

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047449.D
 Acq On : 20 Aug 2025 17:35
 Operator : JC/MD
 Sample : Q2900-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-081825

Quant Time: Aug 21 01:36:42 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)

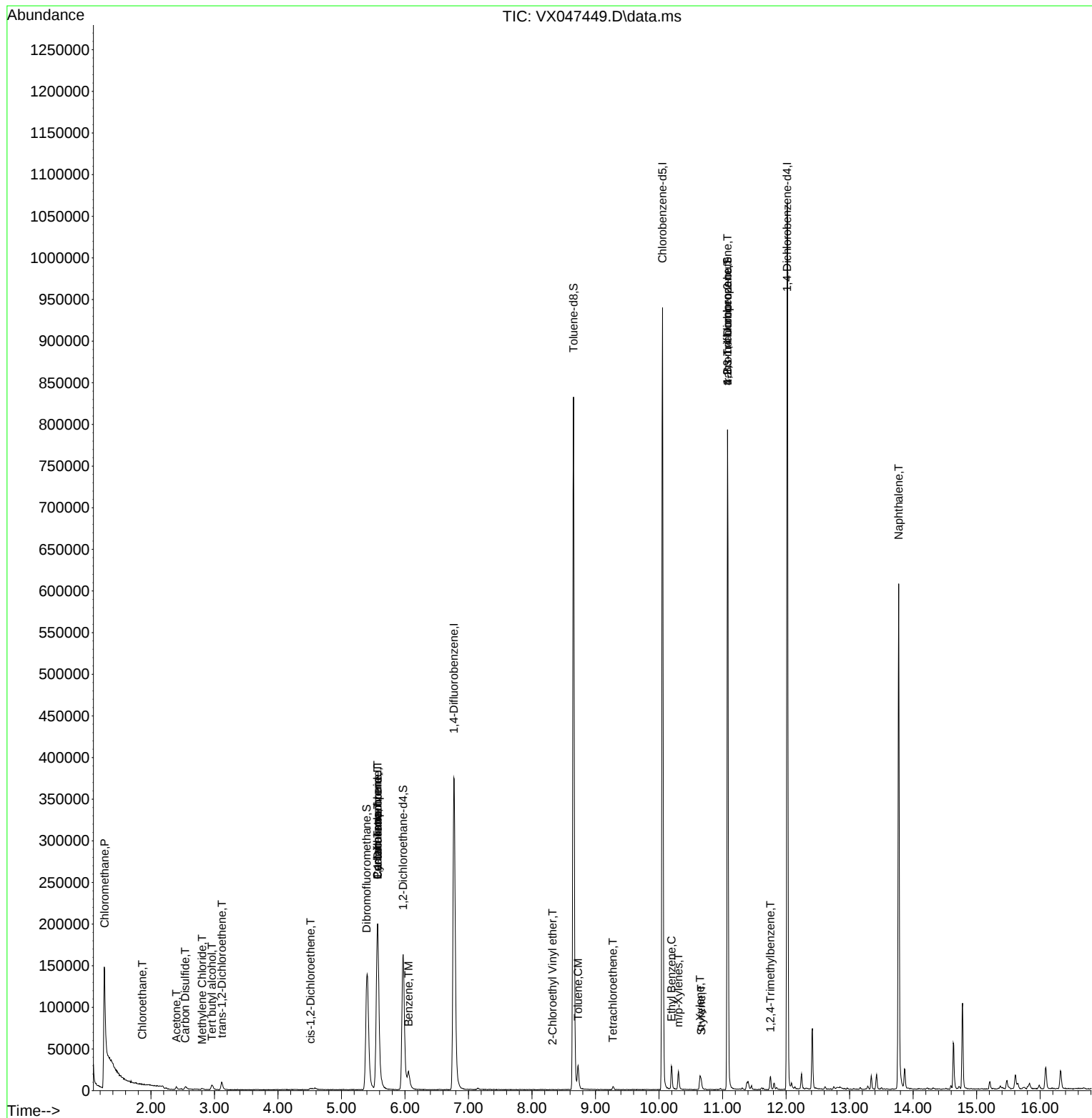
Internal Standards						
1) Pentafluorobenzene	5.568	168	200598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	408818	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	412217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	217719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	173744	61.887	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 123.780%	#
35) Dibromofluoromethane	5.397	113	138643	52.254	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.500%	
50) Toluene-d8	8.653	98	489640	51.631	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.260%	
62) 4-Bromofluorobenzene	11.079	95	213590	61.033	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 122.060%	
Target Compounds						
						Qvalue
3) Chloromethane	1.270	50	5293	2.301	ug/l	# 41
6) Chloroethane	1.861	64	1237	0.700	ug/l	# 44
11) Tert butyl alcohol	2.959	59	3045	12.468	ug/l	# 74
16) Acetone	2.398	43	3503	3.320	ug/l	# 75
17) Carbon Disulfide	2.538	76	2621	0.344	ug/l	# 75
20) Methylene Chloride	2.806	84	567	0.203	ug/l	# 81
21) trans-1,2-Dichloroethene	3.117	96	4052	1.512	ug/l	82
27) cis-1,2-Dichloroethene	4.513	96	1187	0.380	ug/l	66
31) Cyclohexane	5.568	56	4272	0.946	ug/l	# 4
36) 1,1-Dichloropropene	5.568	75	16374	3.909	ug/l	# 50
38) Carbon Tetrachloride	5.568	117	21456	4.688	ug/l	# 14
40) Benzene	6.056	78	23794	1.898	ug/l	96
52) Toluene	8.726	92	11635	1.502	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.324	63	40	8.374	ug/l	# 46
64) Tetrachloroethene	9.275	164	655	0.220	ug/l	# 73
67) Ethyl Benzene	10.195	91	17646	1.047	ug/l	97
68) m/p-Xylenes	10.305	106	5463	0.869	ug/l	94
69) o-Xylene	10.646	106	3086	0.510	ug/l	91
70) Styrene	10.665	104	5759	0.563	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	109785	27.493	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	109785	108.573	ug/l	# 7
84) 1,2,4-Trimethylbenzene	11.756	105	7493	0.535	ug/l	99
95) Naphthalene	13.774	128	383018	26.501	ug/l	99

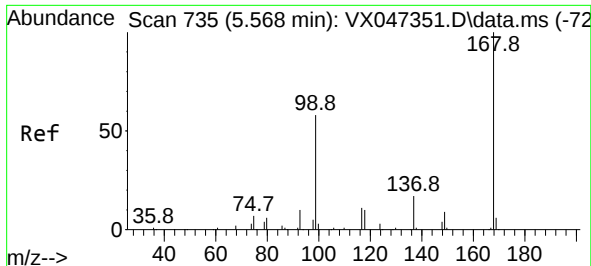
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
Data File : VX047449.D
Acq On : 20 Aug 2025 17:35
Operator : JC/MD
Sample : Q2900-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

Quant Time: Aug 21 01:36:42 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

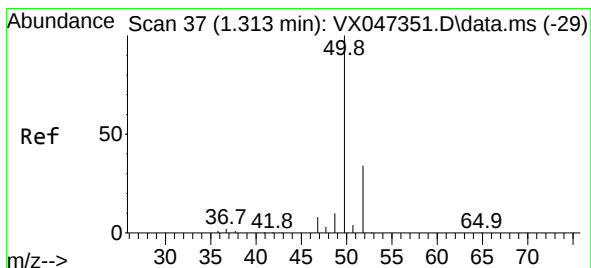
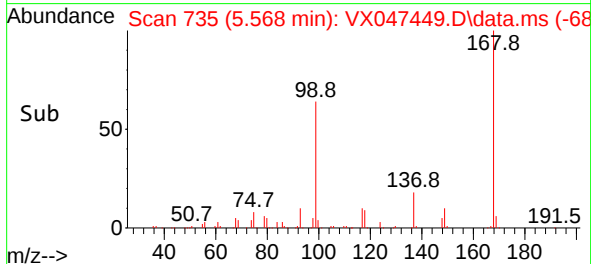
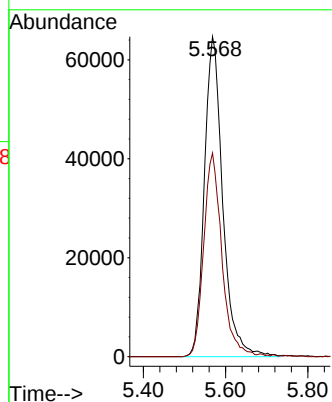
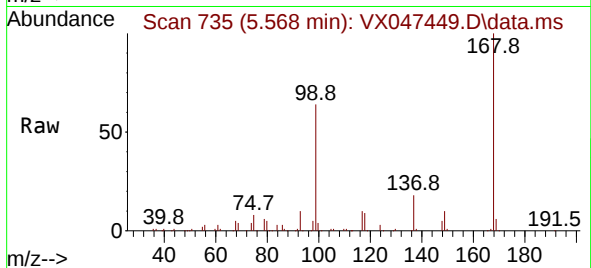




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

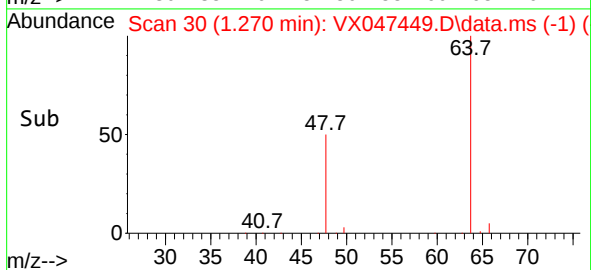
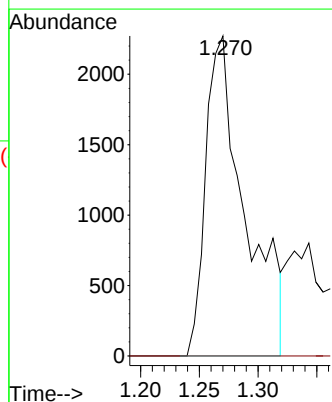
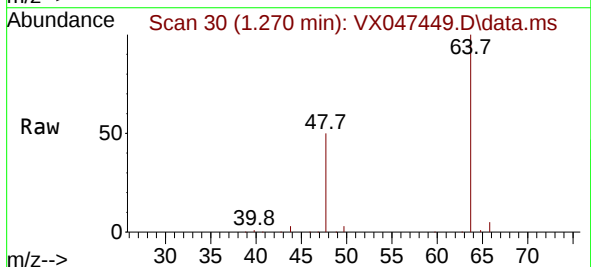
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

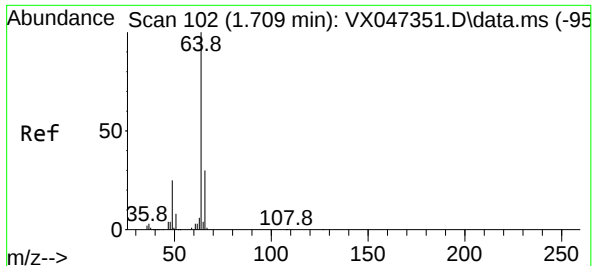
Tgt Ion:168 Resp: 200598
Ion Ratio Lower Upper
168 100
99 63.7 47.9 71.9



#3
Chloromethane
Concen: 2.301 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.043 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

Tgt Ion: 50 Resp: 5293
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.4#

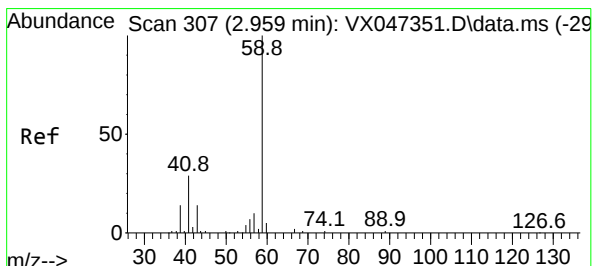
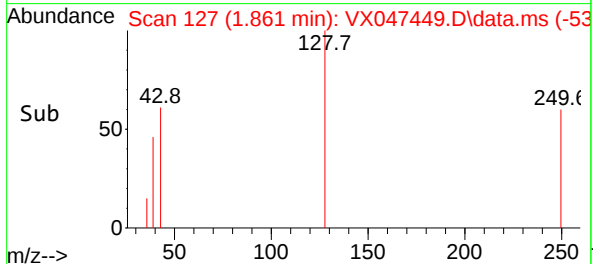
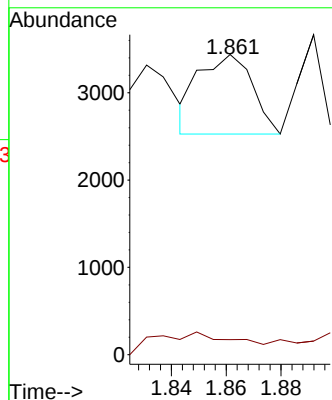
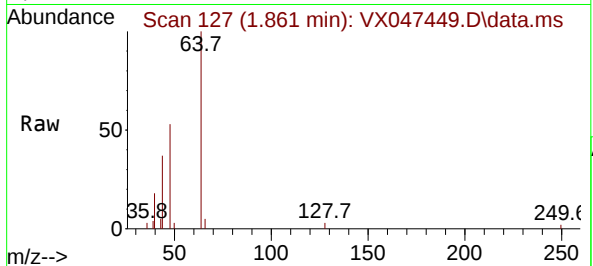




#6
Chloroethane
Concen: 0.700 ug/l
RT: 1.861 min Scan# 11
Delta R.T. 0.153 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

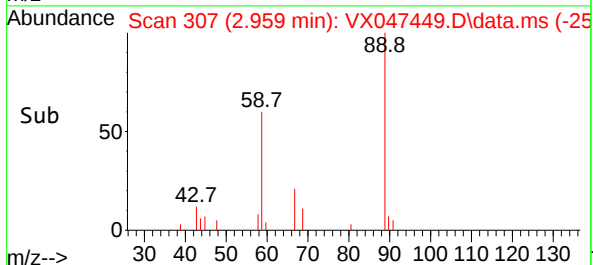
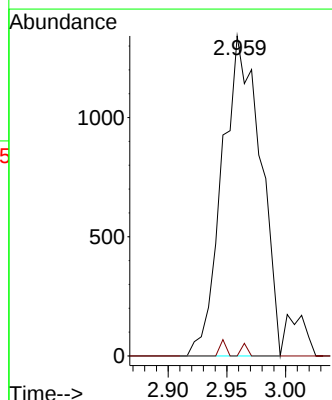
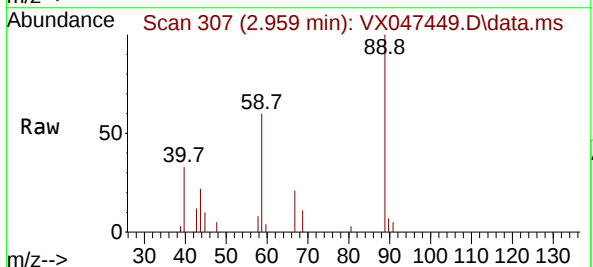
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

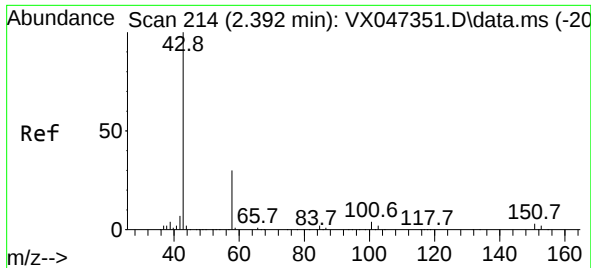
Tgt Ion: 64 Resp: 1237
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#



#11
Tert butyl alcohol
Concen: 12.468 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

Tgt Ion: 59 Resp: 3045
Ion Ratio Lower Upper
59 100
57 0.6 8.3 12.5#

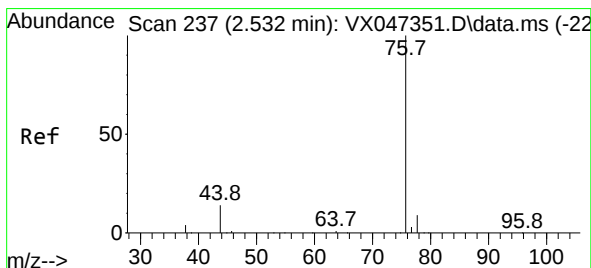
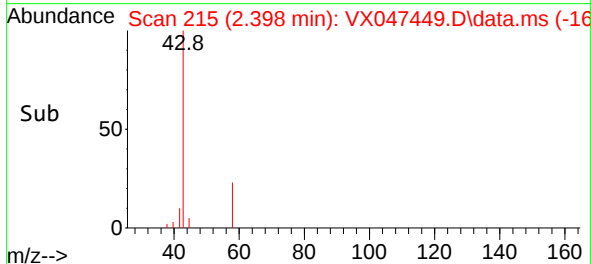
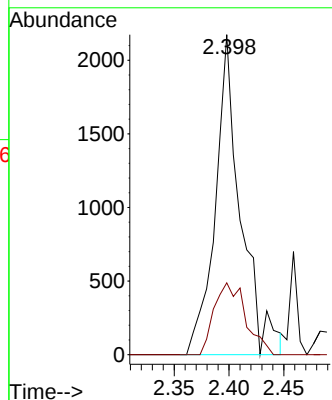
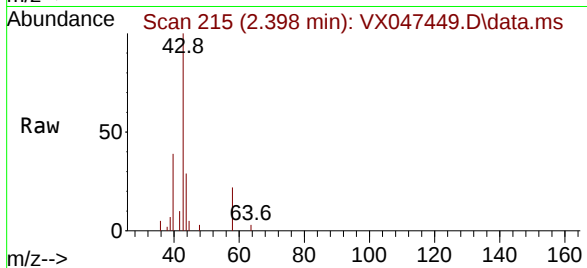




#16
Acetone
Concen: 3.320 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

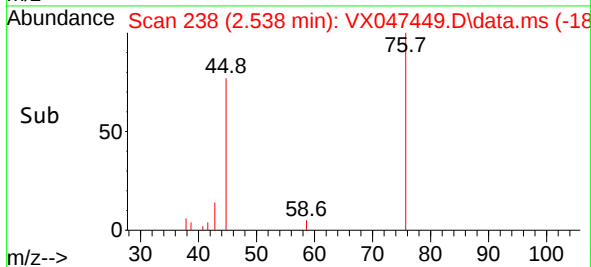
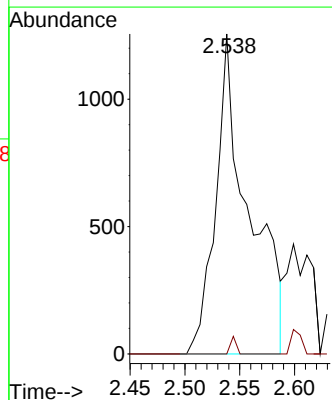
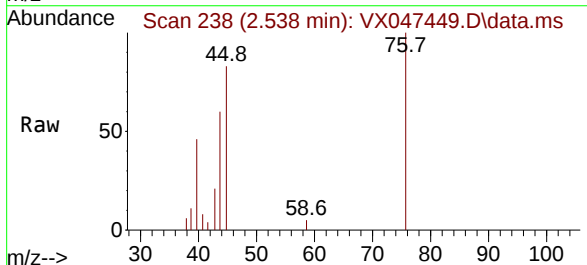
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

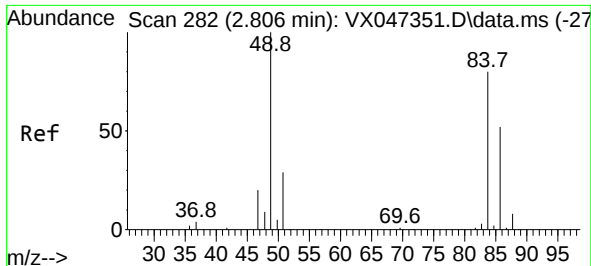
Tgt Ion: 43 Resp: 3503
Ion Ratio Lower Upper
43 100
58 17.4 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.344 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

Tgt Ion: 76 Resp: 2621
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



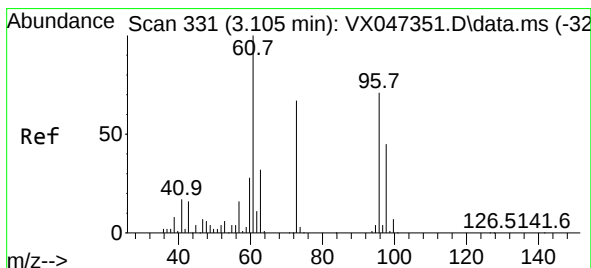
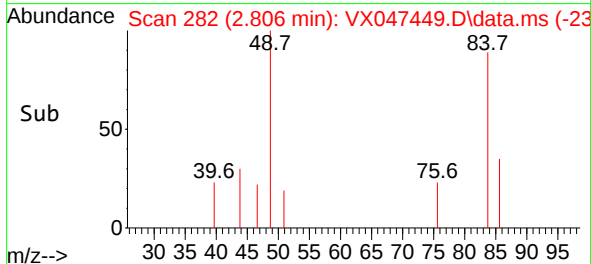
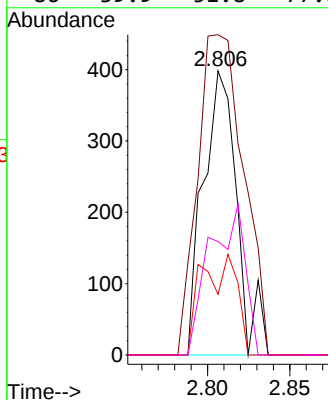
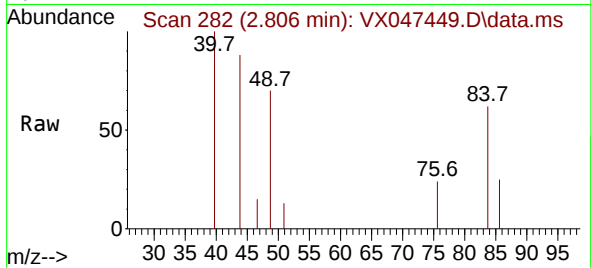


#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
TB-081825

Tgt Ion: 84 Resp: 567

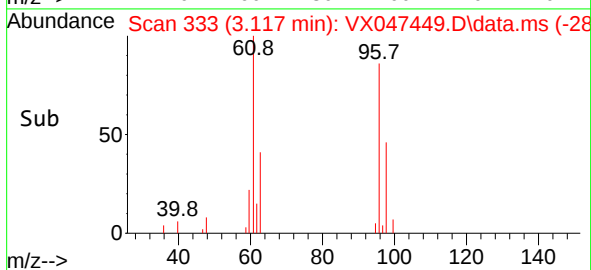
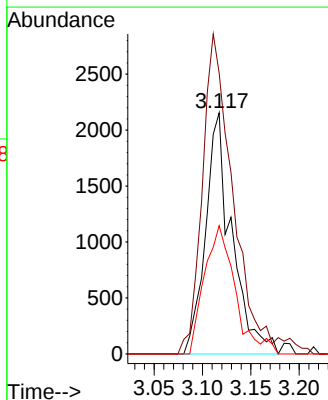
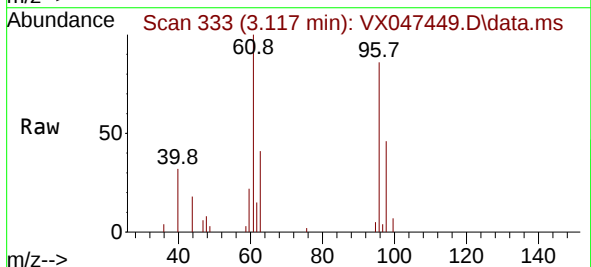
Ion	Ratio	Lower	Upper
84	100		
49	112.8	100.1	150.1
51	21.4	29.5	44.3#
86	39.9	51.8	77.8#

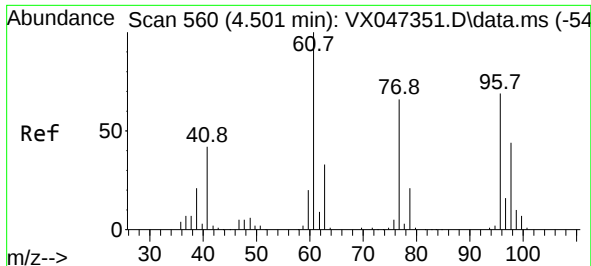


#21
trans-1,2-Dichloroethene
Concen: 1.512 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.012 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

Tgt Ion: 96 Resp: 4052

Ion	Ratio	Lower	Upper
96	100		
61	116.5	112.6	169.0
98	53.2	50.9	76.3





#27

cis-1,2-Dichloroethene

Concen: 0.380 ug/l

RT: 4.513 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX047449.D

Acq: 20 Aug 2025 17:35

Instrument :

MSVOA_X

ClientSampleId :

TB-081825

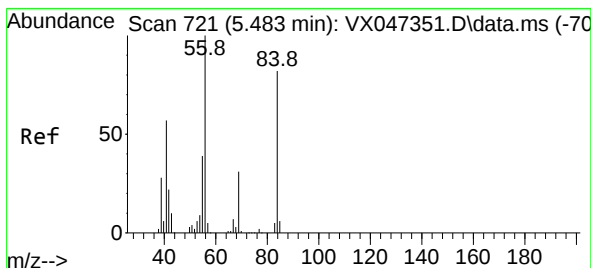
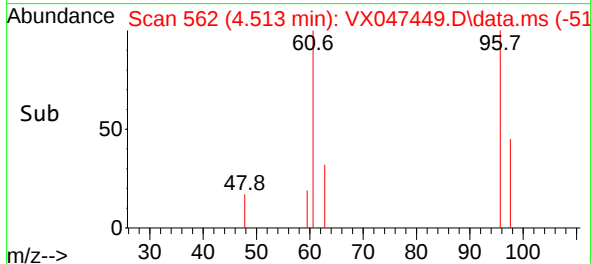
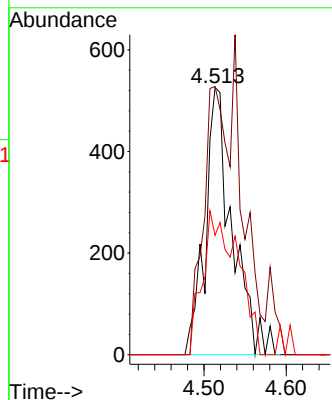
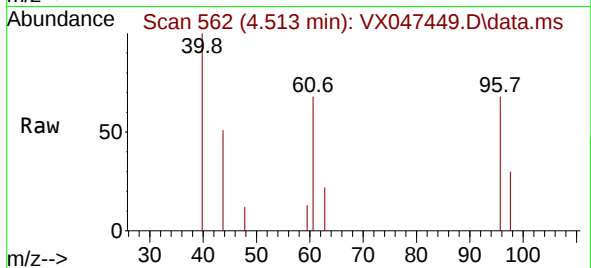
Tgt Ion: 96 Resp: 1187

Ion Ratio Lower Upper

96 100

61 91.2 0.0 296.6

98 70.9 0.0 130.4



#31

Cyclohexane

Concen: 0.946 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.085 min

Lab File: VX047449.D

Acq: 20 Aug 2025 17:35

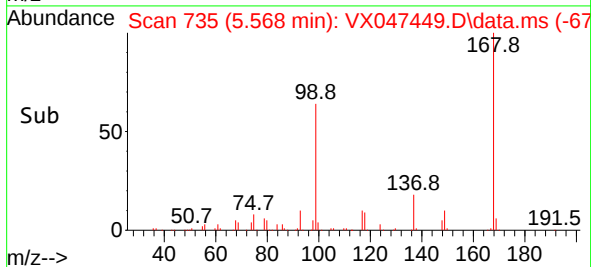
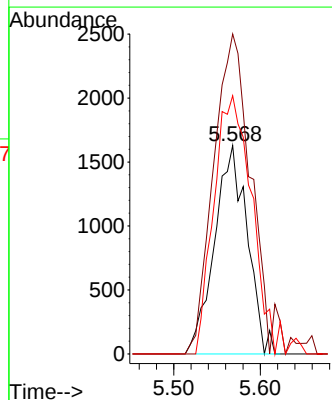
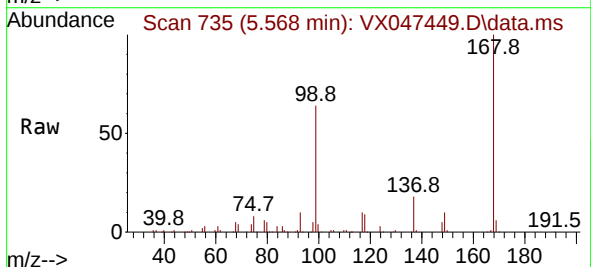
Tgt Ion: 56 Resp: 4272

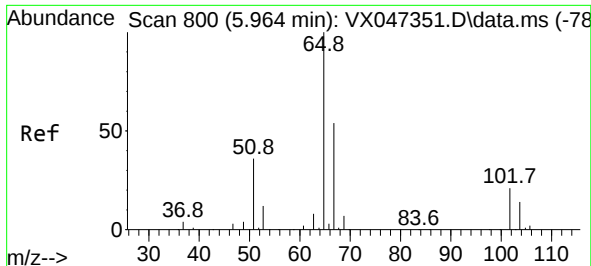
Ion Ratio Lower Upper

56 100

69 153.5 24.3 36.5#

84 123.9 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 61.887 ug/l

RT: 5.970 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX047449.D

Acq: 20 Aug 2025 17:35

Instrument :

MSVOA_X

ClientSampleId :

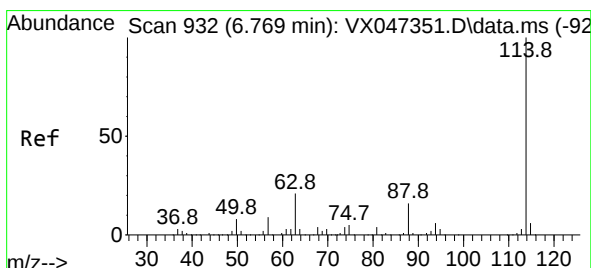
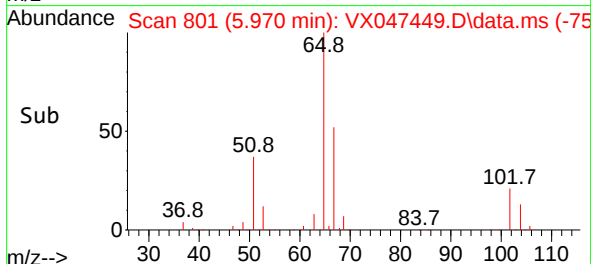
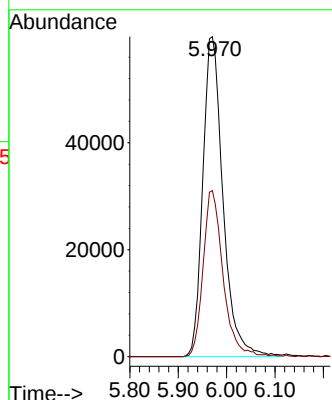
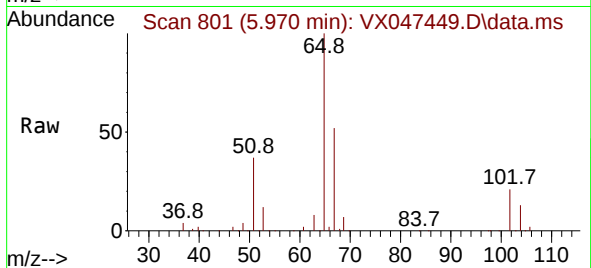
TB-081825

Tgt Ion: 65 Resp: 173744

Ion Ratio Lower Upper

65 100

67 51.3 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: VX047449.D

Acq: 20 Aug 2025 17:35

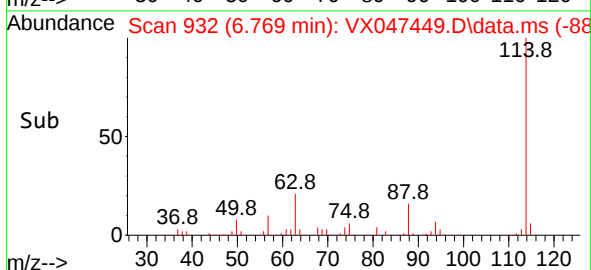
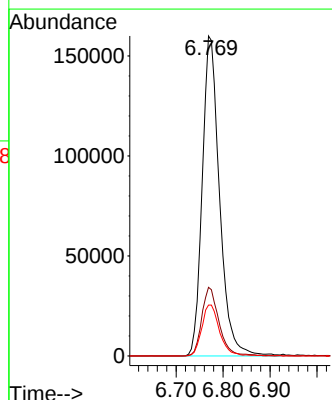
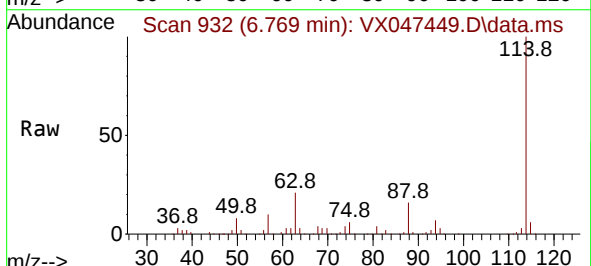
Tgt Ion: 114 Resp: 408818

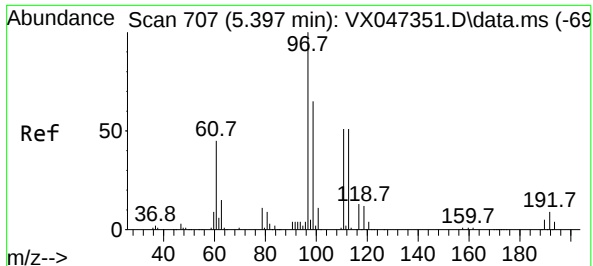
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 15.9 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.254 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047449.D

Acq: 20 Aug 2025 17:35

Instrument :

MSVOA_X

ClientSampleId :

TB-081825

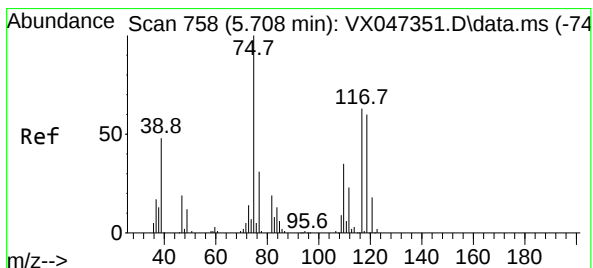
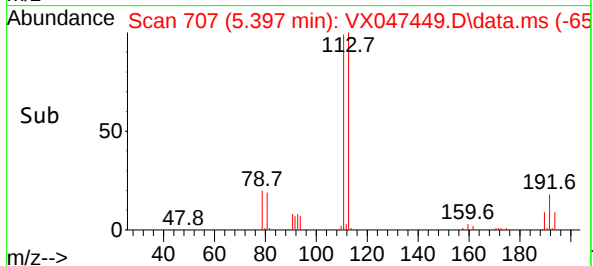
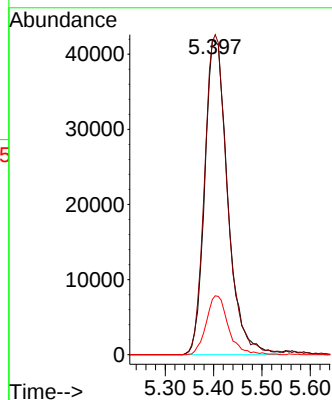
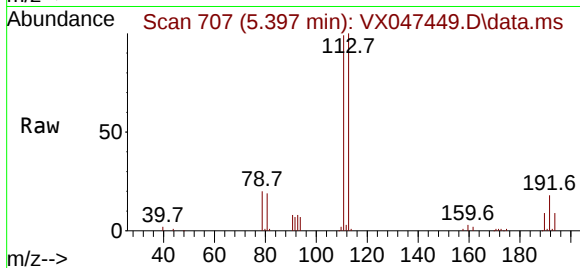
Tgt Ion:113 Resp: 138643

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.2

192 18.0 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.909 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.140 min

Lab File: VX047449.D

Acq: 20 Aug 2025 17:35

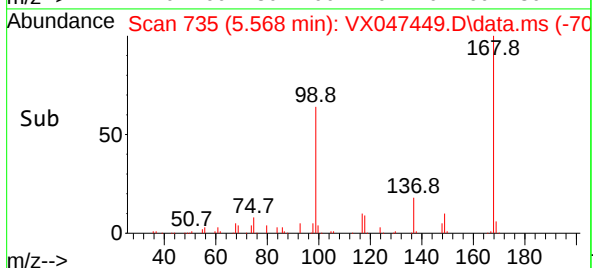
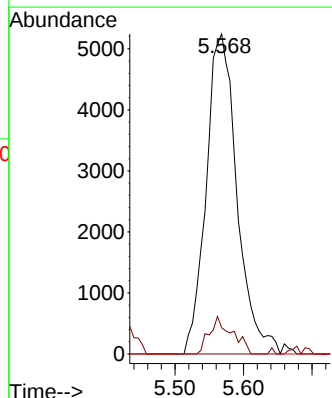
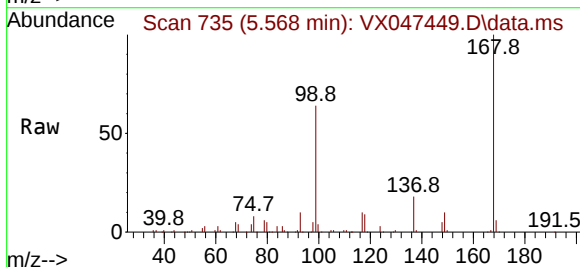
Tgt Ion: 75 Resp: 16374

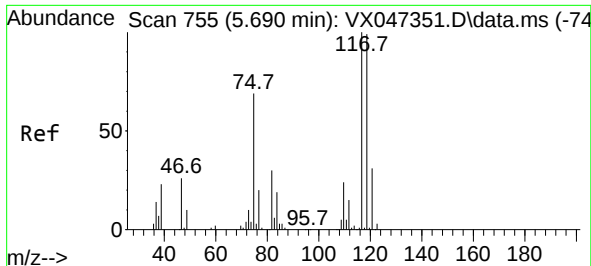
Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.2#

77 0.0 24.4 36.6#

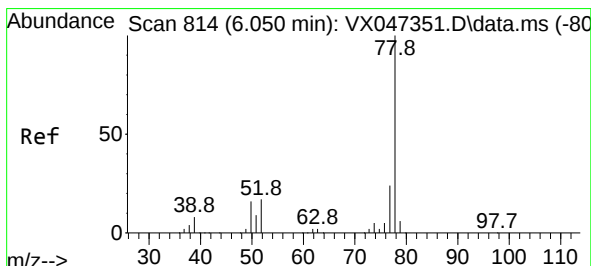
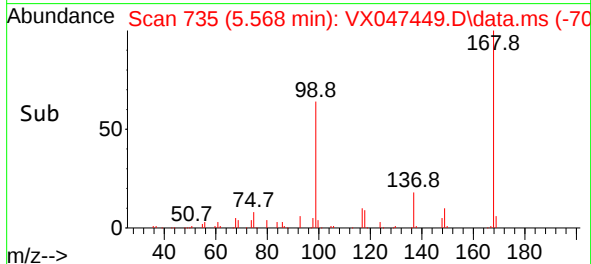
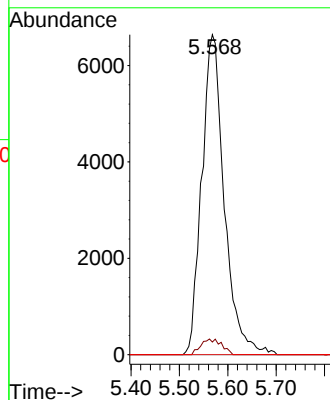
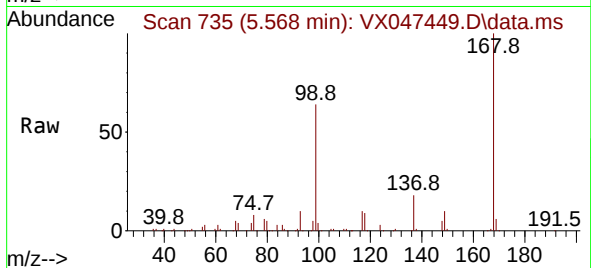




#38
Carbon Tetrachloride
Concen: 4.688 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

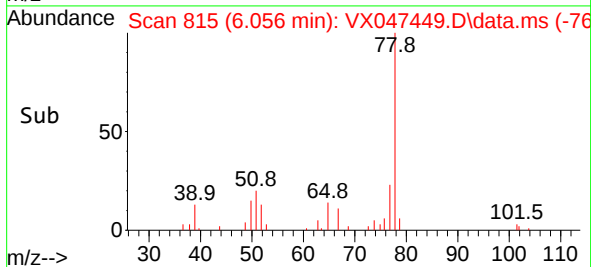
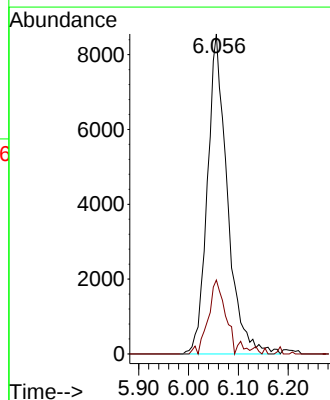
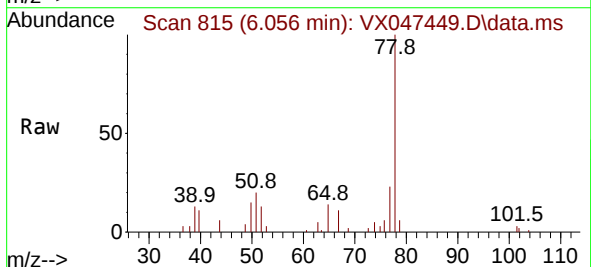
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

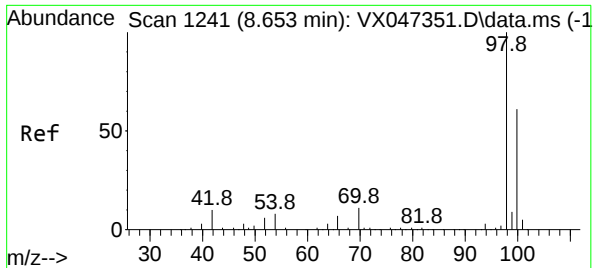
Tgt Ion:117 Resp: 21456
Ion Ratio Lower Upper
117 100
119 4.0 78.5 117.7#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 1.898 ug/l
RT: 6.056 min Scan# 815
Delta R.T. 0.006 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

Tgt Ion: 78 Resp: 23794
Ion Ratio Lower Upper
78 100
77 21.8 19.0 28.4

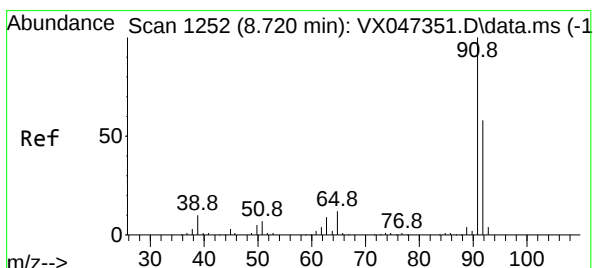
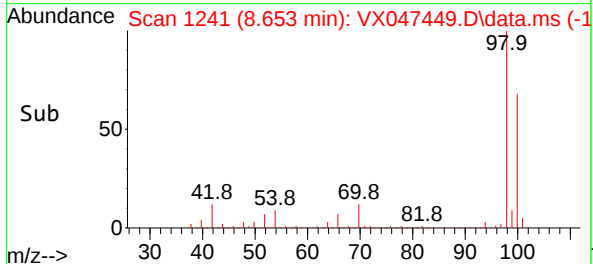
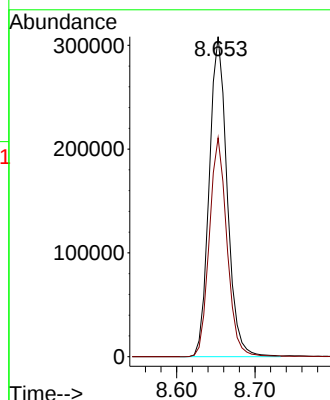
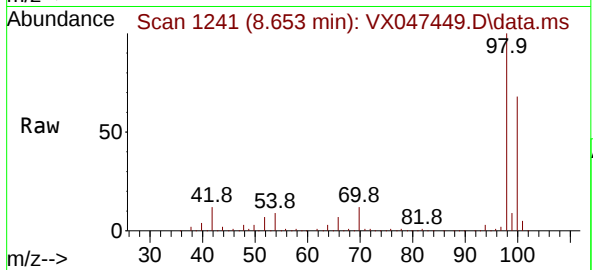




#50
Toluene-d8
Concen: 51.631 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

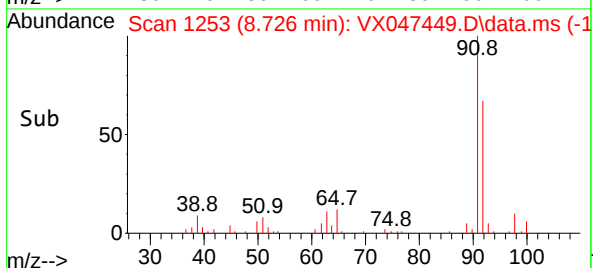
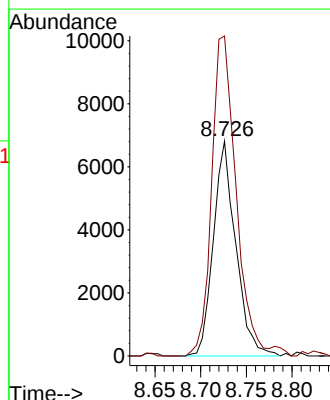
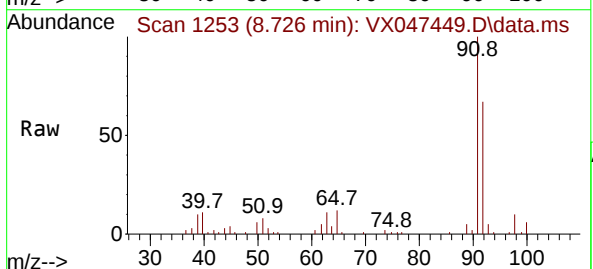
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

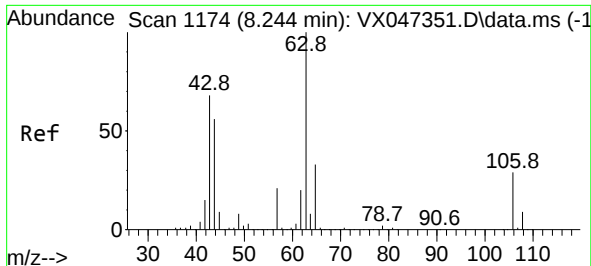
Tgt Ion: 98 Resp: 489640
Ion Ratio Lower Upper
98 100
100 67.2 53.9 80.9



#52
Toluene
Concen: 1.502 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

Tgt Ion: 92 Resp: 11635
Ion Ratio Lower Upper
92 100
91 161.2 136.3 204.5

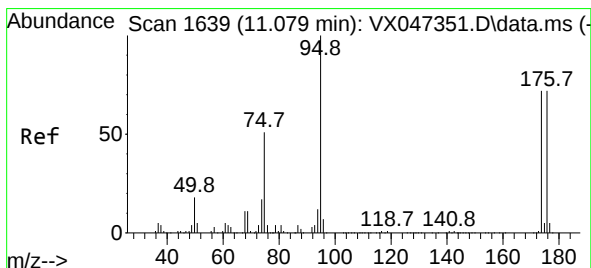
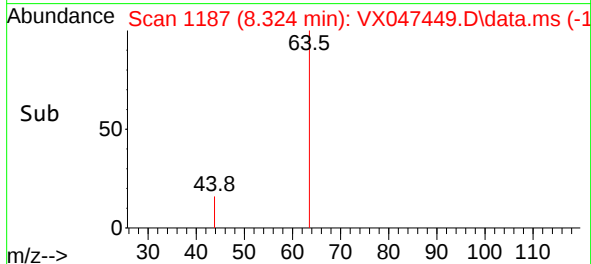
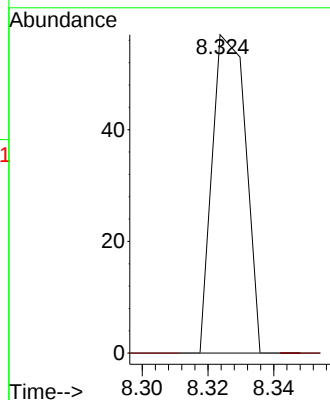
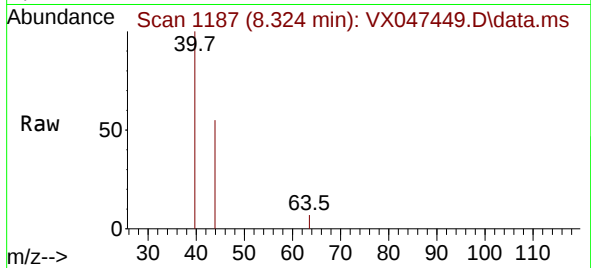




#58
2-Chloroethyl Vinyl ether
Concen: 8.374 ug/l
RT: 8.324 min Scan# 1174
Delta R.T. 0.079 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

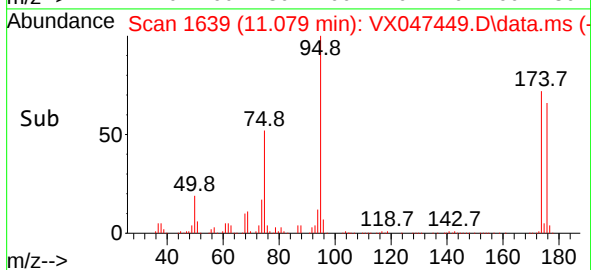
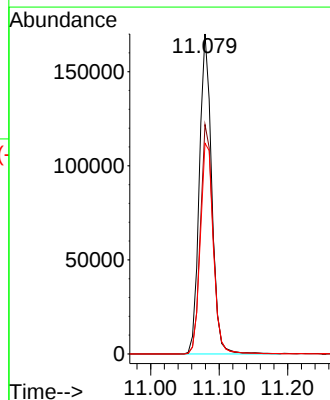
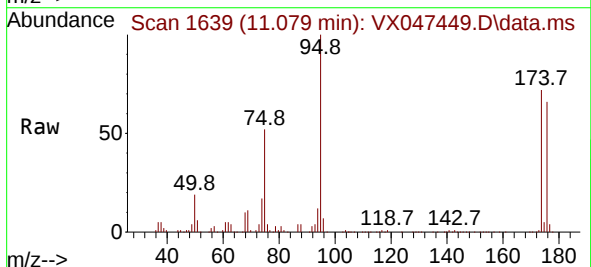
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

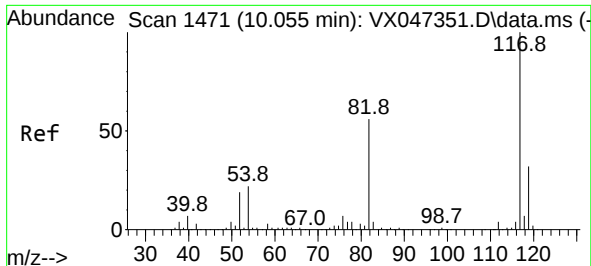
Tgt Ion: 63 Resp: 40
Ion Ratio Lower Upper
63 100
106 0.0 22.8 34.2#



#62
4-Bromofluorobenzene
Concen: 61.033 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

Tgt Ion: 95 Resp: 213590
Ion Ratio Lower Upper
95 100
174 73.4 0.0 148.0
176 69.6 0.0 145.4

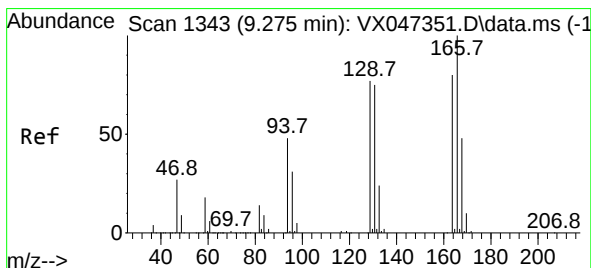
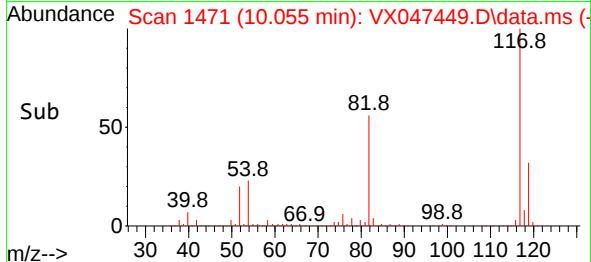
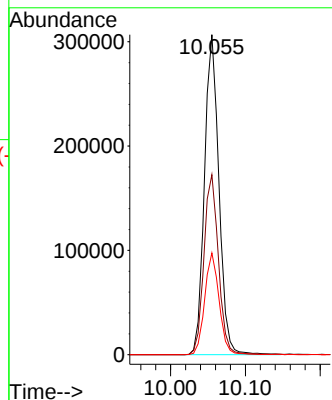
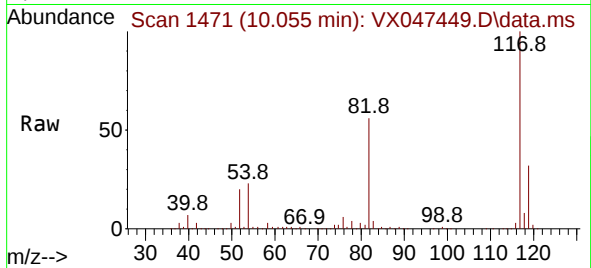




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

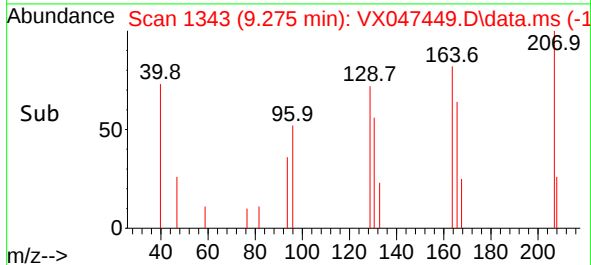
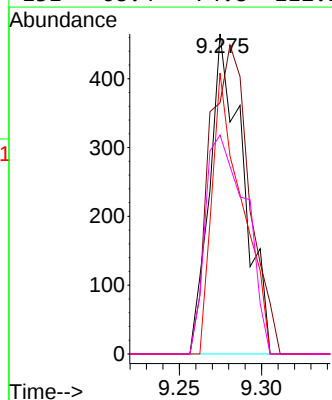
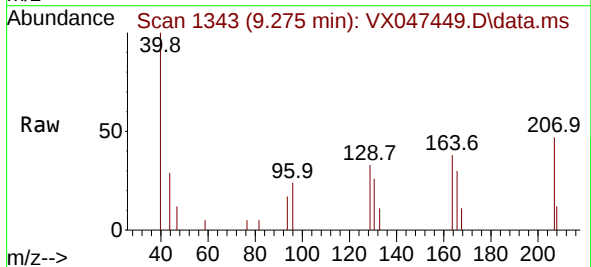
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

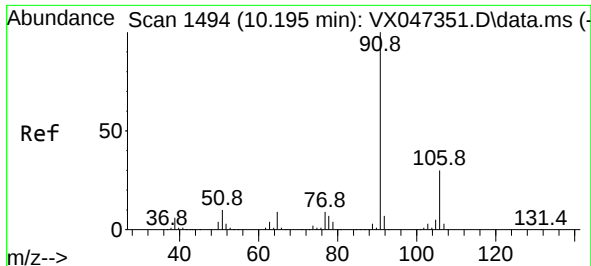
Tgt Ion:117 Resp: 412217
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.4
119 31.8 25.8 38.8



#64
Tetrachloroethene
Concen: 0.220 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

Tgt Ion:164 Resp: 655
Ion Ratio Lower Upper
164 100
166 78.5 100.3 150.5#
129 87.7 77.7 116.5
131 68.4 74.8 112.2#





#67

Ethyl Benzene

Concen: 1.047 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX047449.D

Acq: 20 Aug 2025 17:35

Instrument :

MSVOA_X

ClientSampleId :

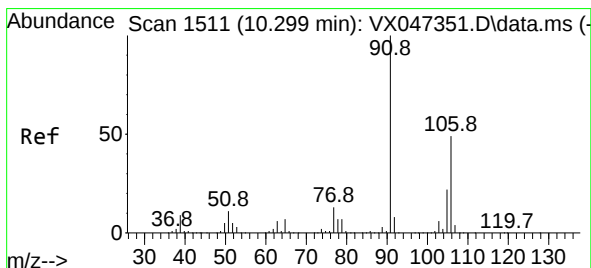
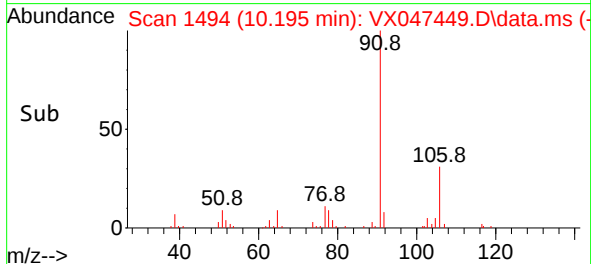
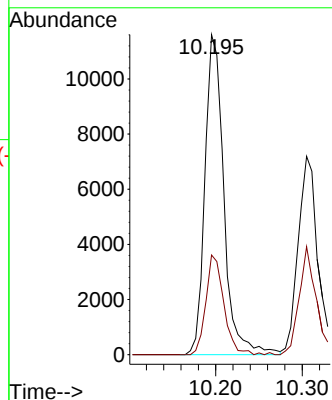
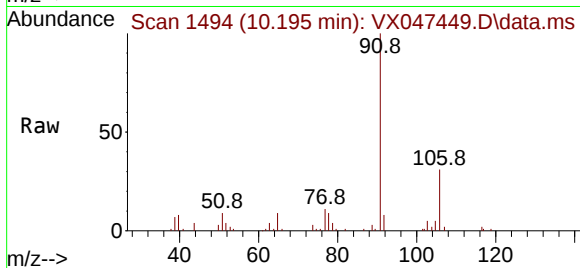
TB-081825

Tgt Ion: 91 Resp: 17646

Ion Ratio Lower Upper

91 100

106 28.9 24.4 36.6



#68

m/p-Xylenes

Concen: 0.869 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX047449.D

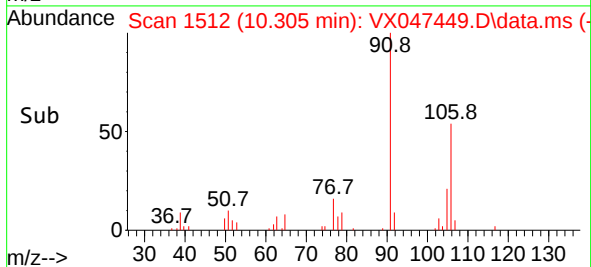
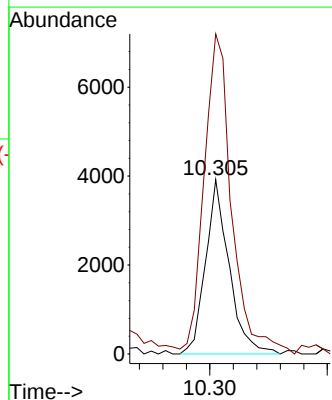
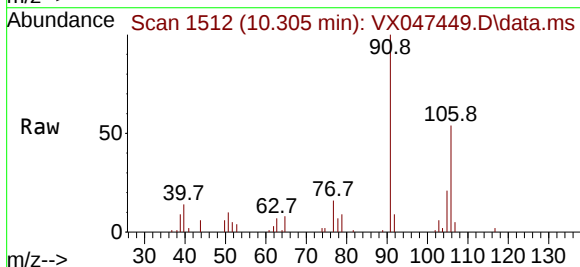
Acq: 20 Aug 2025 17:35

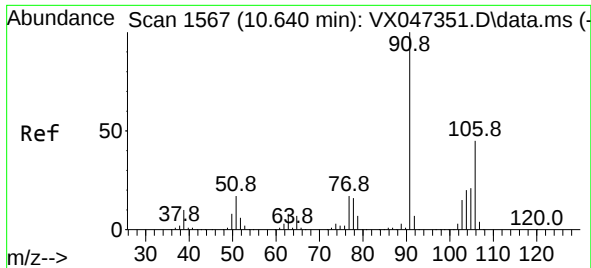
Tgt Ion: 106 Resp: 5463

Ion Ratio Lower Upper

106 100

91 214.5 164.7 247.1

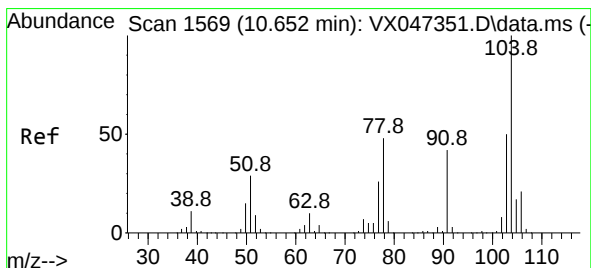
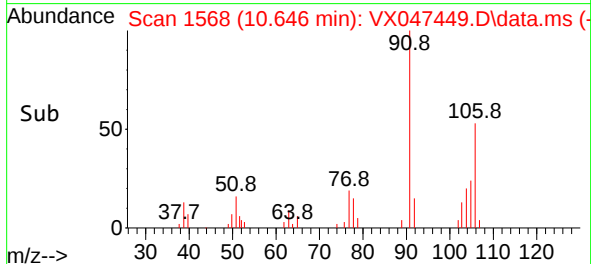
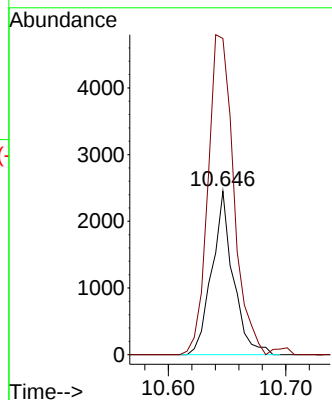
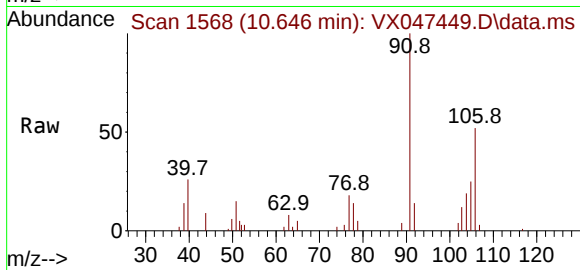




#69
o-Xylene
Concen: 0.510 ug/l
RT: 10.646 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

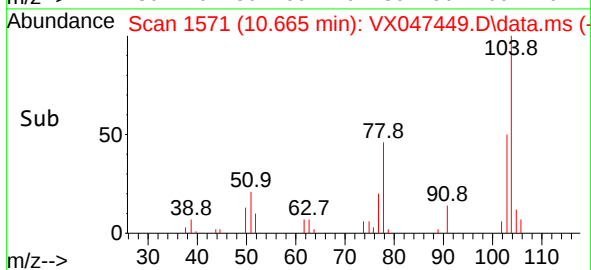
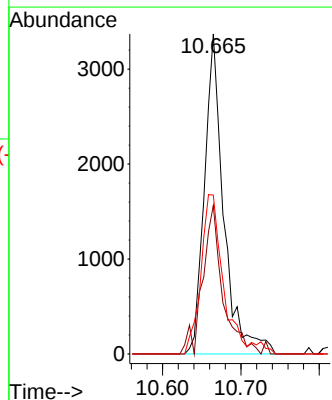
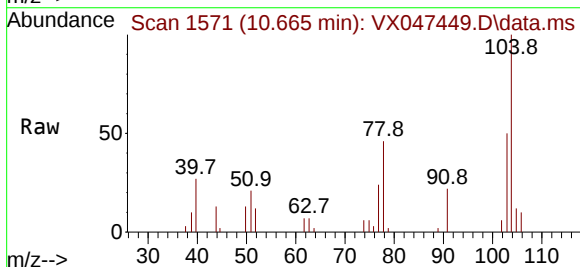
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

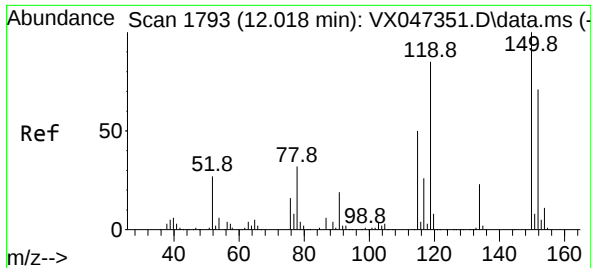
Tgt Ion:106 Resp: 3086
Ion Ratio Lower Upper
106 100
91 236.5 110.6 331.8



#70
Styrene
Concen: 0.563 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

Tgt Ion:104 Resp: 5759
Ion Ratio Lower Upper
104 100
78 48.3 41.8 62.8
103 56.2 43.6 65.4

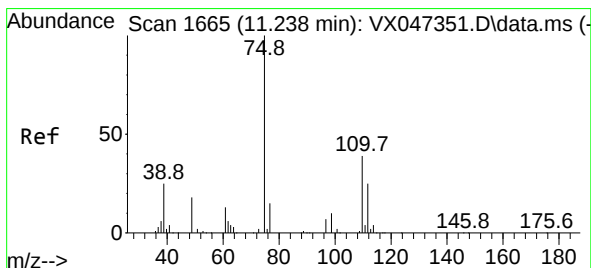
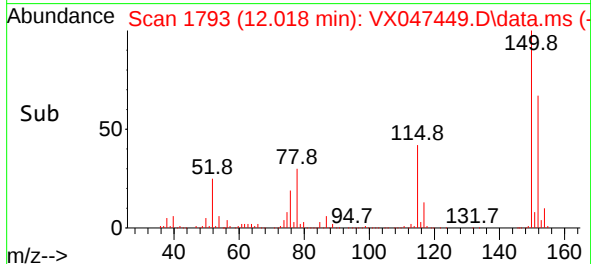
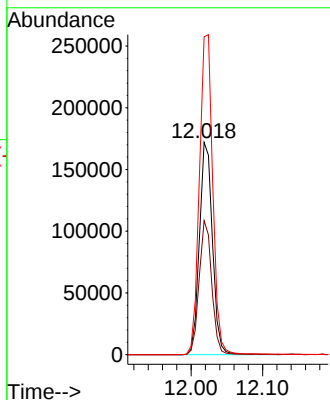
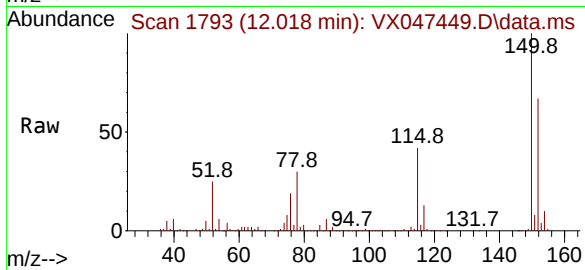




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047449.D
 Acq: 20 Aug 2025 17:35

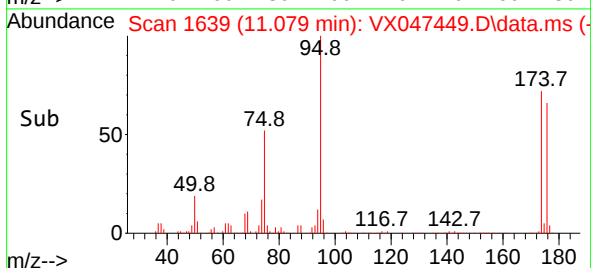
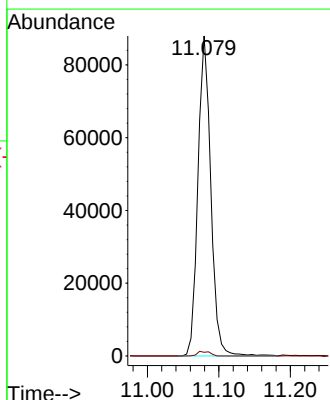
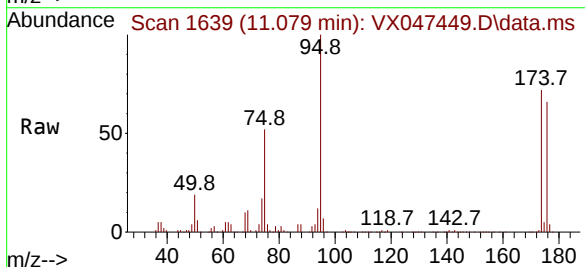
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-081825

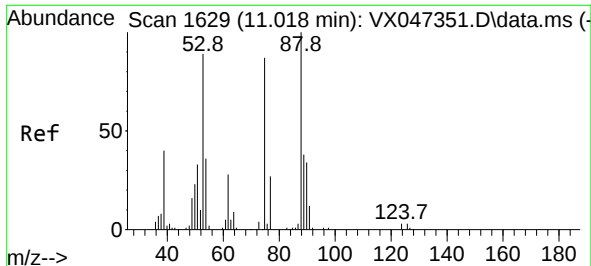
Tgt Ion:152 Resp: 217719
 Ion Ratio Lower Upper
 152 100
 115 61.2 44.6 133.8
 150 154.2 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 27.493 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047449.D
 Acq: 20 Aug 2025 17:35

Tgt Ion: 75 Resp: 109785
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.4 58.2#

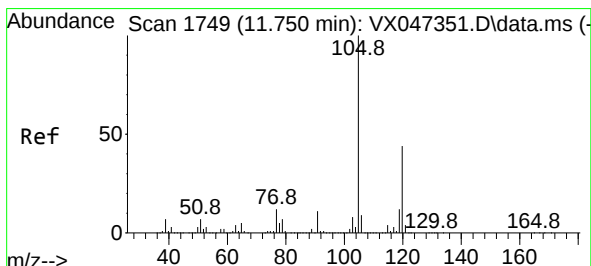
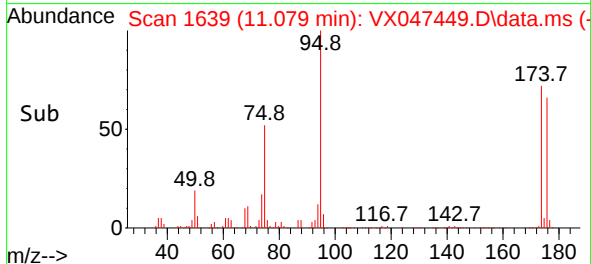
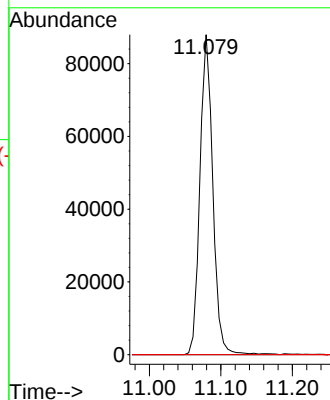
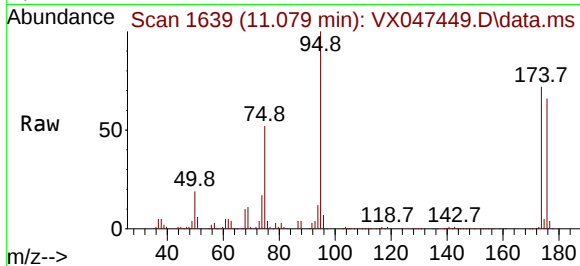




#81
trans-1,4-Dichloro-2-butene
Concen: 108.573 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

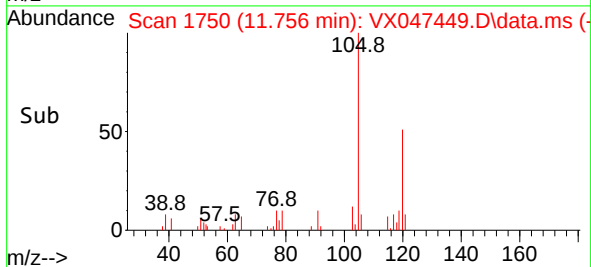
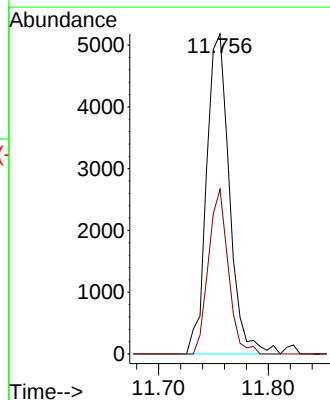
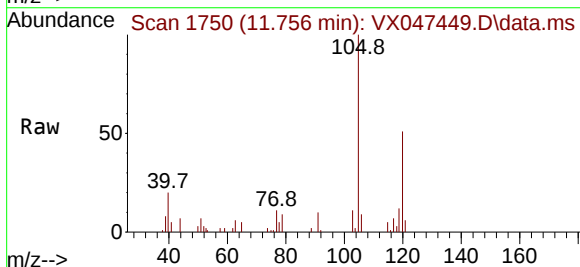
Instrument :
MSVOA_X
ClientSampleId :
TB-081825

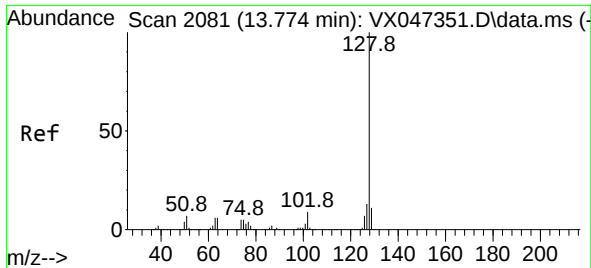
Tgt Ion: 75 Resp: 109785
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.535 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

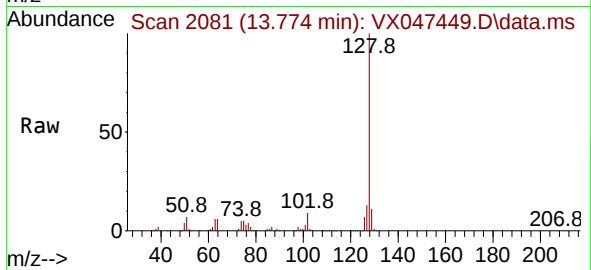
Tgt Ion: 105 Resp: 7493
Ion Ratio Lower Upper
105 100
120 44.7 21.9 65.7





#95
Naphthalene
Concen: 26.501 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047449.D
Acq: 20 Aug 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :
TB-081825



Tgt Ion:128 Resp: 383018
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.0 8.7 13.1

