

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047419.D
 Acq On : 19 Aug 2025 17:39
 Operator : JC/MD
 Sample : Q2815-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-84SB-W

Quant Time: Aug 20 01:30:29 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)

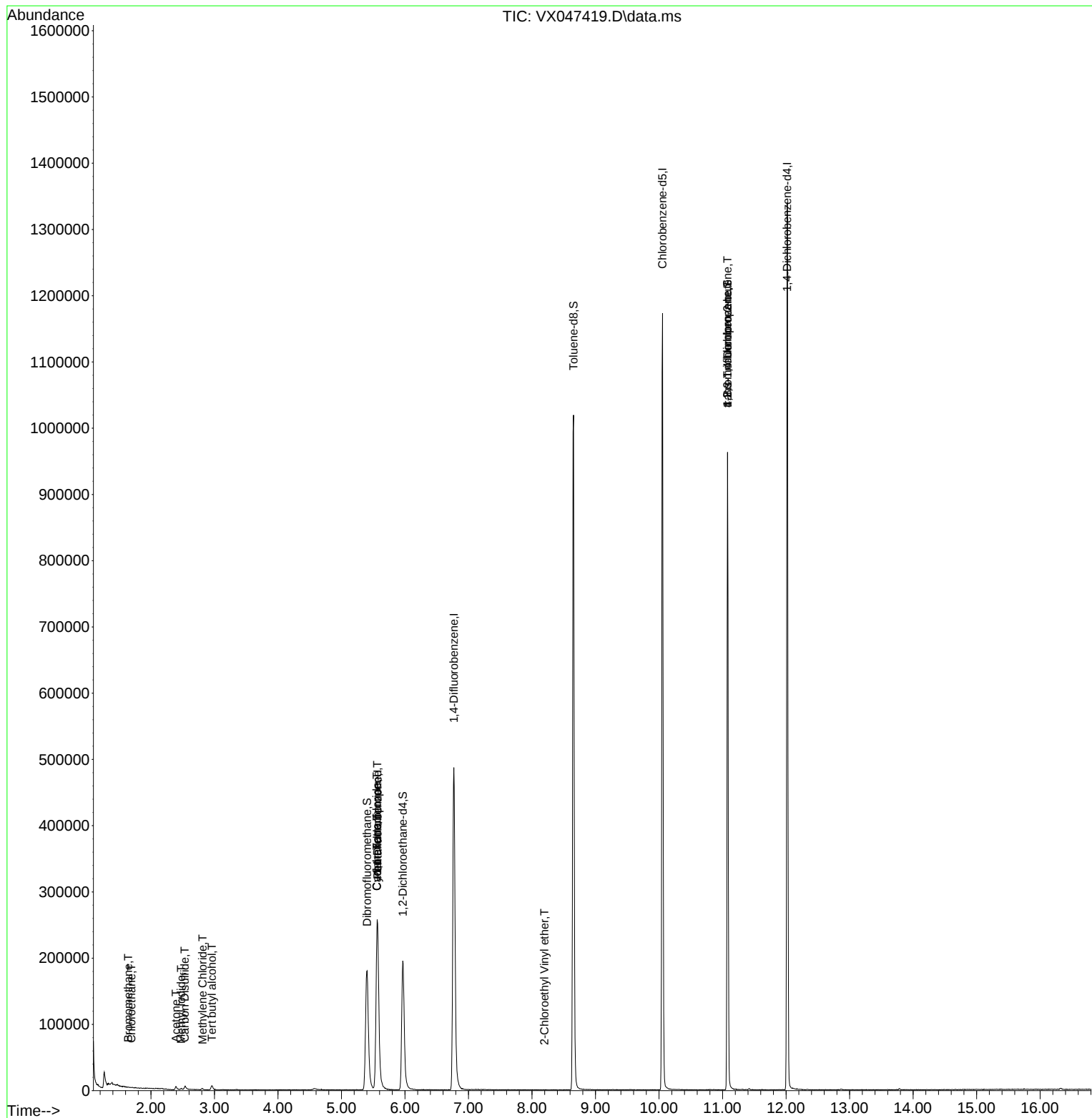
Internal Standards						
1) Pentafluorobenzene	5.568	168	257962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	524123	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	526082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	264563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	206988	57.333	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.660%	
35) Dibromofluoromethane	5.404	113	174696	51.357	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.720%	
50) Toluene-d8	8.653	98	621257	51.098	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.200%	
62) 4-Bromofluorobenzene	11.079	95	251572	56.071	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.140%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	372	0.248	ug/l #	59
6) Chloroethane	1.691	64	537	0.236	ug/l #	84
10) Methyl Iodide	2.477	142	2628	0.481	ug/l #	97
11) Tert butyl alcohol	2.959	59	3351	10.670	ug/l #	78
16) Acetone	2.392	43	6455	4.757	ug/l	95
17) Carbon Disulfide	2.532	76	2857	0.291	ug/l #	83
20) Methylene Chloride	2.813	84	857	0.238	ug/l #	80
31) Cyclohexane	5.556	56	5969	1.027	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	22215	4.137	ug/l #	50
38) Carbon Tetrachloride	5.556	117	26864	4.578	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.196	63	154	8.411	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	132514	27.309	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	132514	107.900	ug/l #	7

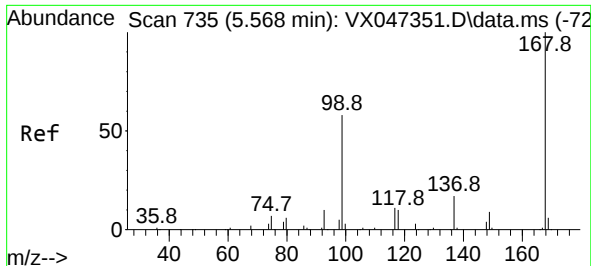
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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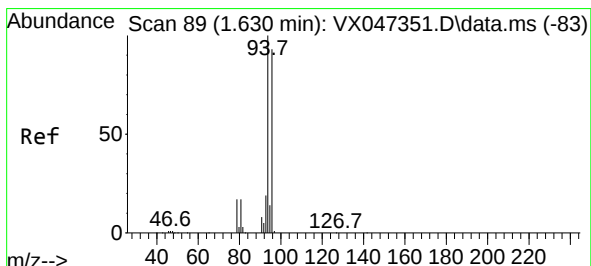
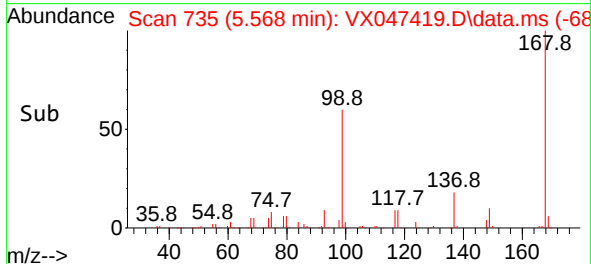
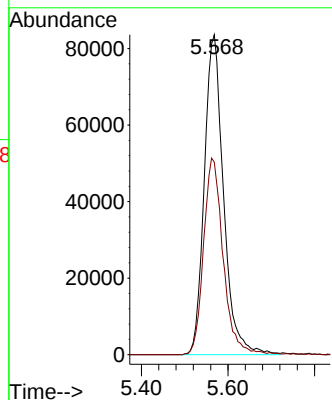
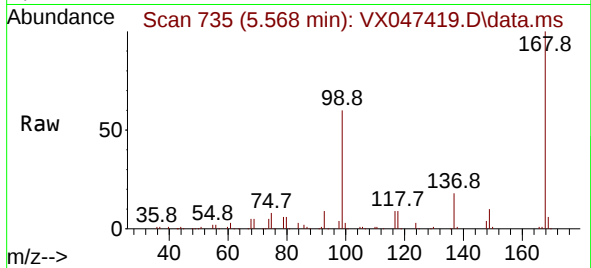




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047419.D
Acq: 19 Aug 2025 17:39

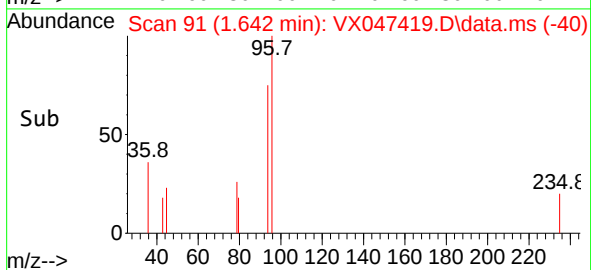
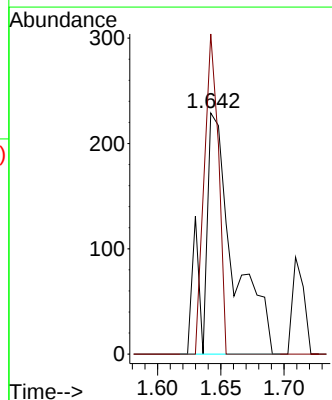
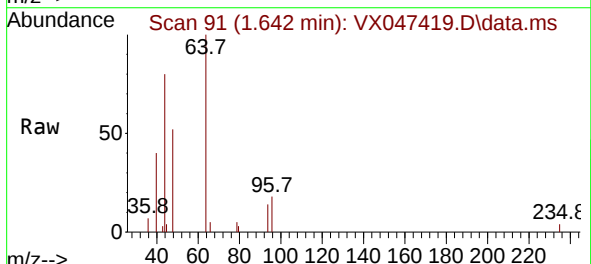
Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-W

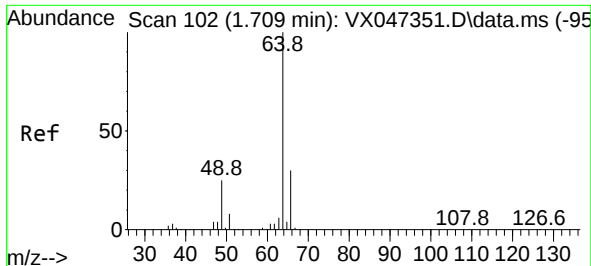
Tgt Ion:168 Resp: 257962
Ion Ratio Lower Upper
168 100
99 60.1 47.9 71.9



#5
Bromomethane
Concen: 0.248 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047419.D
Acq: 19 Aug 2025 17:39

Tgt Ion: 94 Resp: 372
Ion Ratio Lower Upper
94 100
96 132.8 74.7 112.1#

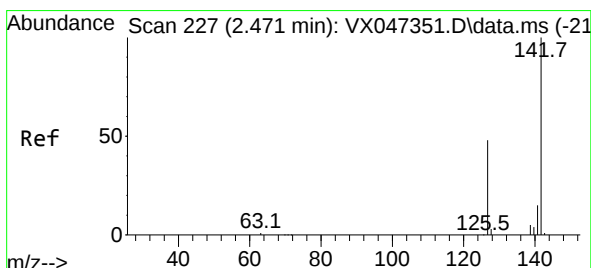
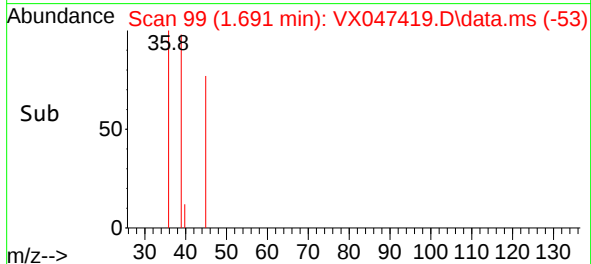
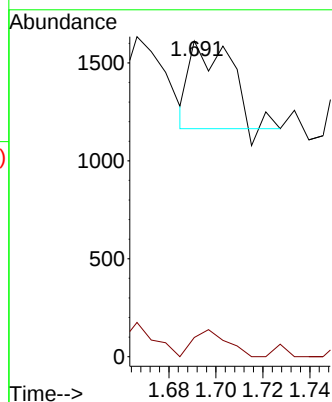
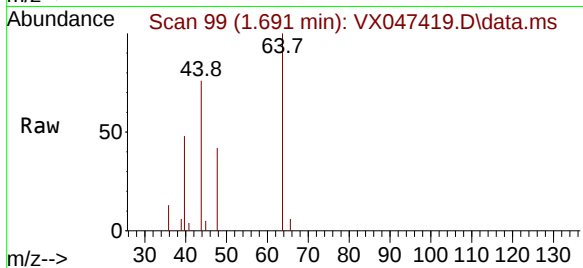




#6
Chloroethane
Concen: 0.236 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.018 min
Lab File: VX047419.D
Acq: 19 Aug 2025 17:39

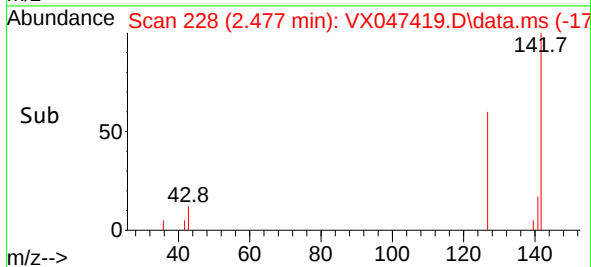
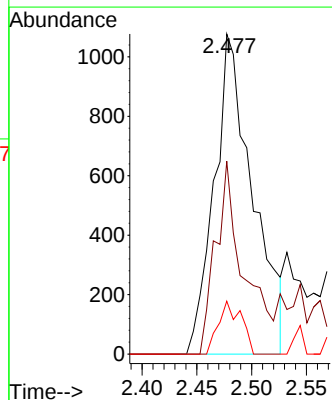
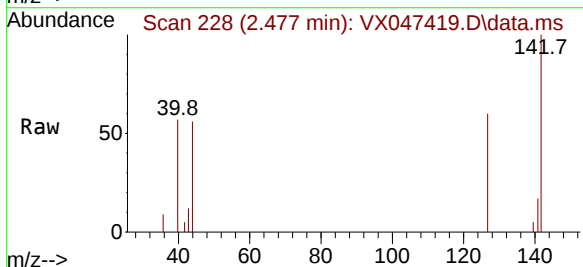
Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-W

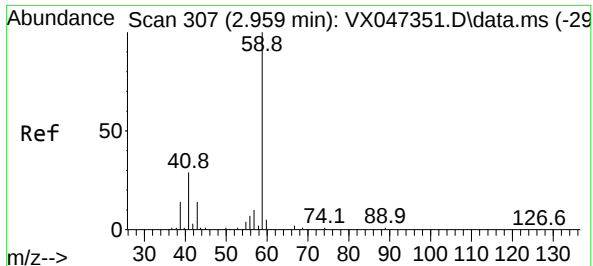
Tgt Ion: 64 Resp: 537
Ion Ratio Lower Upper
64 100
66 21.9 24.4 36.6#



#10
Methyl Iodide
Concen: 0.481 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047419.D
Acq: 19 Aug 2025 17:39

Tgt Ion:142 Resp: 2628
Ion Ratio Lower Upper
142 100
127 44.3 36.1 54.1
141 9.8 11.1 16.7#





#11

Tert butyl alcohol

Concen: 10.670 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX047419.D

Acq: 19 Aug 2025 17:39

Instrument :

MSVOA_X

ClientSampleId :

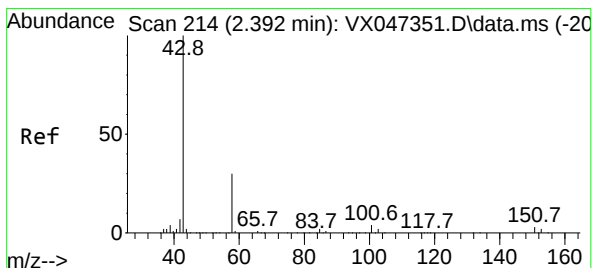
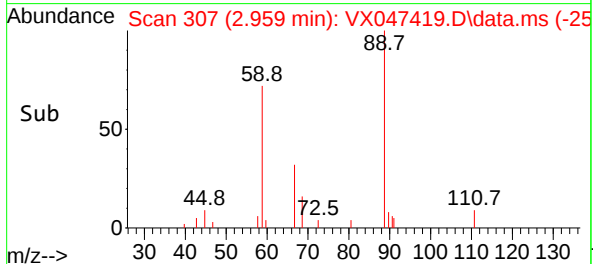
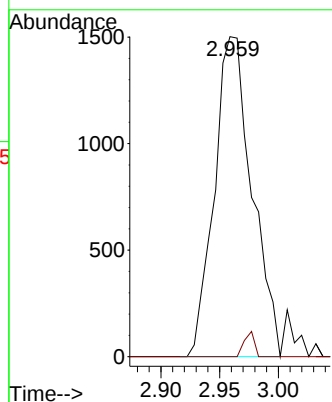
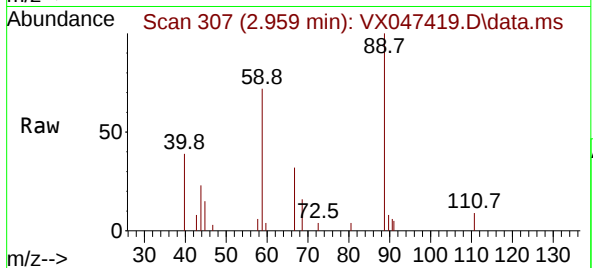
TW-84SB-W

Tgt Ion: 59 Resp: 3351

Ion Ratio Lower Upper

59 100

57 2.1 8.3 12.5#



#16

Acetone

Concen: 4.757 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX047419.D

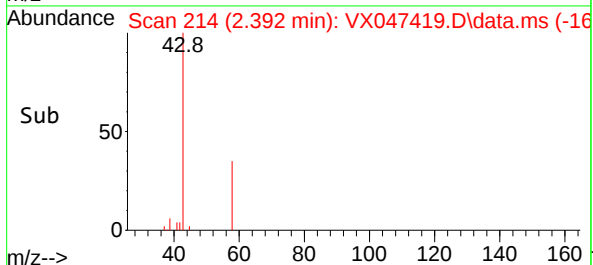
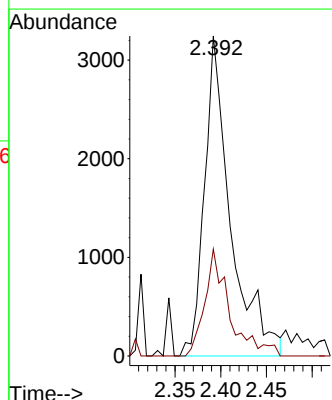
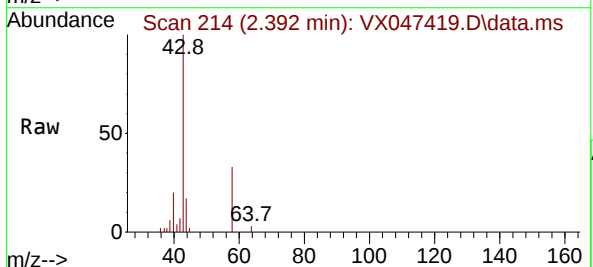
Acq: 19 Aug 2025 17:39

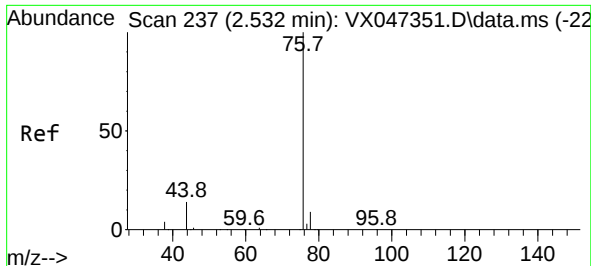
Tgt Ion: 43 Resp: 6455

Ion Ratio Lower Upper

43 100

58 28.5 24.8 37.2

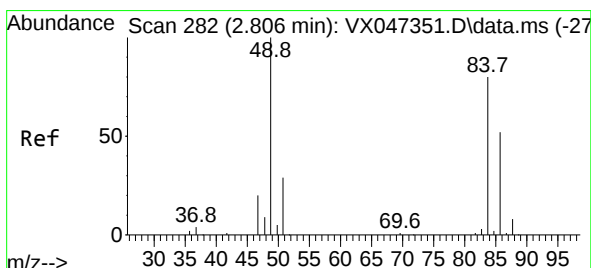
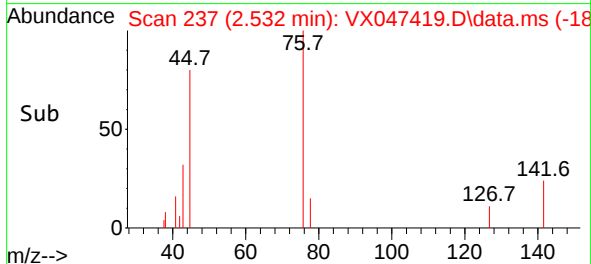
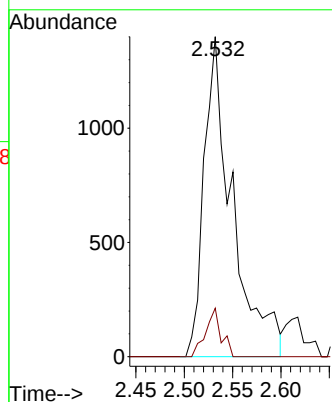
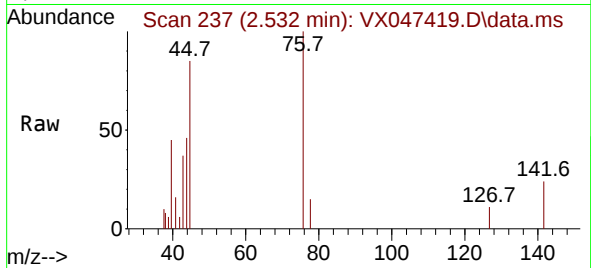




#17
Carbon Disulfide
Concen: 0.291 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047419.D
Acq: 19 Aug 2025 17:39

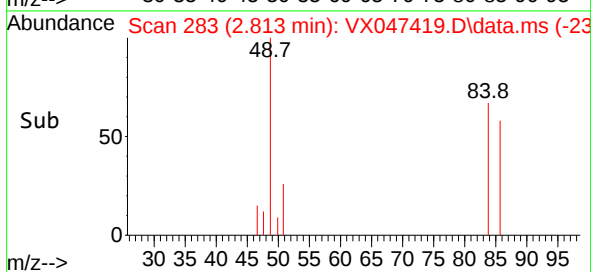
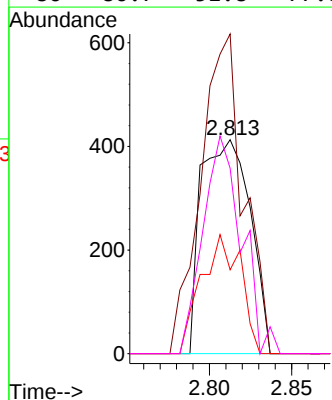
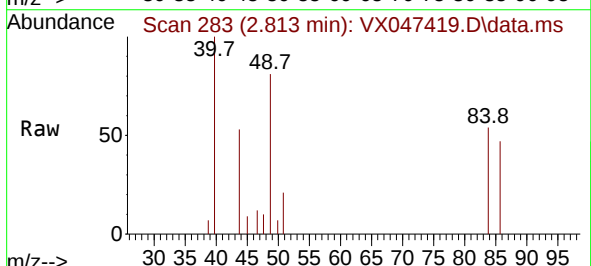
Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-W

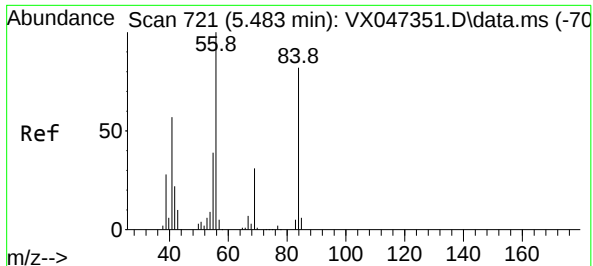
Tgt Ion: 76 Resp: 2857
Ion Ratio Lower Upper
76 100
78 15.1 7.2 10.8#



#20
Methylene Chloride
Concen: 0.238 ug/l
RT: 2.813 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX047419.D
Acq: 19 Aug 2025 17:39

Tgt Ion: 84 Resp: 857
Ion Ratio Lower Upper
84 100
49 149.4 100.1 150.1
51 39.2 29.5 44.3
86 86.7 51.8 77.8#

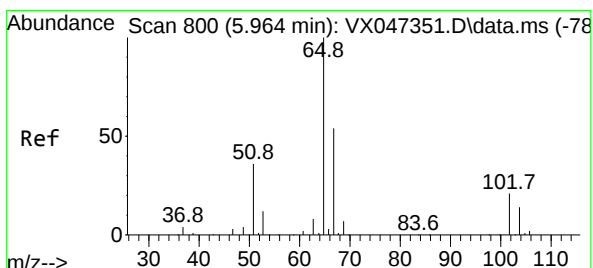
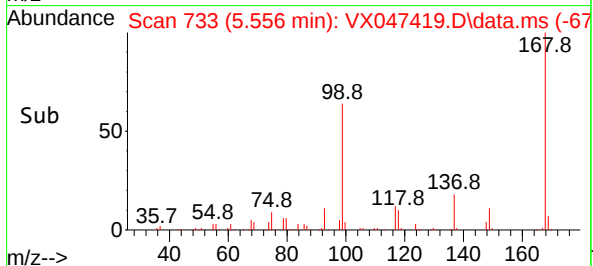
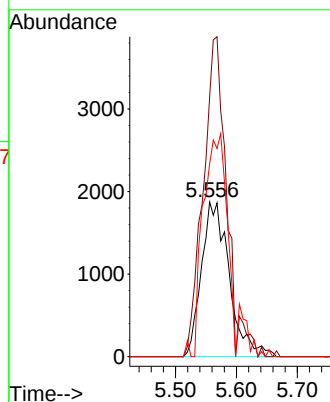
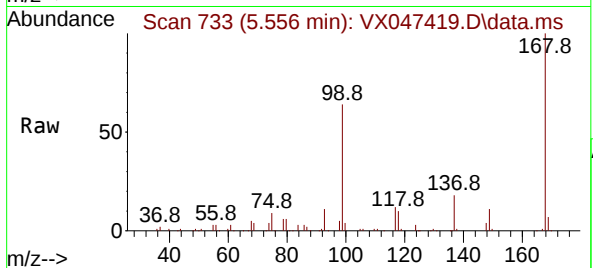




#31
Cyclohexane
Concen: 1.027 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047419.D
Acq: 19 Aug 2025 17:39

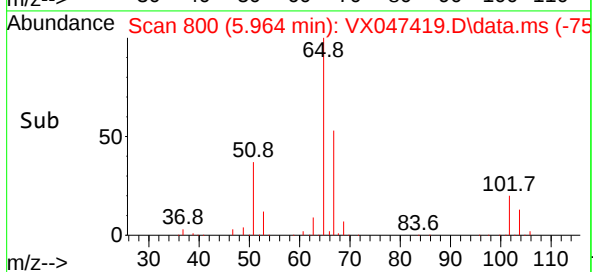
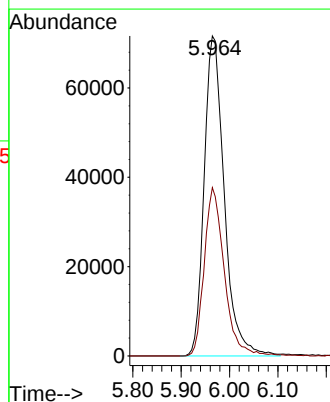
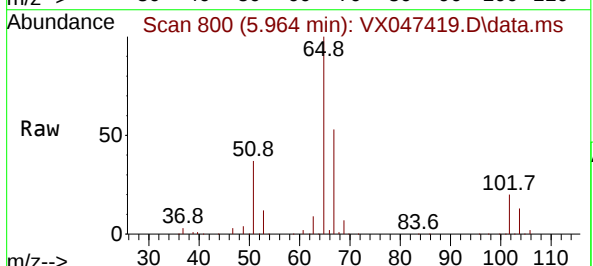
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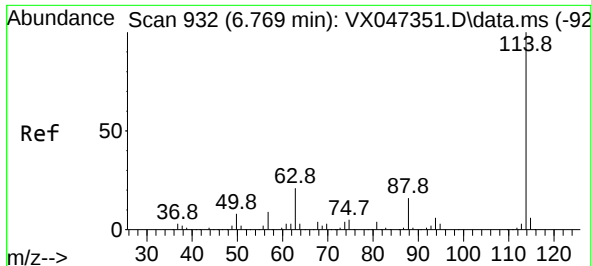
Tgt Ion: 56 Resp: 5969
Ion Ratio Lower Upper
56 100
69 167.8 24.3 36.5#
84 124.7 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 57.333 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047419.D
Acq: 19 Aug 2025 17:39

Tgt Ion: 65 Resp: 206988
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.0

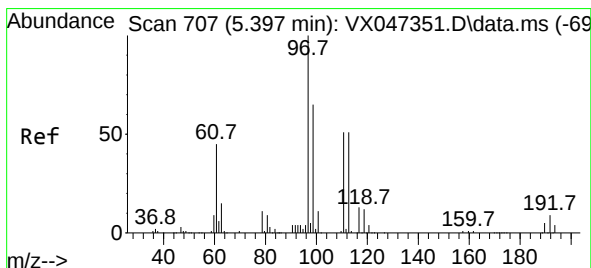
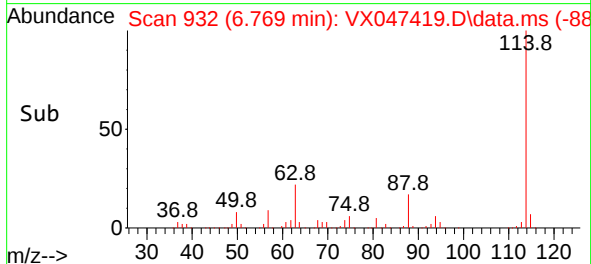
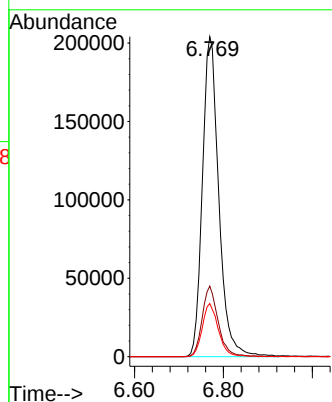
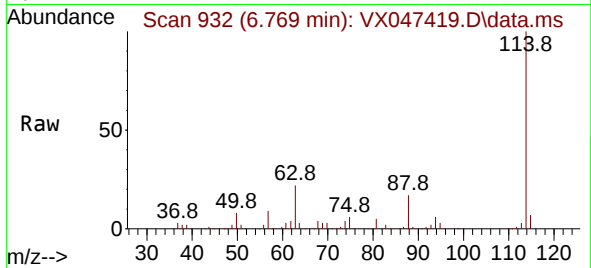




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047419.D
Acq: 19 Aug 2025 17:39

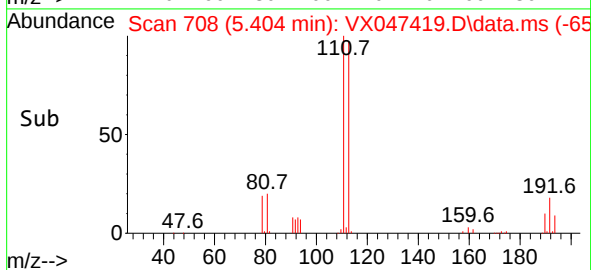
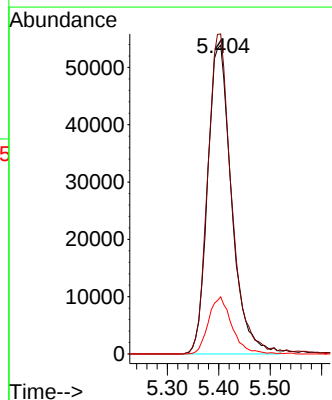
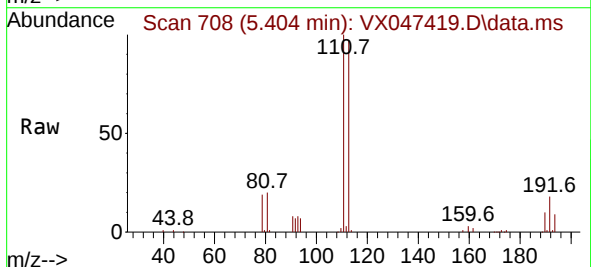
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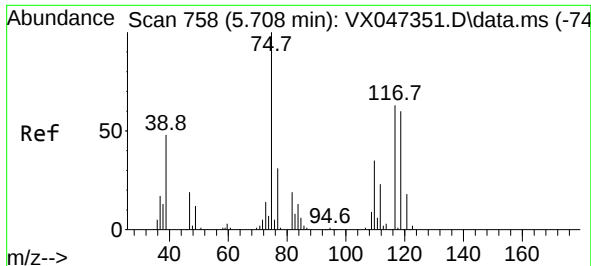
Tgt Ion:114 Resp: 524123
Ion Ratio Lower Upper
114 100
63 25.1 0.0 42.4
88 16.6 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.357 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047419.D
Acq: 19 Aug 2025 17:39

Tgt Ion:113 Resp: 174696
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.2
192 18.0 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.137 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047419.D

Acq: 19 Aug 2025 17:39

Instrument :

MSVOA_X

ClientSampleId :

TW-84SB-W

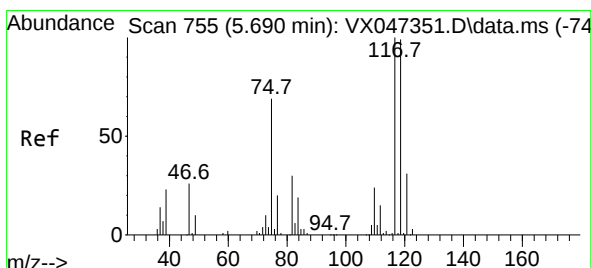
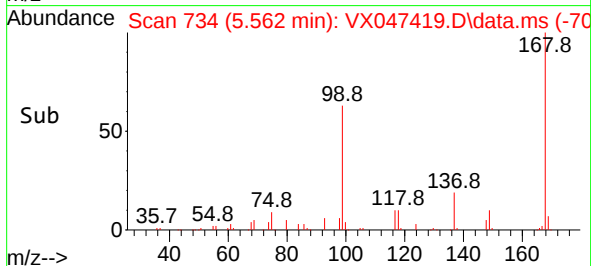
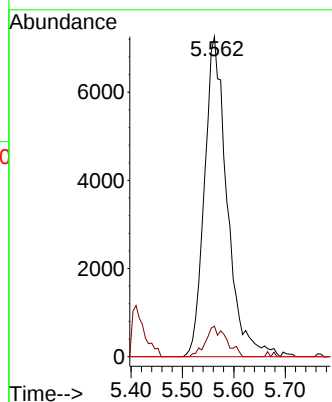
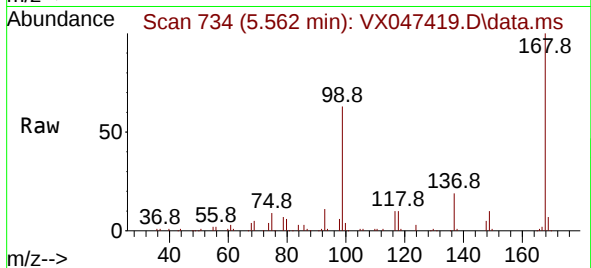
Tgt Ion: 75 Resp: 22215

Ion Ratio Lower Upper

75 100

110 8.7 17.4 52.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.578 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX047419.D

Acq: 19 Aug 2025 17:39

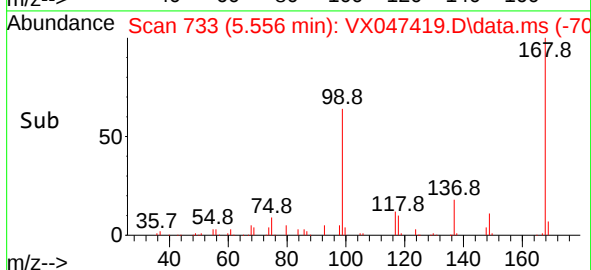
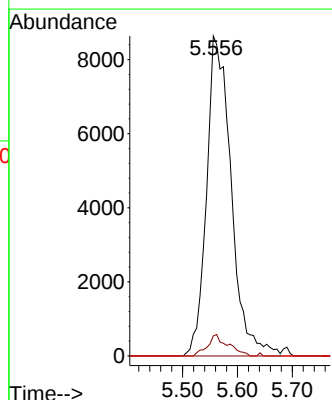
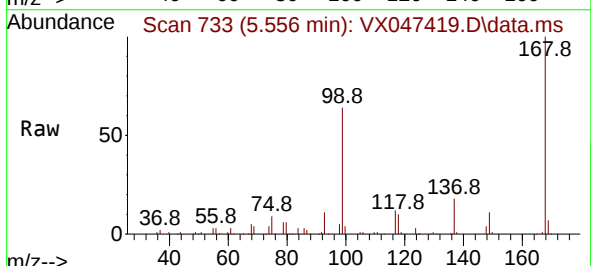
Tgt Ion: 117 Resp: 26864

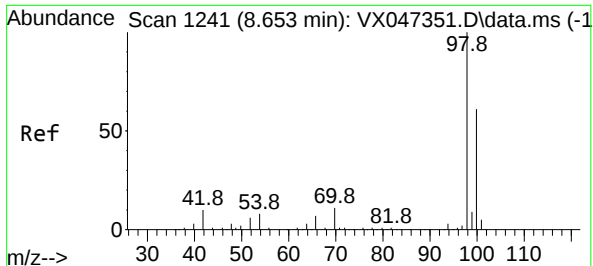
Ion Ratio Lower Upper

117 100

119 6.2 78.5 117.7#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 51.098 ug/l

RT: 8.653 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VX047419.D

Acq: 19 Aug 2025 17:39

Instrument :

MSVOA_X

ClientSampleId :

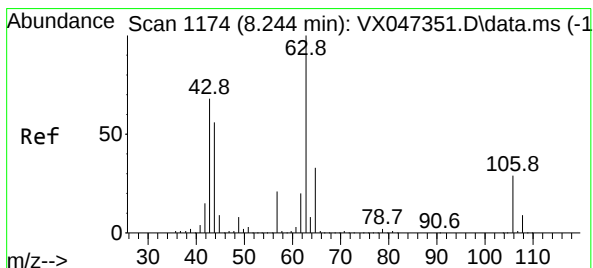
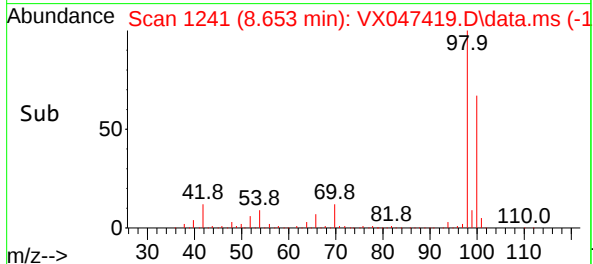
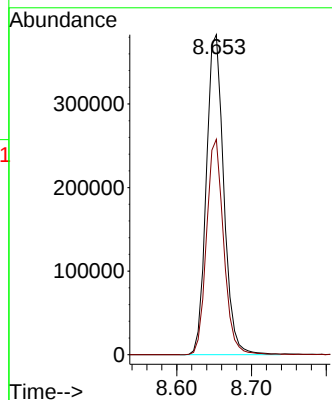
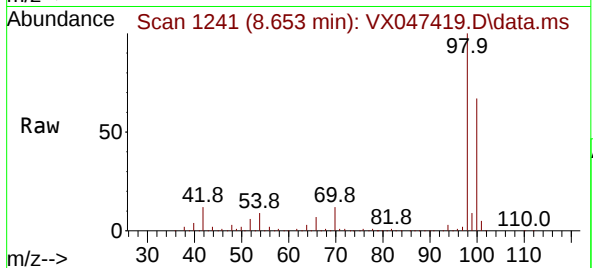
TW-84SB-W

Tgt Ion: 98 Resp: 621257

Ion Ratio Lower Upper

98 100

100 66.2 53.9 80.9



#58

2-Chloroethyl Vinyl ether

Concen: 8.411 ug/l

RT: 8.196 min Scan# 1166

Delta R.T. -0.049 min

Lab File: VX047419.D

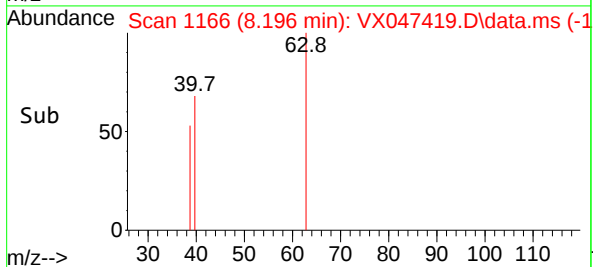
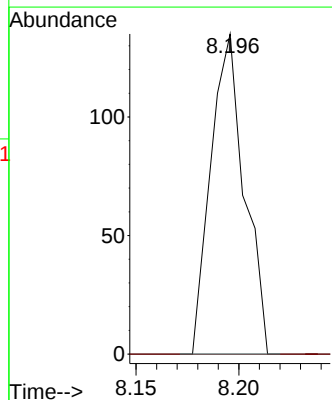
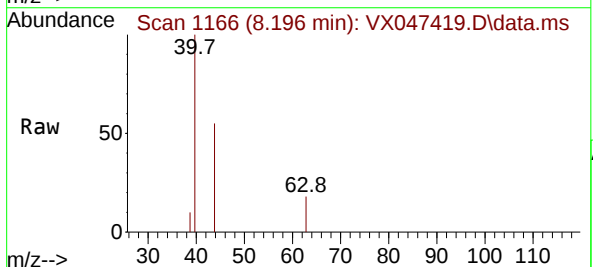
Acq: 19 Aug 2025 17:39

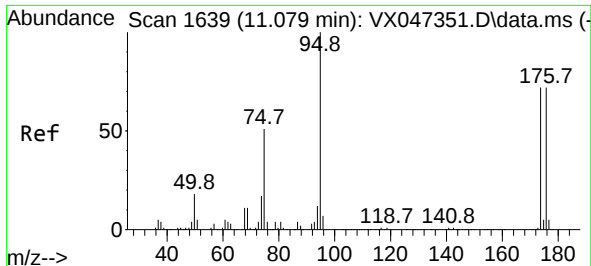
Tgt Ion: 63 Resp: 154

Ion Ratio Lower Upper

63 100

106 0.0 22.8 34.2#

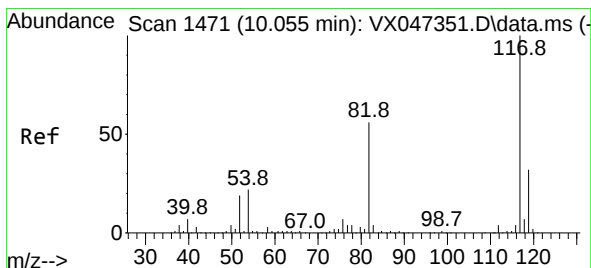
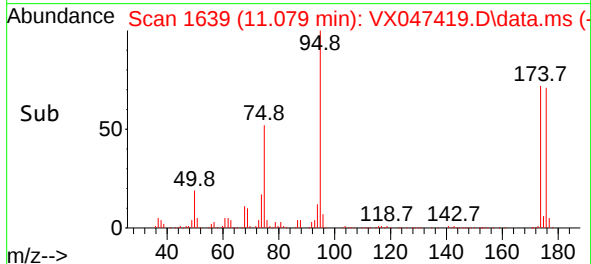
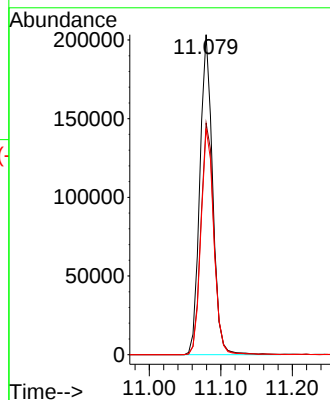
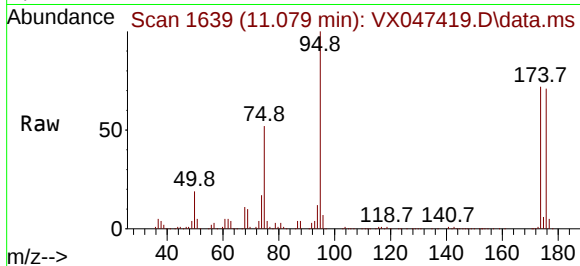




#62
4-Bromofluorobenzene
Concen: 56.071 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047419.D
Acq: 19 Aug 2025 17:39

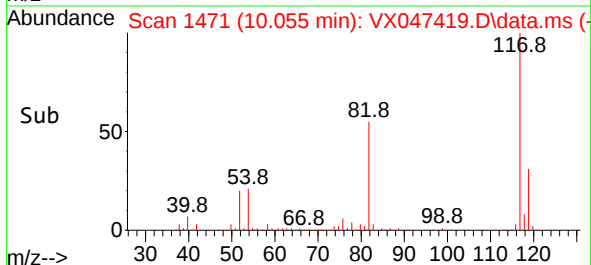
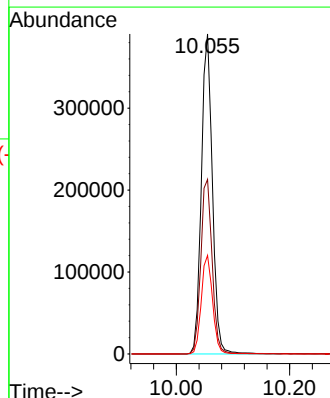
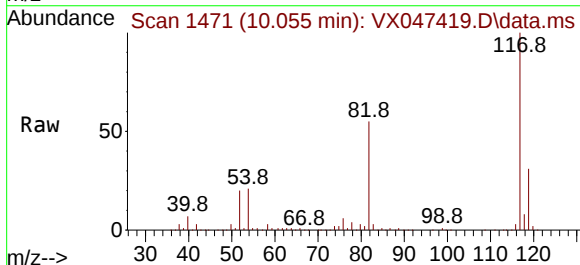
Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-W

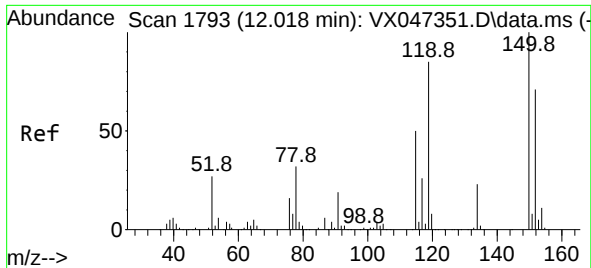
Tgt Ion: 95 Resp: 251572
Ion Ratio Lower Upper
95 100
174 74.4 0.0 148.0
176 71.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047419.D
Acq: 19 Aug 2025 17:39

Tgt Ion: 117 Resp: 526082
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.4
119 30.8 25.8 38.8

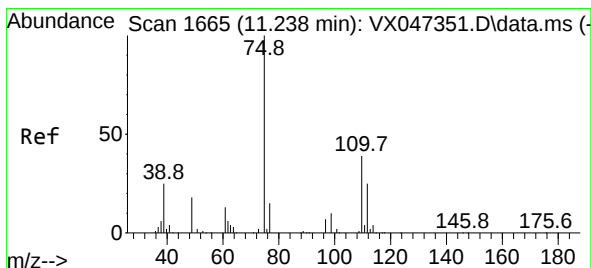
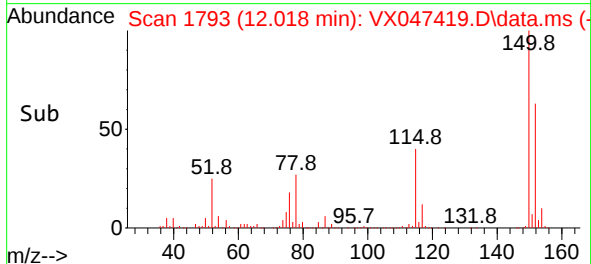
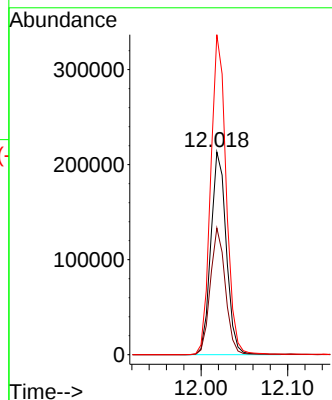
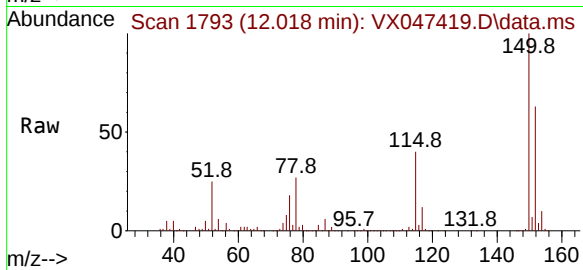




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX047419.D
 Acq: 19 Aug 2025 17:39

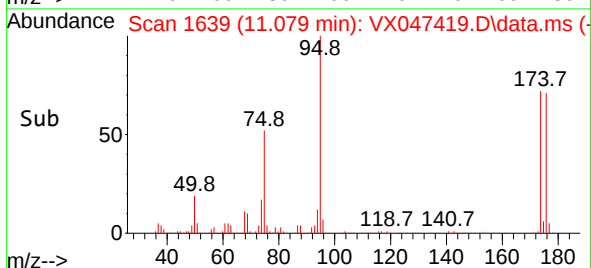
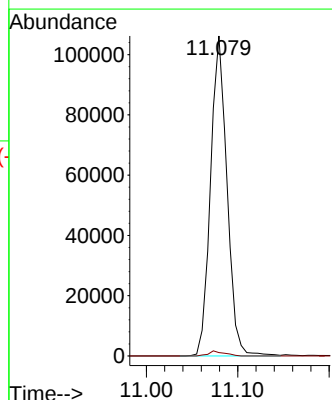
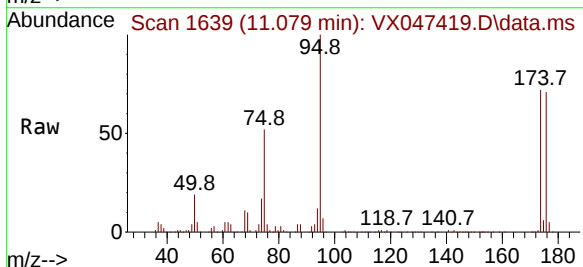
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-84SB-W

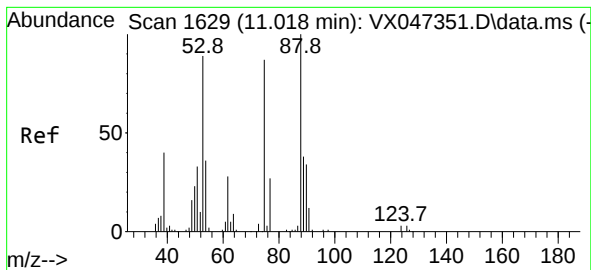
Tgt Ion:152 Resp: 264563
 Ion Ratio Lower Upper
 152 100
 115 61.2 44.6 133.8
 150 158.2 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 27.309 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047419.D
 Acq: 19 Aug 2025 17:39

Tgt Ion: 75 Resp: 132514
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.900 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047419.D
 Acq: 19 Aug 2025 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-84SB-W

Tgt Ion: 75 Resp: 132514
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.2 127.8#
 89 0.0 36.7 55.1#

