

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091725\
 Data File : VX047619.D
 Acq On : 17 Sep 2025 15:30
 Operator : JC/MD
 Sample : Q3095-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW305D-20250909

Quant Time: Sep 22 03:08:45 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)

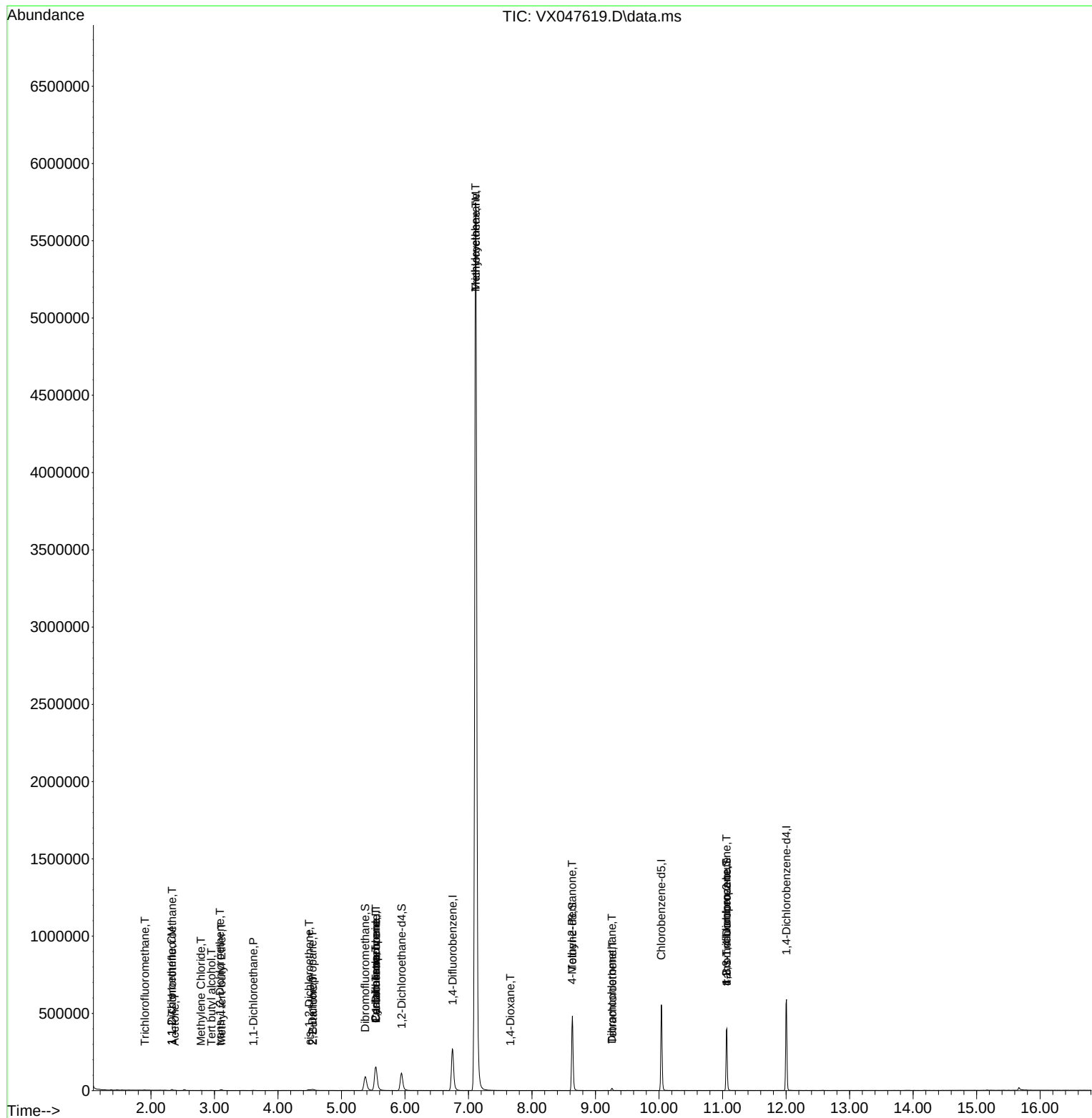
Internal Standards						
1) Pentafluorobenzene	5.544	168	153315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	290828	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	250024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	122351	50.136	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.280%	
35) Dibromofluoromethane	5.373	113	88334	45.289	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 90.580%	
50) Toluene-d8	8.635	98	290425	43.033	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 86.060%#	
62) 4-Bromofluorobenzene	11.061	95	115422	45.063	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.120%	
Target Compounds						
						Qvalue
7) Trichlorofluoromethane	1.904	101	991	0.327	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	952	0.537	ug/l	96
11) Tert butyl alcohol	2.953	59	352	1.295	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	1930	1.060	ug/l	87
16) Acetone	2.374	43	2444	2.303	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	4472	0.673	ug/l #	89
20) Methylene Chloride	2.788	84	585	0.260	ug/l #	78
21) trans-1,2-Dichloroethene	3.087	96	778	0.397	ug/l #	74
24) 1,1-Dichloroethane	3.611	63	2035	0.526	ug/l #	81
25) 2-Butanone	4.550	43	503	0.380	ug/l #	50
26) 2,2-Dichloropropane	4.544	77	645	0.200	ug/l #	54
27) cis-1,2-Dichloroethene	4.489	96	3577	1.489	ug/l	94
31) Cyclohexane	5.538	56	3735	1.158	ug/l #	16
36) 1,1-Dichloropropene	5.544	75	13526	4.746	ug/l #	52
38) Carbon Tetrachloride	5.544	117	16711	5.396	ug/l #	18
39) Methylcyclohexane	7.111	83	28392	8.776	ug/l #	1
44) Trichloroethene	7.117	130	2395935	1144.848	ug/l	96
49) 1,4-Dioxane	7.659	88	22	0.873	ug/l #	21
51) 4-Methyl-2-Pentanone	8.629	43	1444	0.520	ug/l #	1
60) Dibromochloromethane	9.256	129	2707	1.142	ug/l #	11
64) Tetrachloroethene	9.263	164	2830	1.736	ug/l	88
76) 1,2,3-Trichloropropane	11.061	75	59794	24.203	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.061	75	59794	61.720	ug/l #	8

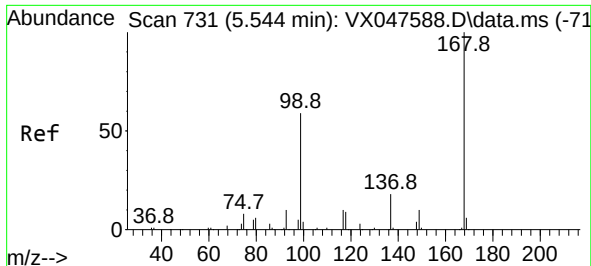
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

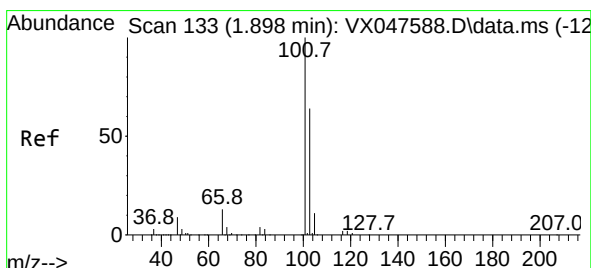
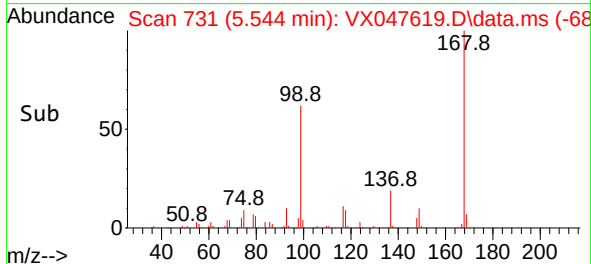
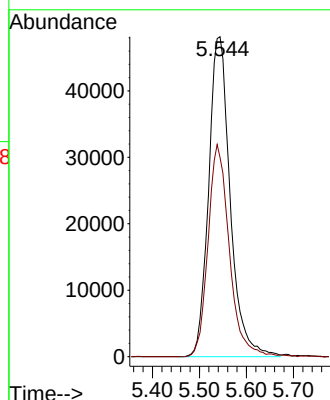
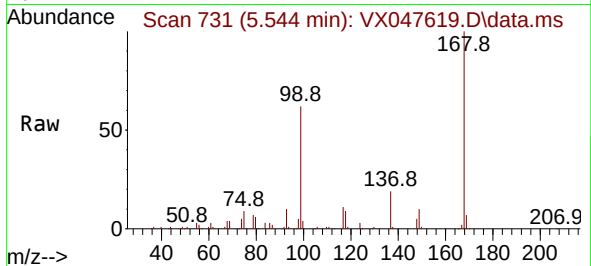




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

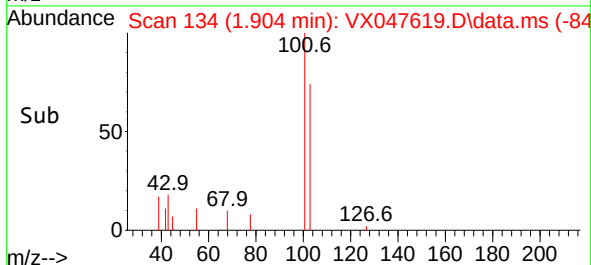
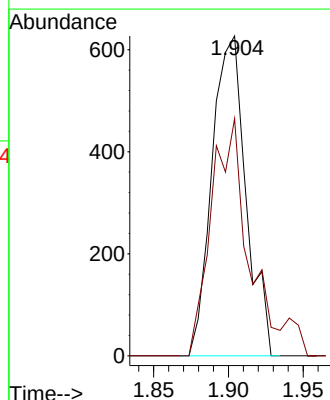
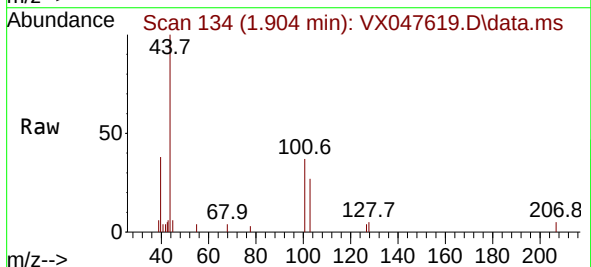
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

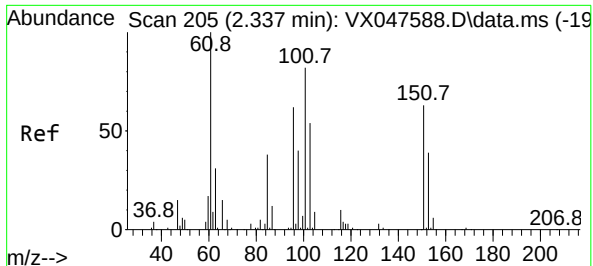
Tgt Ion:168 Resp: 153315
Ion Ratio Lower Upper
168 100
99 62.3 48.8 73.2



#7
Trichlorofluoromethane
Concen: 0.327 ug/l
RT: 1.904 min Scan# 134
Delta R.T. 0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion:101 Resp: 991
Ion Ratio Lower Upper
101 100
103 74.2 51.4 77.2

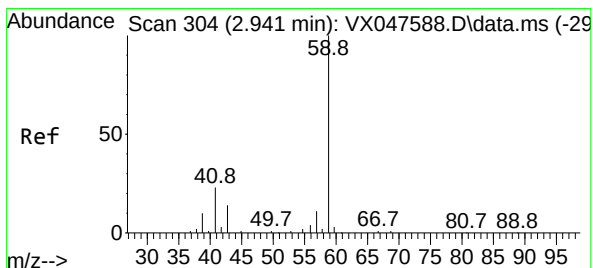
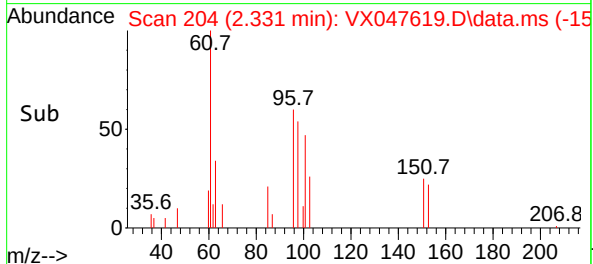
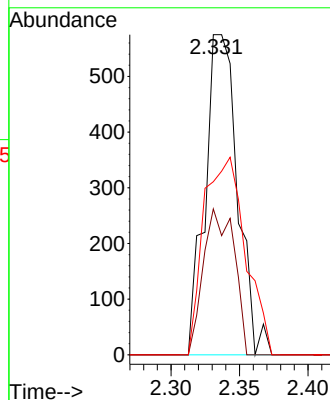
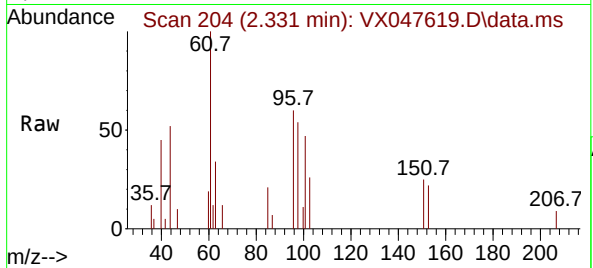




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.537 ug/l
RT: 2.331 min Scan# 205
Delta R.T. -0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

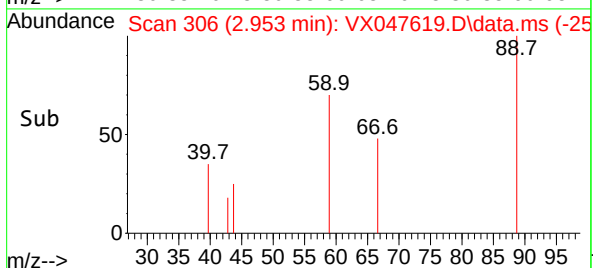
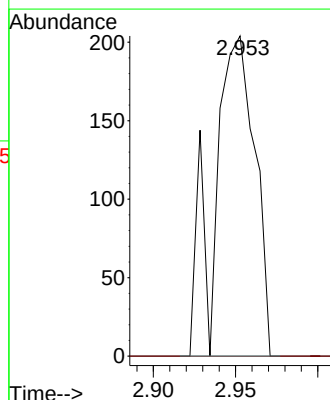
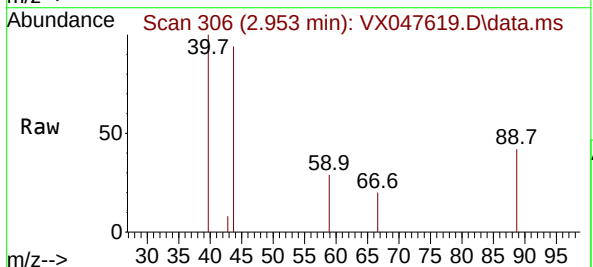
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

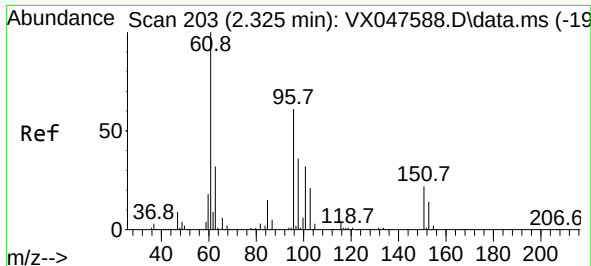
Tgt Ion:101 Resp: 952
Ion Ratio Lower Upper
101 100
85 43.0 35.5 53.3
151 78.7 59.4 89.0



#11
Tert butyl alcohol
Concen: 1.295 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion: 59 Resp: 352
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 1.060 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047619.D

Acq: 17 Sep 2025 15:30

Instrument :

MSVOA_X

ClientSampleId :

MW305D-20250909

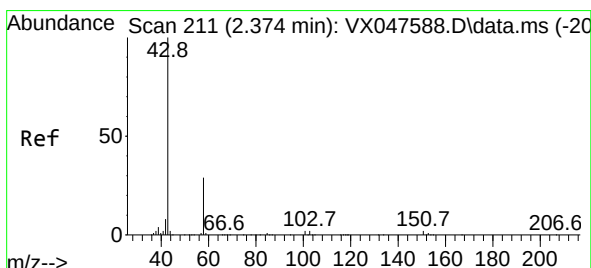
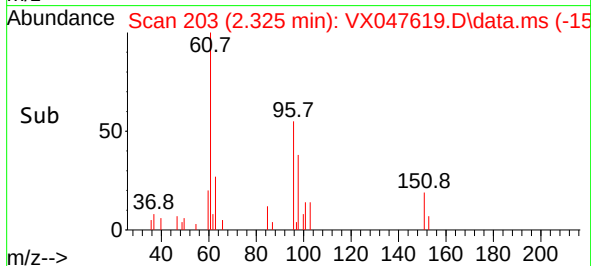
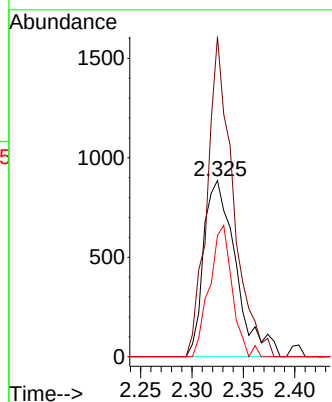
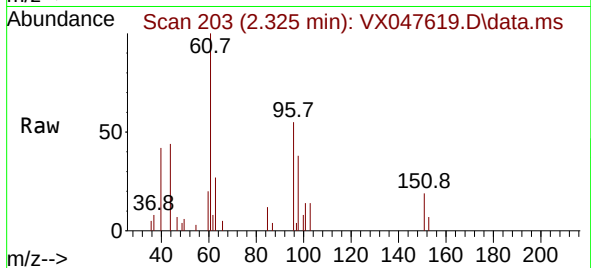
Tgt Ion: 96 Resp: 1930

Ion Ratio Lower Upper

96 100

61 181.6 131.0 196.6

98 68.7 47.7 71.5



#16

Acetone

Concen: 2.303 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX047619.D

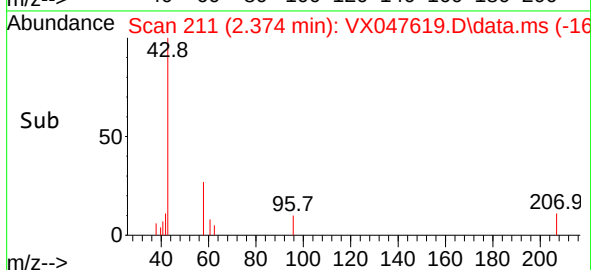
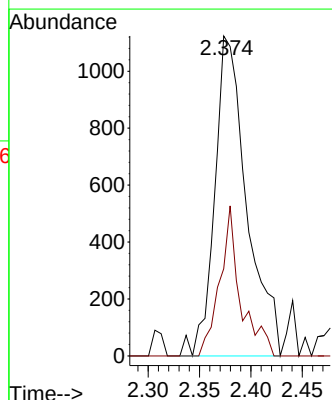
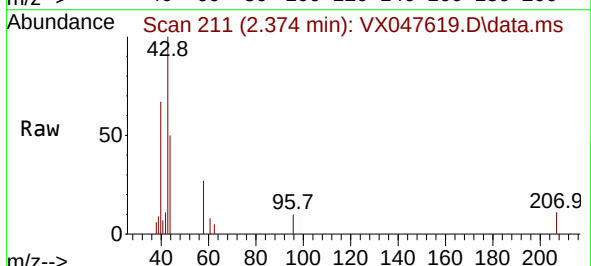
Acq: 17 Sep 2025 15:30

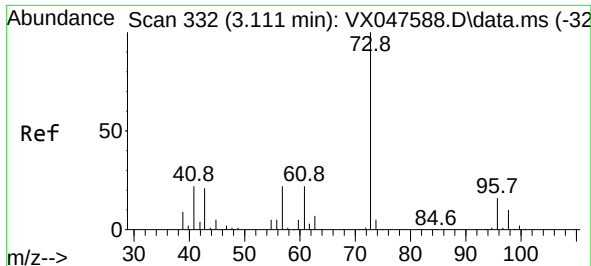
Tgt Ion: 43 Resp: 2444

Ion Ratio Lower Upper

43 100

58 28.8 23.4 35.0

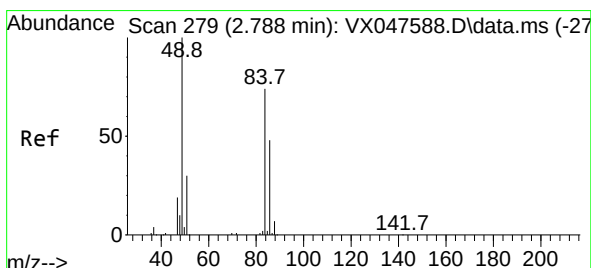
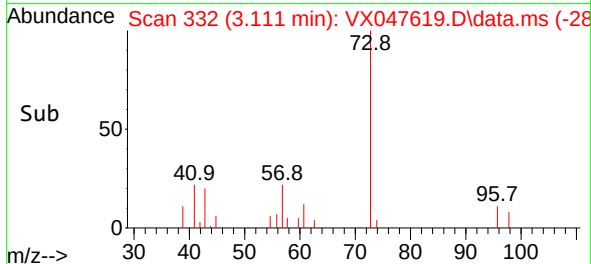
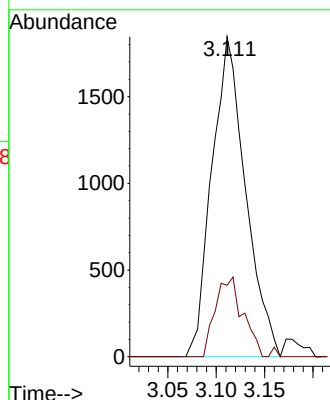
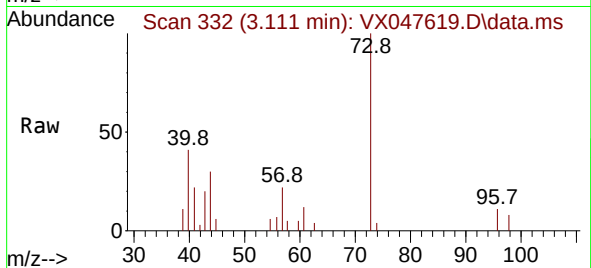




#19
Methyl tert-butyl Ether
Concen: 0.673 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

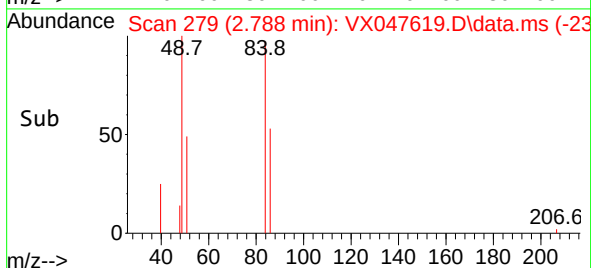
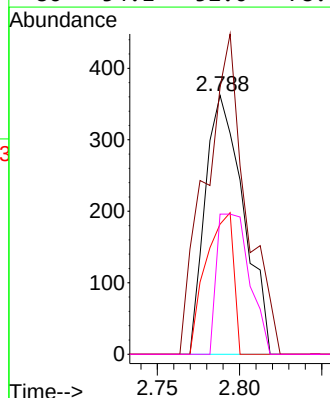
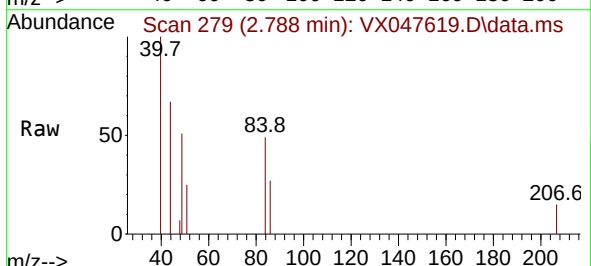
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

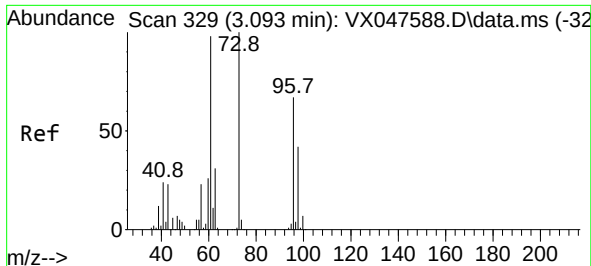
Tgt Ion: 73 Resp: 4472
Ion Ratio Lower Upper
73 100
57 26.9 17.4 26.2#



#20
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion: 84 Resp: 585
Ion Ratio Lower Upper
84 100
49 103.0 108.6 162.8#
51 50.3 32.6 48.8#
86 54.1 52.0 78.0

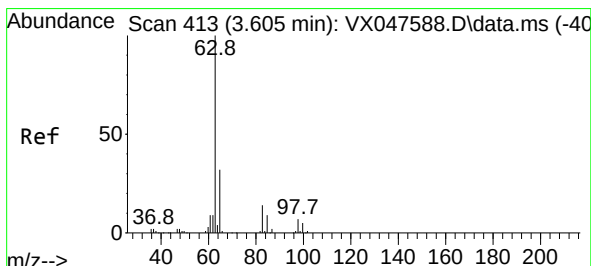
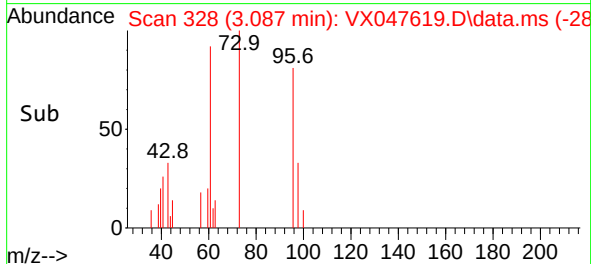
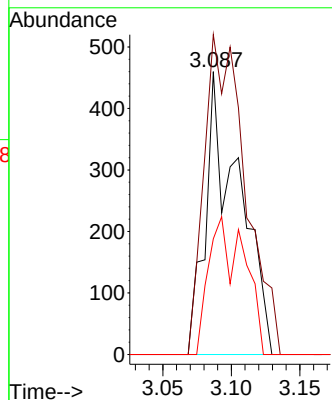
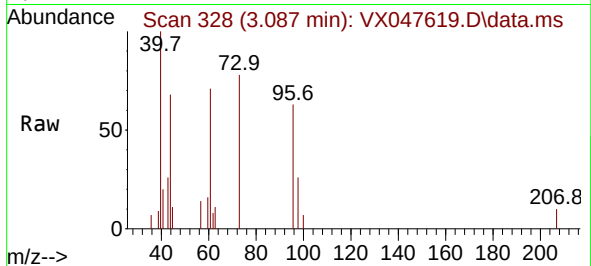




#21
trans-1,2-Dichloroethene
Concen: 0.397 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

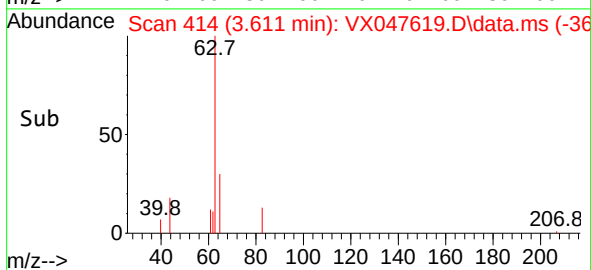
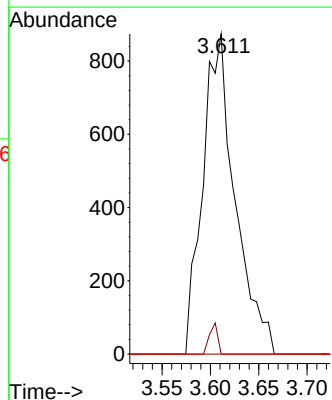
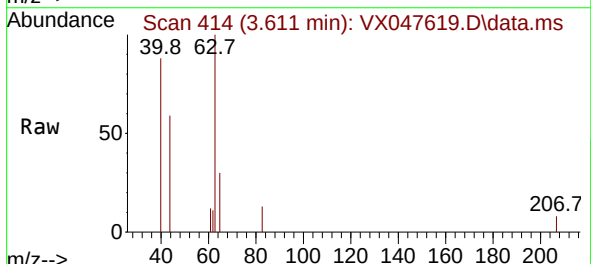
Instrument :
MSVOA_X
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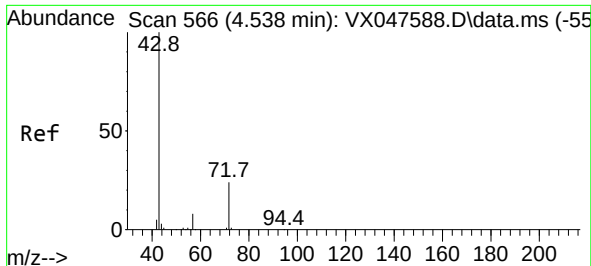
Tgt Ion: 96 Resp: 778
Ion Ratio Lower Upper
96 100
61 113.0 116.2 174.2#
98 40.9 49.3 73.9#



#24
1,1-Dichloroethane
Concen: 0.526 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion: 63 Resp: 2035
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.3 6.9#

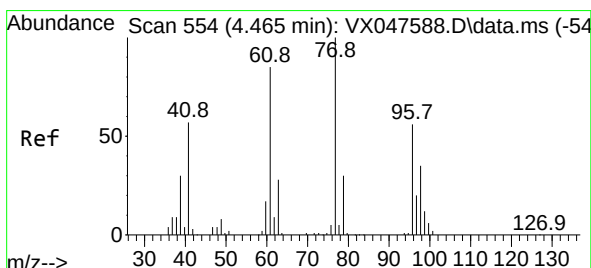
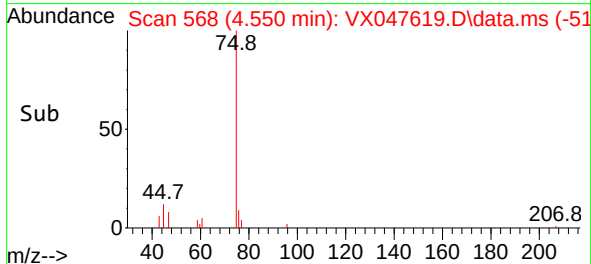
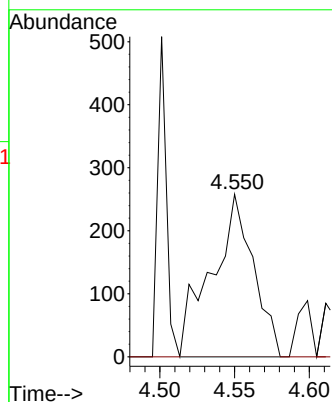
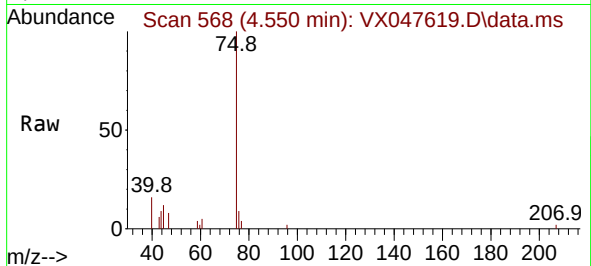




#25
2-Butanone
Concen: 0.380 ug/l
RT: 4.550 min Scan# 503
Delta R.T. 0.012 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

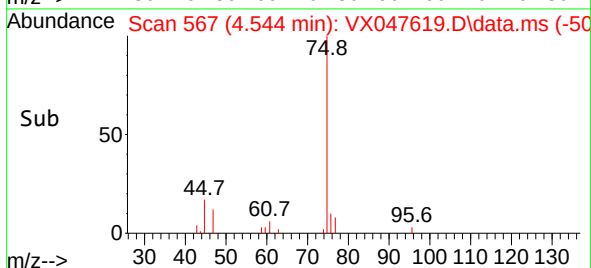
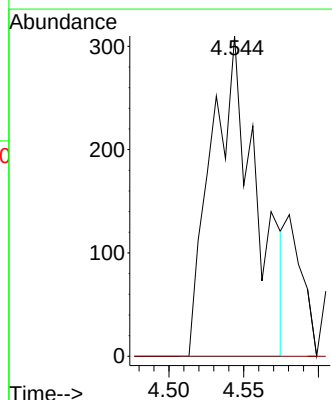
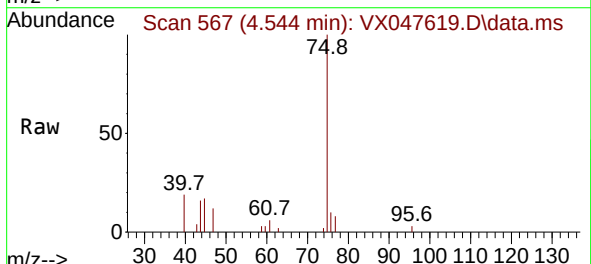
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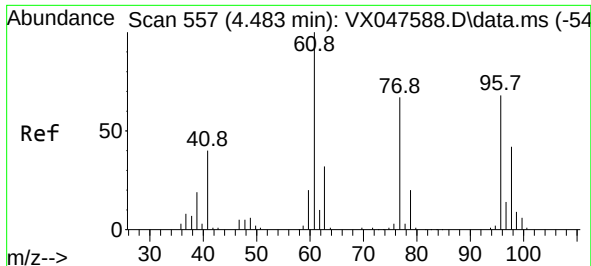
Tgt Ion: 43 Resp: 503
Ion Ratio Lower Upper
43 100
72 0.0 20.1 30.1#



#26
2,2-Dichloropropane
Concen: 0.200 ug/l
RT: 4.544 min Scan# 567
Delta R.T. 0.079 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion: 77 Resp: 645
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.7#





#27

cis-1,2-Dichloroethene

Concen: 1.489 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX047619.D

Acq: 17 Sep 2025 15:30

Instrument :

MSVOA_X

ClientSampleId :

MW305D-20250909

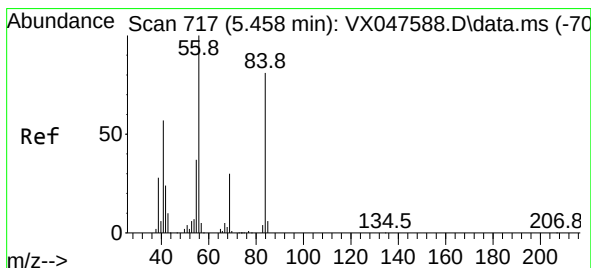
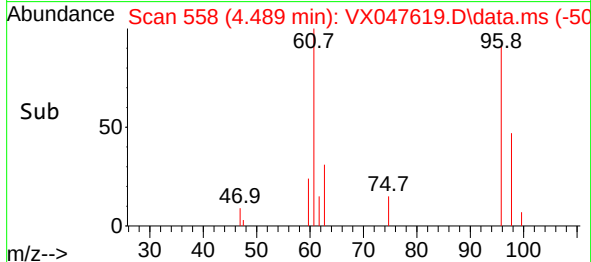
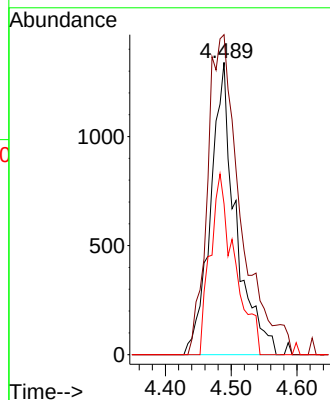
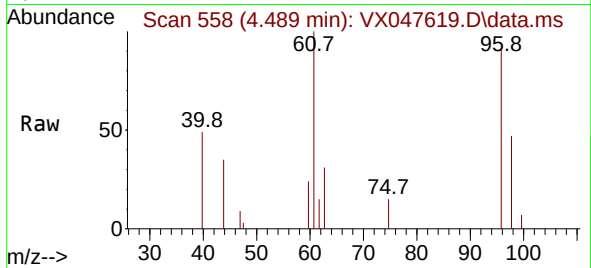
Tgt Ion: 96 Resp: 3577

Ion Ratio Lower Upper

96 100

61 143.6 0.0 303.2

98 59.9 0.0 127.8



#31

Cyclohexane

Concen: 1.158 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX047619.D

Acq: 17 Sep 2025 15:30

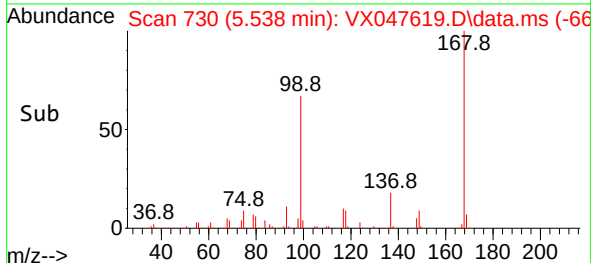
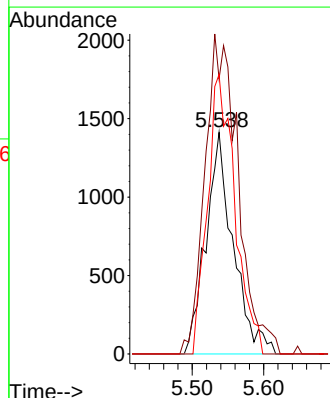
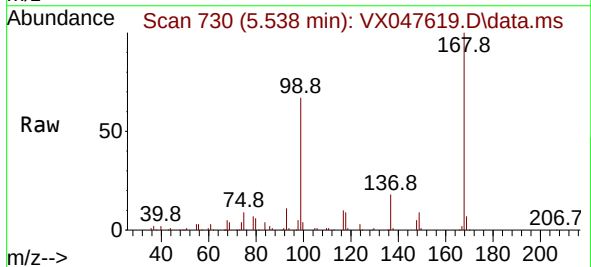
Tgt Ion: 56 Resp: 3735

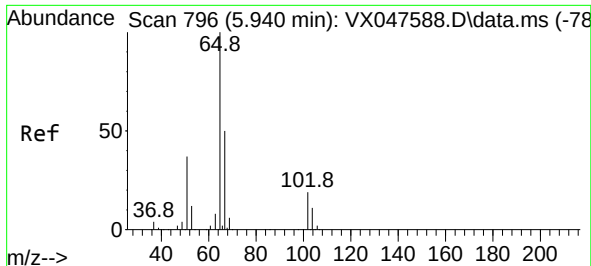
Ion Ratio Lower Upper

56 100

69 124.1 23.8 35.8#

84 126.1 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 50.136 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047619.D

Acq: 17 Sep 2025 15:30

Instrument :

MSVOA_X

ClientSampleId :

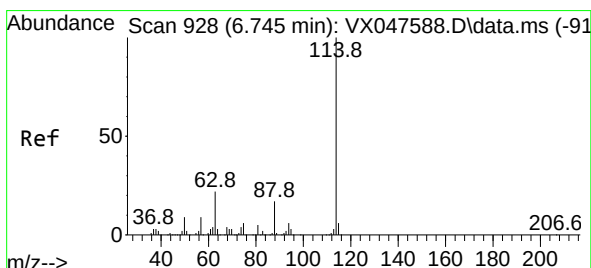
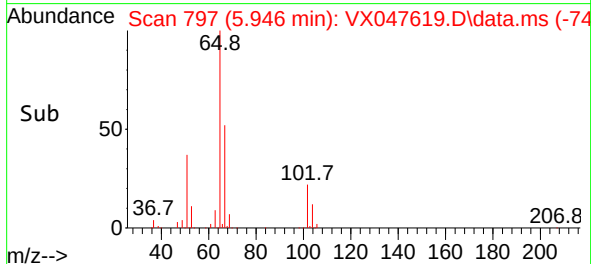
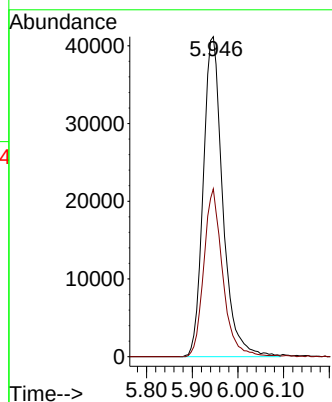
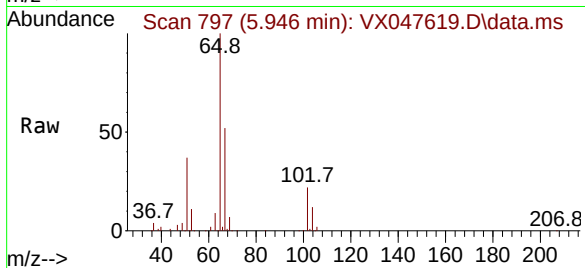
MW305D-20250909

Tgt Ion: 65 Resp: 122351

Ion Ratio Lower Upper

65 100

67 50.6 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: VX047619.D

Acq: 17 Sep 2025 15:30

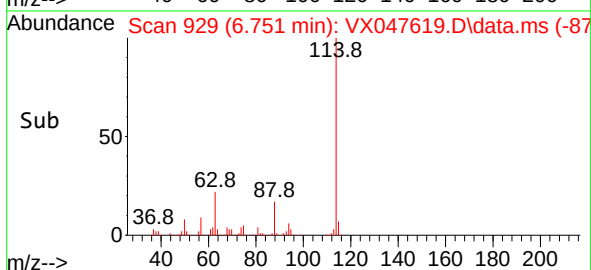
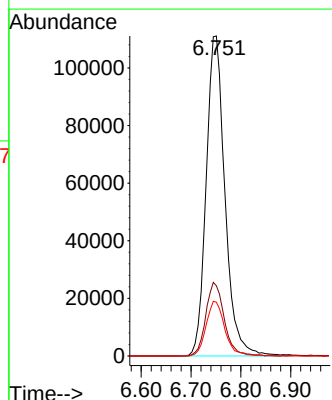
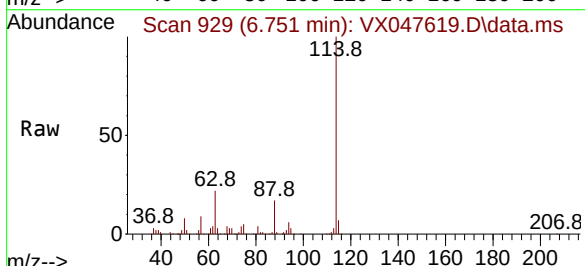
Tgt Ion: 114 Resp: 290828

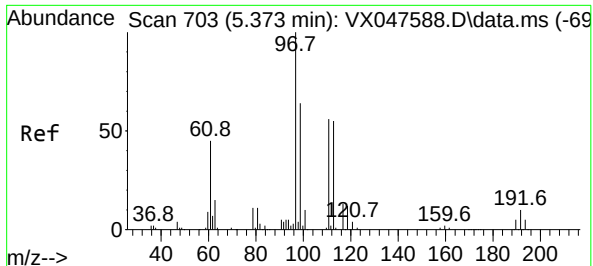
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.0

88 16.8 0.0 34.2

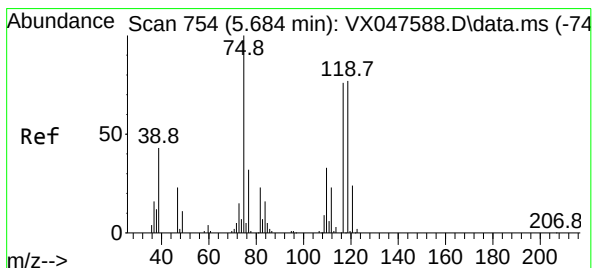
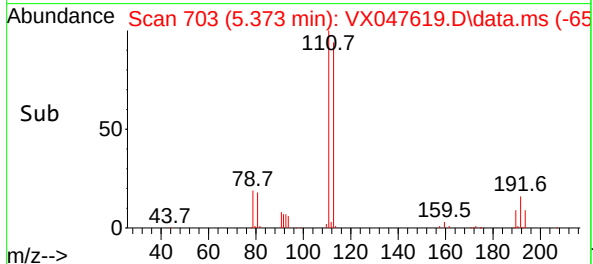
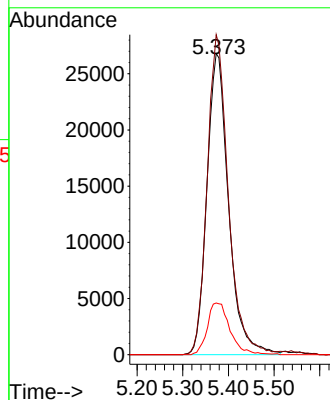
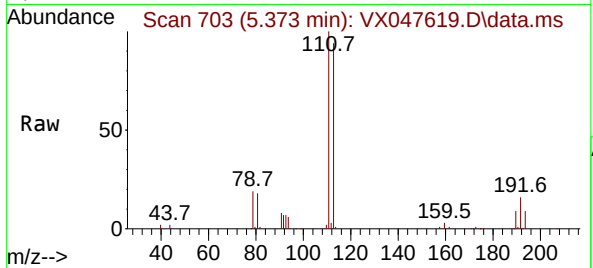




#35
Dibromofluoromethane
Concen: 45.289 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

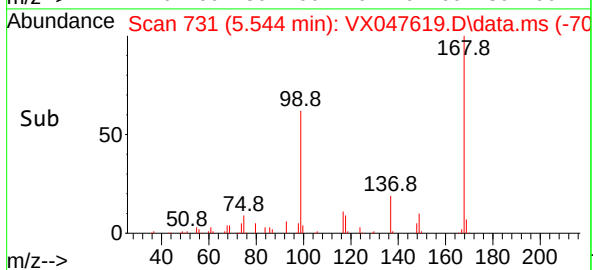
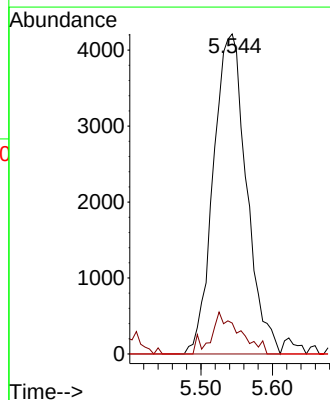
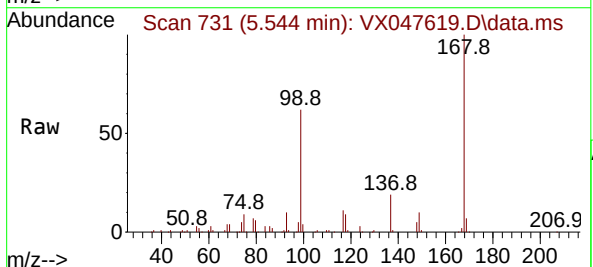
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

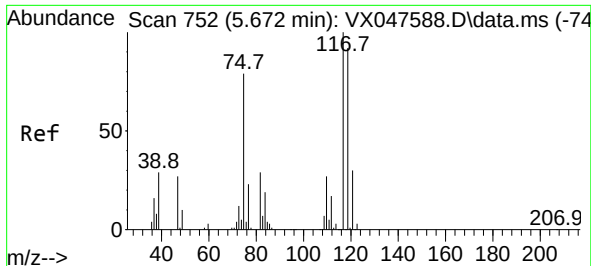
Tgt Ion:113 Resp: 88334
Ion Ratio Lower Upper
113 100
111 104.0 80.9 121.3
192 18.0 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.746 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

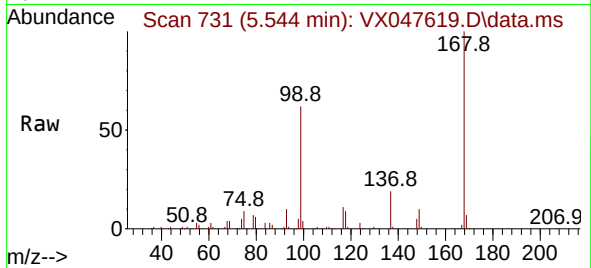
Tgt Ion: 75 Resp: 13526
Ion Ratio Lower Upper
75 100
110 10.4 16.7 50.1#
77 0.0 24.3 36.5#



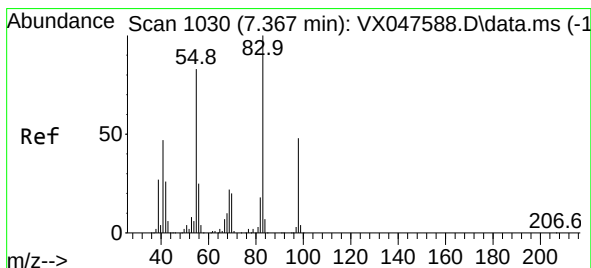
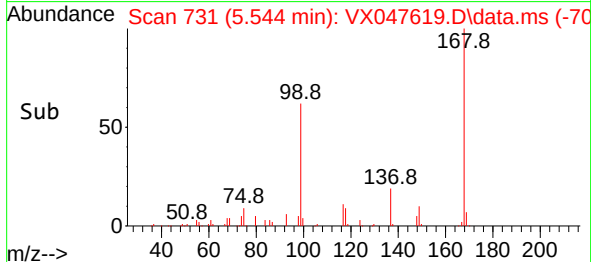
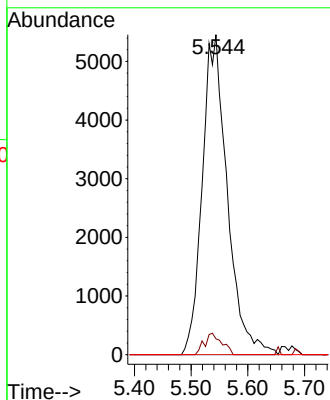


#38
Carbon Tetrachloride
Concen: 5.396 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

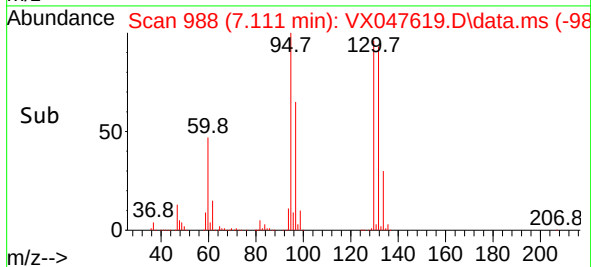
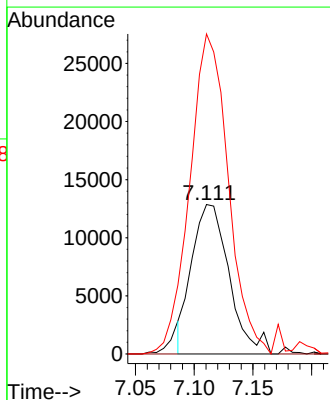
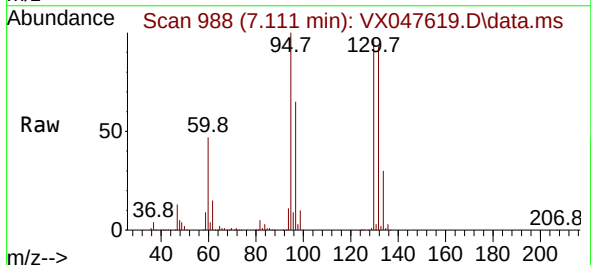


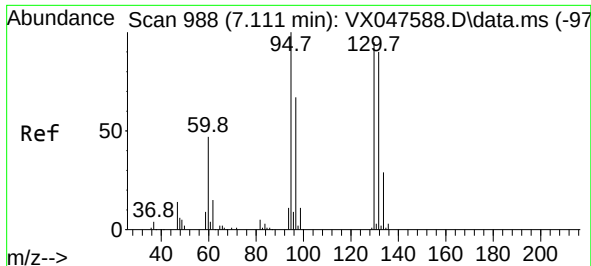
Tgt Ion: 117 Resp: 16711
Ion Ratio Lower Upper
117 100
119 4.9 73.4 110.2#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 8.776 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.256 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion: 83 Resp: 28392
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 300.9 38.1 57.1#





#44

Trichloroethene

Concen: 1144.848 ug/l

RT: 7.117 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX047619.D

Acq: 17 Sep 2025 15:30

Instrument :

MSVOA_X

ClientSampleId :

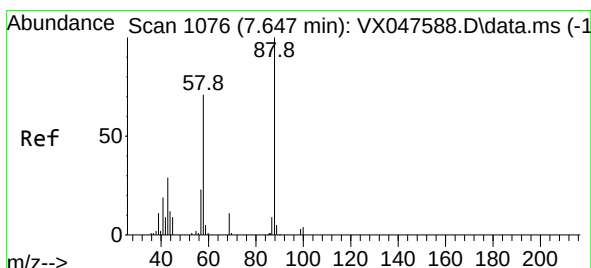
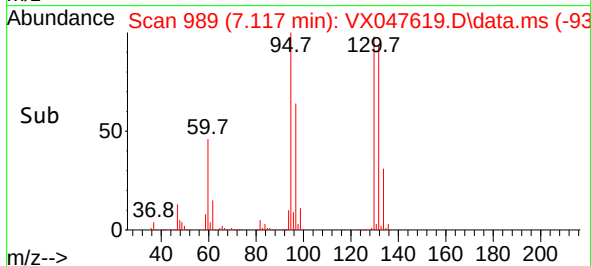
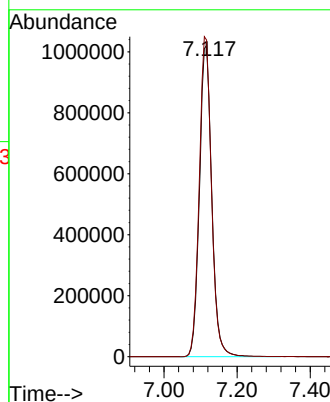
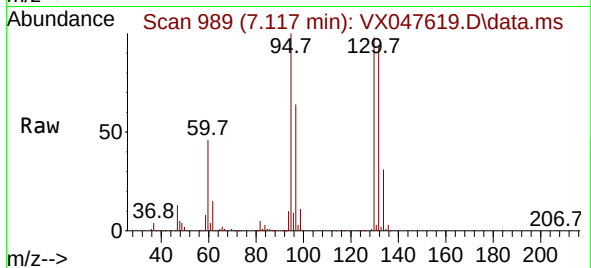
MW305D-20250909

Tgt Ion:130 Resp: 2395935

Ion Ratio Lower Upper

130 100

95 101.7 0.0 210.8



#49

1,4-Dioxane

Concen: 0.873 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.012 min

Lab File: VX047619.D

Acq: 17 Sep 2025 15:30

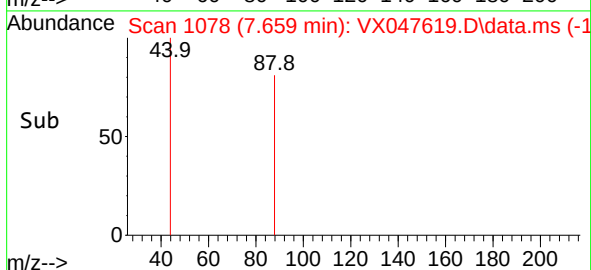
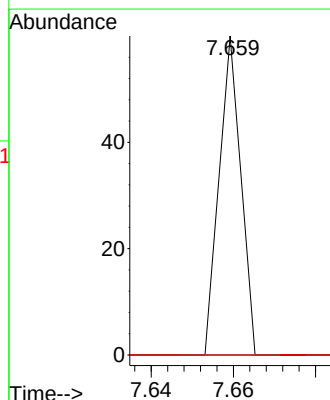
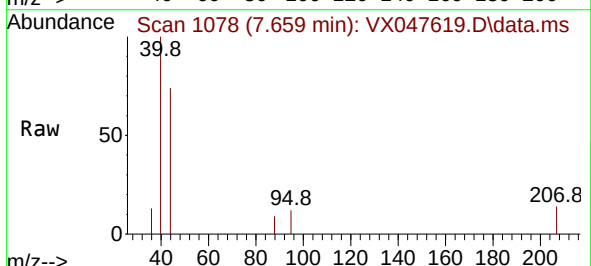
Tgt Ion: 88 Resp: 22

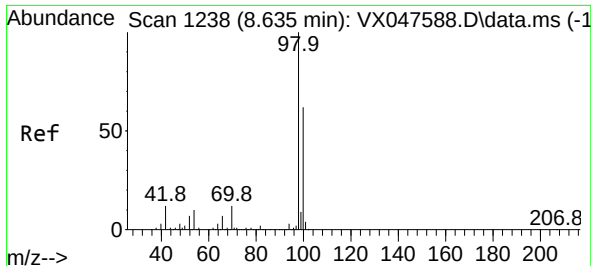
Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.2#

58 0.0 59.5 89.3#

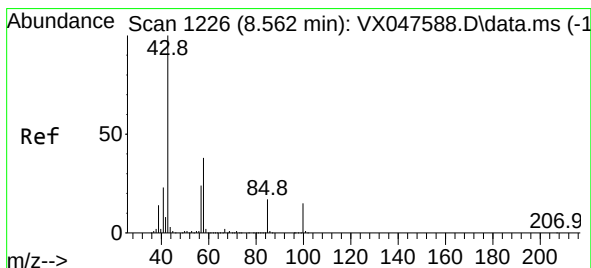
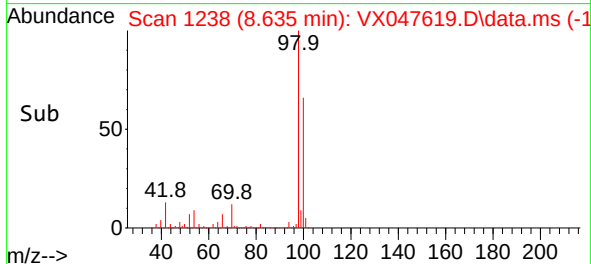
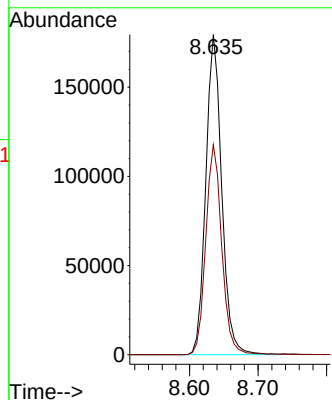
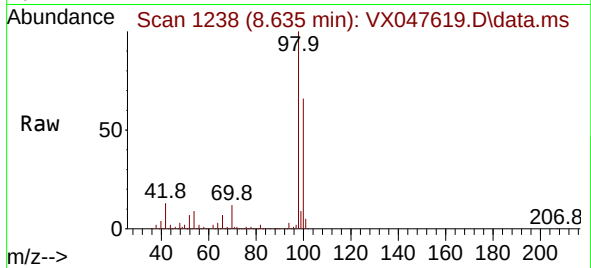




#50
Toluene-d8
Concen: 43.033 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

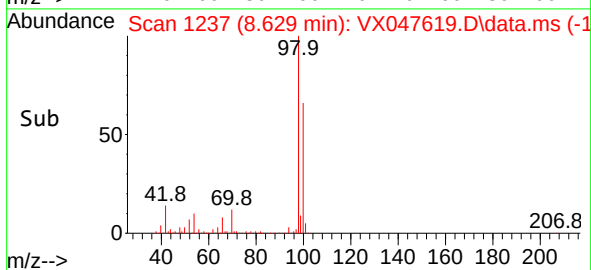
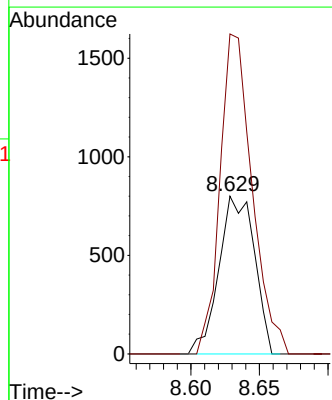
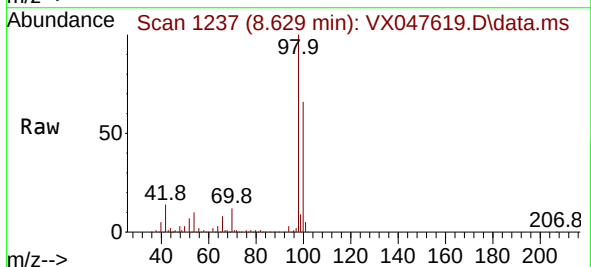
Instrument :
MSVOA_X
ClientSampleId :
MW305D-20250909

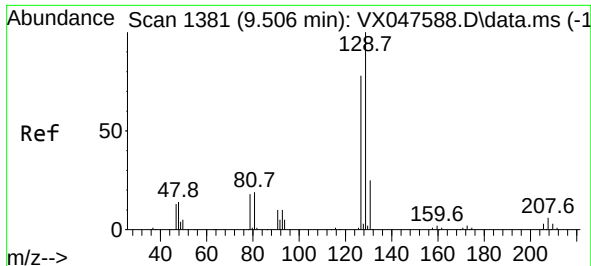
Tgt Ion: 98 Resp: 290425
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.520 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. 0.067 min
Lab File: VX047619.D
Acq: 17 Sep 2025 15:30

Tgt Ion: 43 Resp: 1444
Ion Ratio Lower Upper
43 100
58 183.0 30.3 45.5#





#60

Dibromochloromethane

Concen: 1.142 ug/l

RT: 9.256 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX047619.D

Acq: 17 Sep 2025 15:30

Instrument :

MSVOA_X

ClientSampleId :

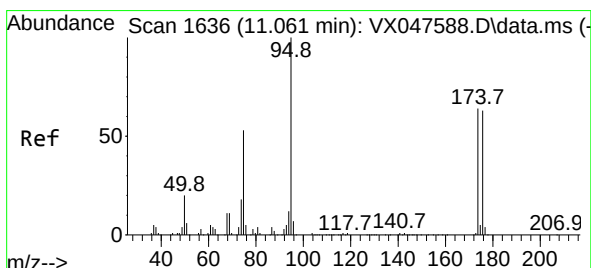
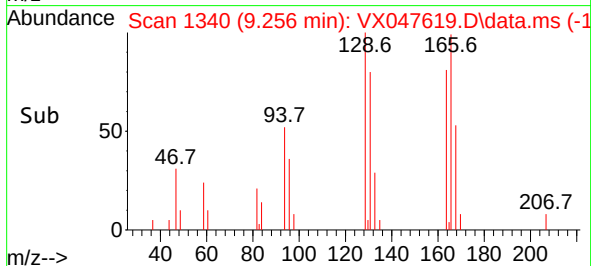
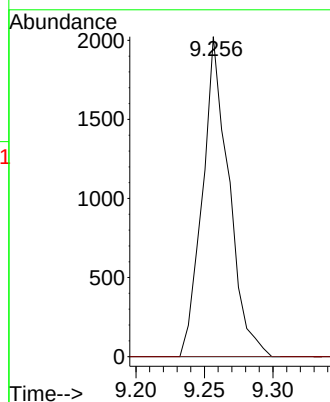
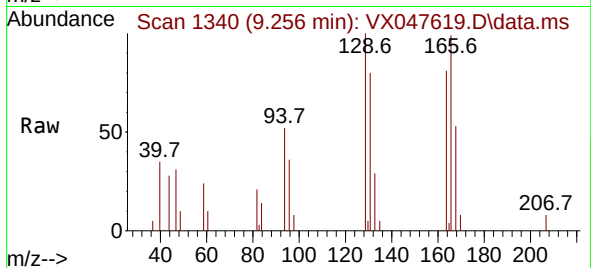
MW305D-20250909

Tgt Ion:129 Resp: 2707

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



#62

4-Bromofluorobenzene

Concen: 45.063 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX047619.D

Acq: 17 Sep 2025 15:30

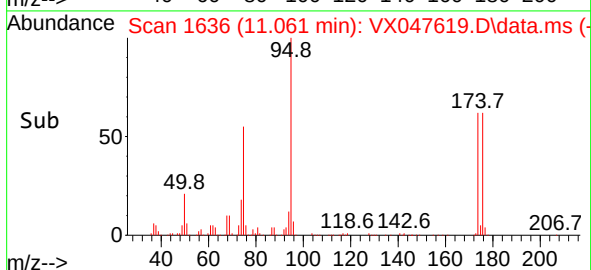
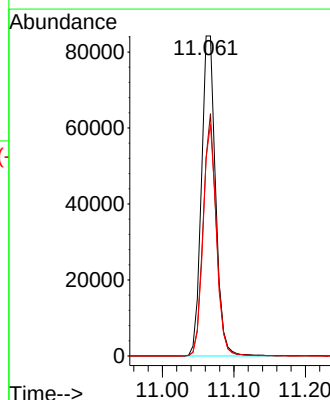
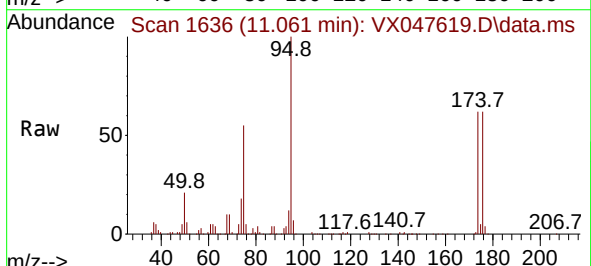
Tgt Ion: 95 Resp: 115422

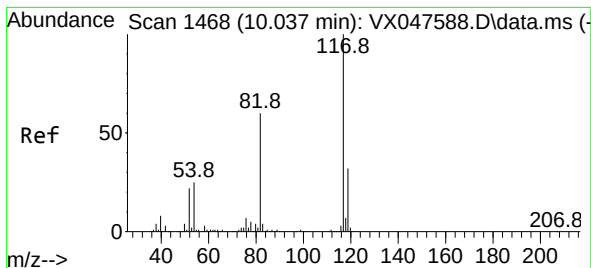
Ion Ratio Lower Upper

95 100

174 70.4 0.0 141.6

176 68.3 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: VX047619.D

Acq: 17 Sep 2025 15:30

Instrument :

MSVOA_X

ClientSampleId :

MW305D-20250909

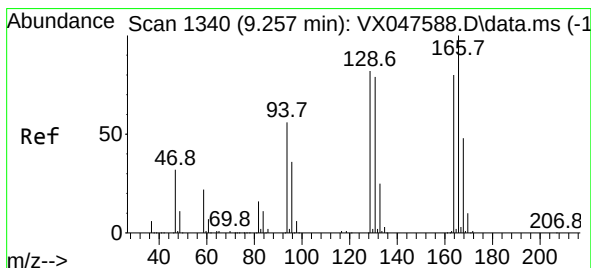
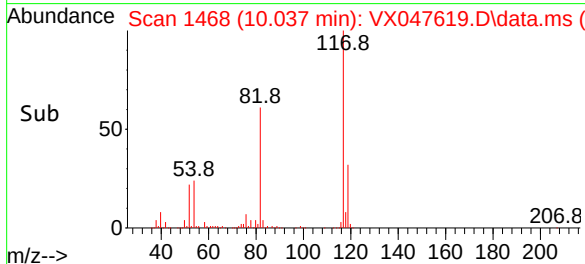
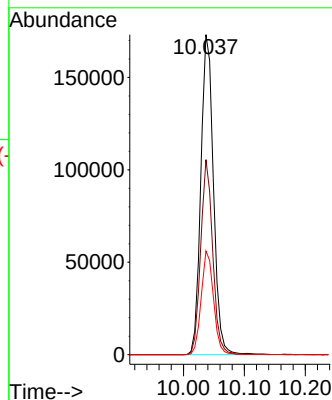
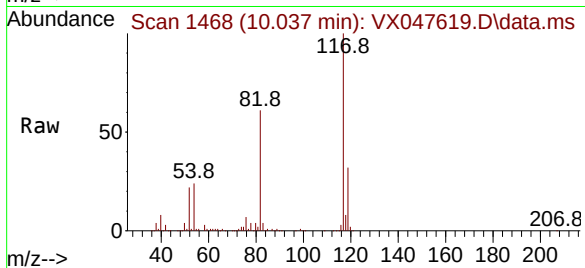
Tgt Ion:117 Resp: 250024

Ion Ratio Lower Upper

117 100

82 61.0 47.8 71.6

119 32.4 25.2 37.8



#64

Tetrachloroethene

Concen: 1.736 ug/l

RT: 9.263 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047619.D

Acq: 17 Sep 2025 15:30

Tgt Ion:164 Resp: 2830

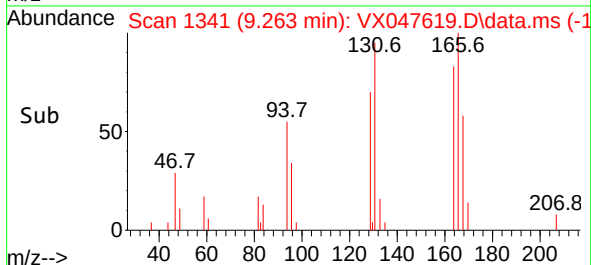
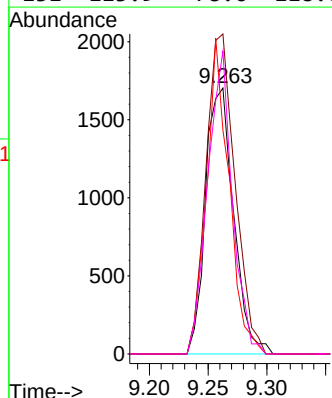
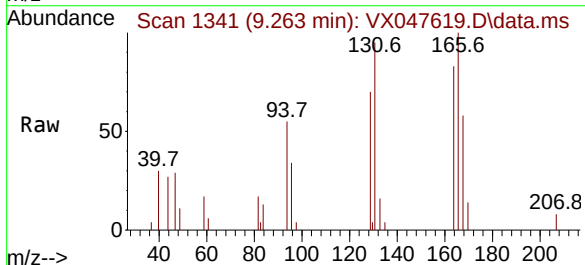
Ion Ratio Lower Upper

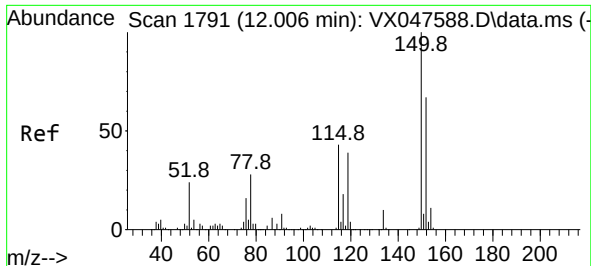
164 100

166 120.4 100.2 150.2

129 84.2 81.8 122.6

131 113.9 78.6 118.0

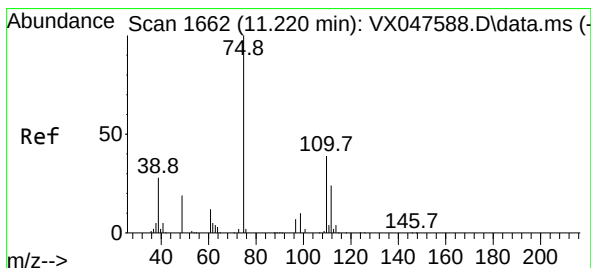
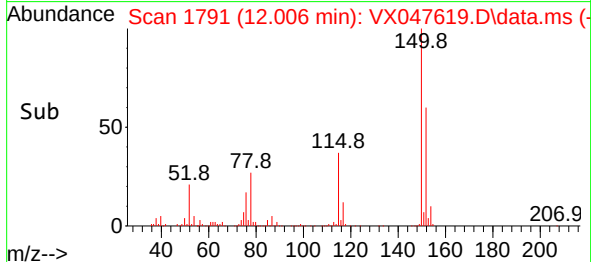
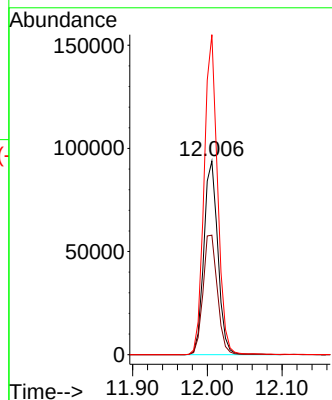
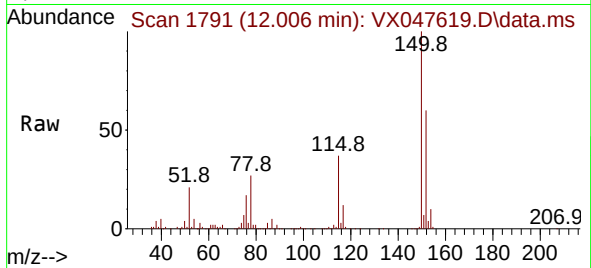




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047619.D
 Acq: 17 Sep 2025 15:30

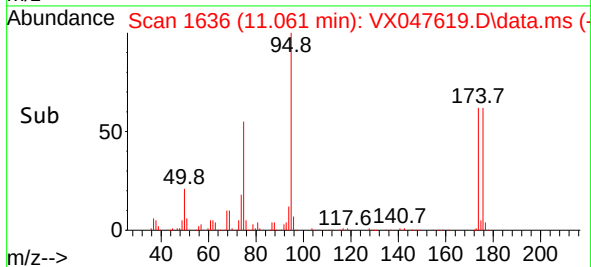
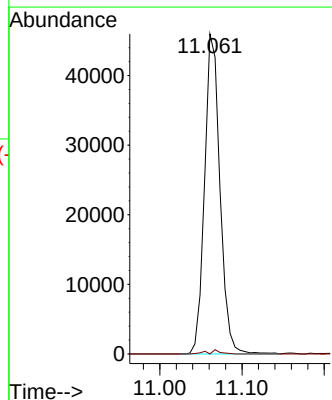
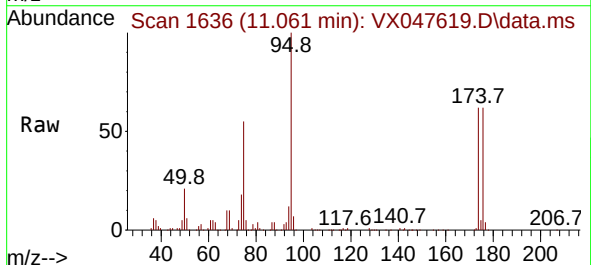
Instrument :
 MSVOA_X
 ClientSampleId :
 MW305D-20250909

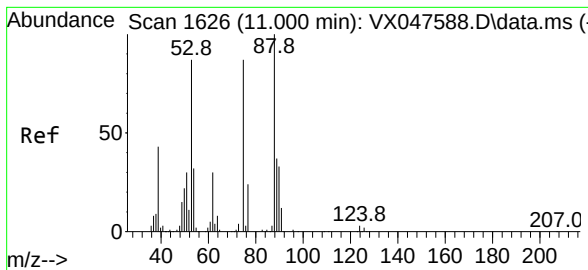
Tgt Ion:152 Resp: 122022
 Ion Ratio Lower Upper
 152 100
 115 63.4 44.9 134.5
 150 158.9 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.203 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047619.D
 Acq: 17 Sep 2025 15:30

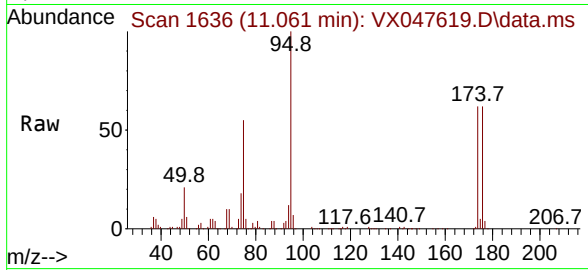
Tgt Ion: 75 Resp: 59794
 Ion Ratio Lower Upper
 75 100
 77 0.6 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.720 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047619.D
 Acq: 17 Sep 2025 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 MW305D-20250909



Tgt Ion: 75 Resp: 59794
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

