6.001	ug/l #	18
39) Methylcyclohexane	7.123	83	1726	1.127	ug/l #	1
44) Trichloroethene	7.123	130	130424	137.601	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	941	0.575	ug/l #	1
60) Dibromochloromethane	9.269	129	12415	12.178	ug/l #	11
64) Tetrachloroethene	9.275	164	12649	15.736	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	31172	26.582	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31172	90.967	ug/l #	6

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

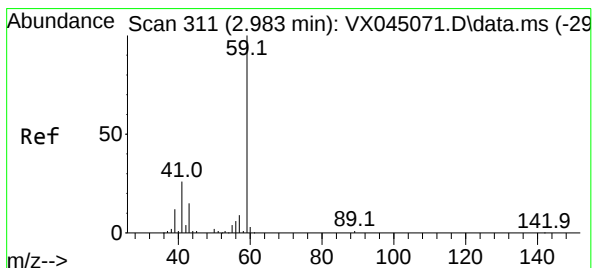
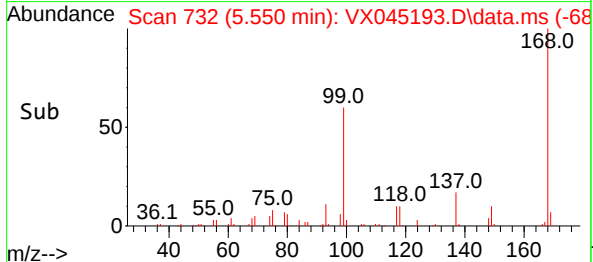
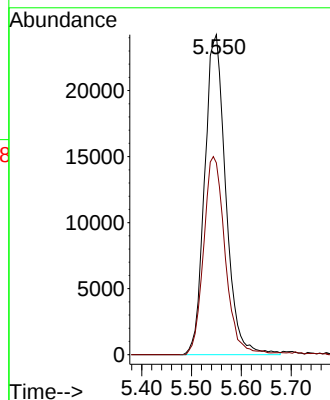
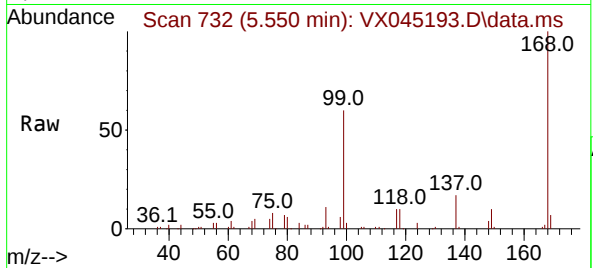




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

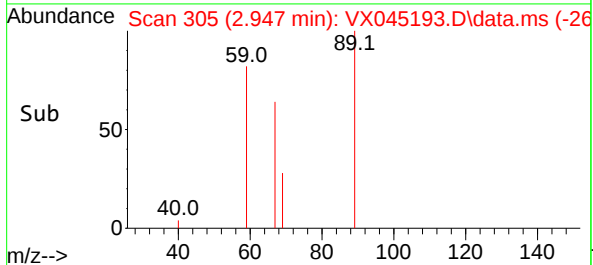
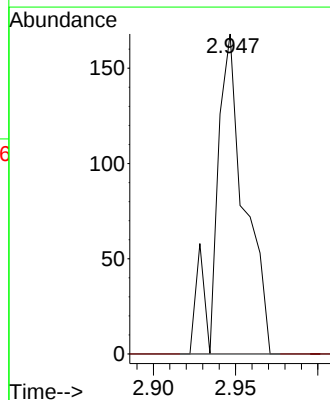
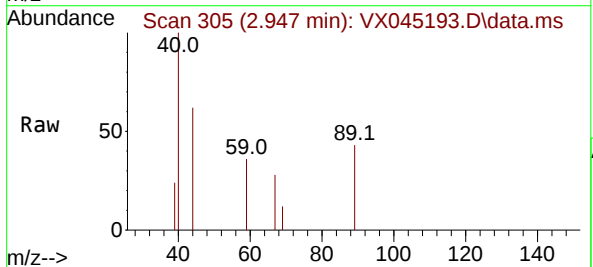
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

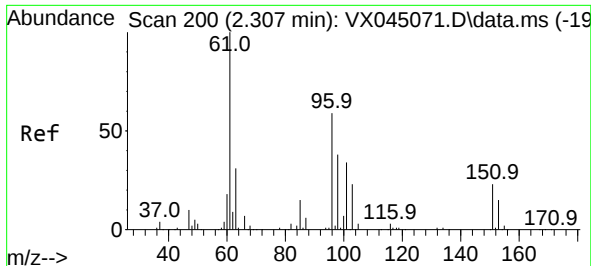
Tgt Ion:168 Resp: 71208
Ion Ratio Lower Upper
168 100
99 60.0 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.946 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion: 59 Resp: 203
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.794 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045193.D

Acq: 10 Mar 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

MW179D1-20250305

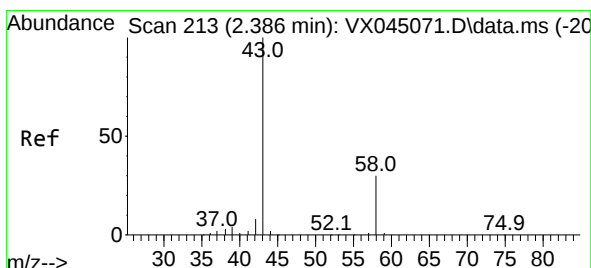
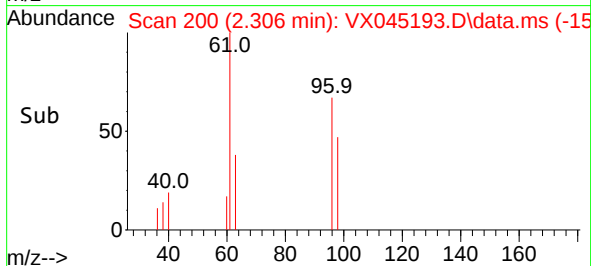
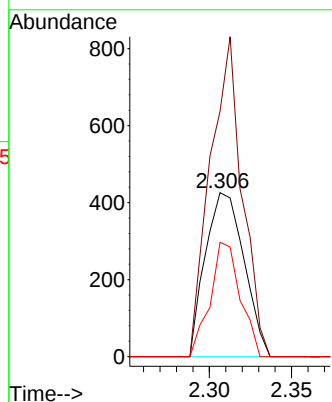
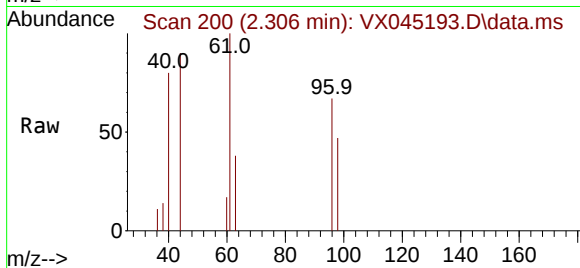
Tgt Ion: 96 Resp: 695

Ion Ratio Lower Upper

96 100

61 149.5 134.6 202.0

98 69.7 51.0 76.6



#16

Acetone

Concen: 0.944 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045193.D

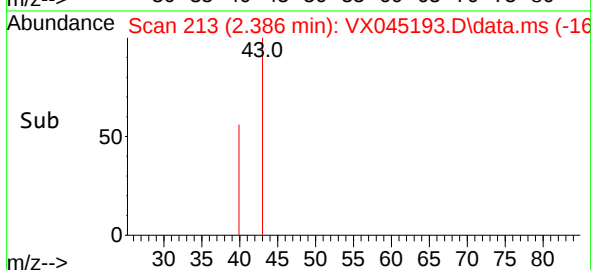
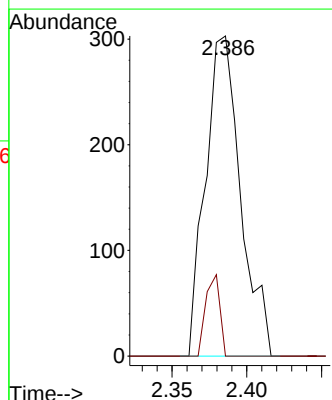
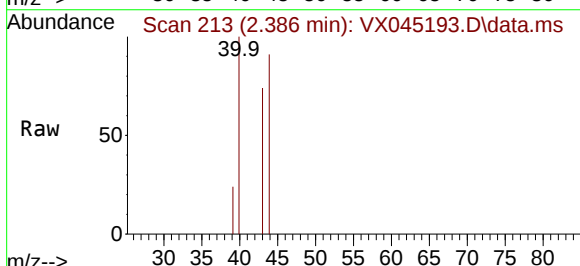
Acq: 10 Mar 2025 14:06

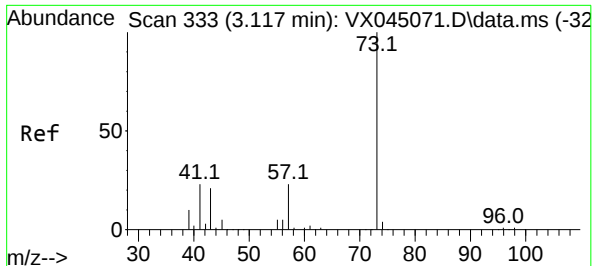
Tgt Ion: 43 Resp: 496

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.4#





#19

Methyl tert-butyl Ether

Concen: 0.912 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX045193.D

Acq: 10 Mar 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

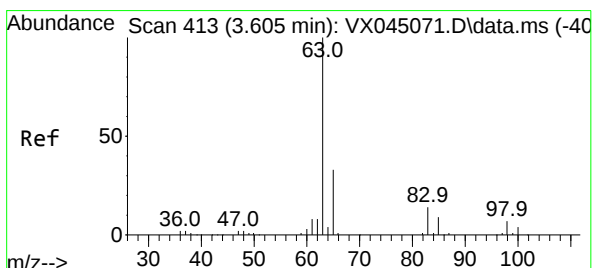
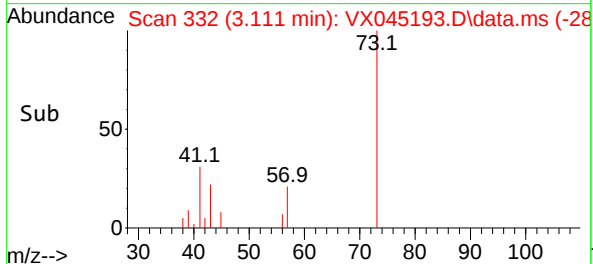
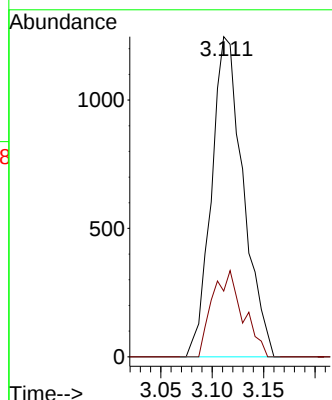
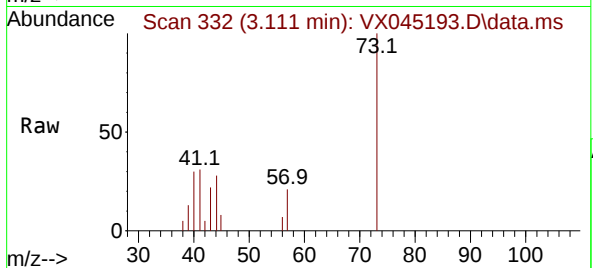
MW179D1-20250305

Tgt Ion: 73 Resp: 2677

Ion Ratio Lower Upper

73 100

57 20.5 18.5 27.7



#24

1,1-Dichloroethane

Concen: 0.293 ug/l

RT: 3.605 min Scan# 413

Delta R.T. -0.000 min

Lab File: VX045193.D

Acq: 10 Mar 2025 14:06

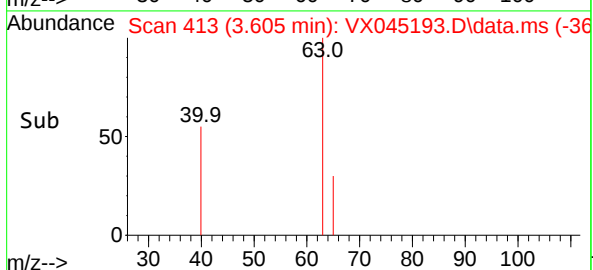
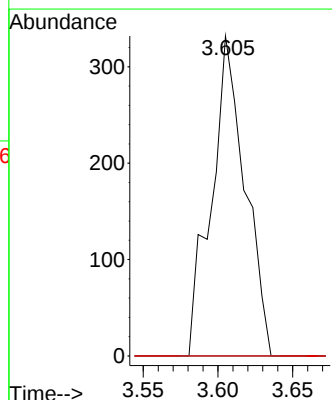
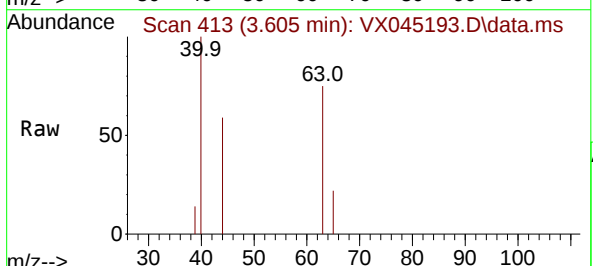
Tgt Ion: 63 Resp: 520

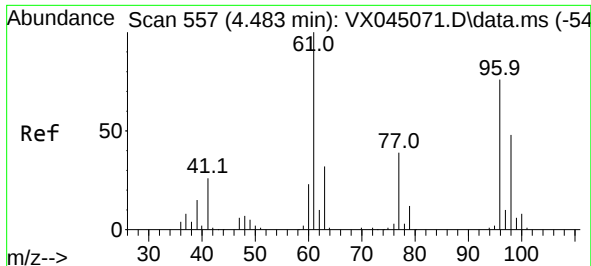
Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 16.084 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045193.D

Acq: 10 Mar 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

MW179D1-20250305

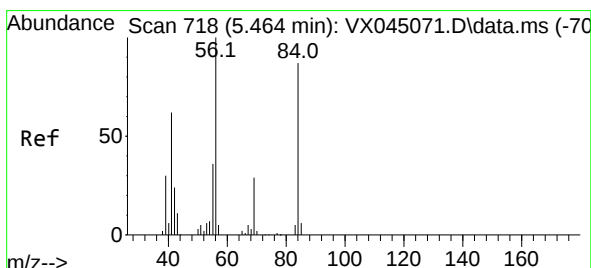
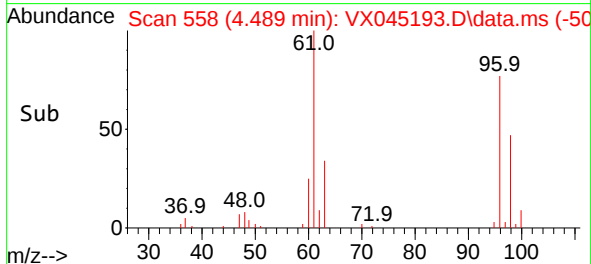
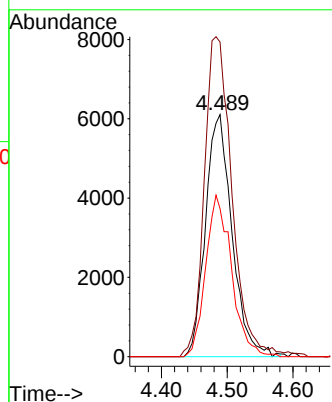
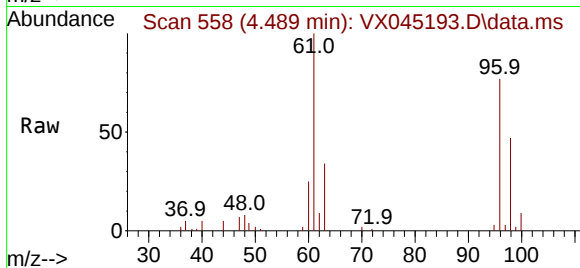
Tgt Ion: 96 Resp: 17163

Ion Ratio Lower Upper

96 100

61 137.9 0.0 283.2

98 65.1 0.0 128.0



#31

Cyclohexane

Concen: 1.262 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045193.D

Acq: 10 Mar 2025 14:06

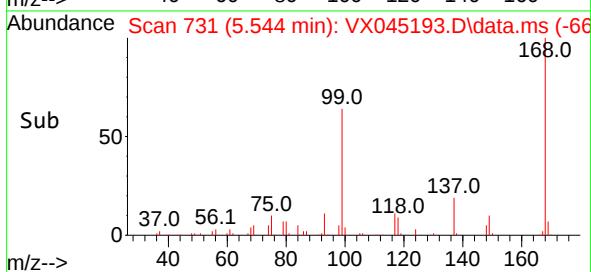
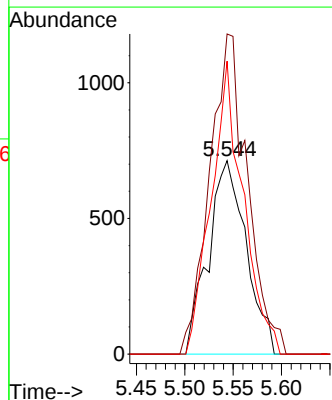
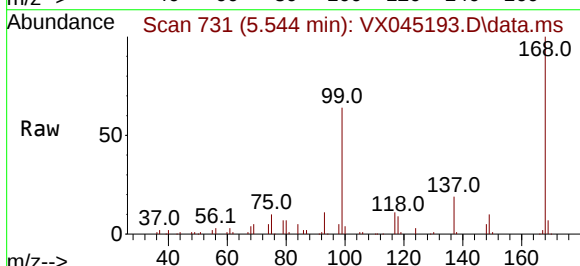
Tgt Ion: 56 Resp: 1945

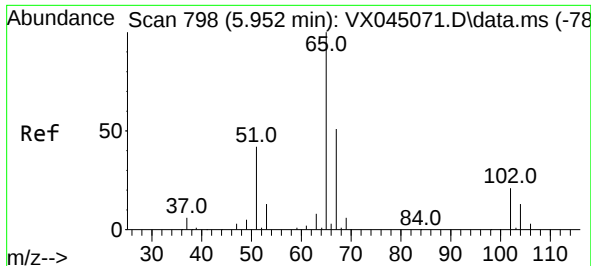
Ion Ratio Lower Upper

56 100

69 165.5 23.4 35.2#

84 151.5 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 52.429 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045193.D

Acq: 10 Mar 2025 14:06

Instrument :

MSVOA_X

ClientSampleId :

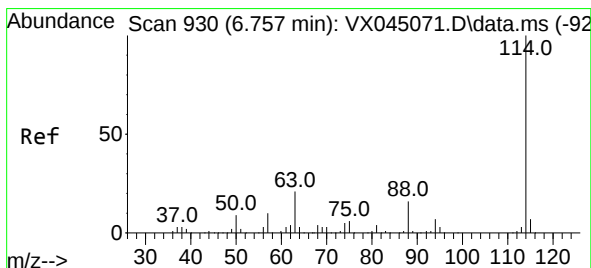
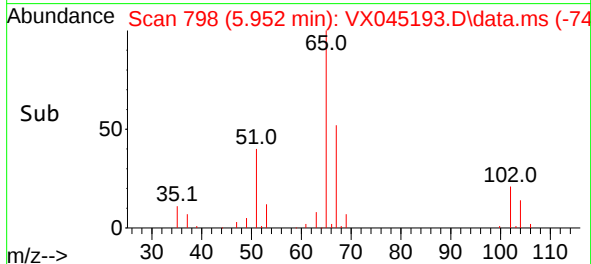
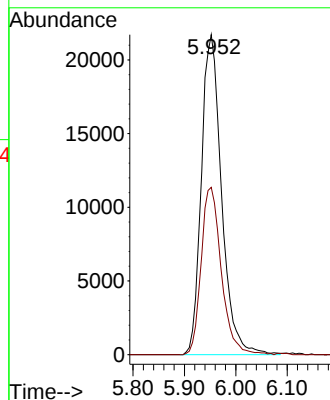
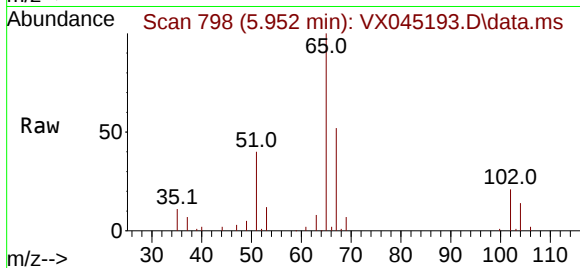
MW179D1-20250305

Tgt Ion: 65 Resp: 59385

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045193.D

Acq: 10 Mar 2025 14:06

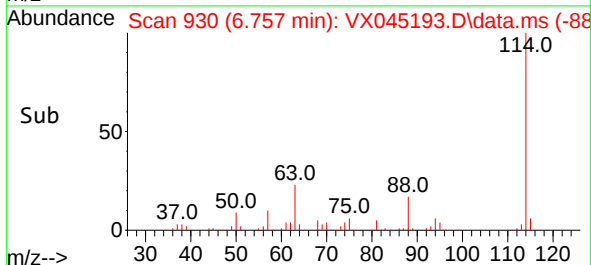
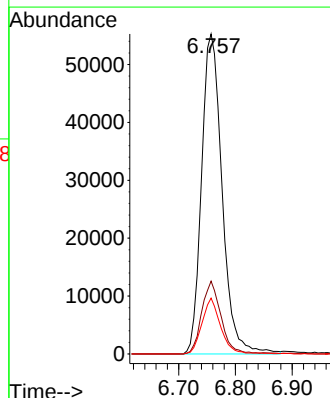
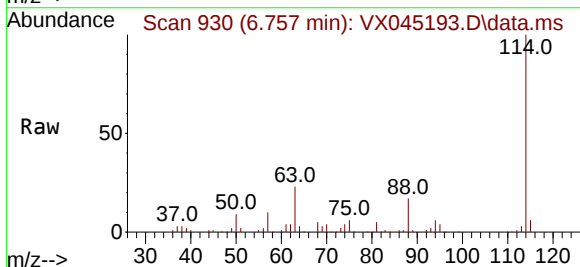
Tgt Ion: 114 Resp: 139400

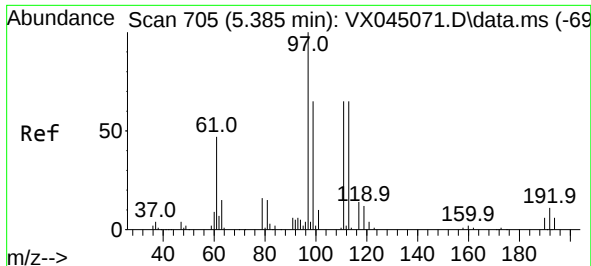
Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

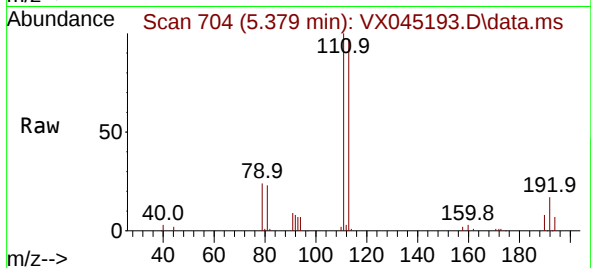
88 17.5 0.0 32.8



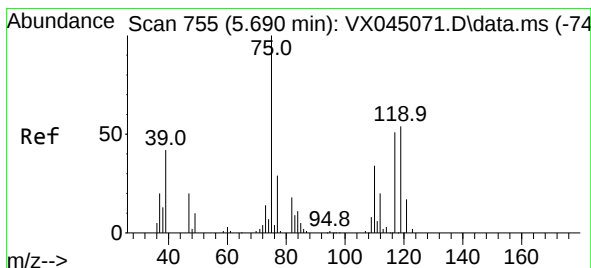
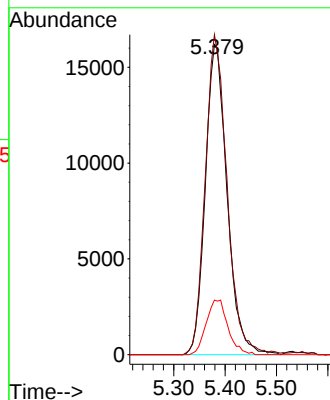
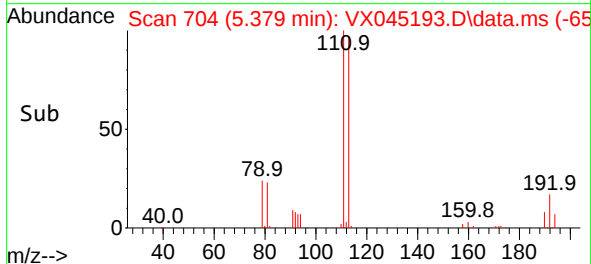


#35
Dibromofluoromethane
Concen: 51.125 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Instrument :
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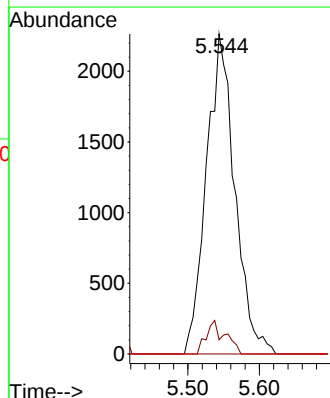
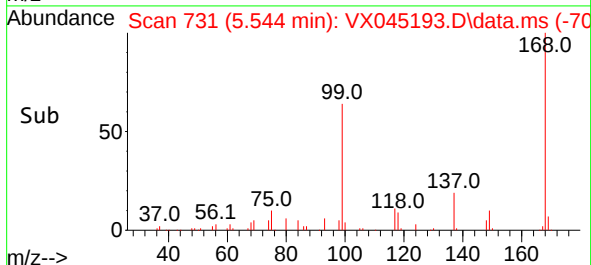
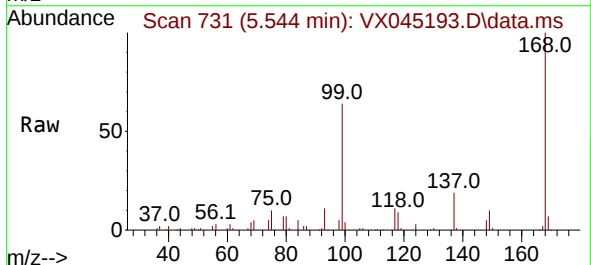


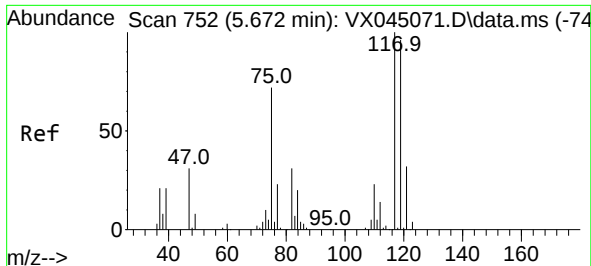
Tgt Ion:113 Resp: 47655
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.6
192 17.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.892 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

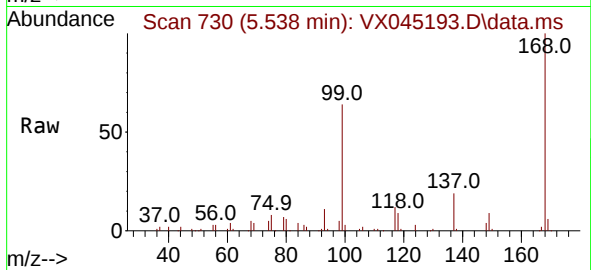
Tgt Ion: 75 Resp: 6254
Ion Ratio Lower Upper
75 100
110 6.9 16.9 50.6#
77 0.0 24.5 36.7#



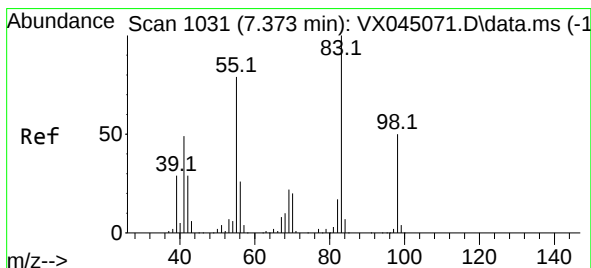
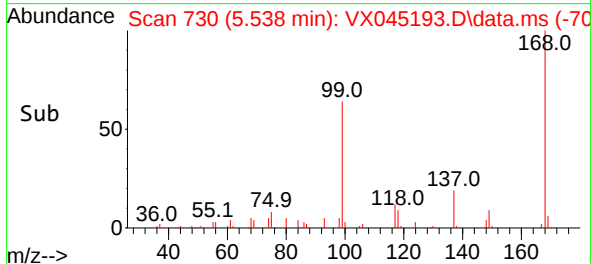
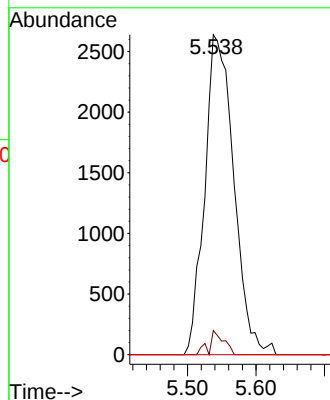


#38
Carbon Tetrachloride
Concen: 6.001 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

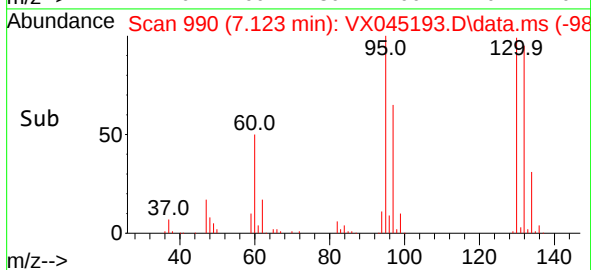
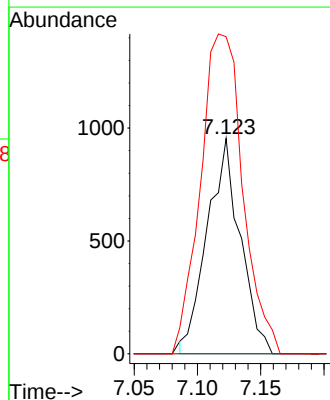
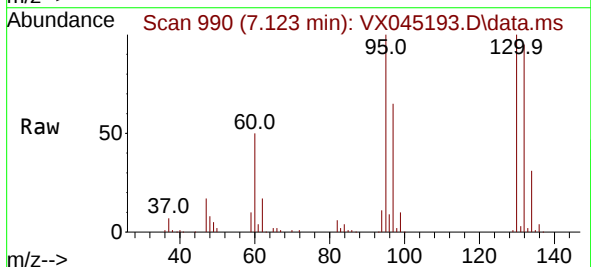


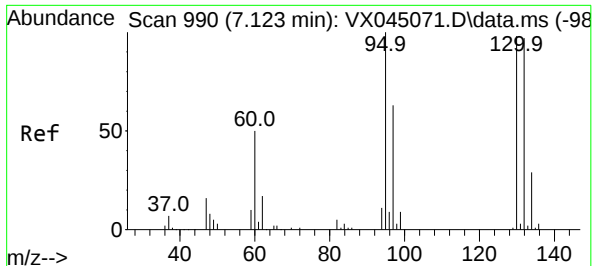
Tgt Ion:117 Resp: 7788
Ion Ratio Lower Upper
117 100
119 7.5 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 1.127 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion: 83 Resp: 1726
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 147.3 39.7 59.5#

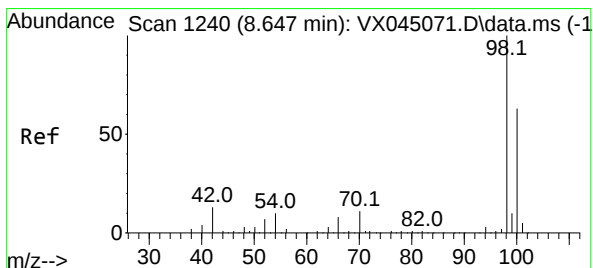
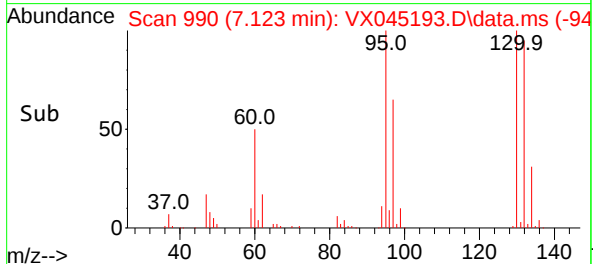
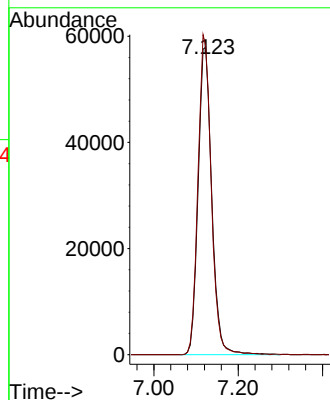
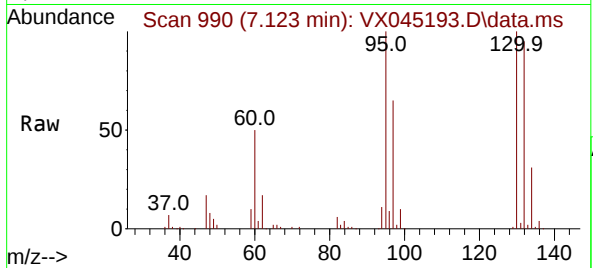




#44
Trichloroethene
Concen: 137.601 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

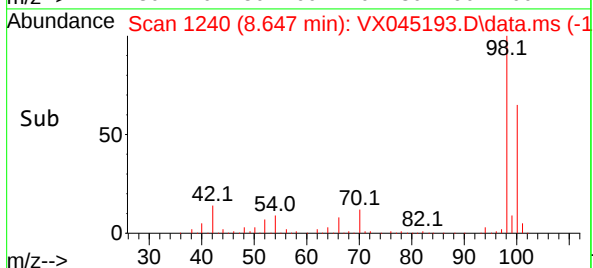
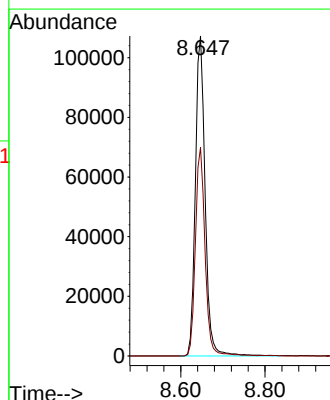
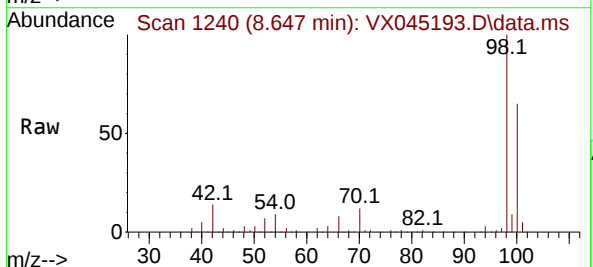
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

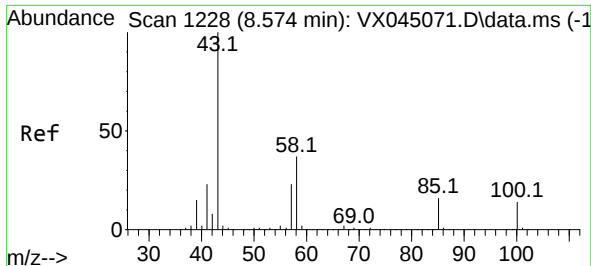
Tgt Ion:130 Resp: 130424
Ion Ratio Lower Upper
130 100
95 100.5 0.0 205.0



#50
Toluene-d8
Concen: 51.193 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion: 98 Resp: 172996
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0

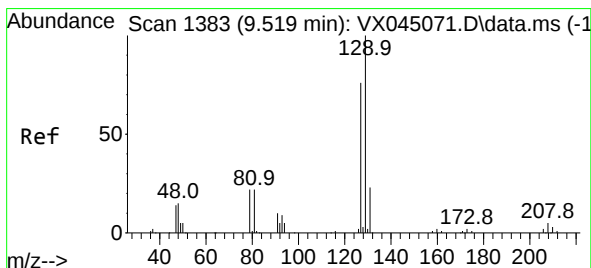
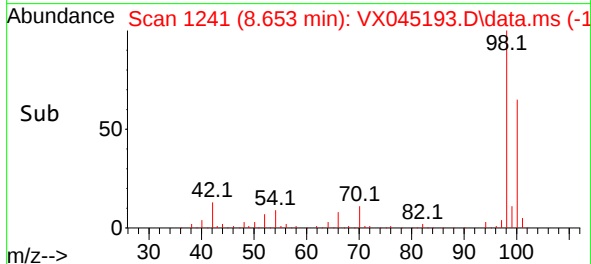
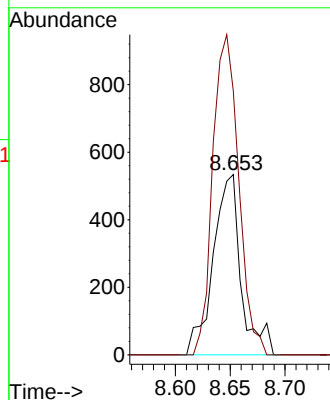
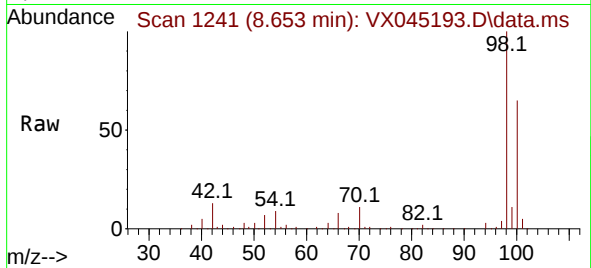




#51
4-Methyl-2-Pentanone
Concen: 0.575 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

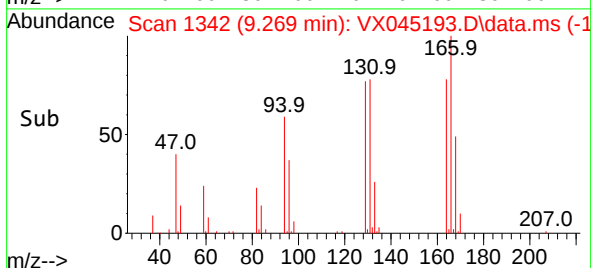
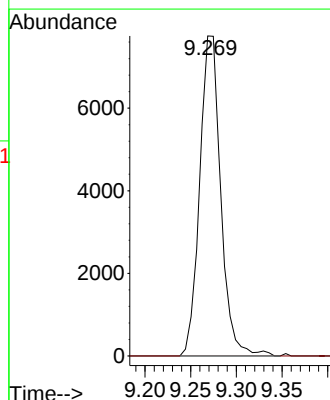
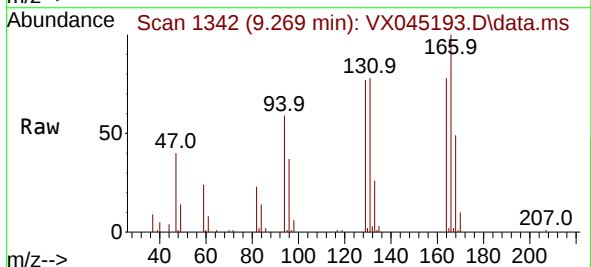
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

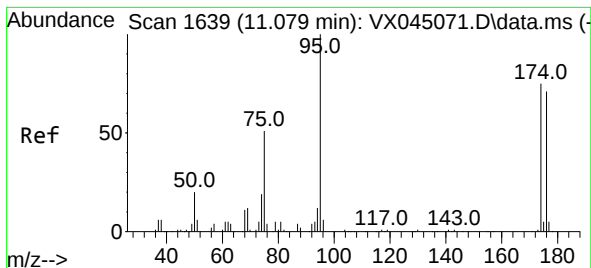
Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
58 165.4 29.2 43.8#



#60
Dibromochloromethane
Concen: 12.178 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion: 129 Resp: 12415
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

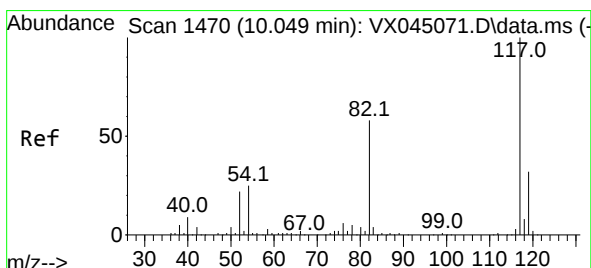
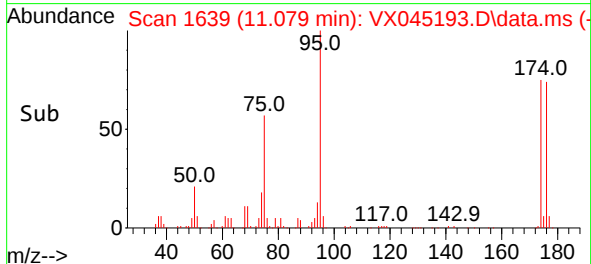
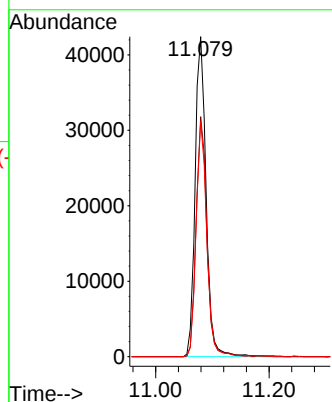
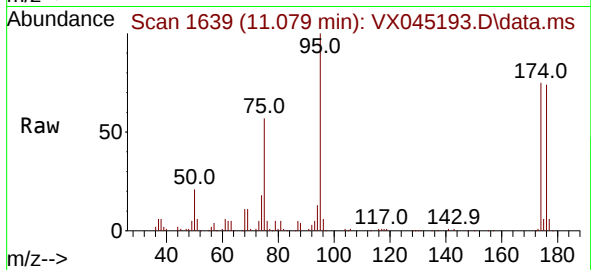




#62
4-Bromofluorobenzene
Concen: 50.889 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

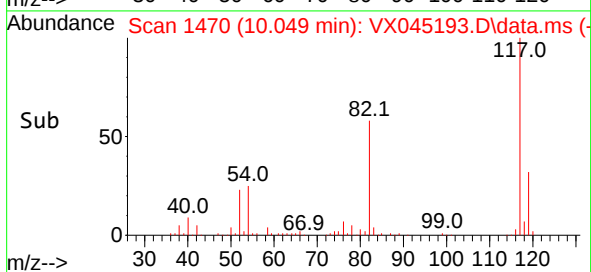
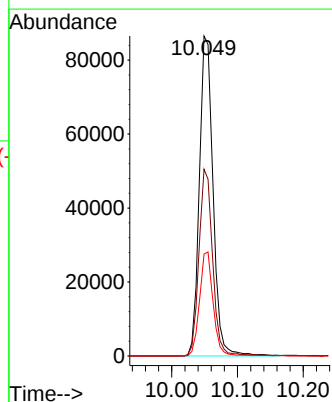
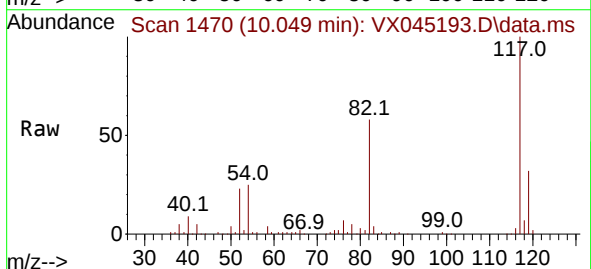
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

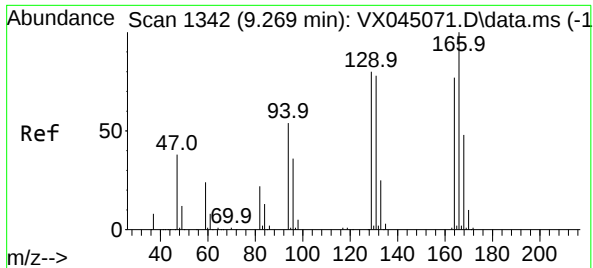
Tgt Ion: 95 Resp: 56985
Ion Ratio Lower Upper
95 100
174 73.3 0.0 148.2
176 71.0 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion: 117 Resp: 125505
Ion Ratio Lower Upper
117 100
82 58.4 46.3 69.5
119 31.8 25.7 38.5

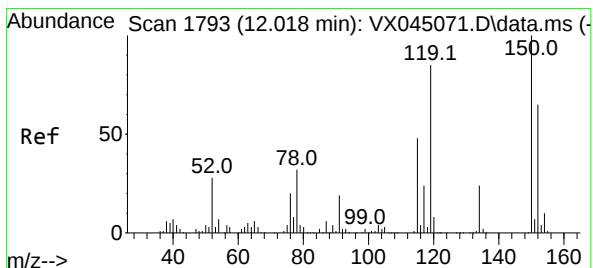
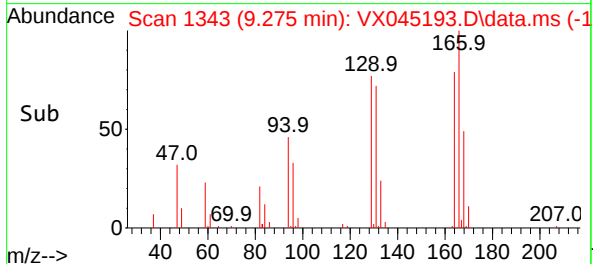
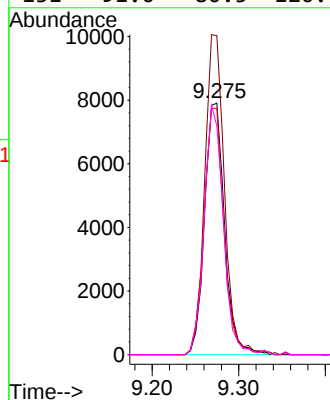
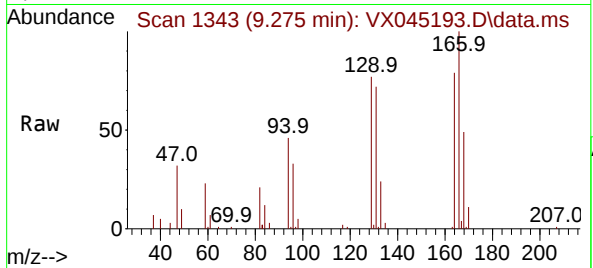




#64
Tetrachloroethene
Concen: 15.736 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

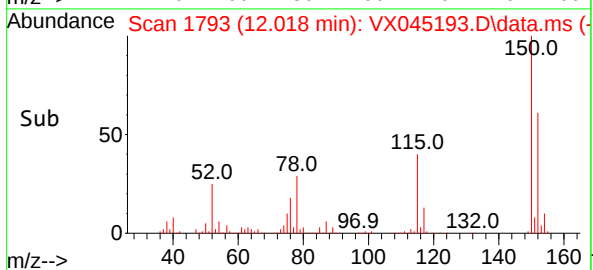
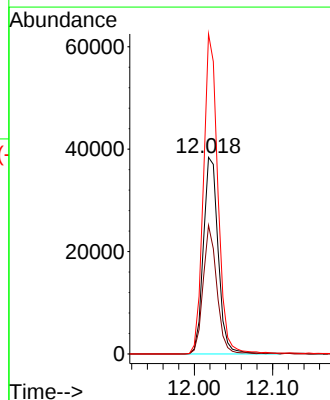
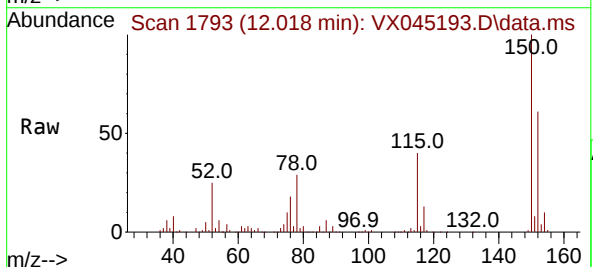
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

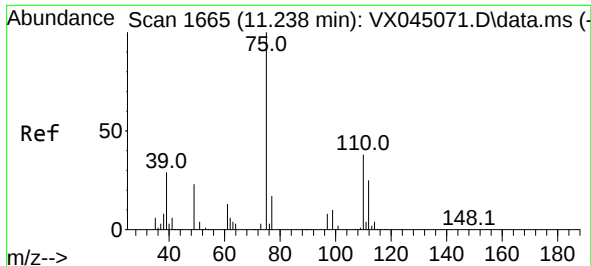
Tgt Ion:164	Resp:	12649
Ion	Ratio	Lower Upper
164	100	
166	126.9	103.6 155.4
129	97.9	82.7 124.1
131	91.0	80.5 120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion:152	Resp:	50384
Ion	Ratio	Lower Upper
152	100	
115	60.6	44.2 132.6
150	158.6	0.0 349.0

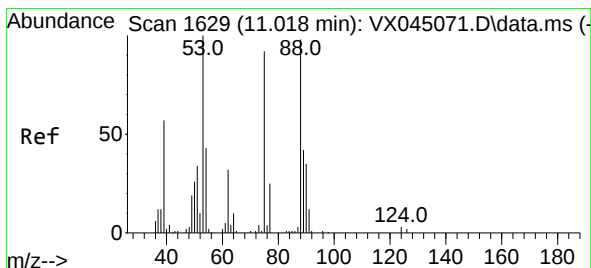
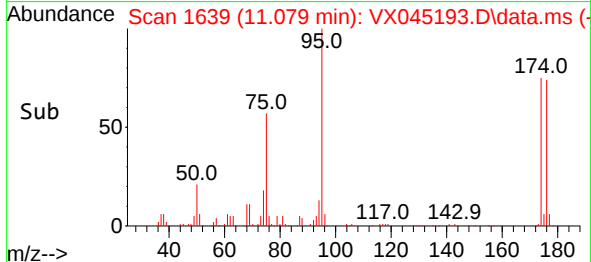
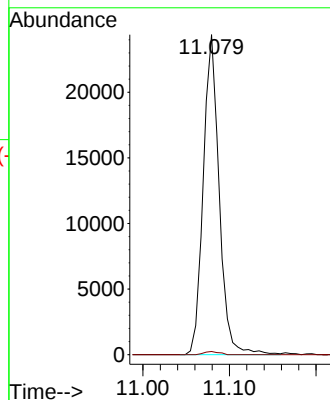
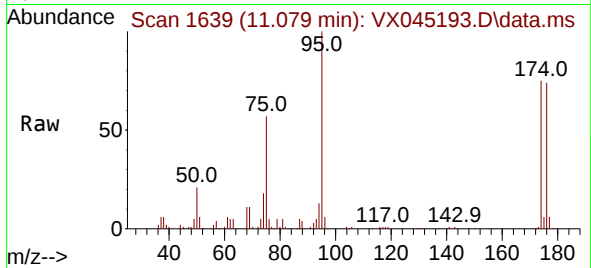




#76
1,2,3-Trichloropropane
Concen: 26.582 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

Tgt Ion: 75 Resp: 31172
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.967 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion: 75 Resp: 31172
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

