

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081925\
 Data File : VX047417.D
 Acq On : 19 Aug 2025 16:57
 Operator : JC/MD
 Sample : Q2869-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-081325

Quant Time: Aug 20 01:29:41 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)

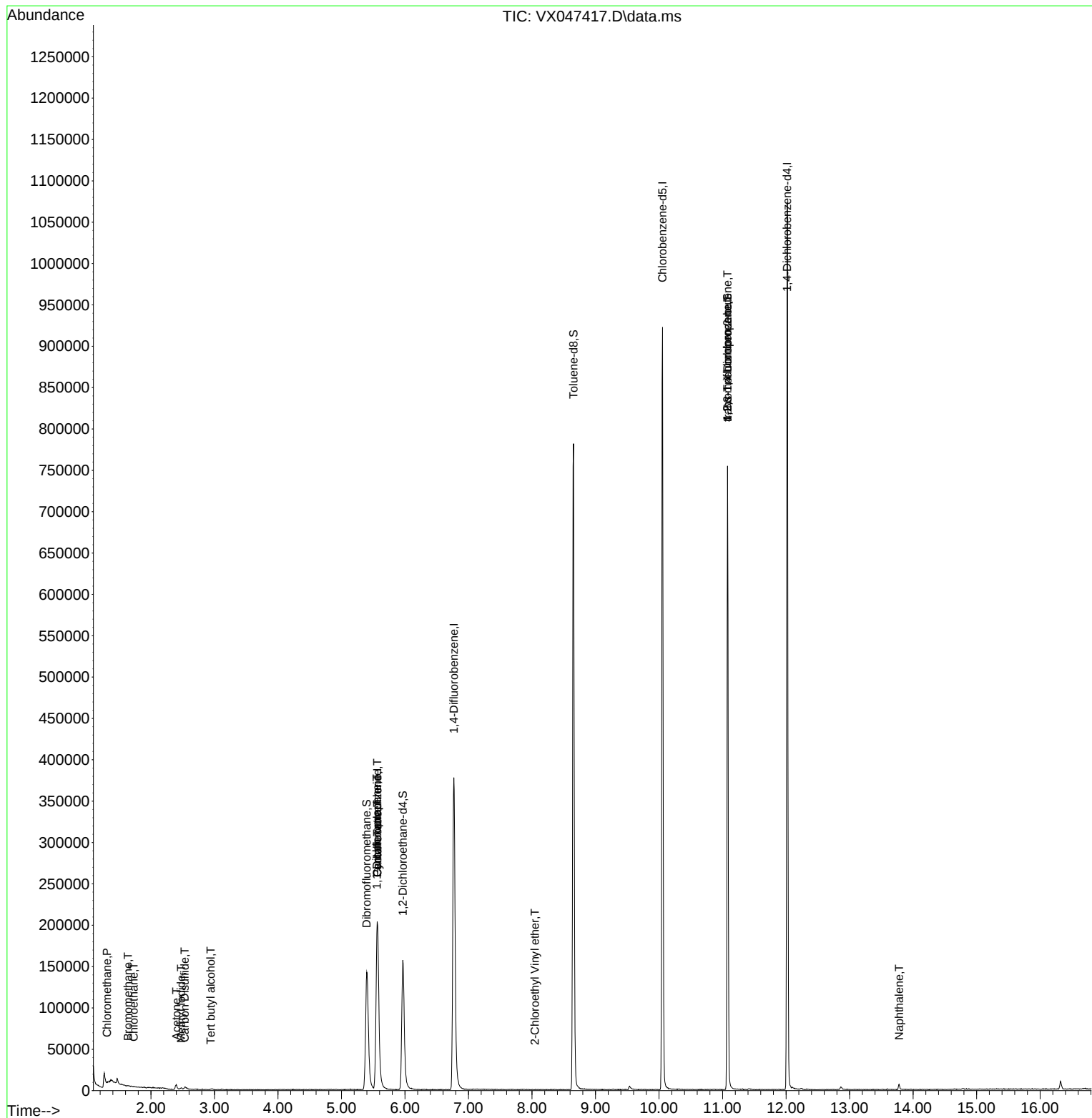
Internal Standards						
1) Pentafluorobenzene	5.562	168	205773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	414097	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	417583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	212656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	164219	57.023	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.040%			
35) Dibromofluoromethane	5.397	113	137119	51.021	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.040%			
50) Toluene-d8	8.653	98	483216	50.304	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.600%			
62) 4-Bromofluorobenzene	11.079	95	199041	56.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.300%			
Target Compounds						Qvalue
3) Chloromethane	1.307	50	1627	0.689	ug/l #	70
5) Bromomethane	1.636	94	354	0.296	ug/l	98
6) Chloroethane	1.727	64	1143	0.631	ug/l #	52
10) Methyl Iodide	2.477	142	2243	0.515	ug/l	93
11) Tert butyl alcohol	2.941	59	55	0.220	ug/l #	72
16) Acetone	2.398	43	8905	8.226	ug/l #	84
17) Carbon Disulfide	2.532	76	2367	0.303	ug/l #	91
31) Cyclohexane	5.562	56	4604	0.993	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17426	4.108	ug/l #	45
38) Carbon Tetrachloride	5.562	117	22088	4.764	ug/l #	16
58) 2-Chloroethyl Vinyl ether	8.043	63	19	8.364	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	105846	27.138	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	105846	107.272	ug/l #	7
95) Naphthalene	13.780	128	5265	0.373	ug/l #	93

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

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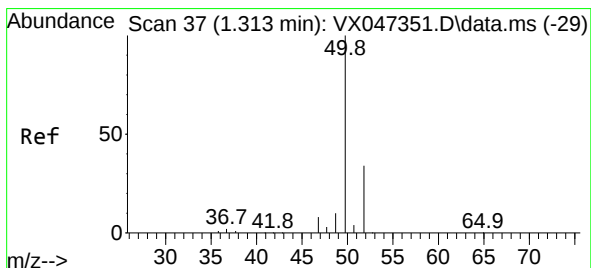
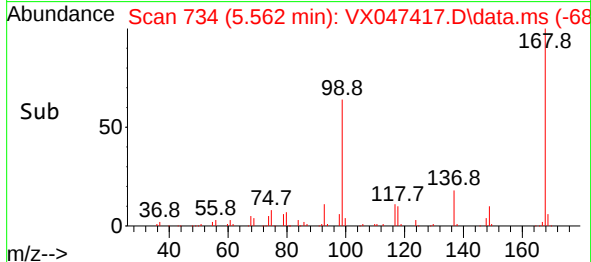
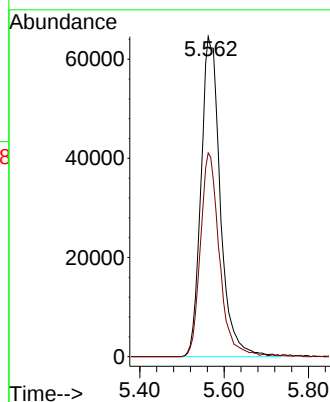
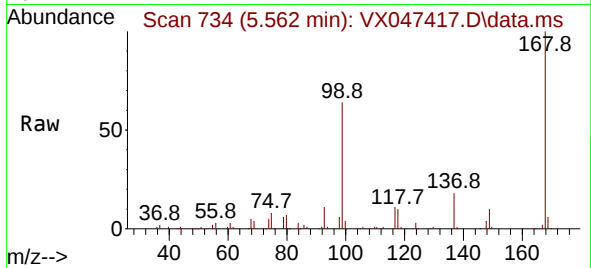




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

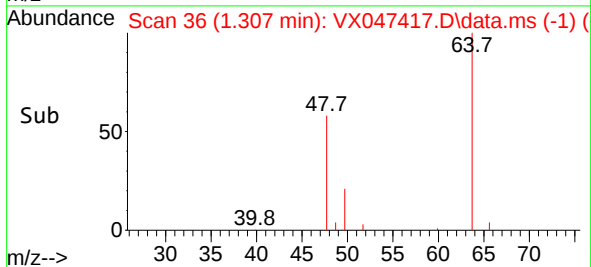
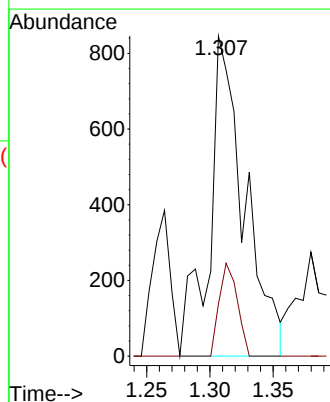
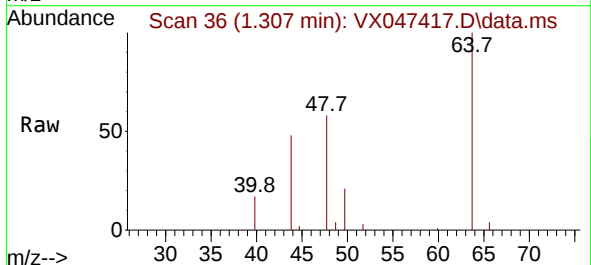
Instrument :
MSVOA_X
ClientSampleId :
EB02-081325

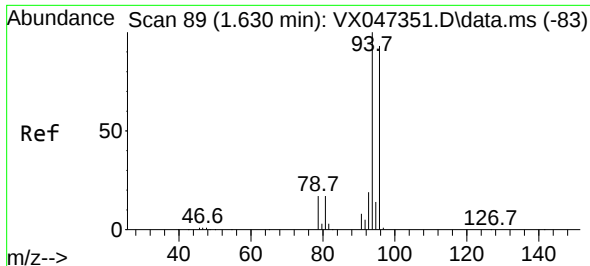
Tgt Ion:168 Resp: 205773
Ion Ratio Lower Upper
168 100
99 63.7 47.9 71.9



#3
Chloromethane
Concen: 0.689 ug/l
RT: 1.307 min Scan# 36
Delta R.T. -0.006 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion: 50 Resp: 1627
Ion Ratio Lower Upper
50 100
52 16.3 27.0 40.4#

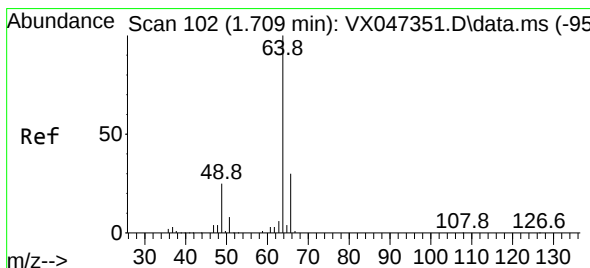
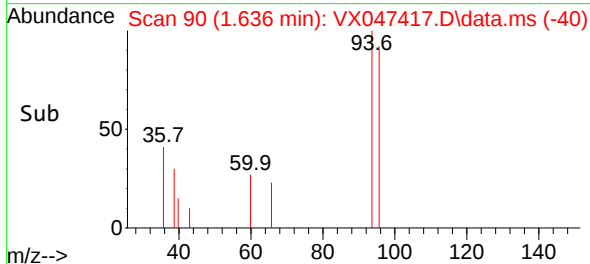
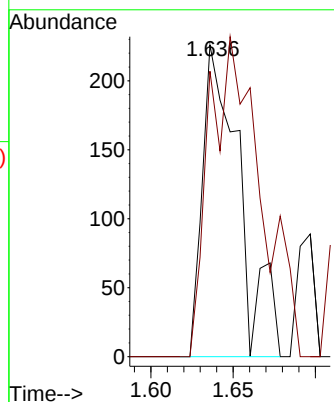
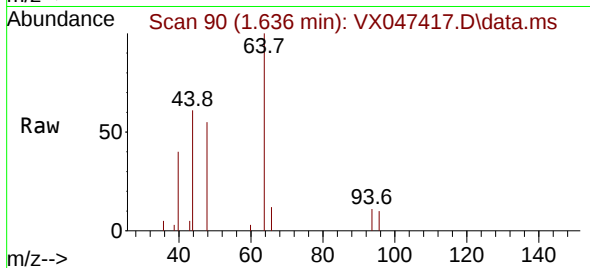




#5
 Bromomethane
 Concen: 0.296 ug/l
 RT: 1.636 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VX047417.D
 Acq: 19 Aug 2025 16:57

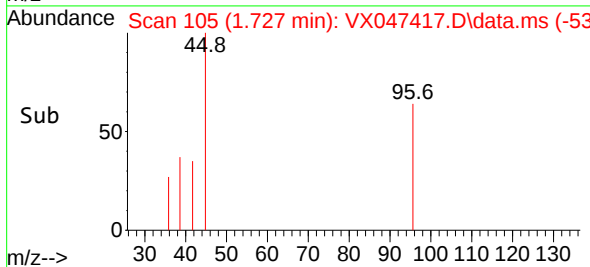
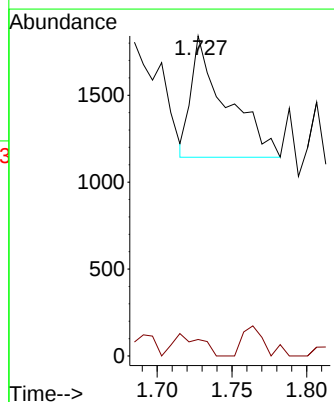
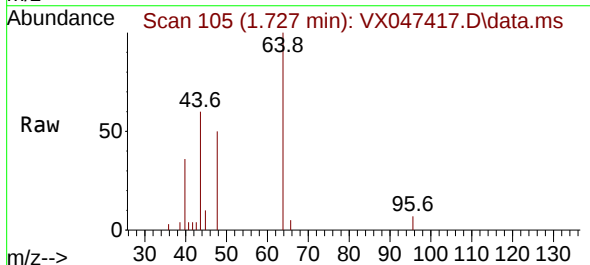
Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-081325

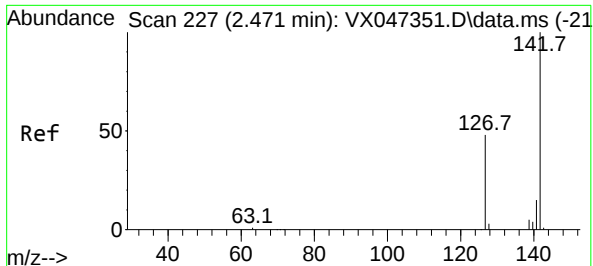
Tgt Ion: 94 Resp: 354
 Ion Ratio Lower Upper
 94 100
 96 91.6 74.7 112.1



#6
 Chloroethane
 Concen: 0.631 ug/l
 RT: 1.727 min Scan# 105
 Delta R.T. 0.018 min
 Lab File: VX047417.D
 Acq: 19 Aug 2025 16:57

Tgt Ion: 64 Resp: 1143
 Ion Ratio Lower Upper
 64 100
 66 4.2 24.4 36.6#

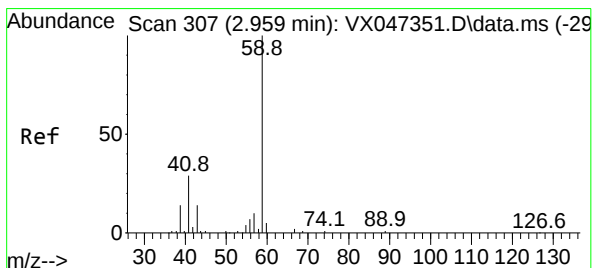
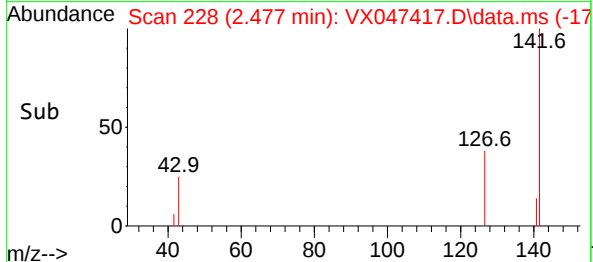
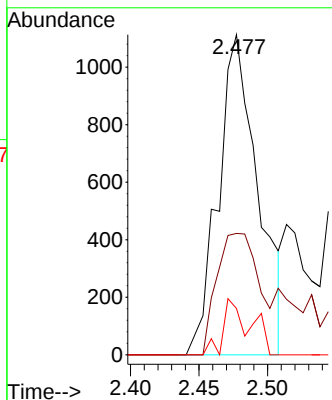
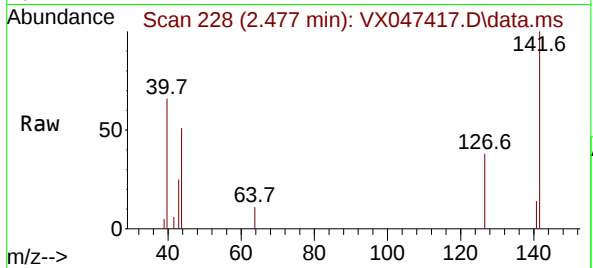




#10
Methyl Iodide
Concen: 0.515 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

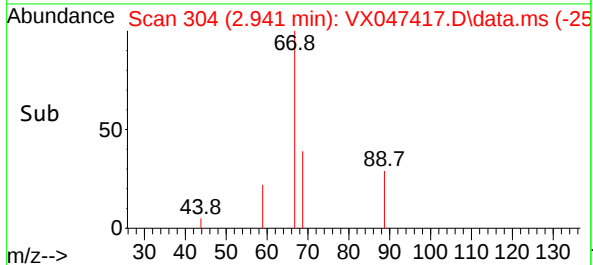
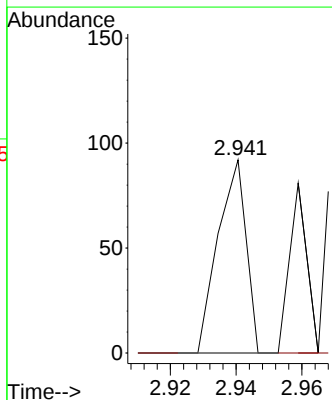
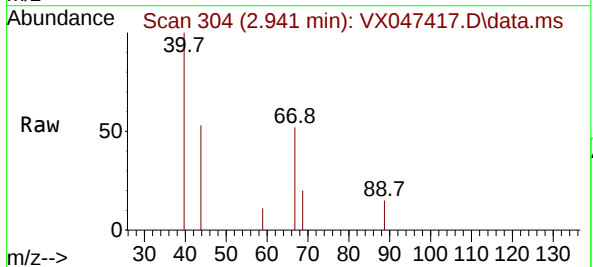
Instrument :
MSVOA_X
ClientSampleId :
EB02-081325

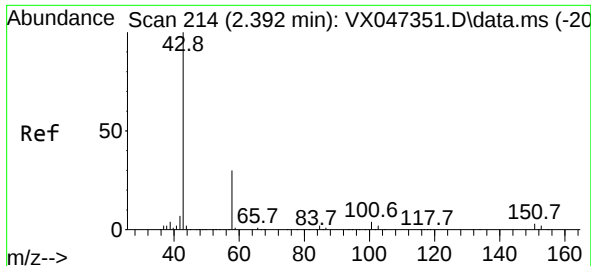
Tgt Ion:142 Resp: 2243
Ion Ratio Lower Upper
142 100
127 40.3 36.1 54.1
141 11.9 11.1 16.7



#11
Tert butyl alcohol
Concen: 0.220 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.018 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

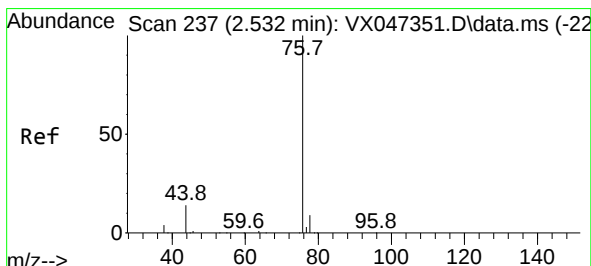
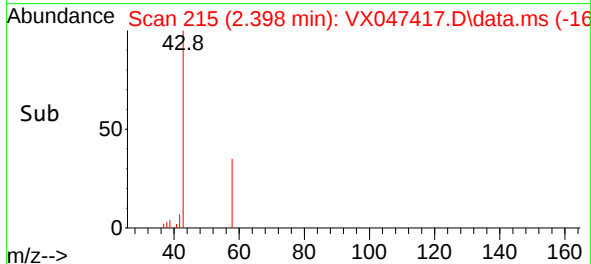
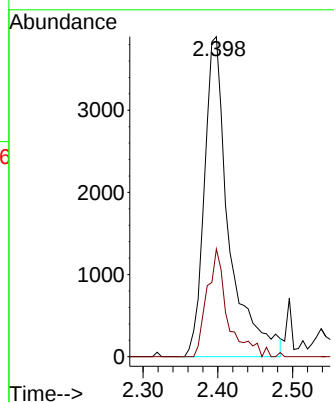
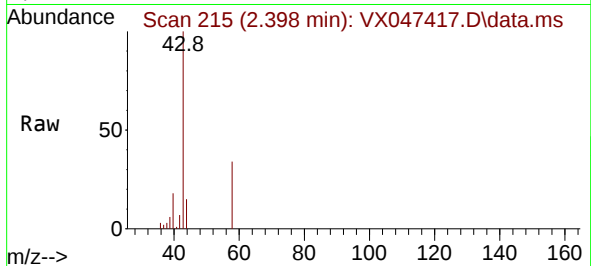




#16
Acetone
Concen: 8.226 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

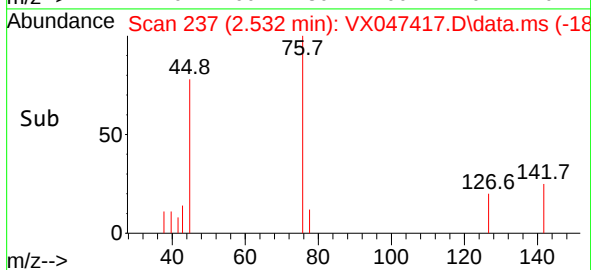
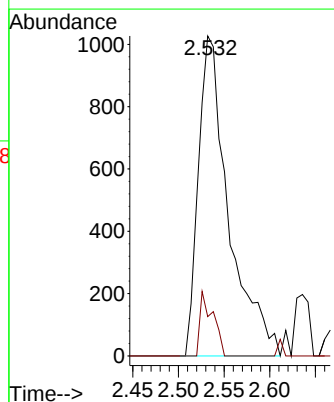
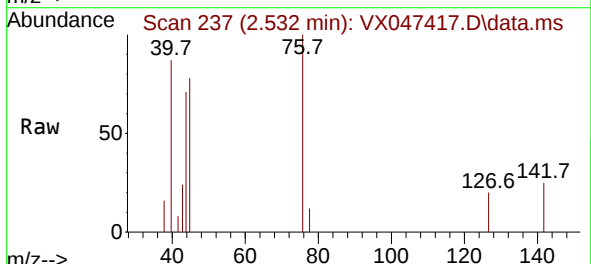
Instrument :
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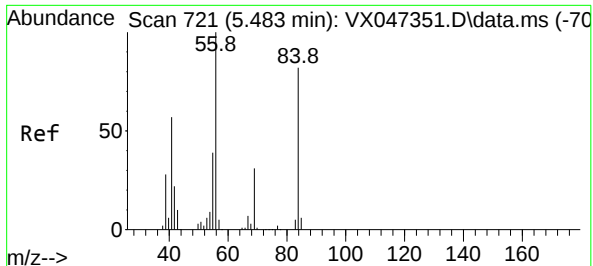
Tgt Ion: 43 Resp: 8905
Ion Ratio Lower Upper
43 100
58 40.0 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.303 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion: 76 Resp: 2367
Ion Ratio Lower Upper
76 100
78 12.3 7.2 10.8#

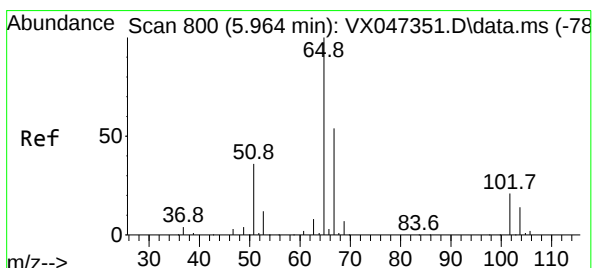
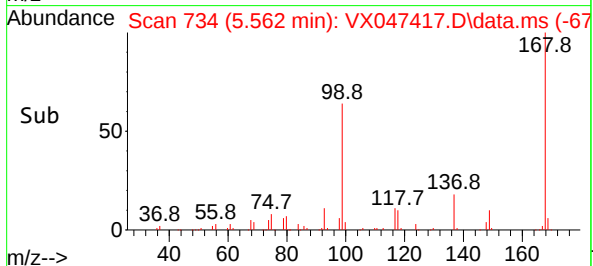
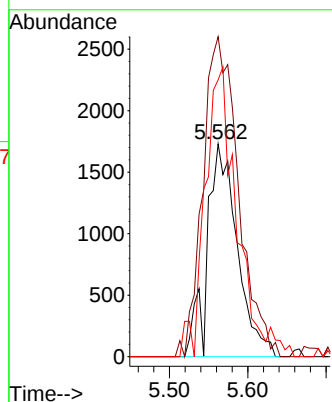
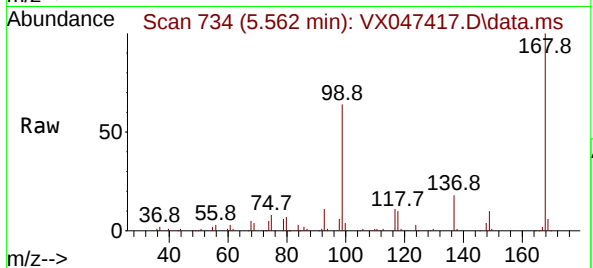




#31
Cyclohexane
Concen: 0.993 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

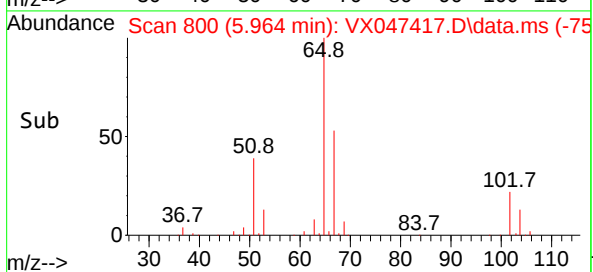
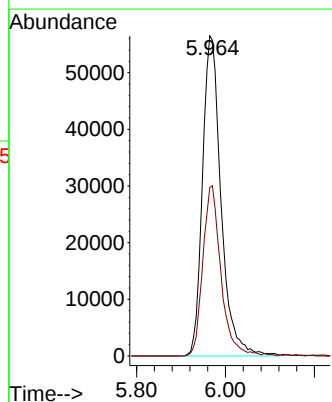
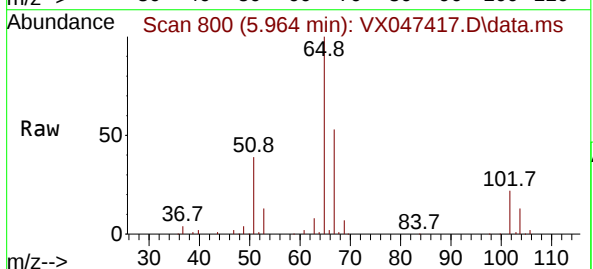
Instrument :
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ClientSampleId :
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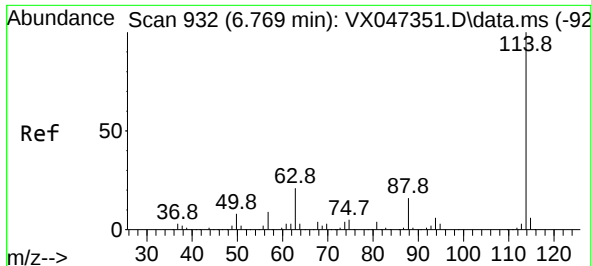
Tgt Ion: 56 Resp: 4604
Ion Ratio Lower Upper
56 100
69 150.3 24.3 36.5#
84 130.0 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 57.023 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion: 65 Resp: 164219
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.0

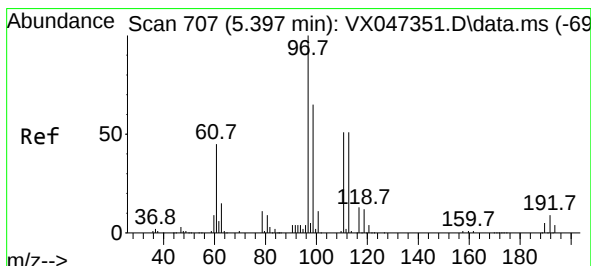
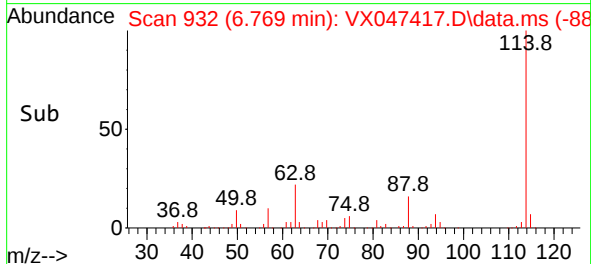
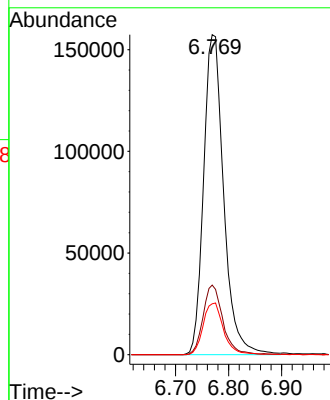
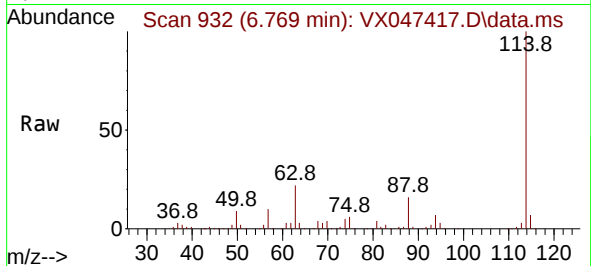




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

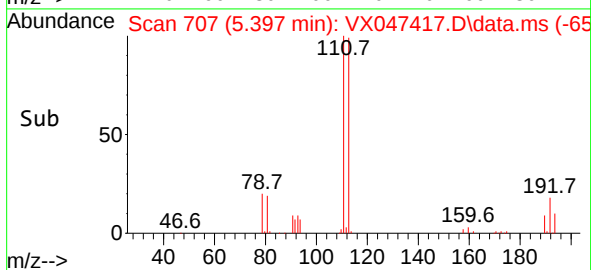
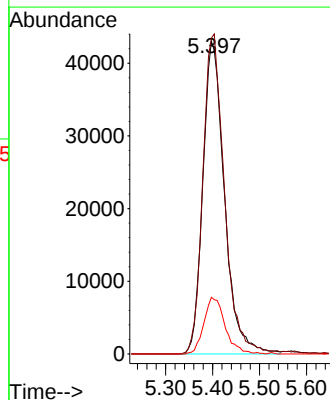
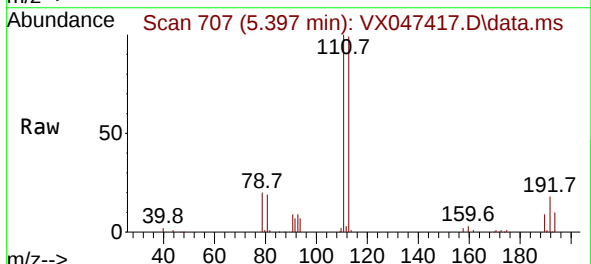
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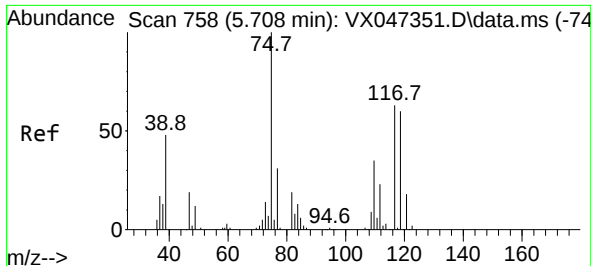
Tgt Ion:114 Resp: 414097
Ion Ratio Lower Upper
114 100
63 24.8 0.0 42.4
88 15.9 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.021 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion:113 Resp: 137119
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.2
192 17.8 14.1 21.1





#36

1,1-Dichloropropene

Concen: 4.108 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX047417.D

Acq: 19 Aug 2025 16:57

Instrument :

MSVOA_X

ClientSampleId :

EB02-081325

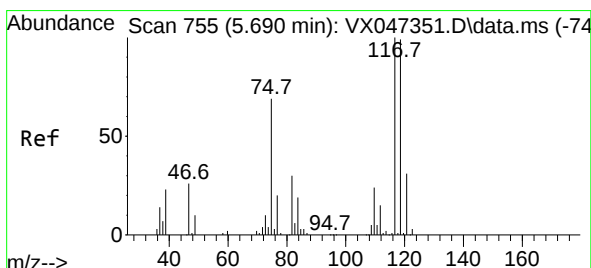
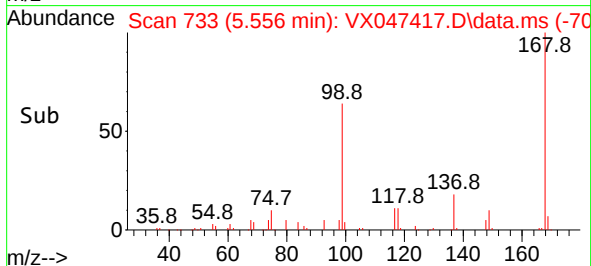
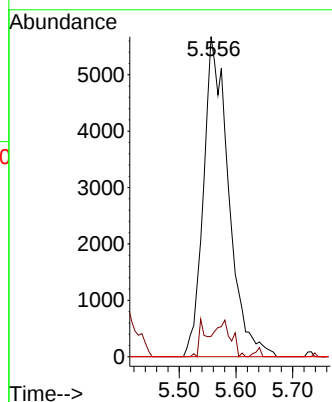
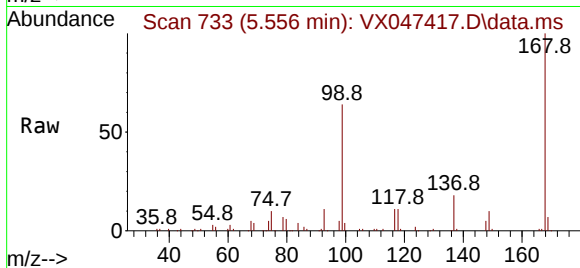
Tgt Ion: 75 Resp: 17426

Ion Ratio Lower Upper

75 100

110 3.1 17.4 52.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.764 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX047417.D

Acq: 19 Aug 2025 16:57

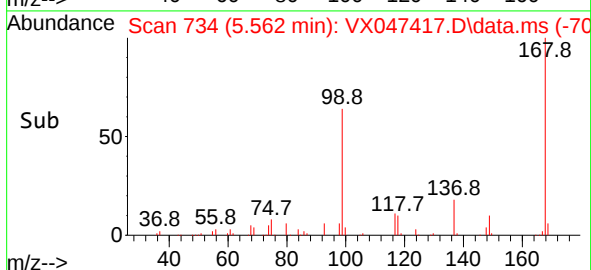
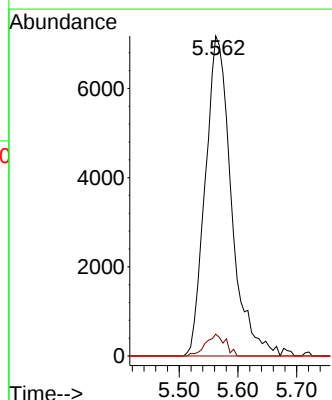
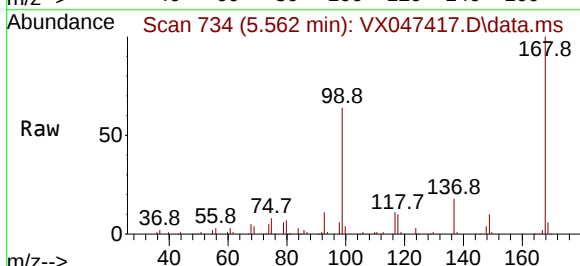
Tgt Ion: 117 Resp: 22088

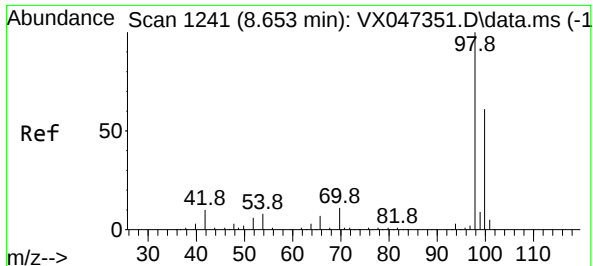
Ion Ratio Lower Upper

117 100

119 6.8 78.5 117.7#

121 0.0 24.7 37.1#

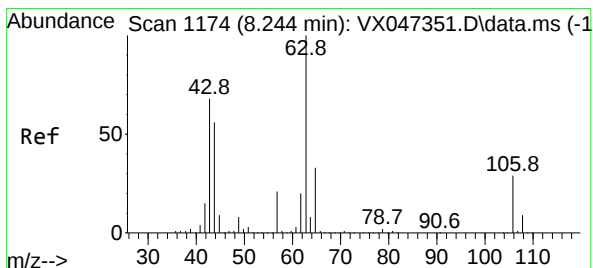
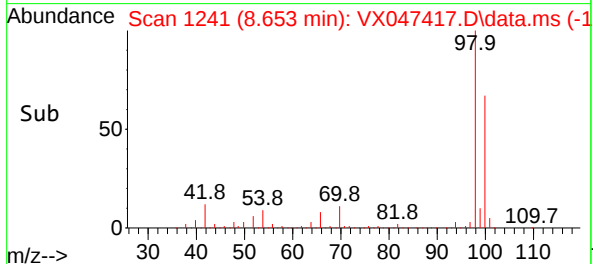
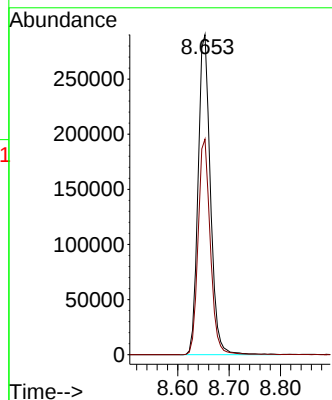
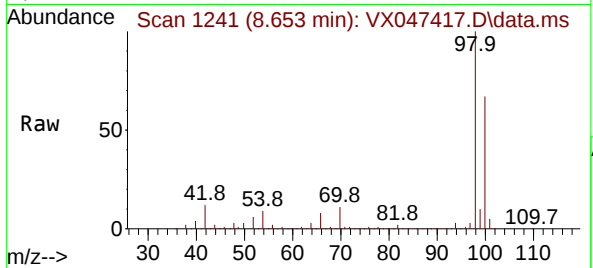




#50
Toluene-d8
Concen: 50.304 ug/l
RT: 8.653 min Scan# 1141
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

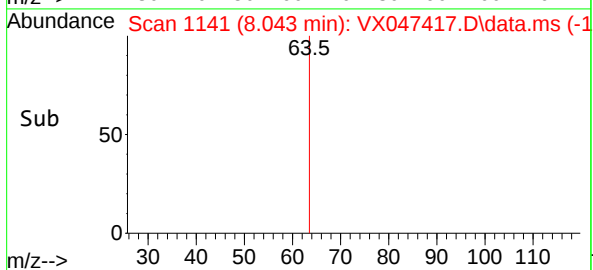
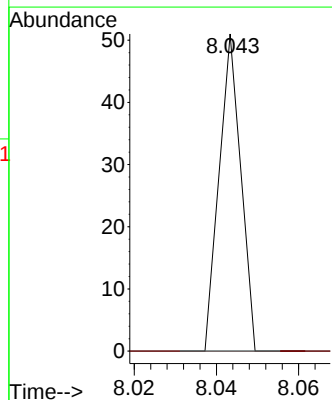
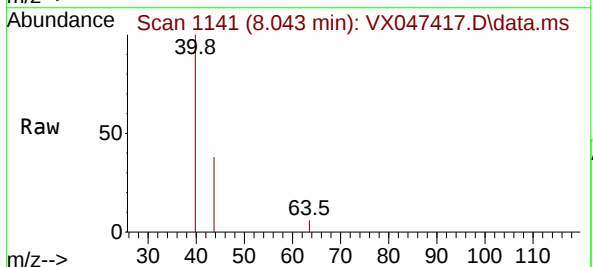
Instrument :
MSVOA_X
ClientSampleId :
EB02-081325

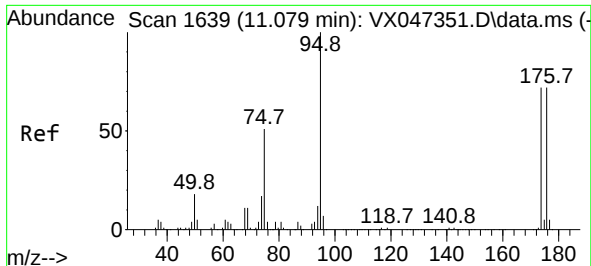
Tgt Ion: 98 Resp: 483216
Ion Ratio Lower Upper
98 100
100 66.8 53.9 80.9



#58
2-Chloroethyl Vinyl ether
Concen: 8.364 ug/l
RT: 8.043 min Scan# 1141
Delta R.T. -0.201 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#

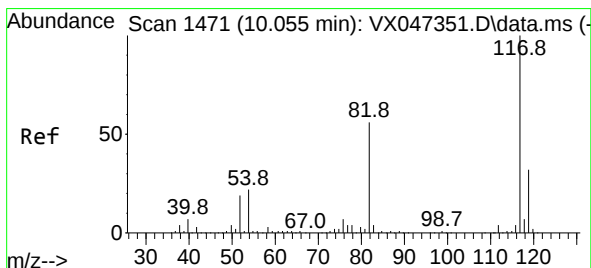
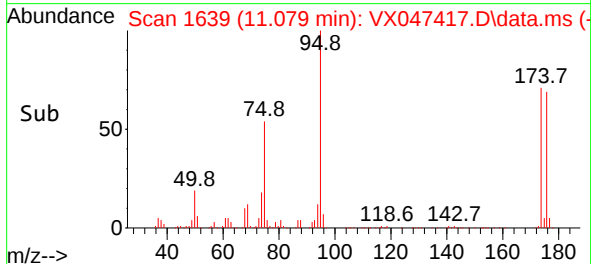
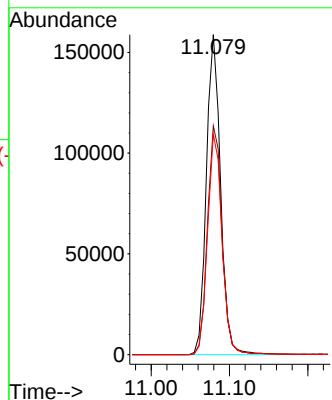
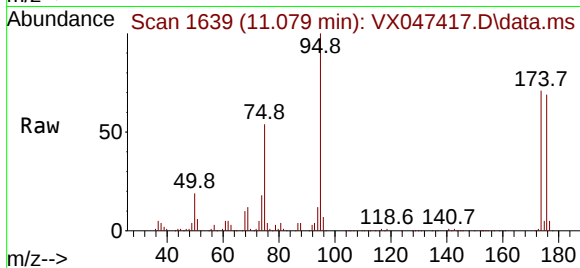




#62
4-Bromofluorobenzene
Concen: 56.150 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

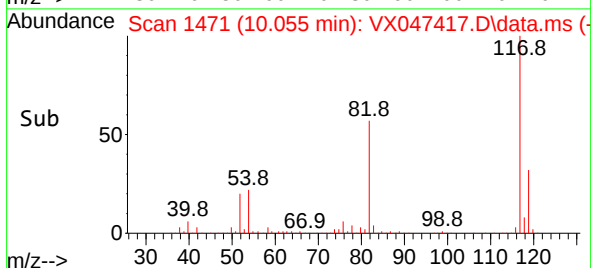
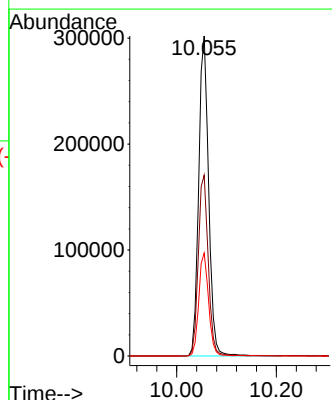
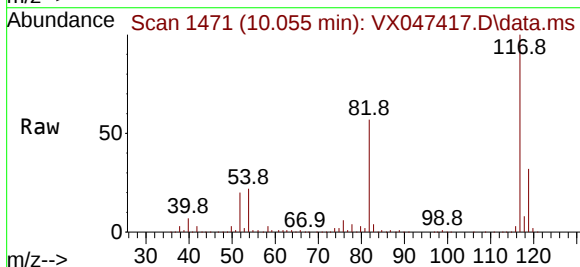
Instrument :
MSVOA_X
ClientSampleId :
EB02-081325

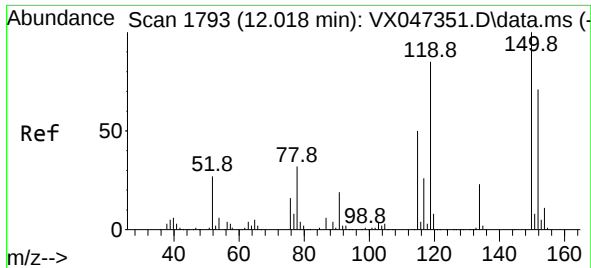
Tgt Ion: 95 Resp: 199041
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.0
176 70.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion: 117 Resp: 417583
Ion Ratio Lower Upper
117 100
82 56.5 45.0 67.4
119 32.2 25.8 38.8

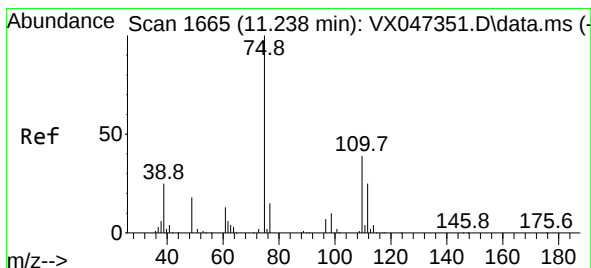
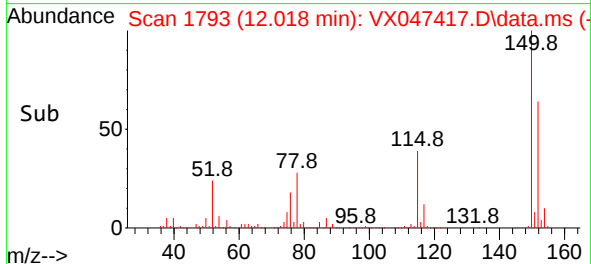
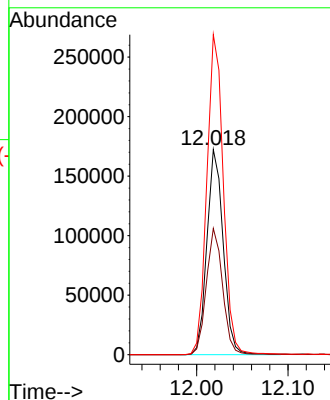
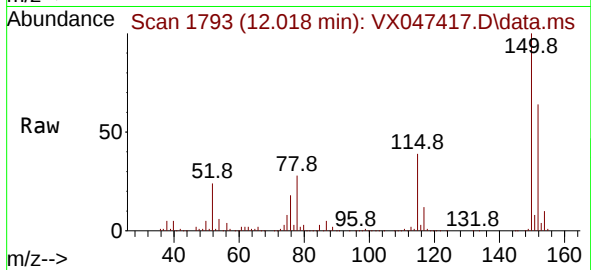




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047417.D
 Acq: 19 Aug 2025 16:57

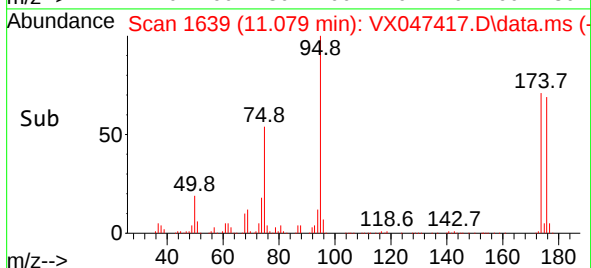
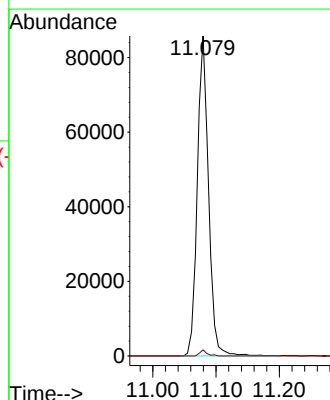
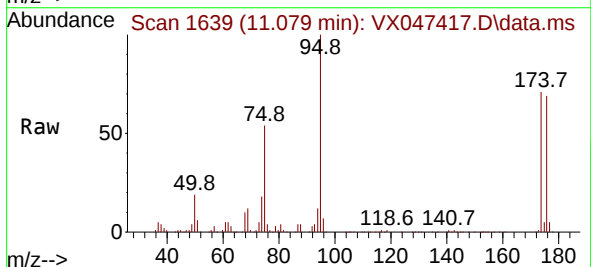
Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-081325

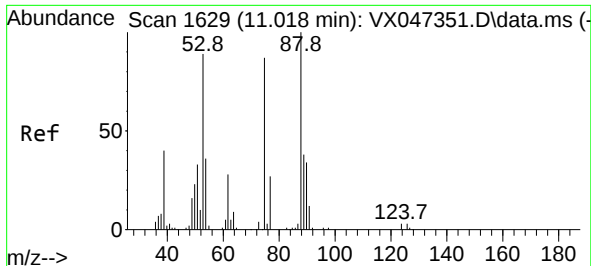
Tgt Ion:152 Resp: 212656
 Ion Ratio Lower Upper
 152 100
 115 61.8 44.6 133.8
 150 158.1 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 27.138 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047417.D
 Acq: 19 Aug 2025 16:57

Tgt Ion: 75 Resp: 105846
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#

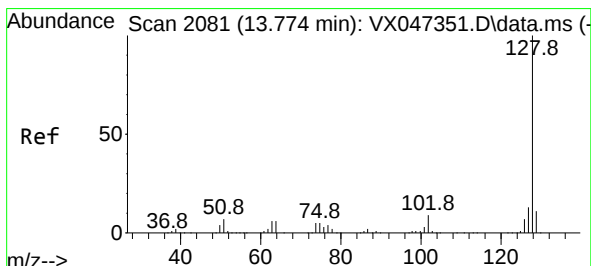
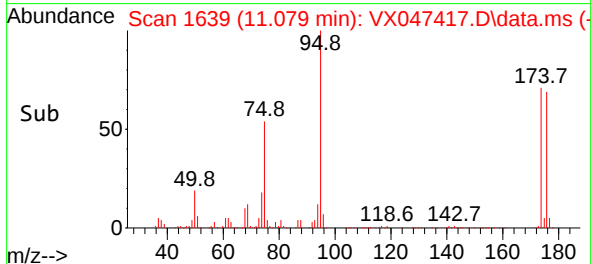
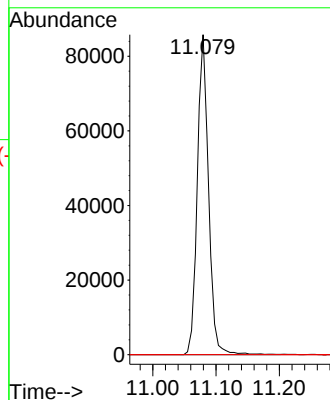
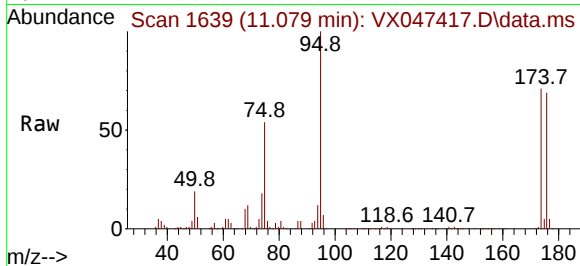




#81
trans-1,4-Dichloro-2-butene
Concen: 107.272 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Instrument :
MSVOA_X
ClientSampleId :
EB02-081325

Tgt Ion: 75 Resp: 105846
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 0.373 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX047417.D
Acq: 19 Aug 2025 16:57

Tgt Ion: 128 Resp: 5265
Ion Ratio Lower Upper
128 100
127 8.8 10.1 15.1#
129 12.0 8.7 13.1

