

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
 Data File : VX047471.D
 Acq On : 21 Aug 2025 15:31
 Operator : JC/MD
 Sample : Q2900-06RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17C-081825

Quant Time: Aug 22 03:49:16 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)

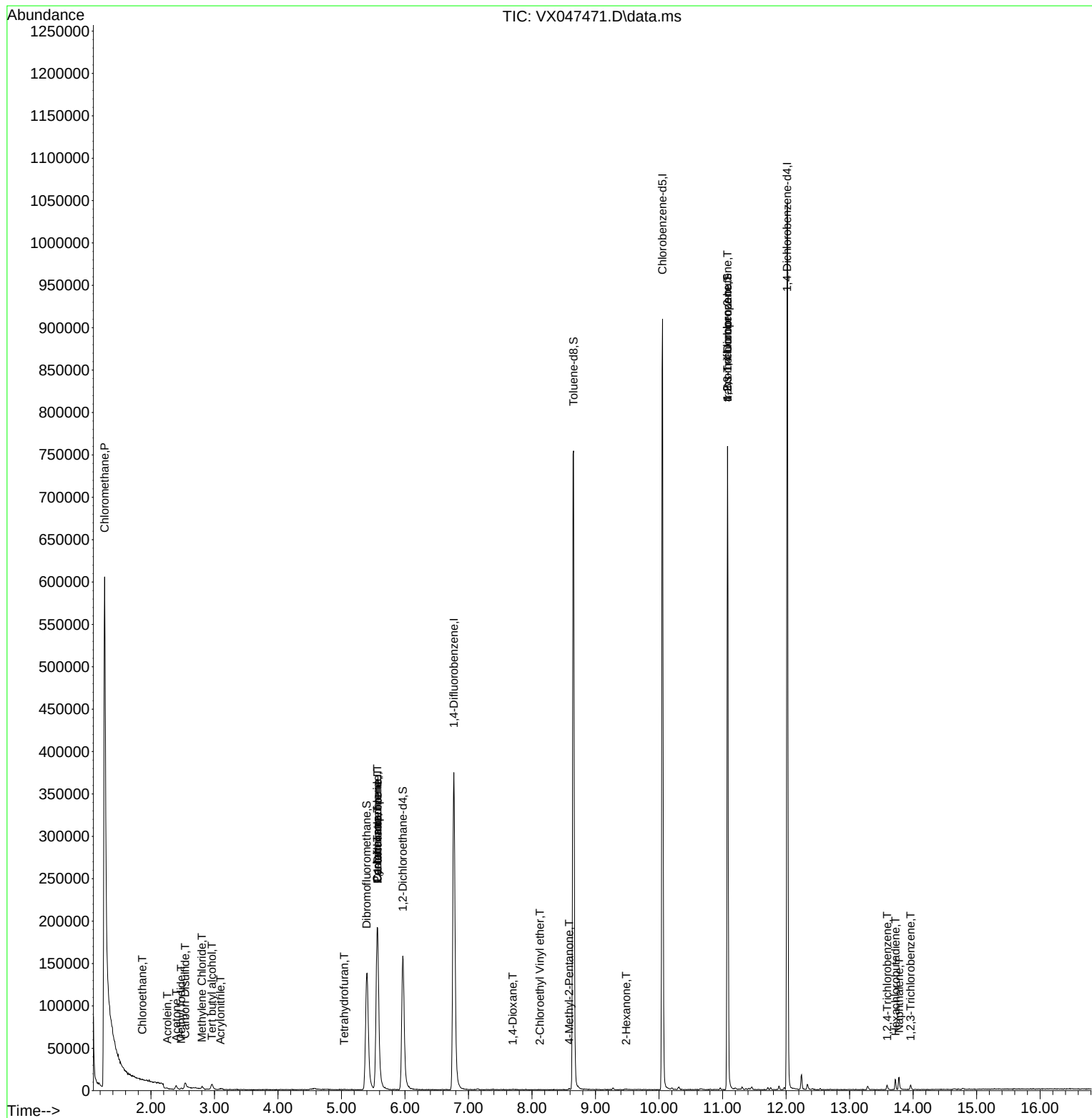
Internal Standards						
1) Pentafluorobenzene	5.568	168	194869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	401435	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	409187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	165528	60.694	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 121.380%#		
35) Dibromofluoromethane	5.397	113	132093	50.701	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.400%		
50) Toluene-d8	8.653	98	473975	50.898	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 101.800%		
62) 4-Bromofluorobenzene	11.079	95	202115	58.816	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 117.640%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	23547	10.537	ug/l #	41
6) Chloroethane	1.861	64	1855	1.081	ug/l #	46
10) Methyl Iodide	2.477	142	2288	0.555	ug/l #	91
11) Tert butyl alcohol	2.959	59	3883	16.366	ug/l #	74
13) Acrolein	2.258	56	369	0.737	ug/l #	70
15) Acrylonitrile	3.093	53	399	0.348	ug/l	94
16) Acetone	2.398	43	5210	5.082	ug/l	93
17) Carbon Disulfide	2.538	76	5988	0.809	ug/l	99
20) Methylene Chloride	2.800	84	1170	0.431	ug/l #	83
29) Tetrahydrofuran	5.044	42	242	0.279	ug/l #	34
31) Cyclohexane	5.562	56	4329	0.986	ug/l #	20
36) 1,1-Dichloropropene	5.568	75	15934	3.874	ug/l #	51
38) Carbon Tetrachloride	5.562	117	19632	4.368	ug/l #	15
49) 1,4-Dioxane	7.696	88	74	2.391	ug/l #	72
51) 4-Methyl-2-Pentanone	8.586	43	1317	0.373	ug/l #	76
58) 2-Chloroethyl Vinyl ether	8.122	63	20	8.365	ug/l #	46
59) 2-Hexanone	9.482	43	1189	0.487	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	104720	27.086	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	104720	107.082	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.591	180	1682	0.344	ug/l	95
94) Hexachlorobutadiene	13.725	225	1668	0.957	ug/l	88
95) Naphthalene	13.780	128	11220	0.802	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1573	0.341	ug/l	90

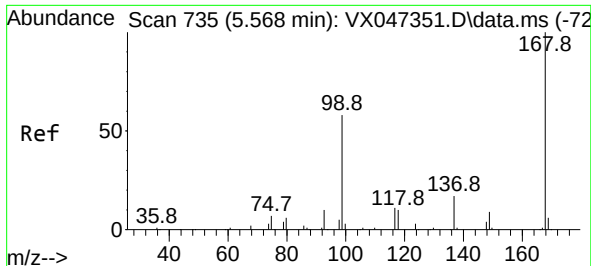
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Aug 22 03:49:16 2025
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QLast Update : Mon Aug 18 04:18:28 2025
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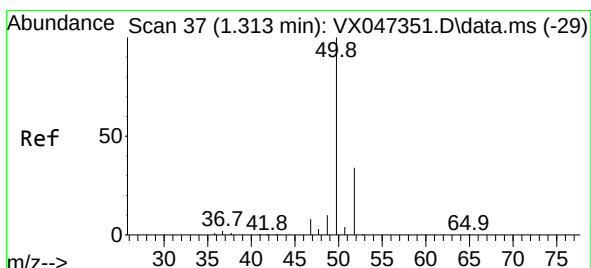
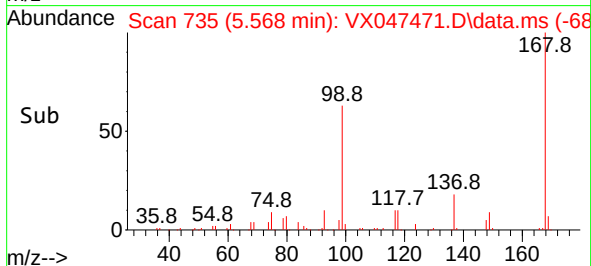
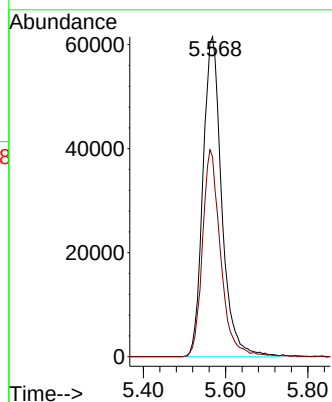
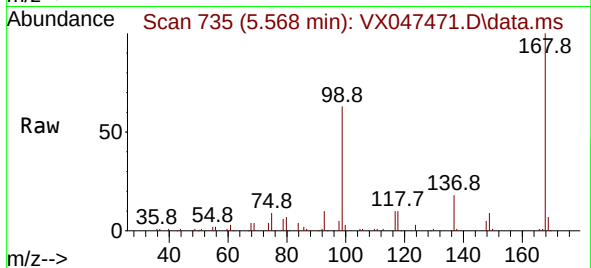




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

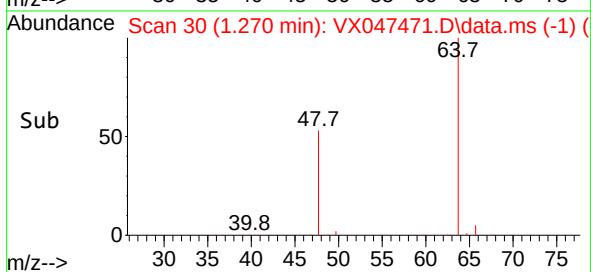
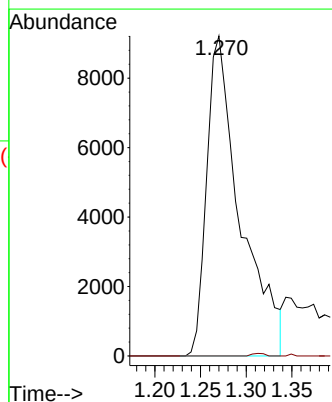
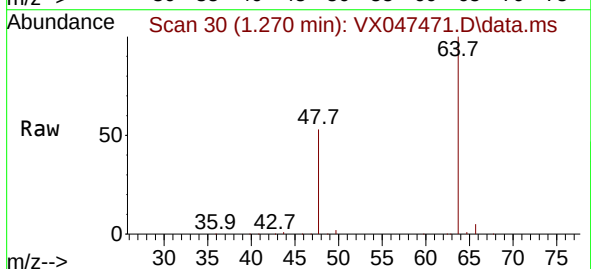
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

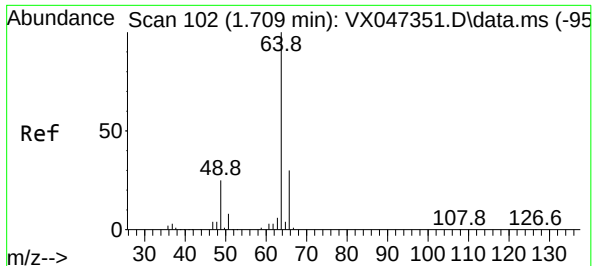
Tgt Ion:168 Resp: 194869
Ion Ratio Lower Upper
168 100
99 62.5 47.9 71.9



#3
Chloromethane
Concen: 10.537 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.043 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion: 50 Resp: 23547
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

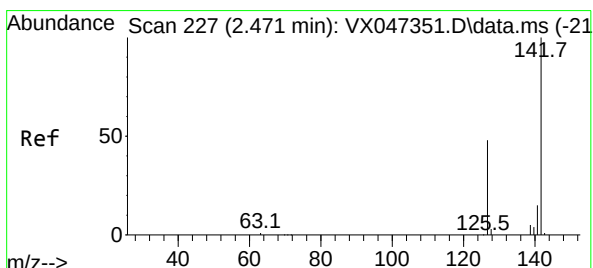
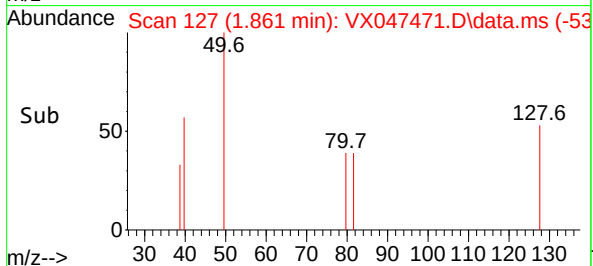
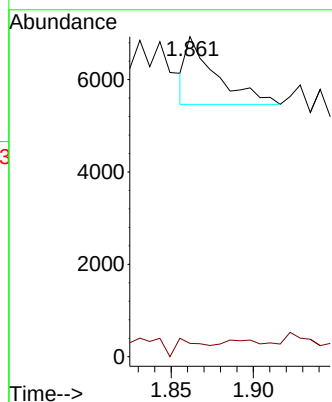
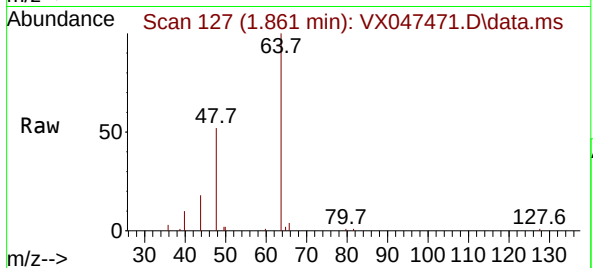




#6
Chloroethane
Concen: 1.081 ug/l
RT: 1.861 min Scan# 11
Delta R.T. 0.153 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

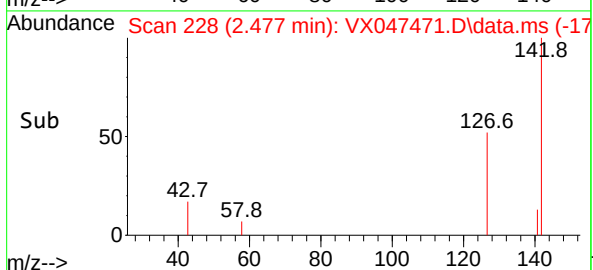
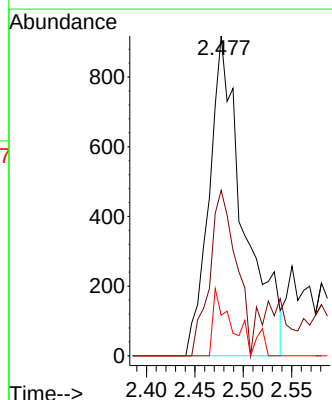
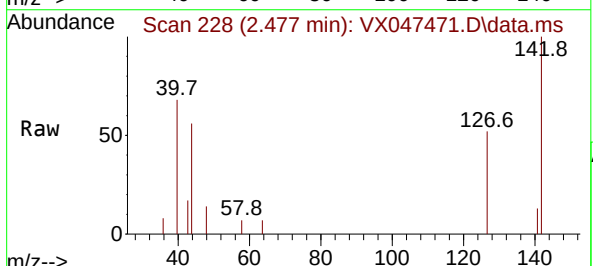
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

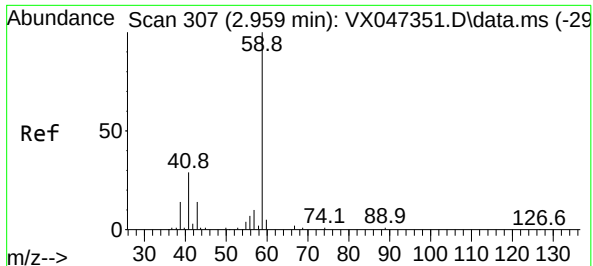
Tgt Ion: 64 Resp: 1855
Ion Ratio Lower Upper
64 100
66 1.0 24.4 36.6#



#10
Methyl Iodide
Concen: 0.555 ug/l
RT: 2.477 min Scan# 228
Delta R.T. 0.006 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion:142 Resp: 2288
Ion Ratio Lower Upper
142 100
127 39.3 36.1 54.1
141 10.6 11.1 16.7#

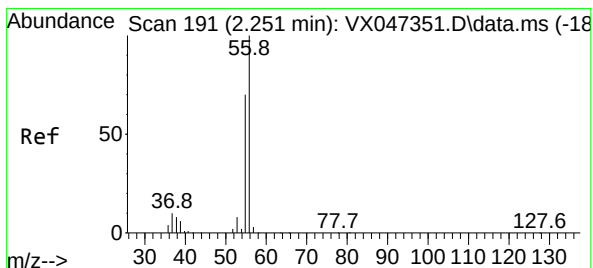
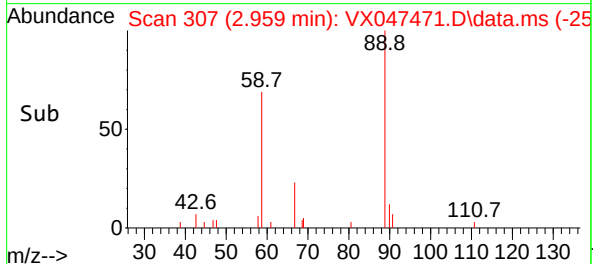
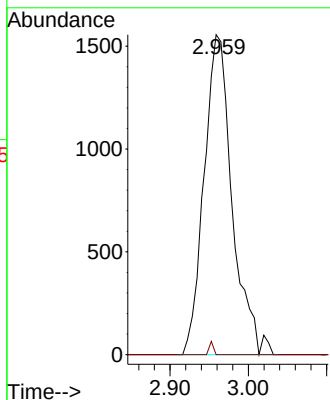
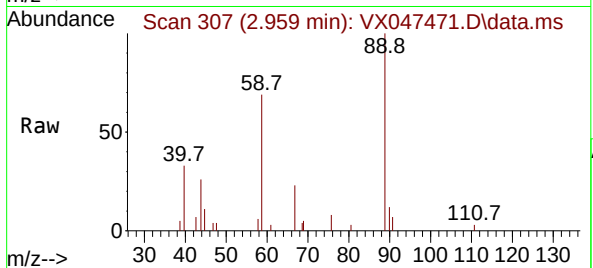




#11
Tert butyl alcohol
Concen: 16.366 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

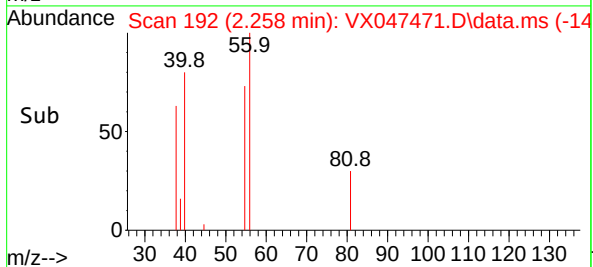
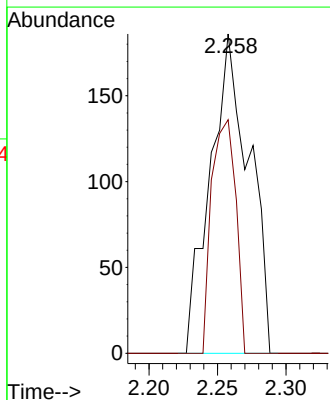
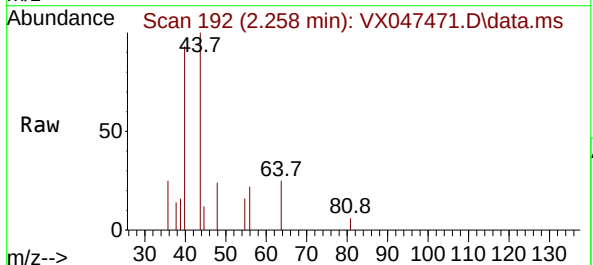
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

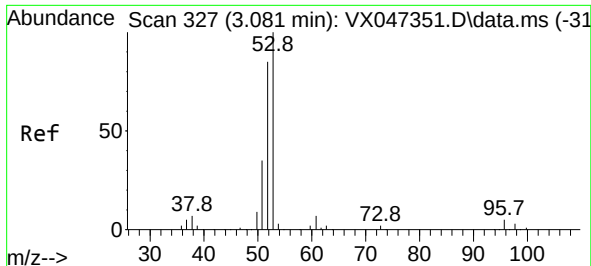
Tgt Ion: 59 Resp: 3883
Ion Ratio Lower Upper
59 100
57 0.6 8.3 12.5#



#13
Acrolein
Concen: 0.737 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.006 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion: 56 Resp: 369
Ion Ratio Lower Upper
56 100
55 45.0 55.5 83.3#

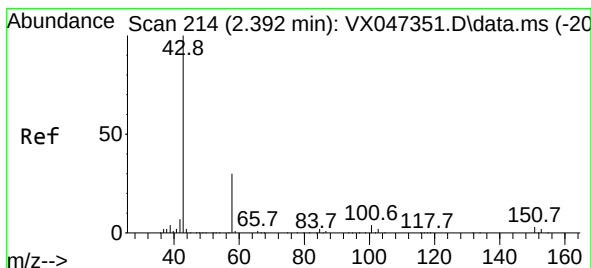
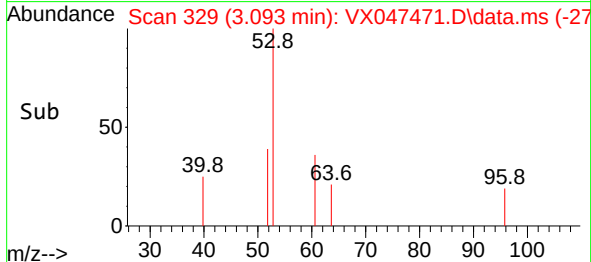
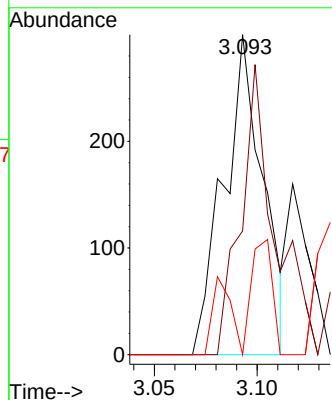
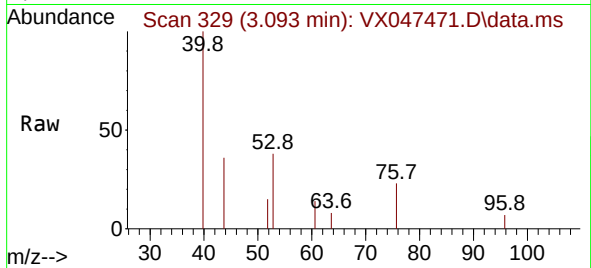




#15
Acrylonitrile
Concen: 0.348 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

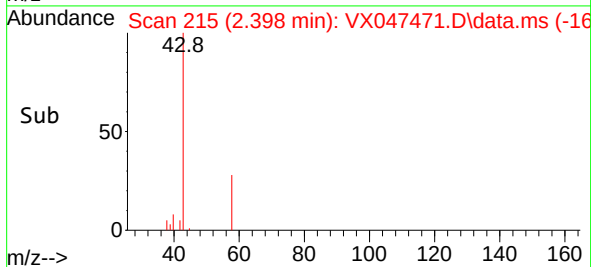
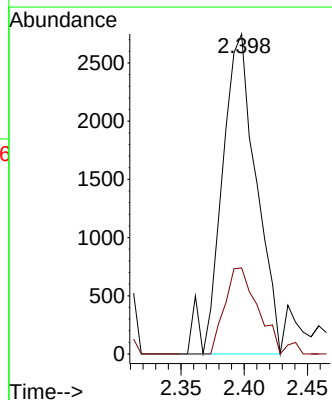
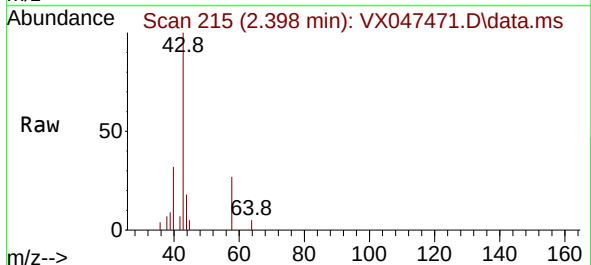
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

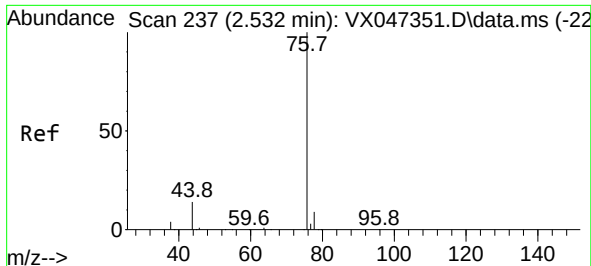
Tgt Ion:	53	Resp:	399
Ion	Ratio	Lower	Upper
53	100		
52	78.2	65.8	98.6
51	30.3	28.2	42.2



#16
Acetone
Concen: 5.082 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion:	43	Resp:	5210
Ion	Ratio	Lower	Upper
43	100		
58	26.9	24.8	37.2





#17

Carbon Disulfide

Concen: 0.809 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047471.D

Acq: 21 Aug 2025 15:31

Instrument :

MSVOA_X

ClientSampleId :

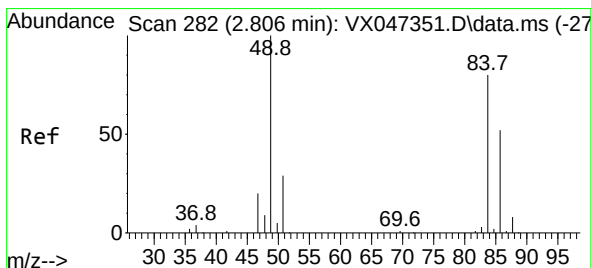
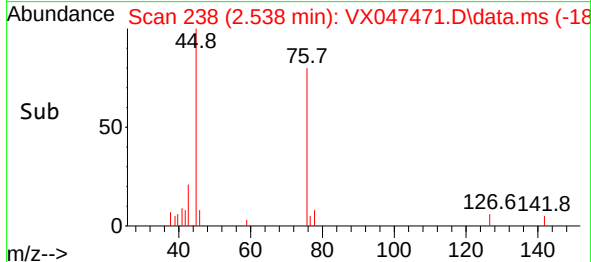
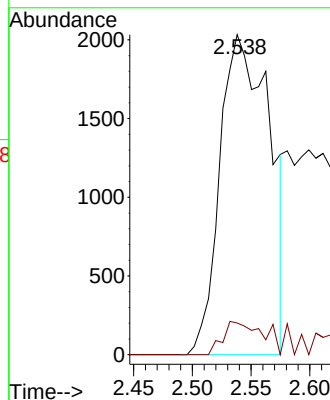
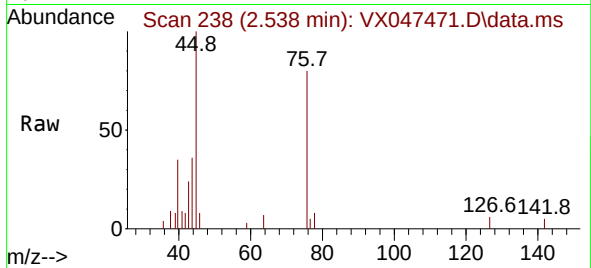
MW-17C-081825

Tgt Ion: 76 Resp: 5988

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



#20

Methylene Chloride

Concen: 0.431 ug/l

RT: 2.800 min Scan# 281

Delta R.T. -0.006 min

Lab File: VX047471.D

Acq: 21 Aug 2025 15:31

Tgt Ion: 84 Resp: 1170

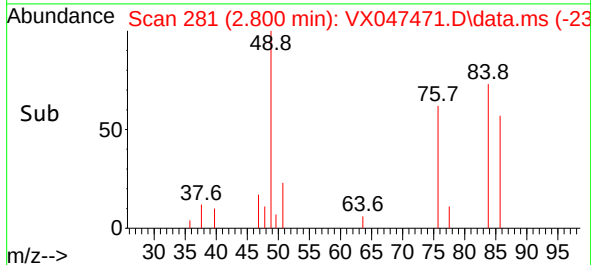
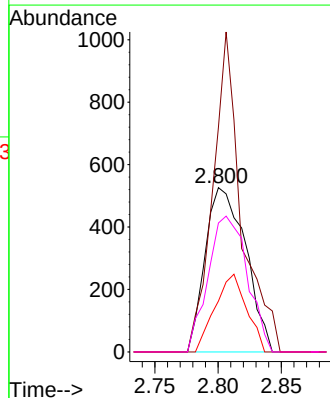
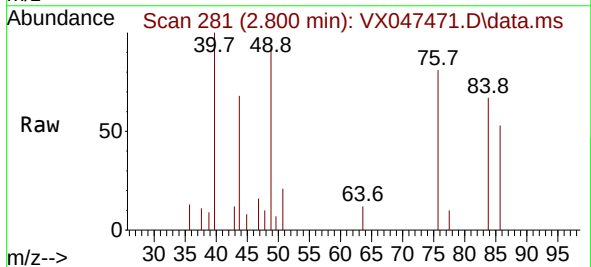
Ion Ratio Lower Upper

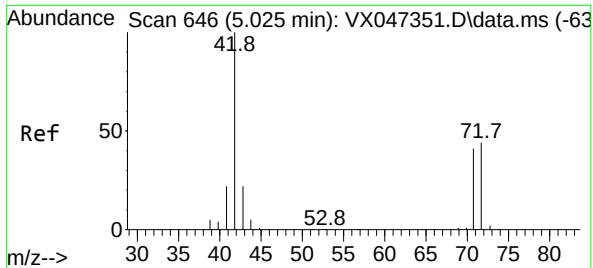
84 100

49 146.8 100.1 150.1

51 31.0 29.5 44.3

86 78.5 51.8 77.8#

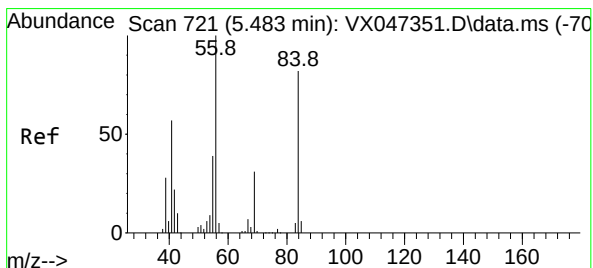
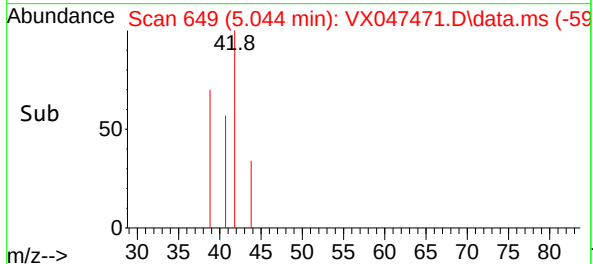
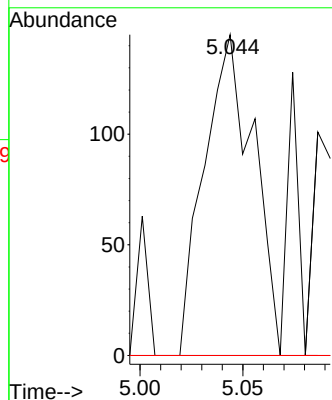
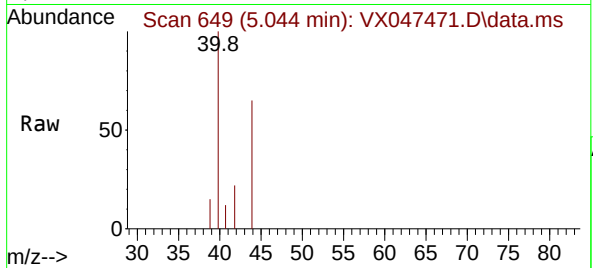




#29
Tetrahydrofuran
Concen: 0.279 ug/l
RT: 5.044 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

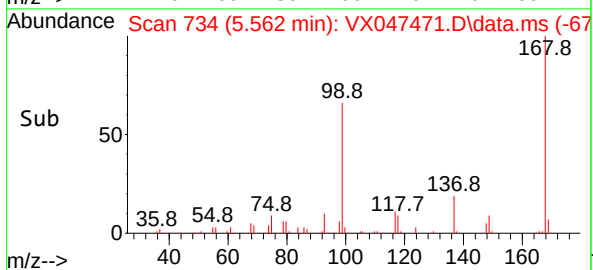
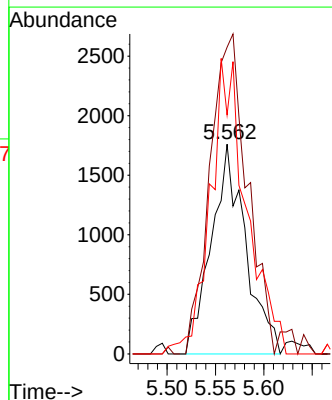
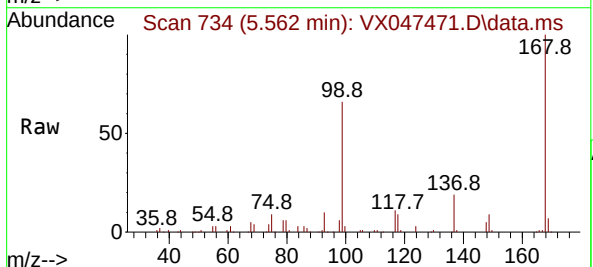
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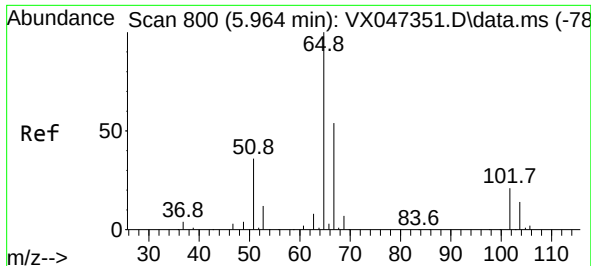
Tgt Ion: 42 Resp: 242
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.6 49.0#



#31
Cyclohexane
Concen: 0.986 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion: 56 Resp: 4329
Ion Ratio Lower Upper
56 100
69 146.3 24.3 36.5#
84 108.7 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 60.694 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047471.D

Acq: 21 Aug 2025 15:31

Instrument :

MSVOA_X

ClientSampleId :

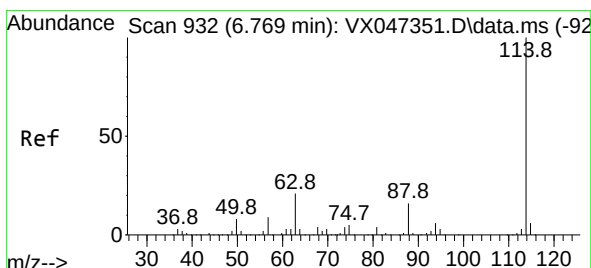
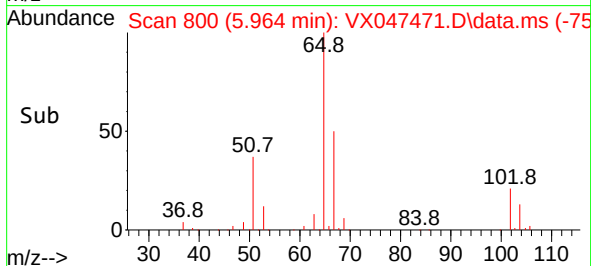
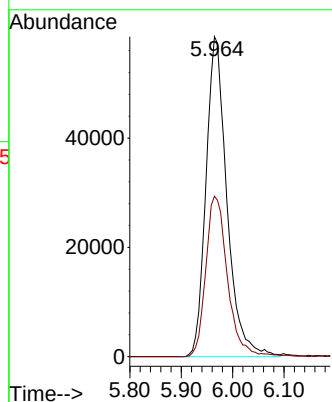
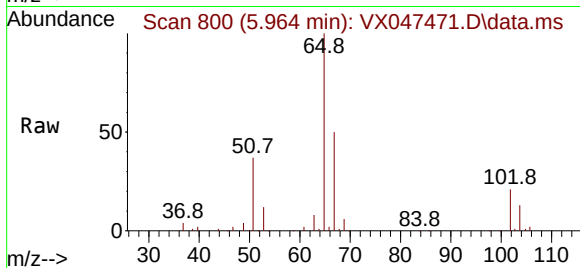
MW-17C-081825

Tgt Ion: 65 Resp: 165528

Ion Ratio Lower Upper

65 100

67 52.2 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: VX047471.D

Acq: 21 Aug 2025 15:31

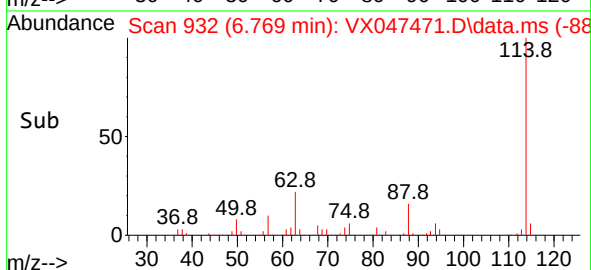
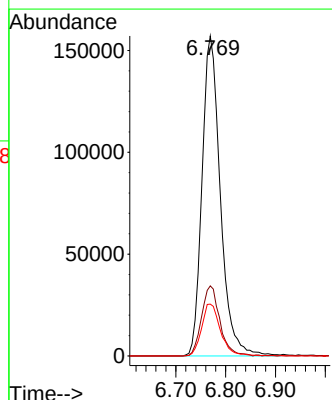
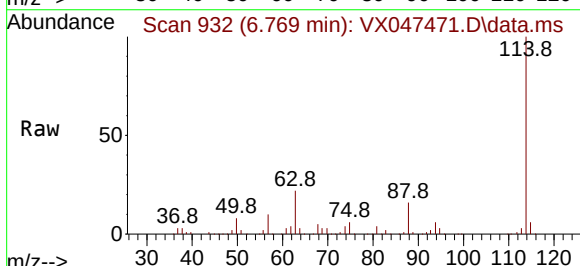
Tgt Ion: 114 Resp: 401435

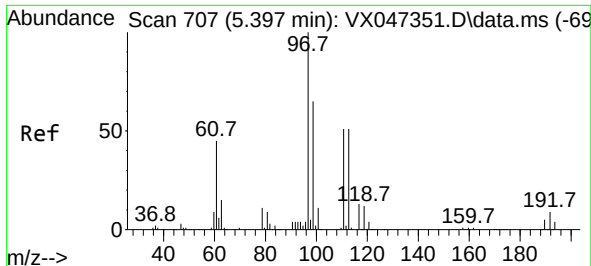
Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.4

88 16.2 0.0 33.0

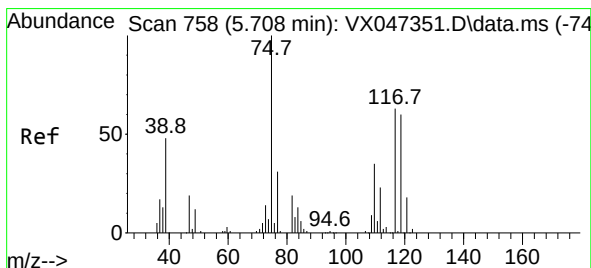
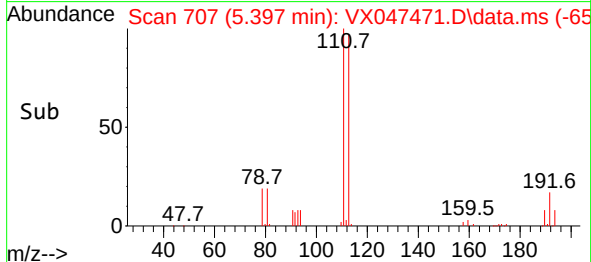
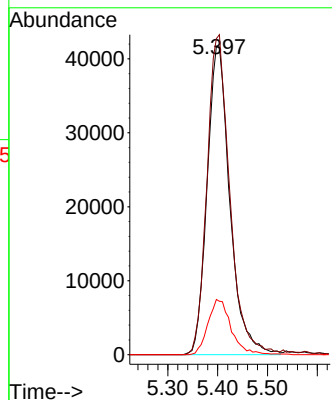
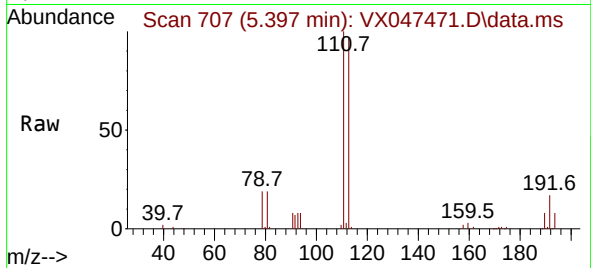




#35
Dibromofluoromethane
Concen: 50.701 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

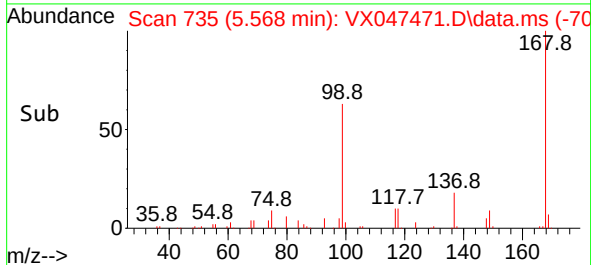
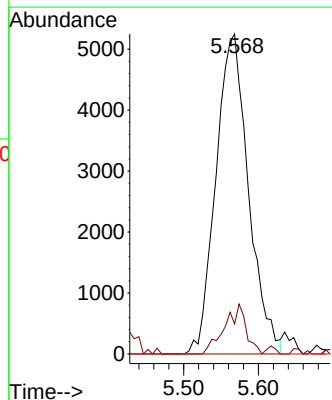
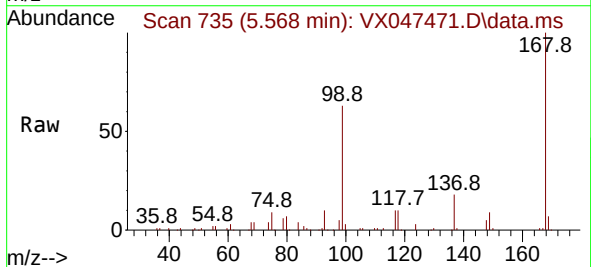
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

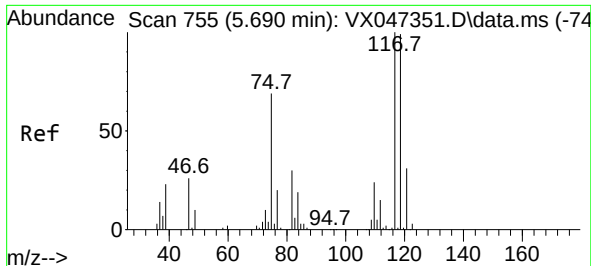
Tgt Ion:113 Resp: 132093
Ion Ratio Lower Upper
113 100
111 104.0 81.4 122.2
192 18.3 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.874 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.140 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion: 75 Resp: 15934
Ion Ratio Lower Upper
75 100
110 10.3 17.4 52.2#
77 0.0 24.4 36.6#

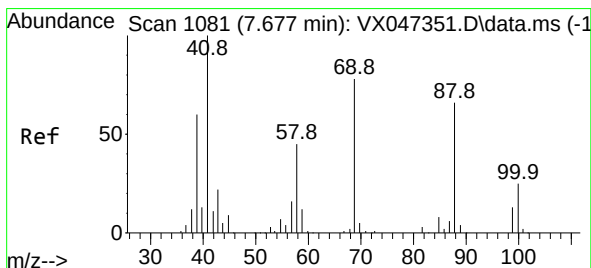
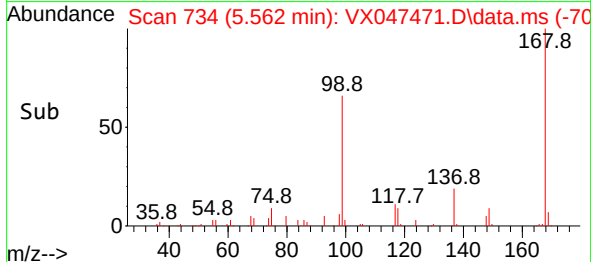
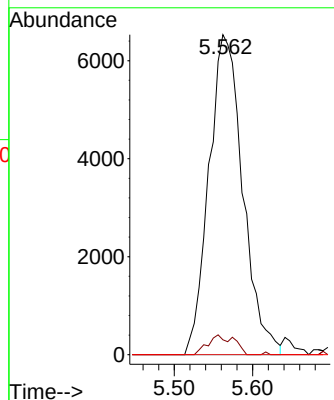
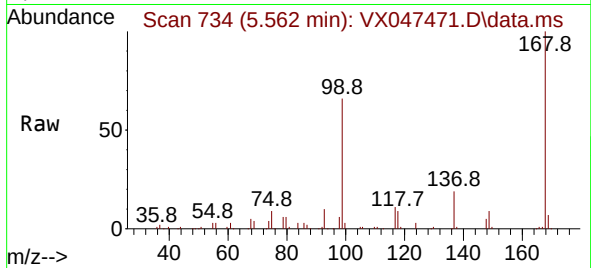




#38
Carbon Tetrachloride
Concen: 4.368 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

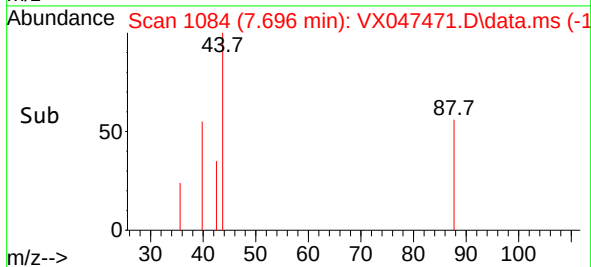
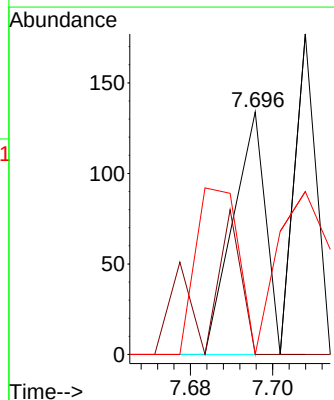
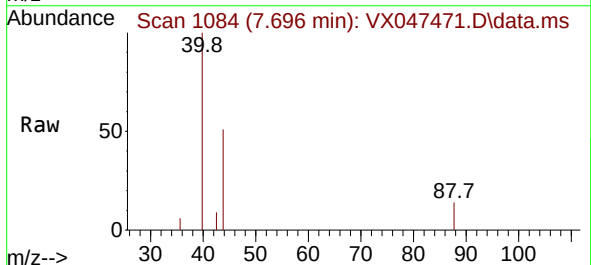
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

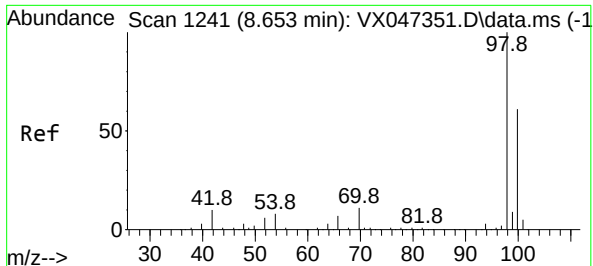
Tgt Ion:117 Resp: 19632
Ion Ratio Lower Upper
117 100
119 4.7 78.5 117.7#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 2.391 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.018 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 64.9 32.4 48.6#
58 89.2 56.9 85.3#

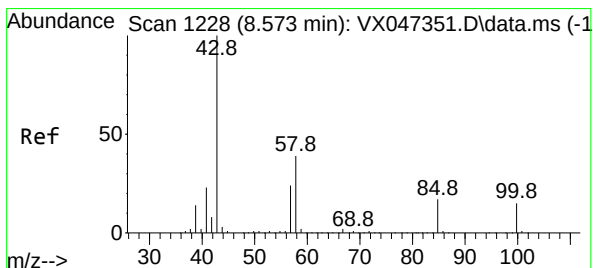
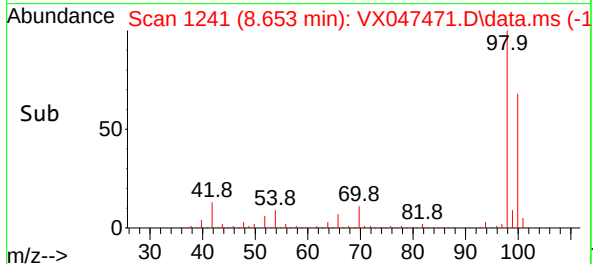
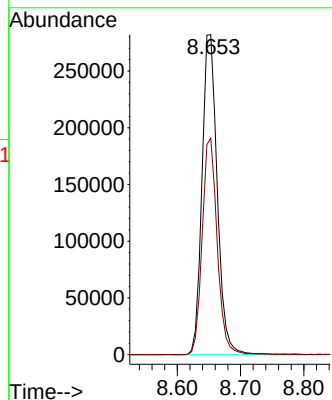
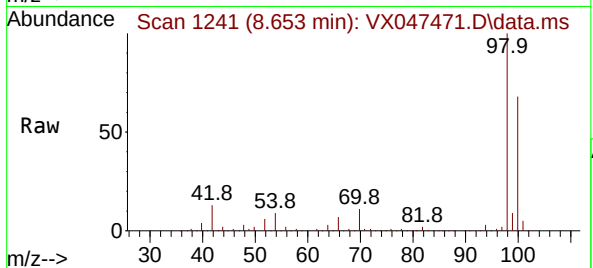




#50
Toluene-d8
Concen: 50.898 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

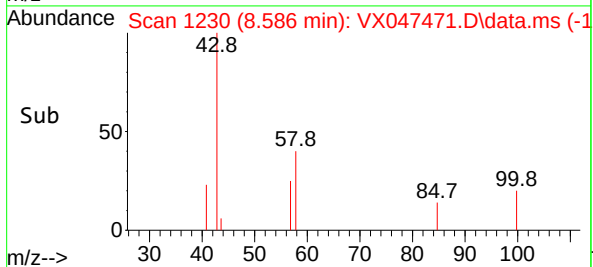
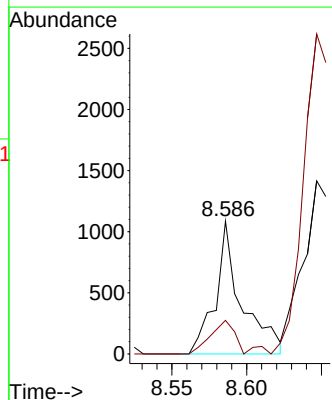
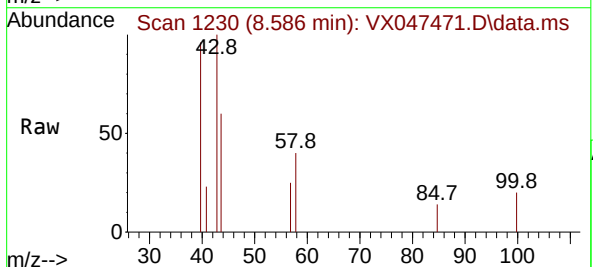
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

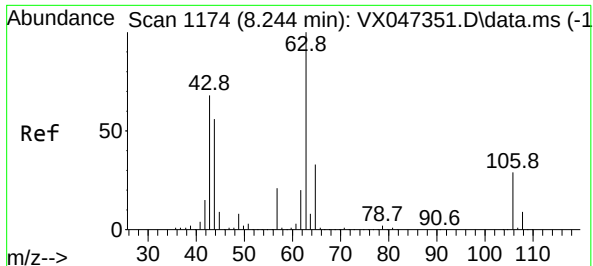
Tgt Ion: 98 Resp: 473975
Ion Ratio Lower Upper
98 100
100 66.7 53.9 80.9



#51
4-Methyl-2-Pentanone
Concen: 0.373 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion: 43 Resp: 1317
Ion Ratio Lower Upper
43 100
58 24.5 31.2 46.8#

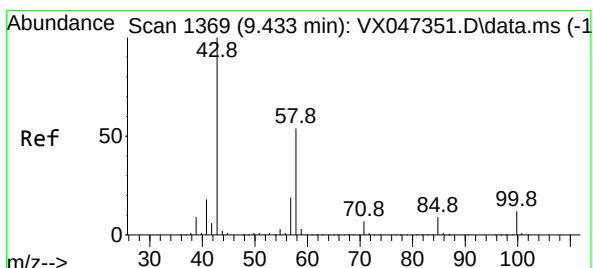
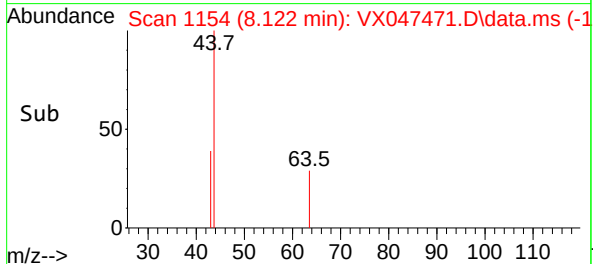
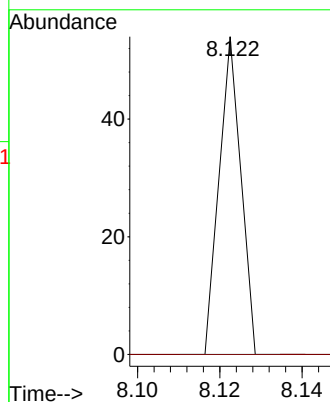
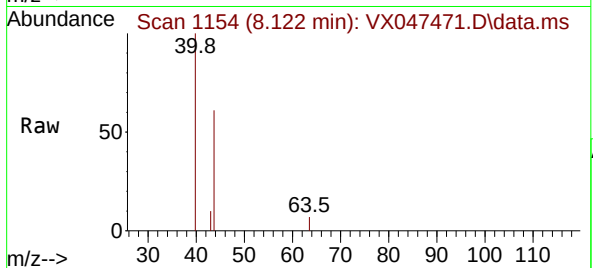




#58
2-Chloroethyl Vinyl ether
Concen: 8.365 ug/l
RT: 8.122 min Scan# 1154
Delta R.T. -0.122 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

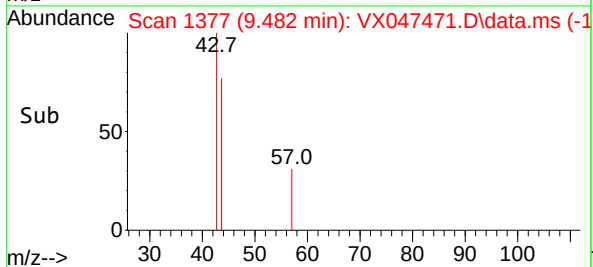
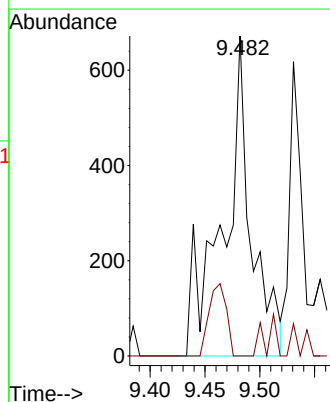
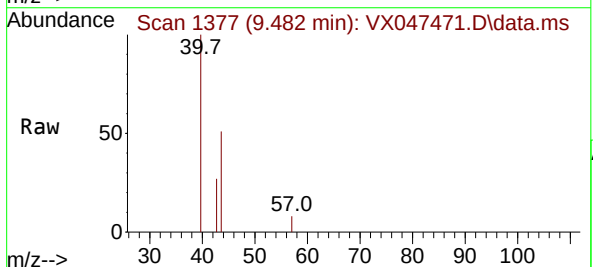
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

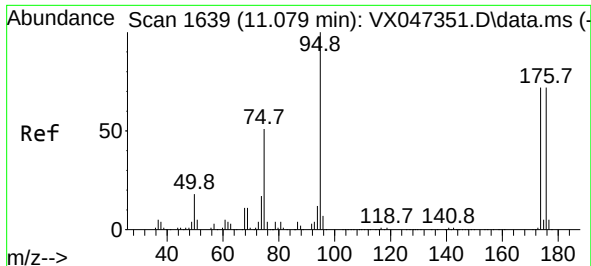
Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#59
2-Hexanone
Concen: 0.487 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion: 43 Resp: 1189
Ion Ratio Lower Upper
43 100
58 14.0 26.9 80.7#

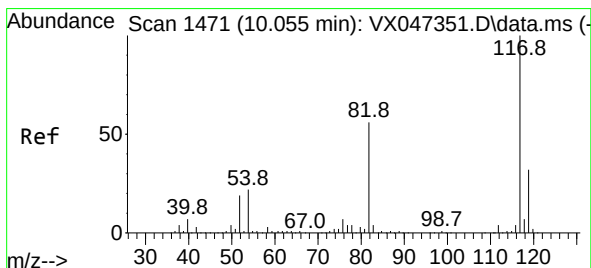
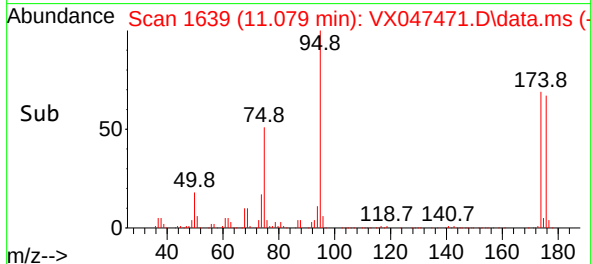
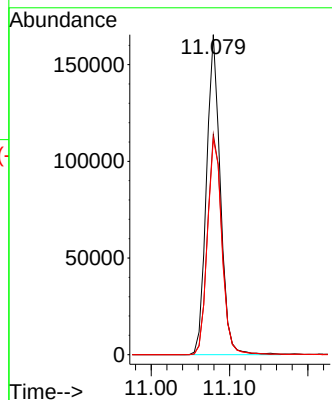
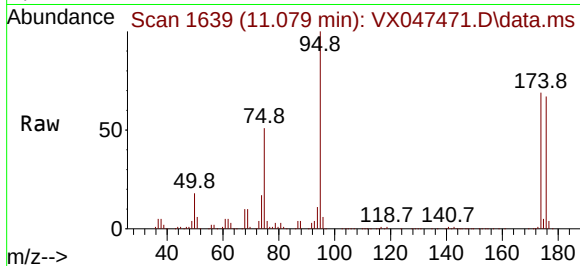




#62
4-Bromofluorobenzene
Concen: 58.816 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

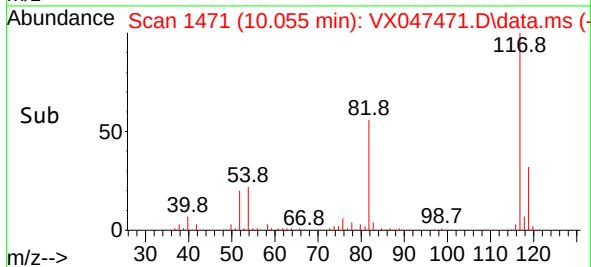
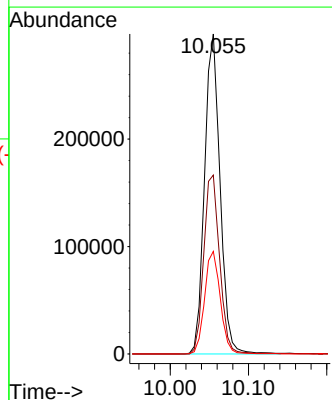
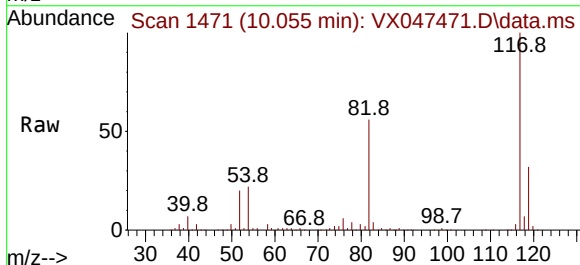
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

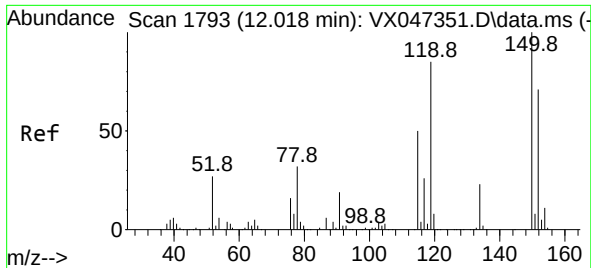
Tgt Ion: 95 Resp: 202115
Ion Ratio Lower Upper
95 100
174 72.3 0.0 148.0
176 70.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion: 117 Resp: 409187
Ion Ratio Lower Upper
117 100
82 55.9 45.0 67.4
119 32.1 25.8 38.8

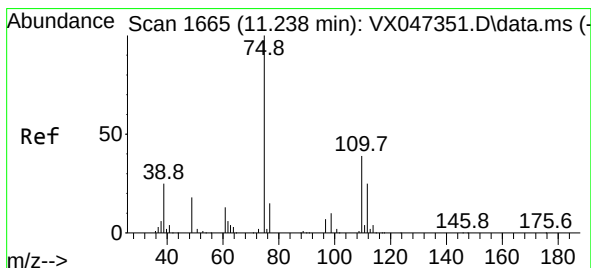
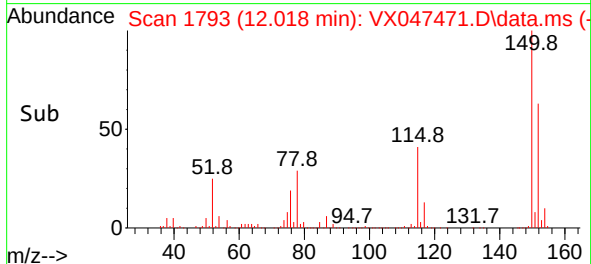
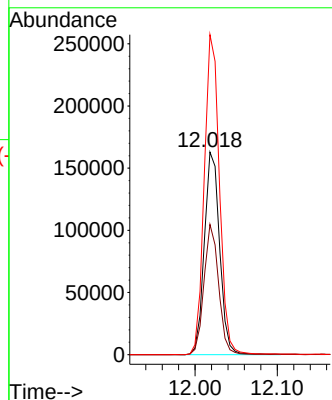
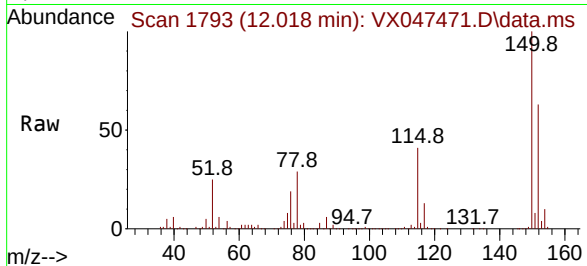




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047471.D
 Acq: 21 Aug 2025 15:31

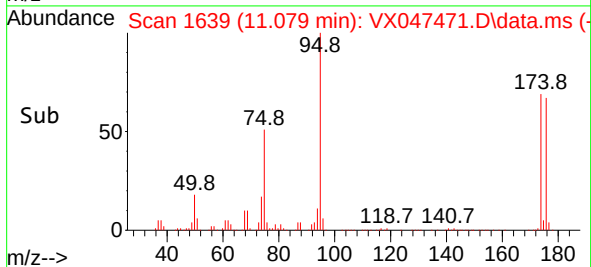
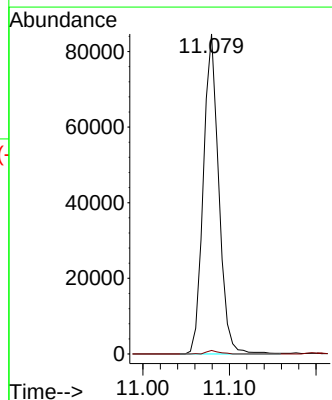
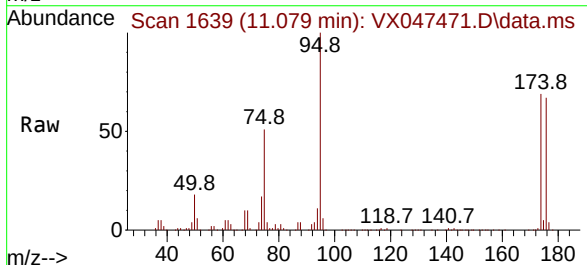
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17C-081825

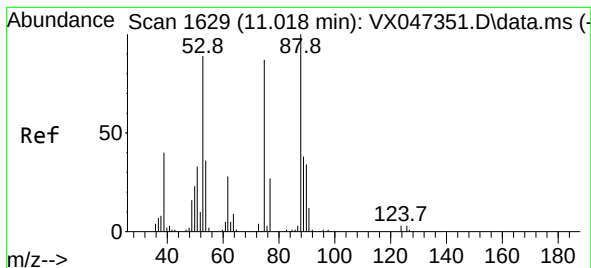
Tgt Ion:152 Resp: 210796
 Ion Ratio Lower Upper
 152 100
 115 61.7 44.6 133.8
 150 157.2 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 27.086 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047471.D
 Acq: 21 Aug 2025 15:31

Tgt Ion: 75 Resp: 104720
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.4 58.2#

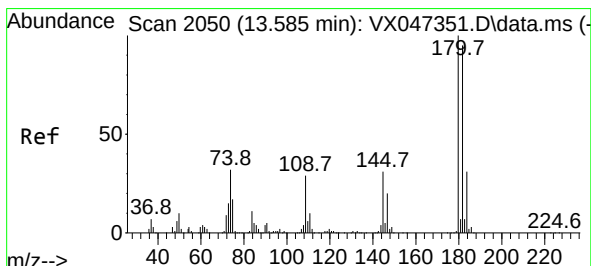
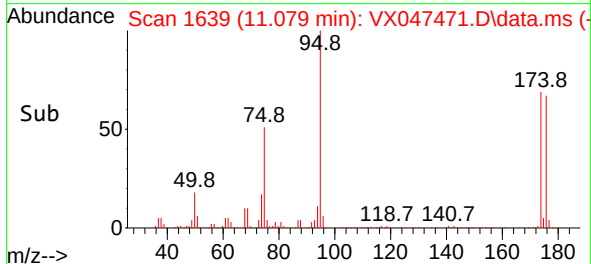
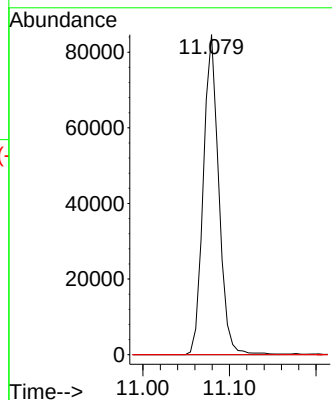
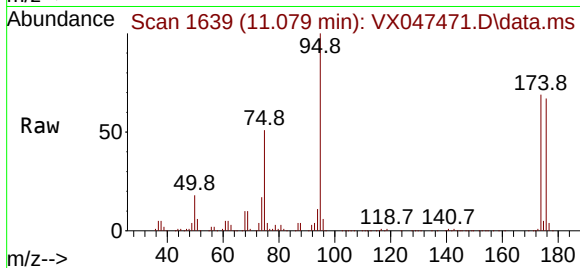




#81
trans-1,4-Dichloro-2-butene
Concen: 107.082 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

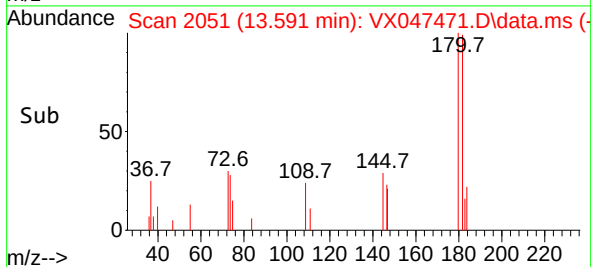
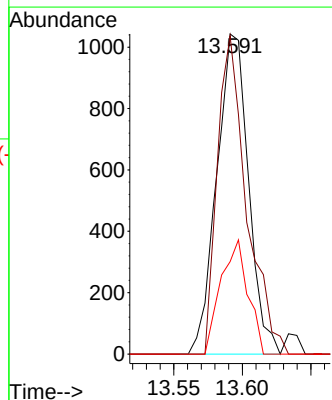
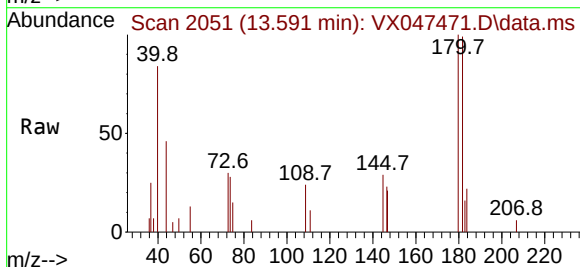
Instrument :
MSVOA_X
ClientSampleId :
MW-17C-081825

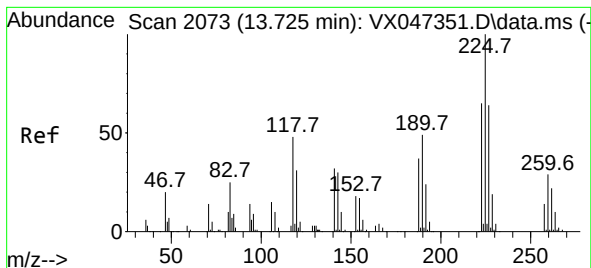
Tgt Ion: 75 Resp: 104720
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#93
1,2,4-Trichlorobenzene
Concen: 0.344 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX047471.D
Acq: 21 Aug 2025 15:31

Tgt Ion:180 Resp: 1682
Ion Ratio Lower Upper
180 100
182 91.2 48.1 144.4
145 30.4 16.2 48.5





#94

Hexachlorobutadiene

Concen: 0.957 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX047471.D

Acq: 21 Aug 2025 15:31

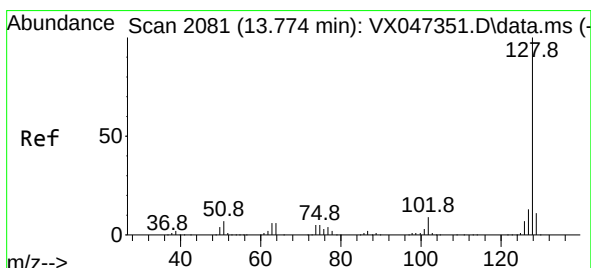
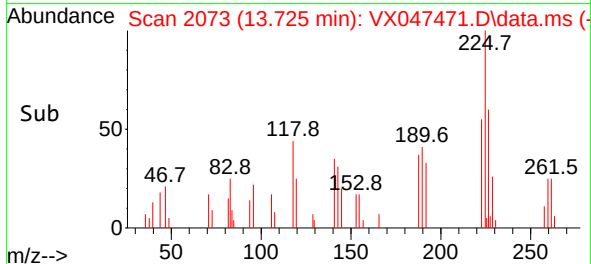
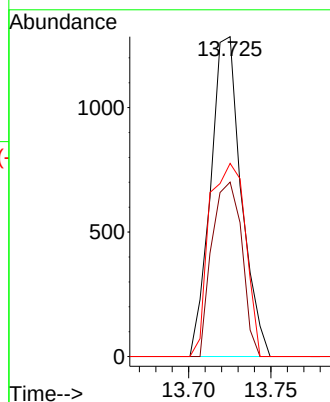
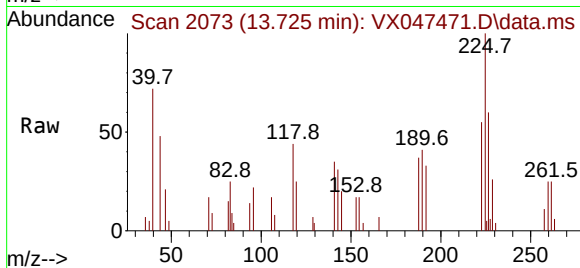
Instrument :

MSVOA_X

ClientSampleId :

MW-17C-081825

Tgt Ion:	225	Resp:	1668
Ion	Ratio	Lower	Upper
225	100		
223	53.1	32.2	96.6
227	70.8	31.6	95.0



#95

Naphthalene

Concen: 0.802 ug/l

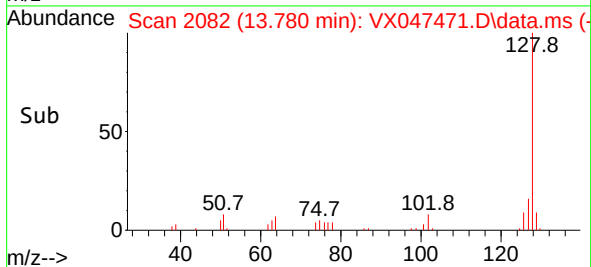
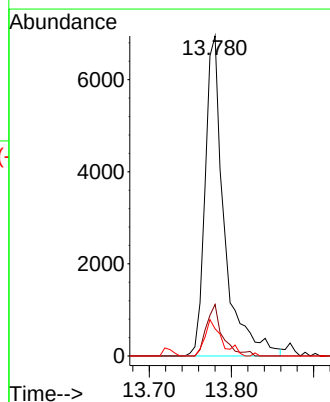
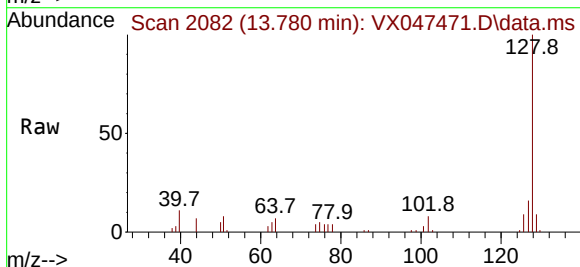
RT: 13.780 min Scan# 2082

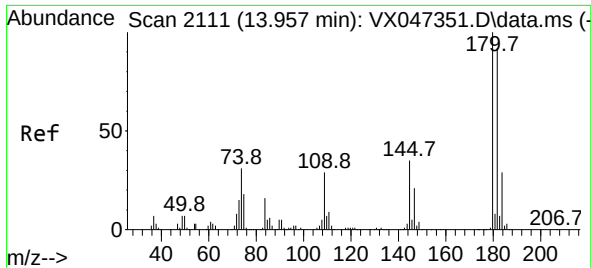
Delta R.T. 0.006 min

Lab File: VX047471.D

Acq: 21 Aug 2025 15:31

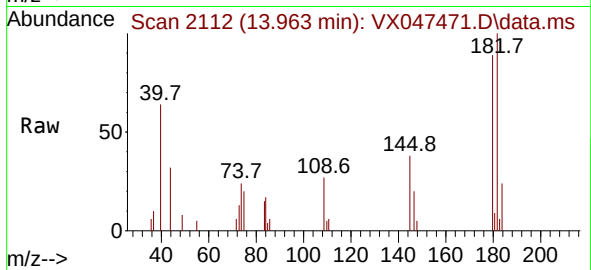
Tgt Ion:	128	Resp:	11220
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.1	15.1
129	9.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.341 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX047471.D
 Acq: 21 Aug 2025 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17C-081825



Tgt Ion:180 Resp: 1573
 Ion Ratio Lower Upper
 180 100
 182 108.5 48.0 144.2
 145 36.9 17.4 52.2

