

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047421.D
 Acq On : 19 Aug 2025 18:22
 Operator : JC/MD
 Sample : Q2869-01 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-71.5-081325

Quant Time: Aug 20 01:31:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

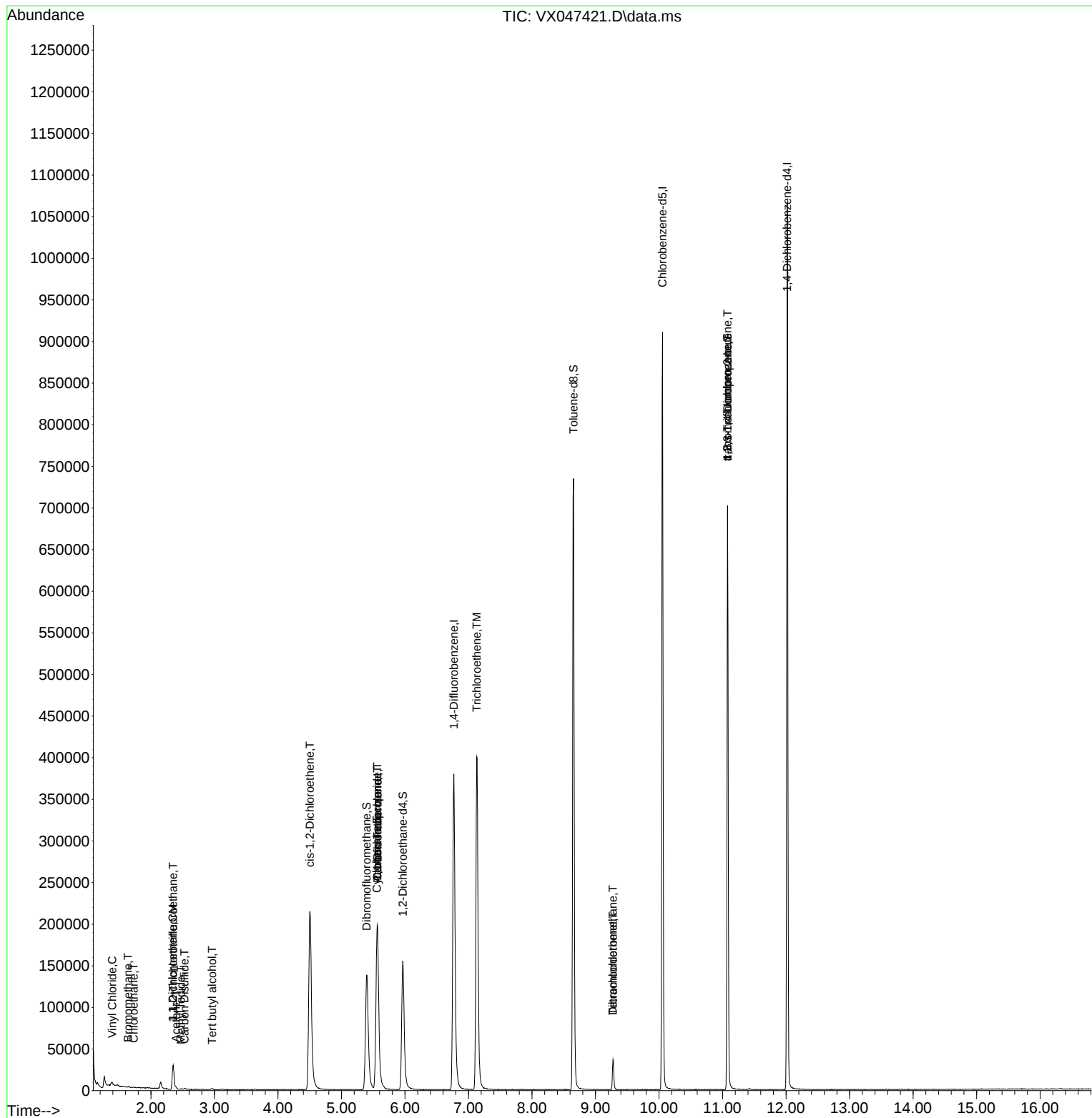
Internal Standards						
1) Pentafluorobenzene	5.568	168	199878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	404740	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	406772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	161847	57.857	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 115.720%	
35) Dibromofluoromethane	5.397	113	132697	50.517	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.040%	
50) Toluene-d8	8.653	98	463512	49.368	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.740%	
62) 4-Bromofluorobenzene	11.079	95	190416	54.959	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.920%	
Target Compounds						Qvalue
4) Vinyl Chloride	1.392	62	1048	0.364	ug/l #	71
5) Bromomethane	1.636	94	324	0.279	ug/l #	59
6) Chloroethane	1.727	64	895	0.508	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	2.349	101	12950	5.246	ug/l	98
10) Methyl Iodide	2.471	142	1886	0.446	ug/l #	86
11) Tert butyl alcohol	2.965	59	70	0.288	ug/l #	1
12) 1,1-Dichloroethene	2.343	96	899	0.357	ug/l #	75
16) Acetone	2.392	43	2004	1.906	ug/l #	84
17) Carbon Disulfide	2.526	76	1729	0.228	ug/l #	75
27) cis-1,2-Dichloroethene	4.501	96	151907	48.828	ug/l	90
31) Cyclohexane	5.556	56	4379	0.973	ug/l #	10
36) 1,1-Dichloropropene	5.562	75	16764	4.043	ug/l #	52
38) Carbon Tetrachloride	5.562	117	21284	4.697	ug/l #	14
44) Trichloroethene	7.129	130	170320	53.593	ug/l	100
60) Dibromochloromethane	9.275	129	6800	1.965	ug/l #	11
64) Tetrachloroethene	9.275	164	7149	2.430	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	99762	25.817	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	99762	102.434	ug/l #	7

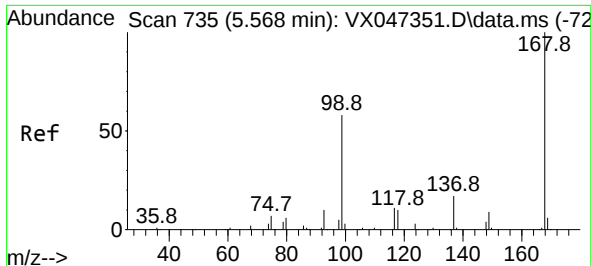
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.568 min Scan# 71

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

Instrument :

MSVOA_X

ClientSampleId :

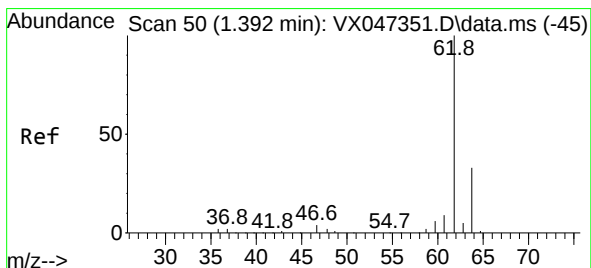
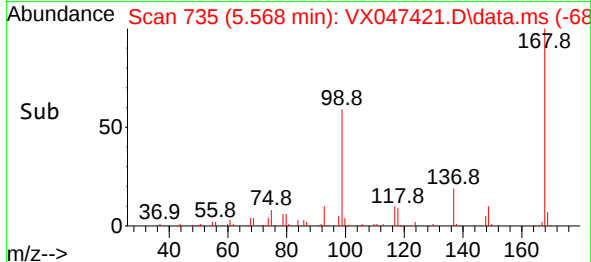
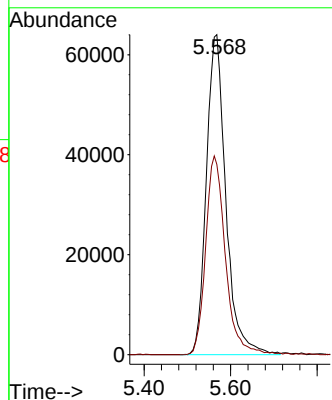
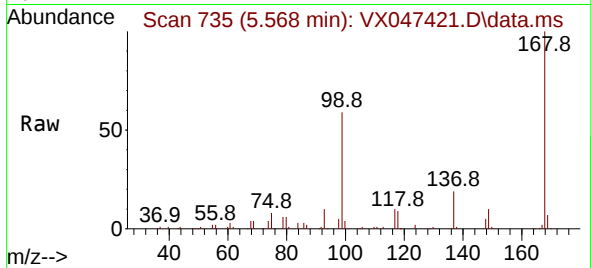
MW-19B-71.5-081325

Tgt Ion:168 Resp: 199878

Ion Ratio Lower Upper

168 100

99 59.5 47.9 71.9



#4

Vinyl Chloride

Concen: 0.364 ug/l

RT: 1.392 min Scan# 50

Delta R.T. 0.000 min

Lab File: VX047421.D

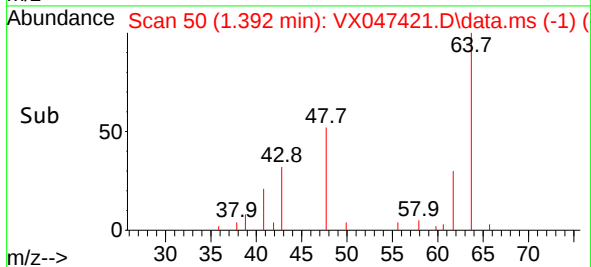
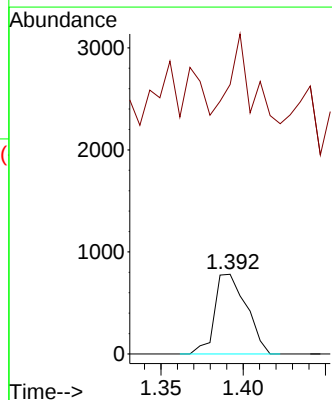
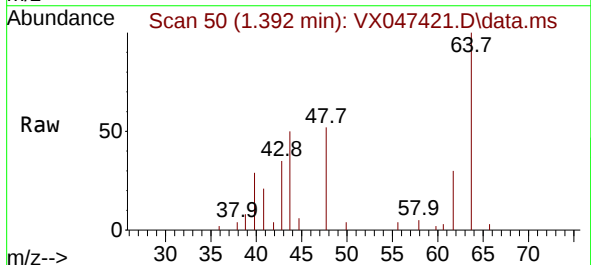
Acq: 19 Aug 2025 18:22

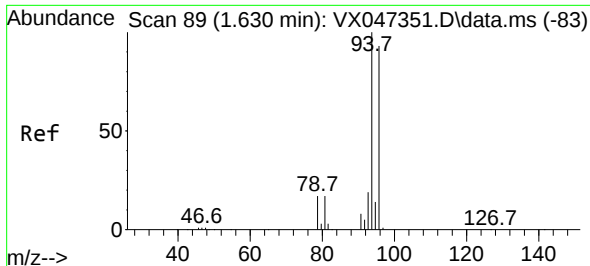
Tgt Ion: 62 Resp: 1048

Ion Ratio Lower Upper

62 100

64 49.3 26.5 39.7#

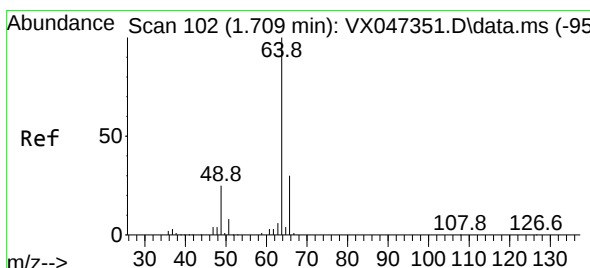
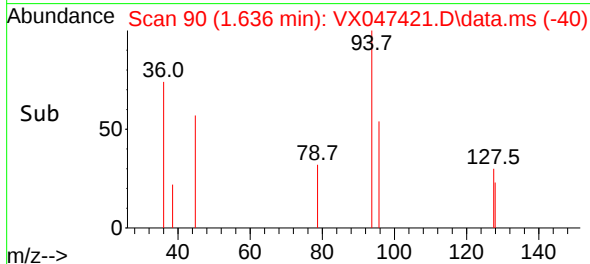
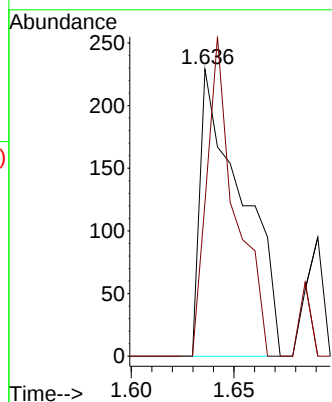
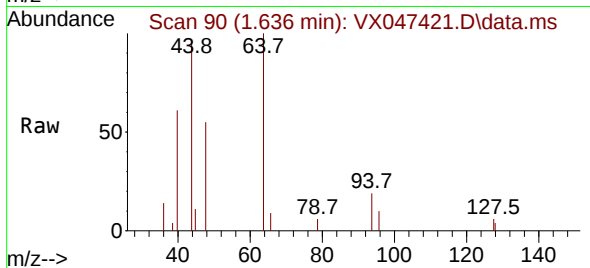




#5
Bromomethane
Concen: 0.279 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

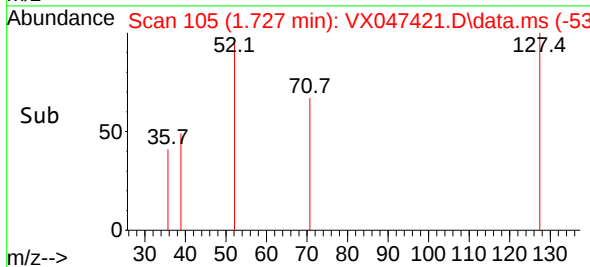
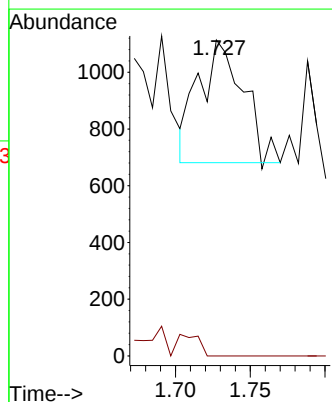
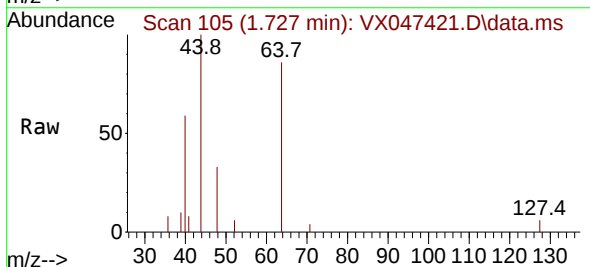
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

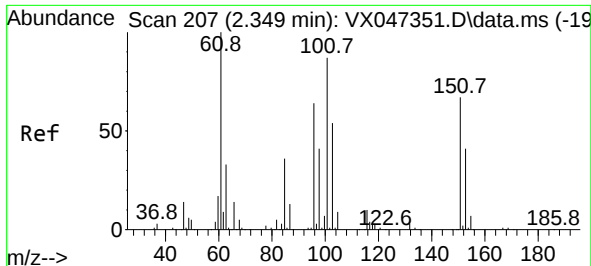
Tgt Ion: 94 Resp: 324
Ion Ratio Lower Upper
94 100
96 53.7 74.7 112.1#



#6
Chloroethane
Concen: 0.508 ug/l
RT: 1.727 min Scan# 105
Delta R.T. 0.018 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion: 64 Resp: 895
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#

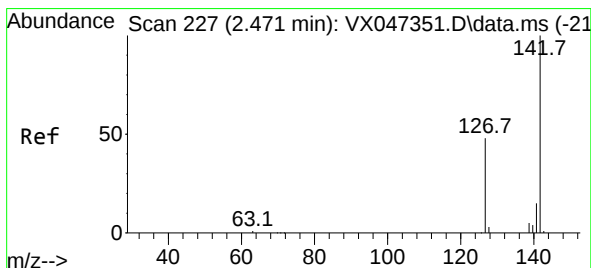
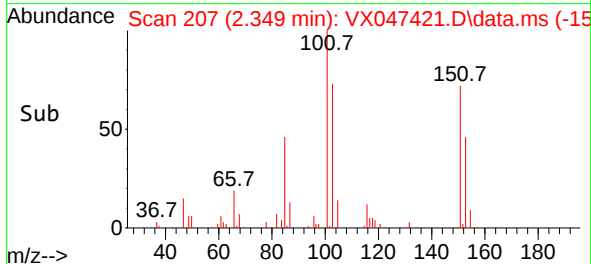
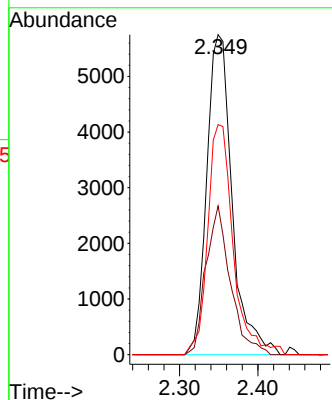
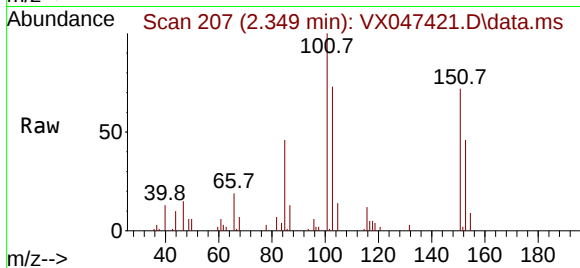




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.246 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

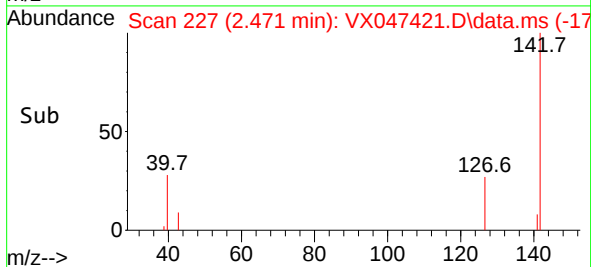
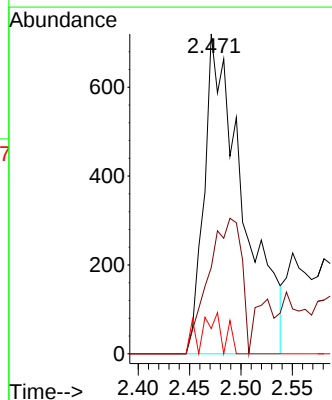
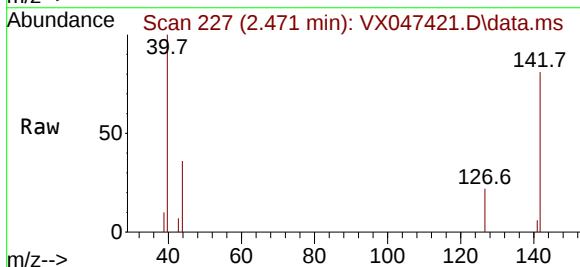
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

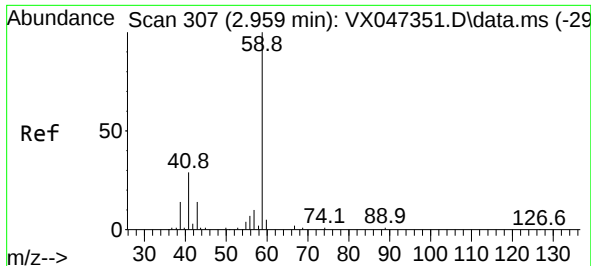
Tgt Ion:	101	Resp:	12950
Ion	Ratio	Lower	Upper
101	100		
85	44.8	34.3	51.5
151	72.1	59.2	88.8



#10
Methyl Iodide
Concen: 0.446 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion:	142	Resp:	1886
Ion	Ratio	Lower	Upper
142	100		
127	35.9	36.1	54.1#
141	7.5	11.1	16.7#

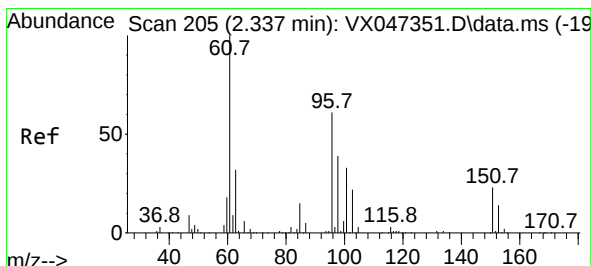
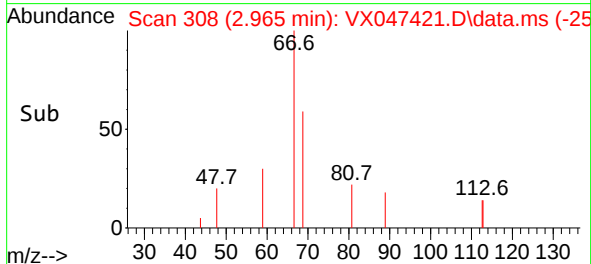
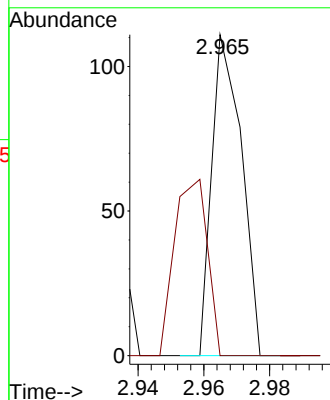
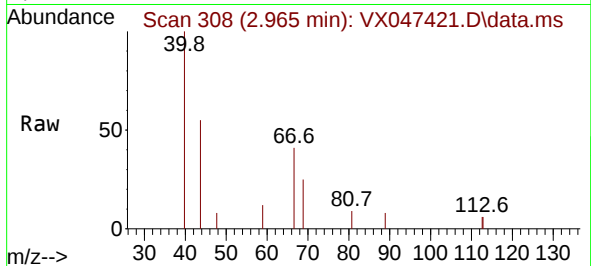




#11
Tert butyl alcohol
Concen: 0.288 ug/l
RT: 2.965 min Scan# 307
Delta R.T. 0.006 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

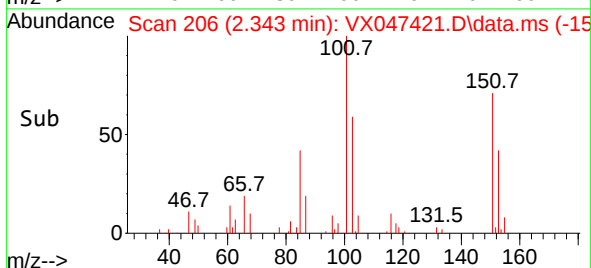
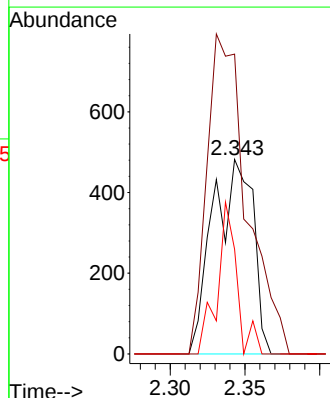
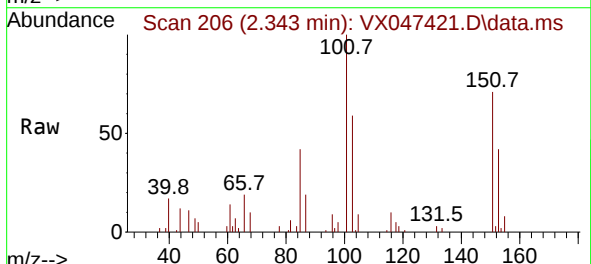
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

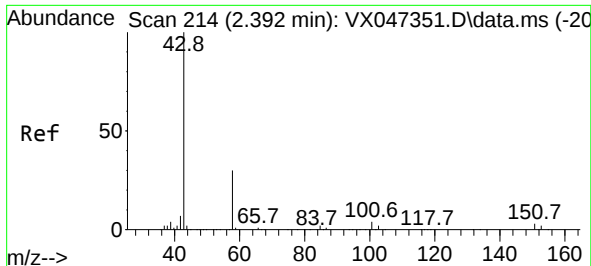
Tgt Ion: 59 Resp: 70
Ion Ratio Lower Upper
59 100
57 60.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 0.357 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion: 96 Resp: 899
Ion Ratio Lower Upper
96 100
61 130.8 132.2 198.2#
98 45.6 51.2 76.8#

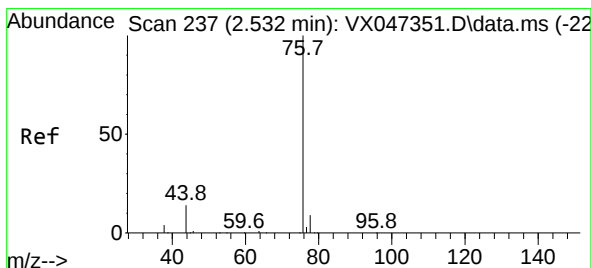
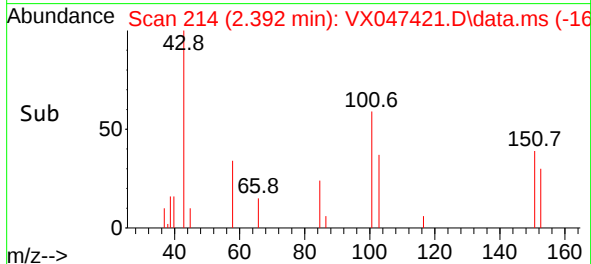
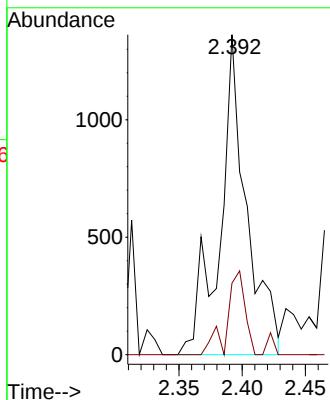
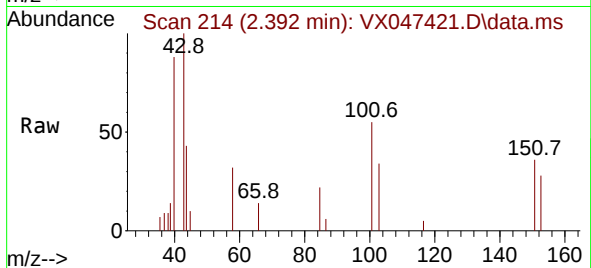




#16
Acetone
Concen: 1.906 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

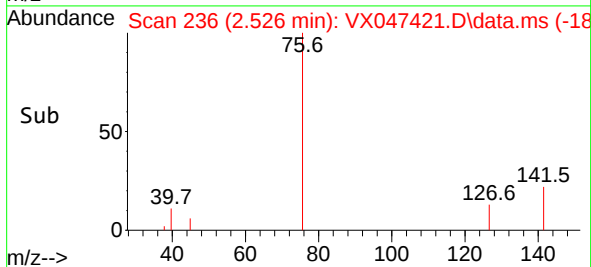
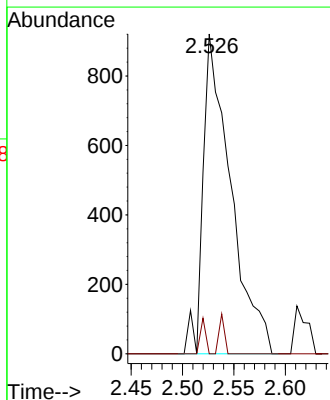
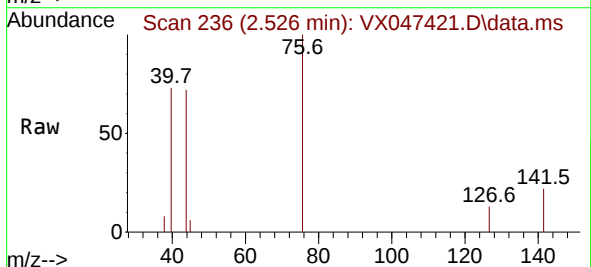
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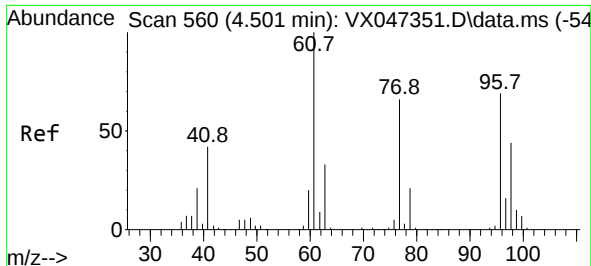
Tgt Ion: 43 Resp: 2004
Ion Ratio Lower Upper
43 100
58 22.3 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.228 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion: 76 Resp: 1729
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#27

cis-1,2-Dichloroethene

Concen: 48.828 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

Instrument :

MSVOA_X

ClientSampleId :

MW-19B-71.5-081325

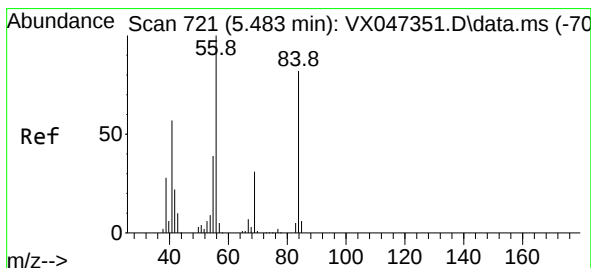
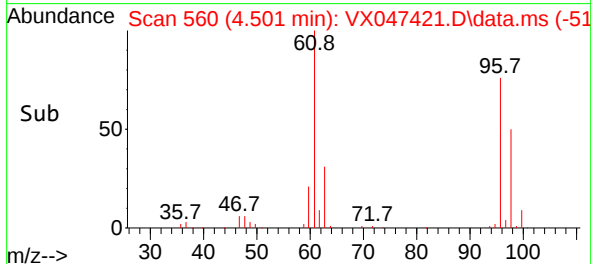
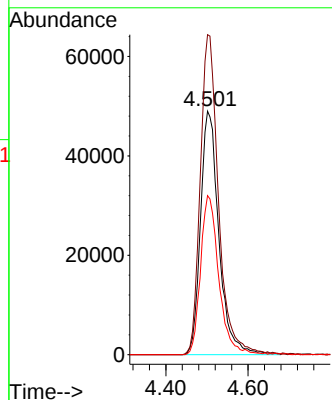
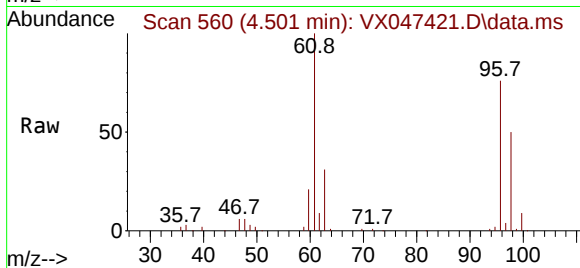
Tgt Ion: 96 Resp: 151907

Ion Ratio Lower Upper

96 100

61 130.7 0.0 296.6

98 64.8 0.0 130.4



#31

Cyclohexane

Concen: 0.973 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.073 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

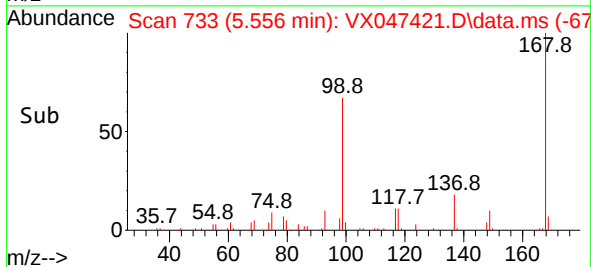
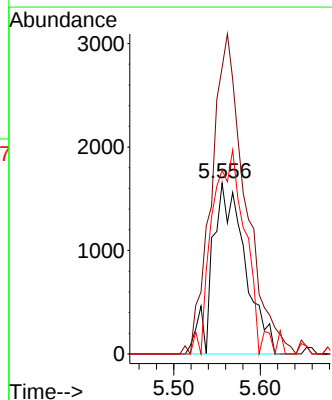
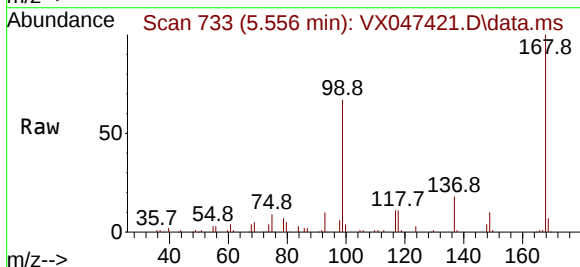
Tgt Ion: 56 Resp: 4379

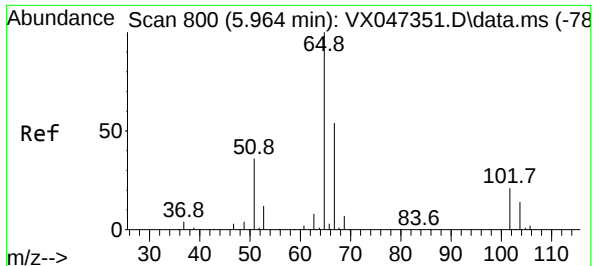
Ion Ratio Lower Upper

56 100

69 167.8 24.3 36.5#

84 107.6 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 57.857 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

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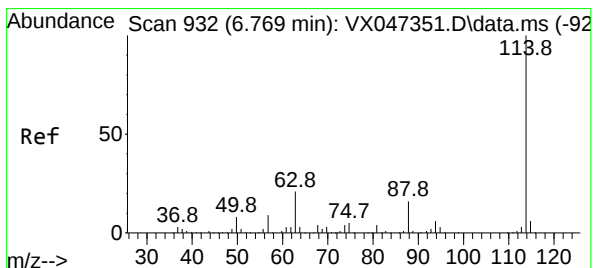
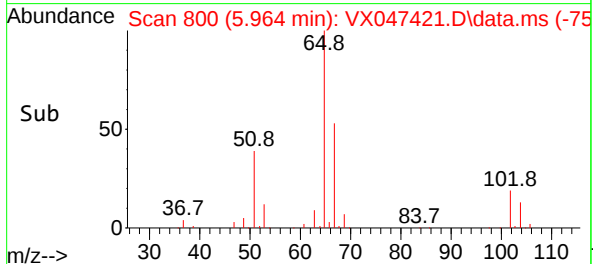
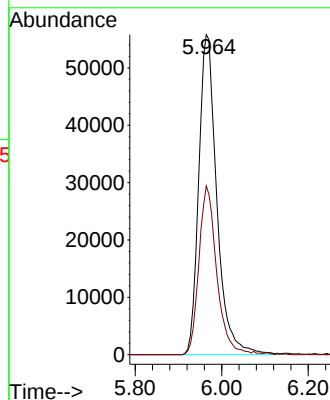
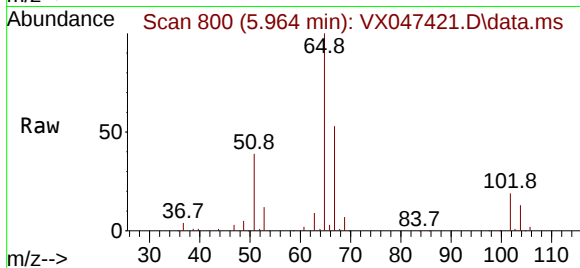
MW-19B-71.5-081325

Tgt Ion: 65 Resp: 161847

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

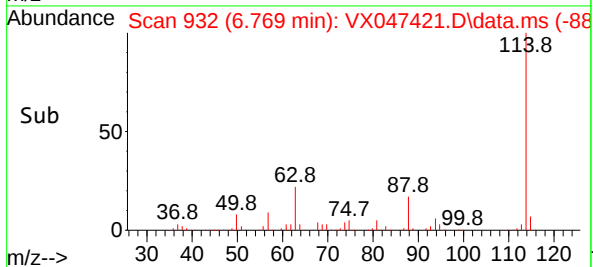
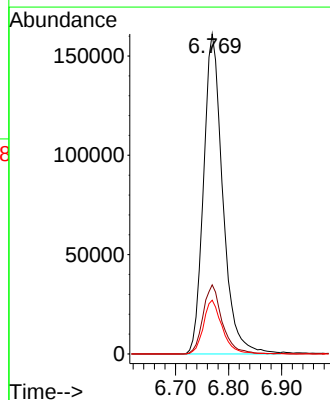
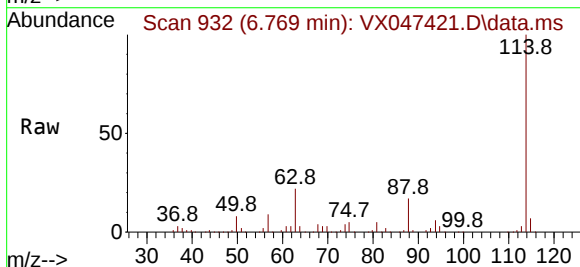
Tgt Ion: 114 Resp: 404740

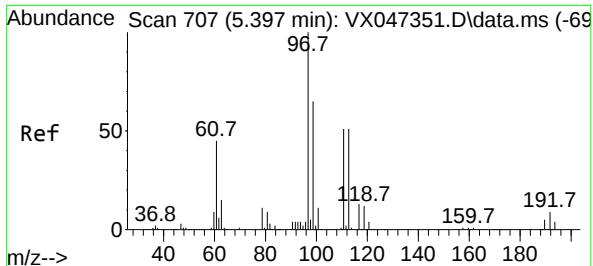
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 16.8 0.0 33.0

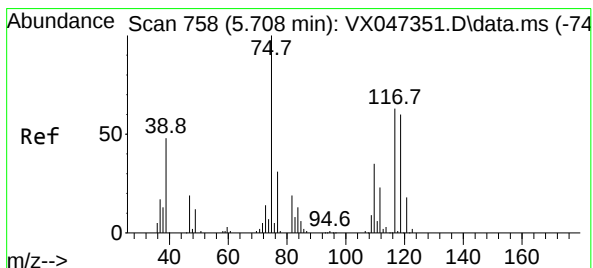
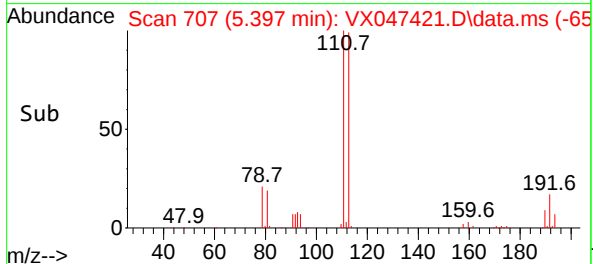
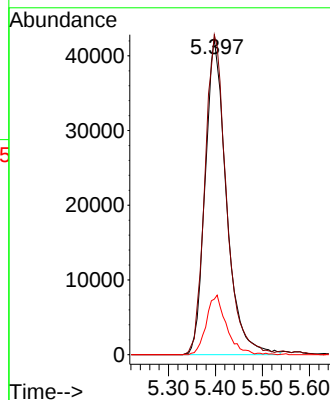
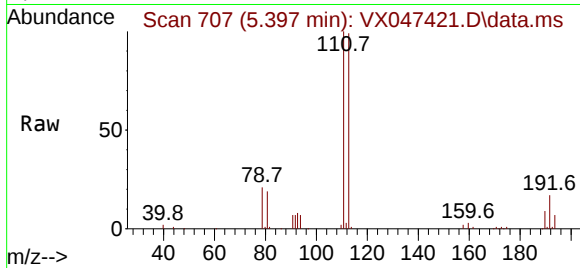




#35
Dibromofluoromethane
Concen: 50.517 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

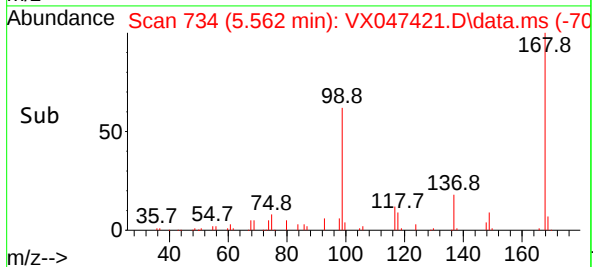
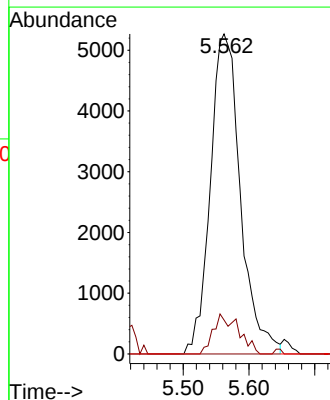
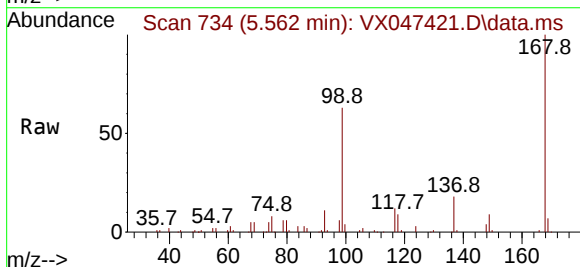
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

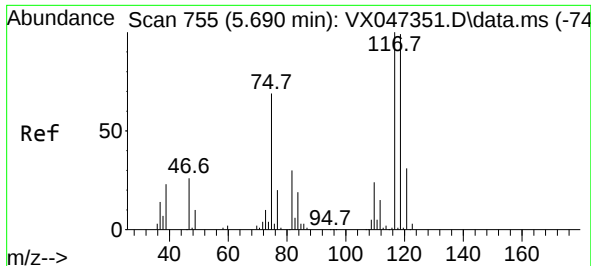
Tgt Ion:113 Resp: 132697
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.2
192 18.0 14.1 21.1



#36
1,1-Dichloropropene
Concen: 4.043 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

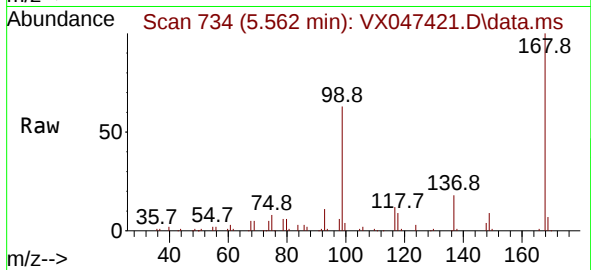
Tgt Ion: 75 Resp: 16764
Ion Ratio Lower Upper
75 100
110 10.5 17.4 52.2#
77 0.0 24.4 36.6#



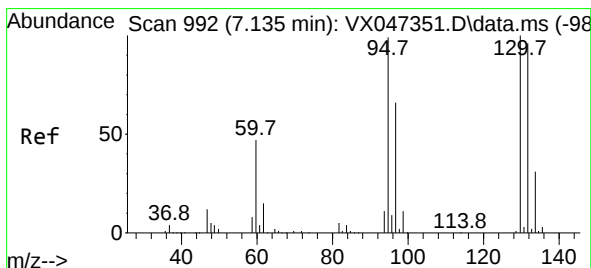
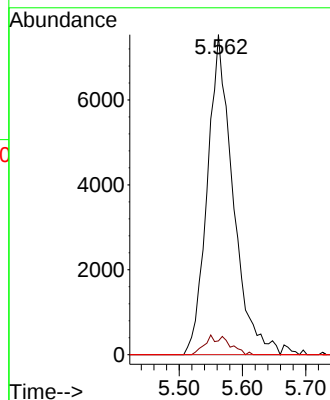
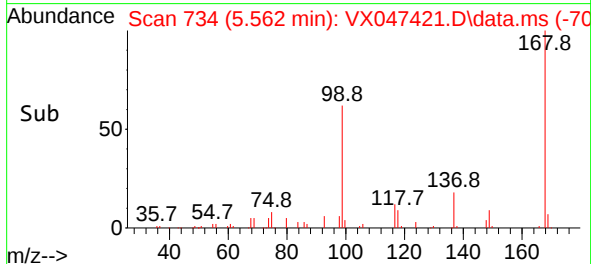


#38
Carbon Tetrachloride
Concen: 4.697 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

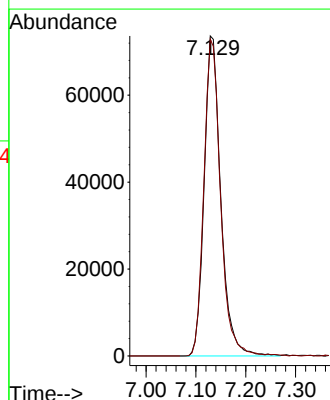
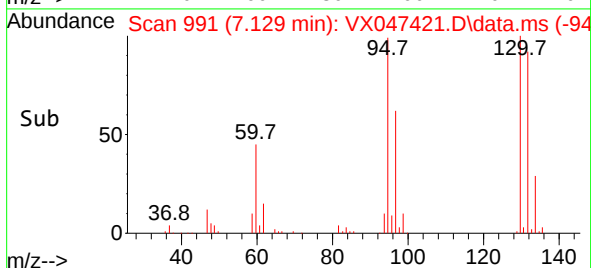
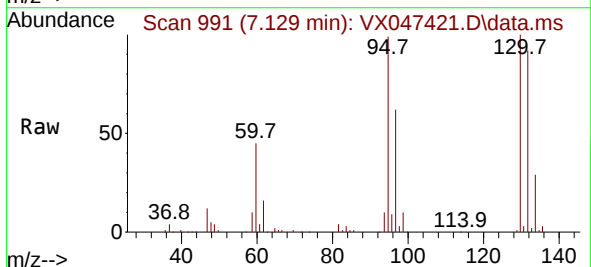


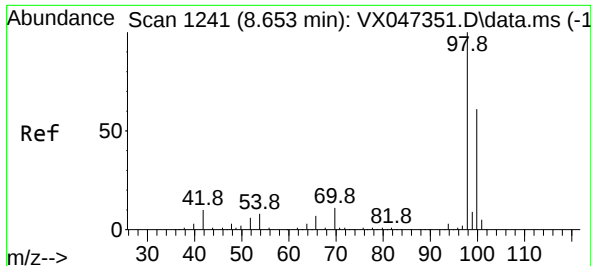
Tgt Ion:117 Resp: 21284
Ion Ratio Lower Upper
117 100
119 4.3 78.5 117.7#
121 0.0 24.7 37.1#



#44
Trichloroethene
Concen: 53.593 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion:130 Resp: 170320
Ion Ratio Lower Upper
130 100
95 99.0 0.0 198.6

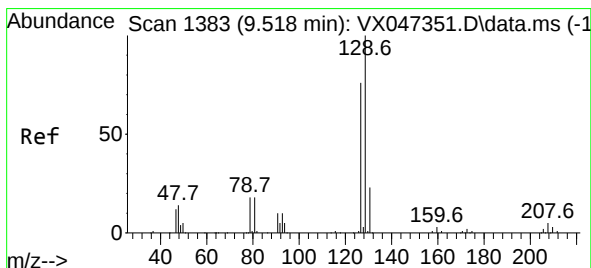
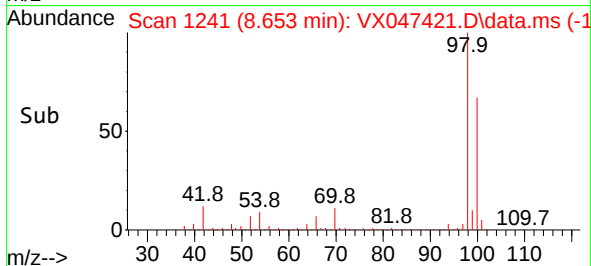
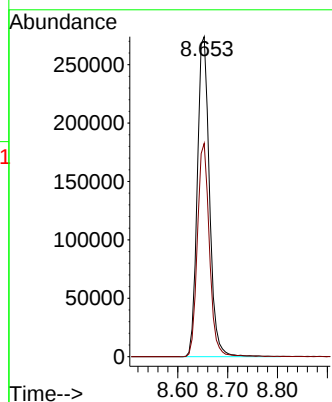
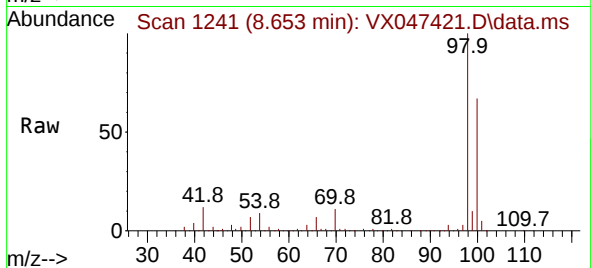




#50
Toluene-d8
Concen: 49.368 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

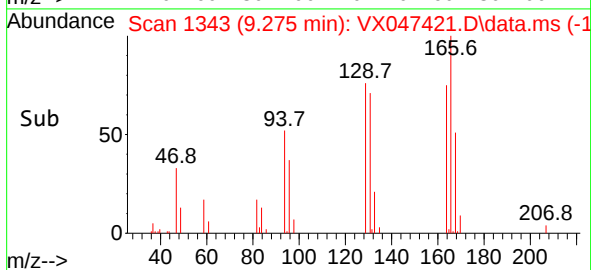
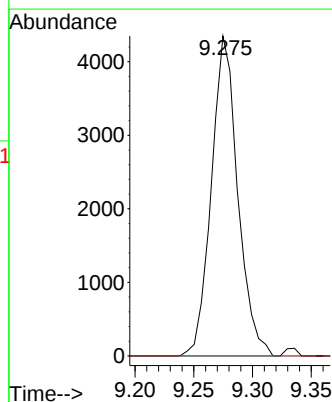
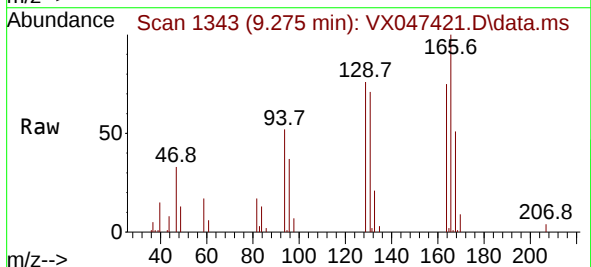
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

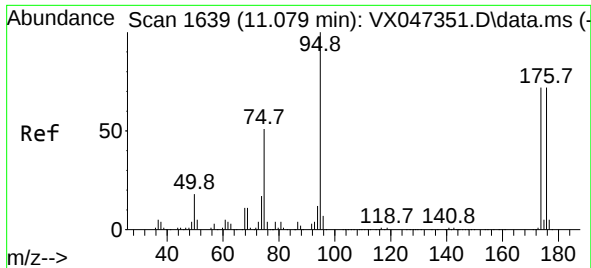
Tgt Ion: 98 Resp: 463512
Ion Ratio Lower Upper
98 100
100 65.8 53.9 80.9



#60
Dibromochloromethane
Concen: 1.965 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion:129 Resp: 6800
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#

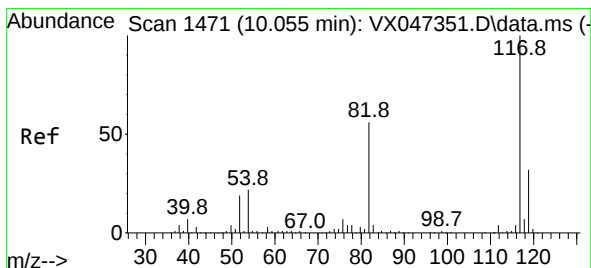
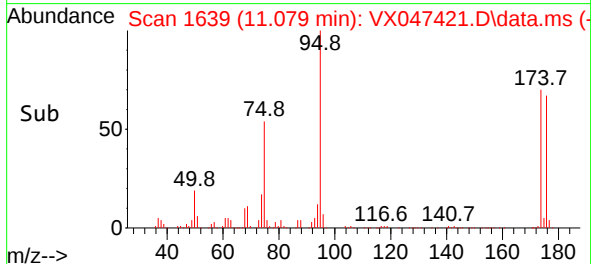
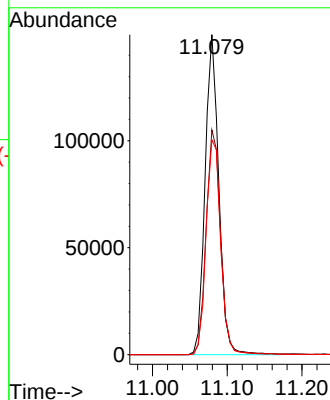
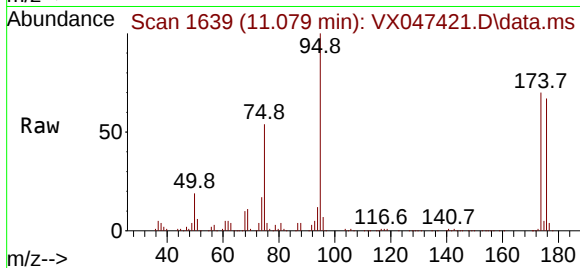




#62
4-Bromofluorobenzene
Concen: 54.959 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

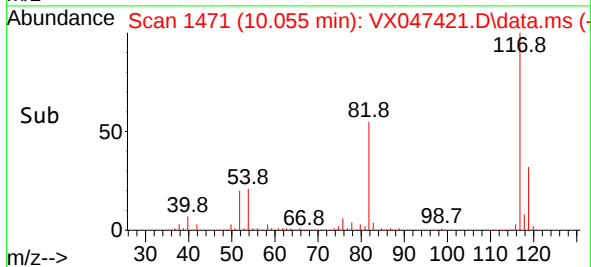
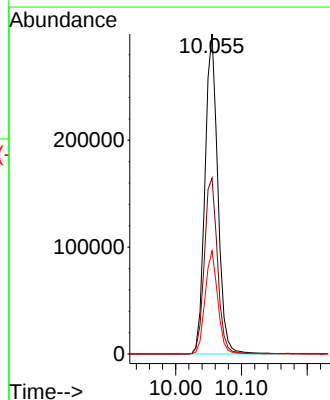
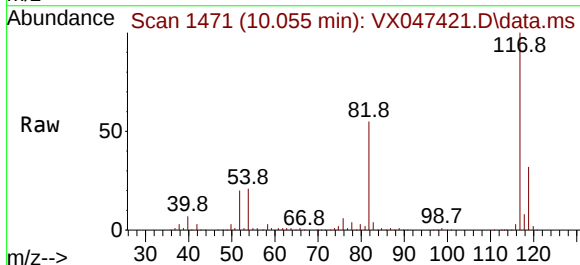
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

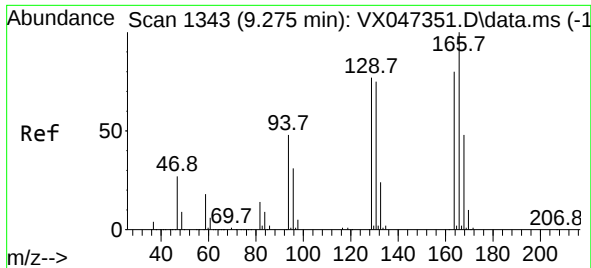
Tgt Ion: 95 Resp: 190416
Ion Ratio Lower Upper
95 100
174 74.5 0.0 148.0
176 71.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion: 117 Resp: 406772
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.4
119 32.2 25.8 38.8

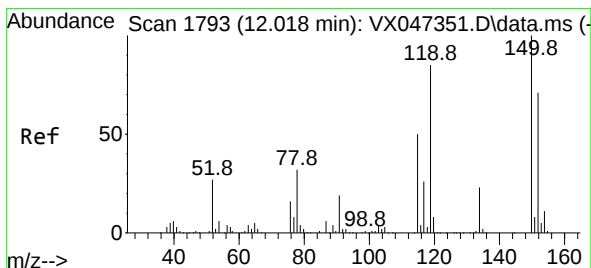
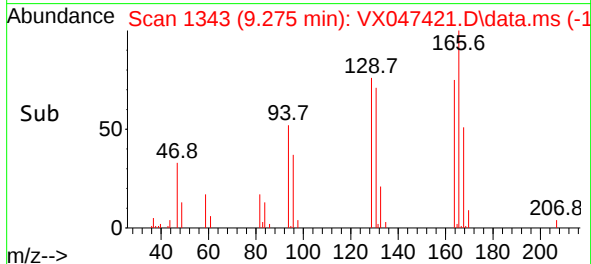
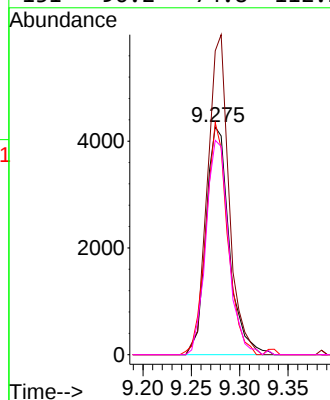
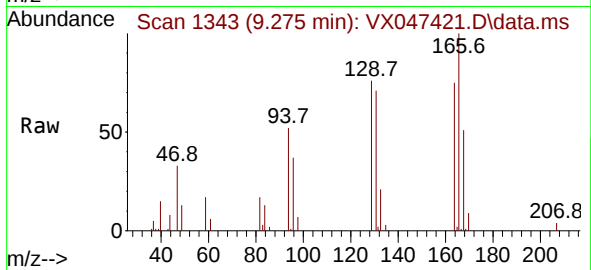




#64
Tetrachloroethene
Concen: 2.430 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

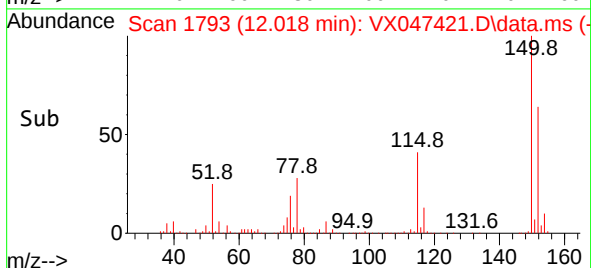
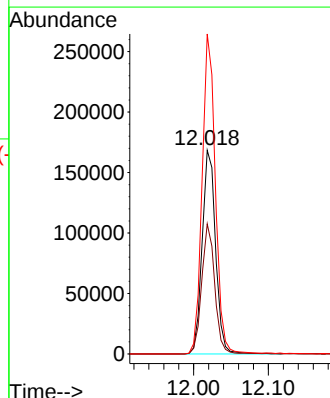
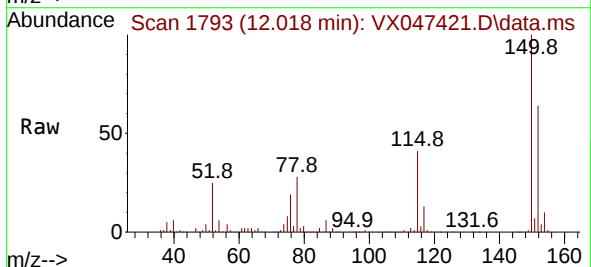
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-081325

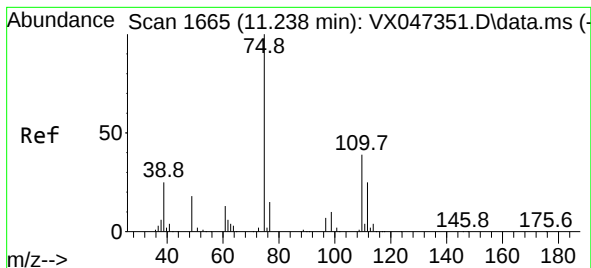
Tgt Ion:164	Resp:	7149
Ion	Ratio	Lower Upper
164	100	
166	133.4	100.3 150.5
129	102.0	77.7 116.5
131	96.2	74.8 112.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047421.D
Acq: 19 Aug 2025 18:22

Tgt Ion:152	Resp:	210685
Ion	Ratio	Lower Upper
152	100	
115	61.9	44.6 133.8
150	154.1	0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 25.817 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

Instrument :

MSVOA_X

ClientSampleId :

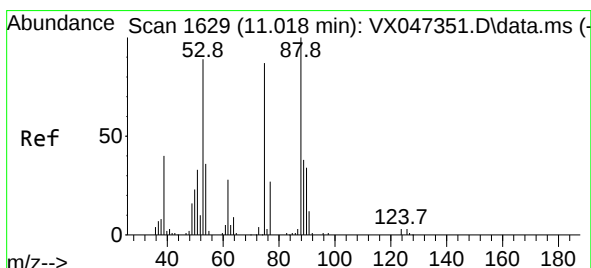
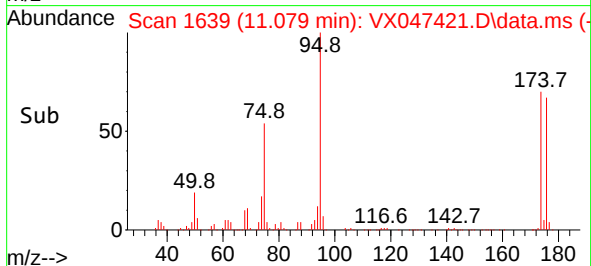
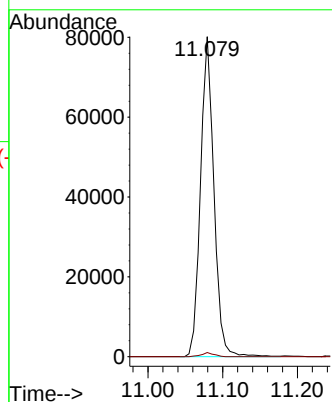
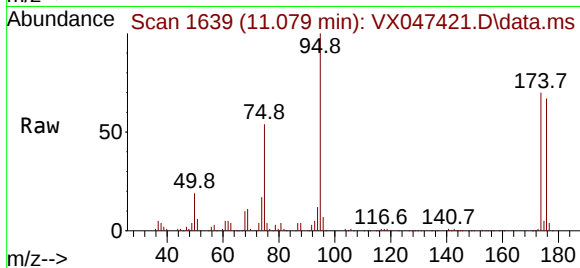
MW-19B-71.5-081325

Tgt Ion: 75 Resp: 99762

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.434 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047421.D

Acq: 19 Aug 2025 18:22

Tgt Ion: 75 Resp: 99762

Ion Ratio Lower Upper

75 100

53 0.0 85.2 127.8#

89 0.0 36.7 55.1#

