

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080124\
 Data File : VX042816.D
 Acq On : 02 Aug 2024 01:32
 Operator : JC/MD
 Sample : P3410-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-073024

Quant Time: Aug 02 05:40:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 01 16:40:12 2024
 Response via : Initial Calibration

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

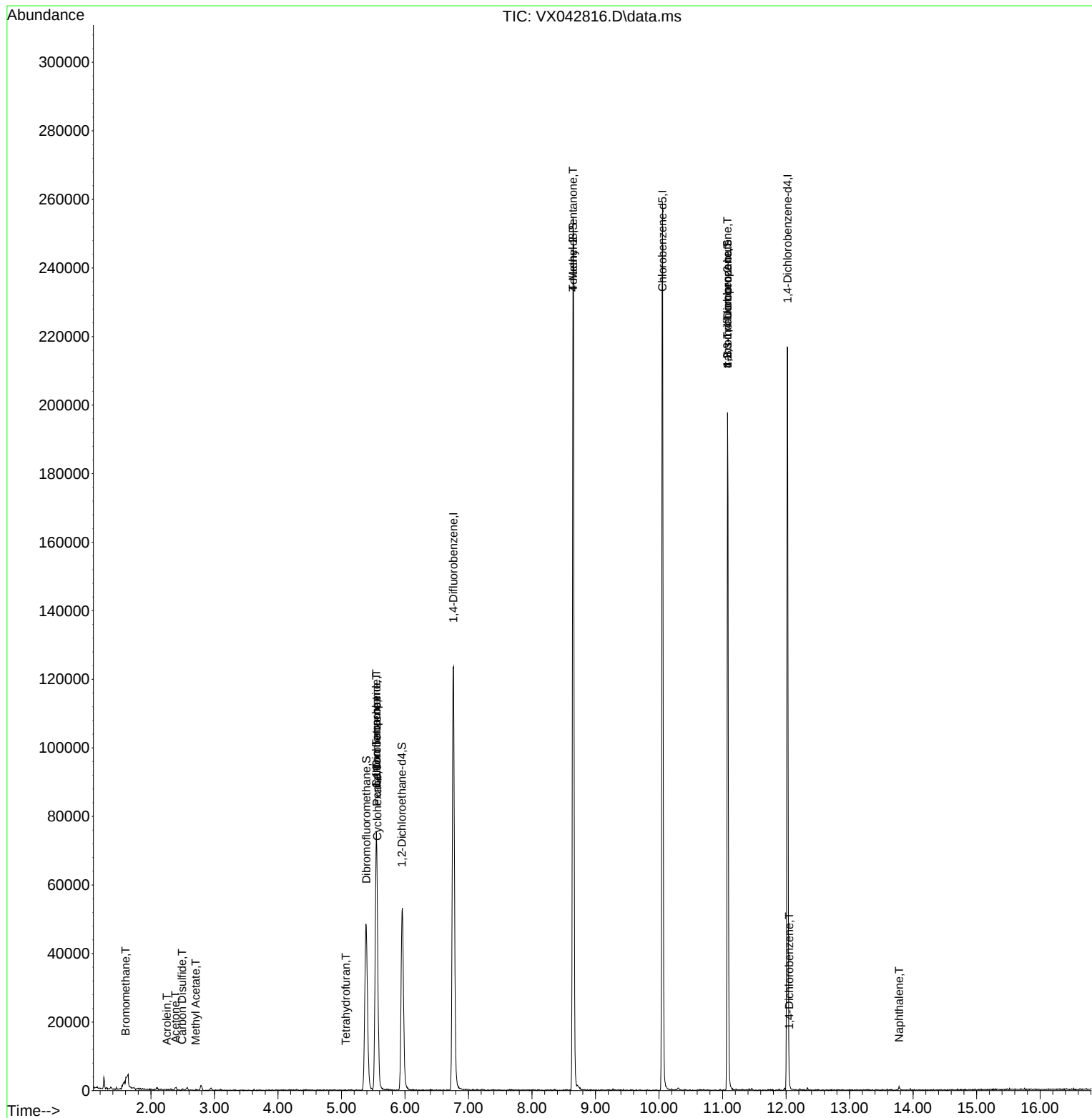
Internal Standards						
1) Pentafluorobenzene	5.556	168	64284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128567	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	117630	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	55030	53.283	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.560%			
35) Dibromofluoromethane	5.391	113	44043	49.589	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.180%			
50) Toluene-d8	8.647	98	152128	47.189	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.380%			
62) 4-Bromofluorobenzene	11.079	95	54629	46.370	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.740%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	332	Below Cal	#	84
5) Bromomethane	1.599	94	210	0.764	ug/l	86
11) Tert butyl alcohol	2.947	59	398	Below Cal	#	78
13) Acrolein	2.252	56	48	0.238	ug/l #	14
16) Acetone	2.386	43	853	2.275	ug/l	97
17) Carbon Disulfide	2.489	76	577	0.327	ug/l #	51
18) Methyl Acetate	2.703	43	238	0.253	ug/l #	53
29) Tetrahydrofuran	5.068	42	86	0.251	ug/l #	34
31) Cyclohexane	5.562	56	1503	1.321	ug/l #	31
36) 1,1-Dichloropropene	5.550	75	5611	4.872	ug/l #	52
38) Carbon Tetrachloride	5.550	117	7371	5.553	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	532	0.437	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	28552	26.393	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	28552	78.116	ug/l #	5
88) 1,4-Dichlorobenzene	12.049	146	397	0.236	ug/l #	24
95) Naphthalene	13.780	128	1155	0.319	ug/l #	76

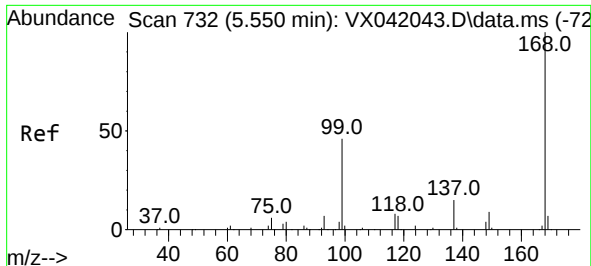
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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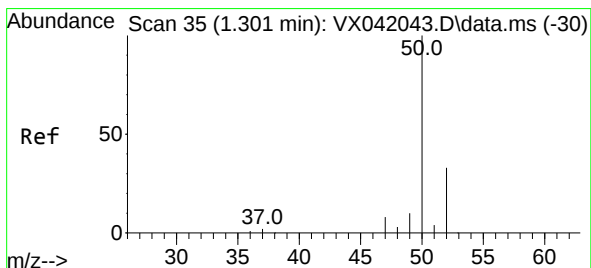
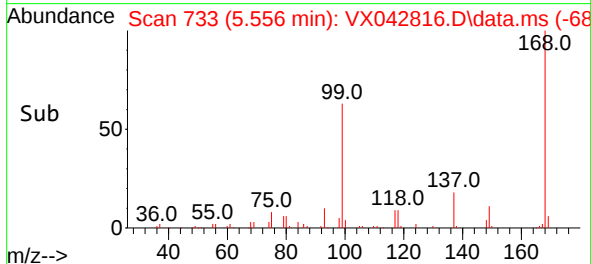
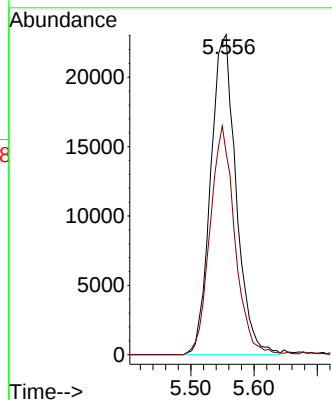
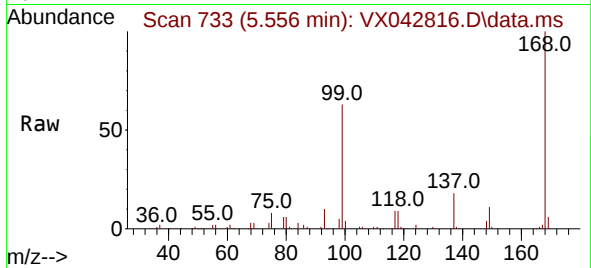




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX042816.D
Acq: 02 Aug 2024 01:32

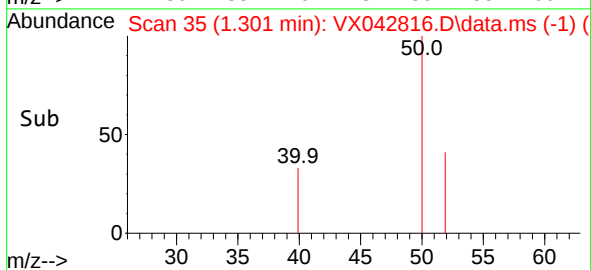
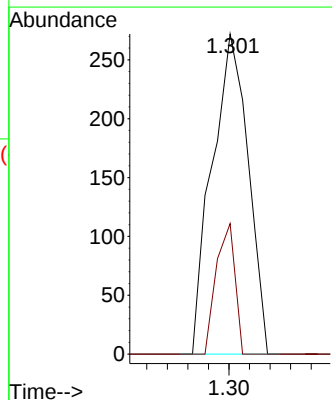
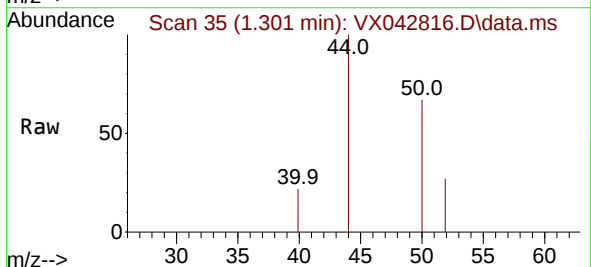
Instrument :
MSVOA_X
ClientSampleId :
TB-01-073024

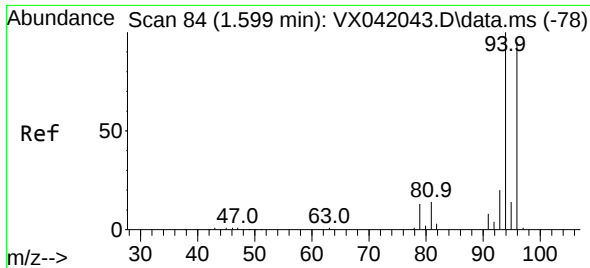
Tgt Ion:168 Resp: 64284
Ion Ratio Lower Upper
168 100
99 63.1 56.6 85.0



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX042816.D
Acq: 02 Aug 2024 01:32

Tgt Ion: 50 Resp: 332
Ion Ratio Lower Upper
50 100
52 40.8 25.5 38.3#

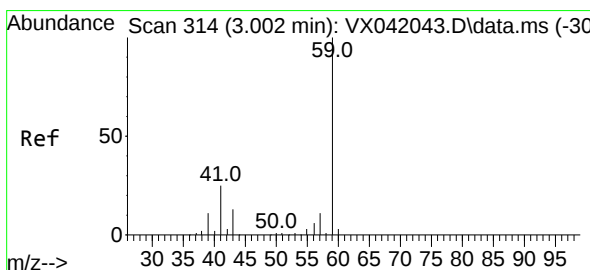
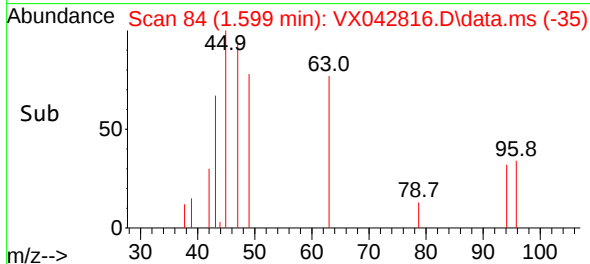
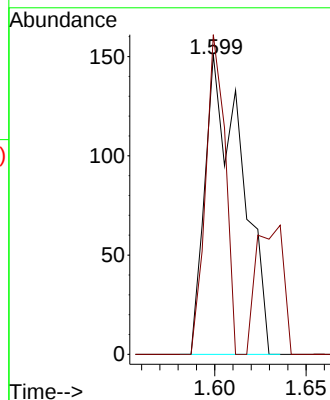
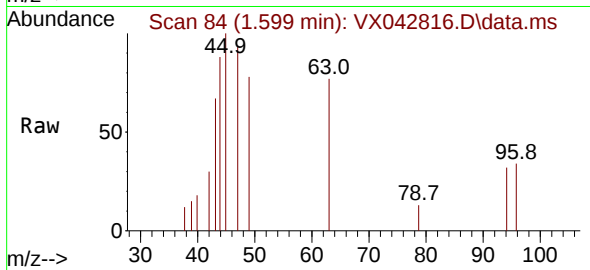




#5
Bromomethane
Concen: 0.764 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042816.D
Acq: 02 Aug 2024 01:32

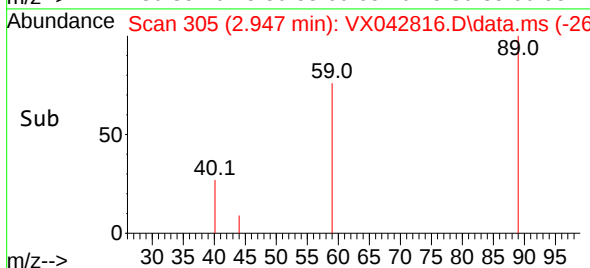
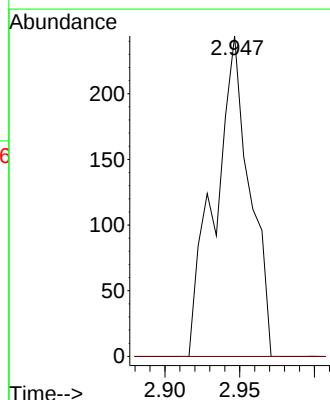
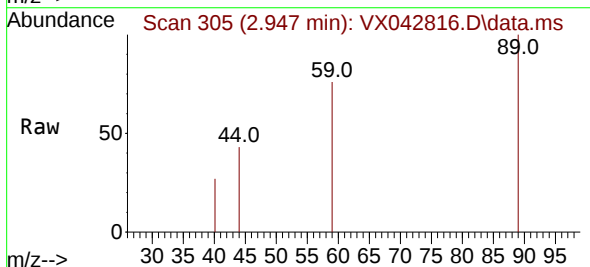
Instrument :
MSVOA_X
ClientSampleId :
TB-01-073024

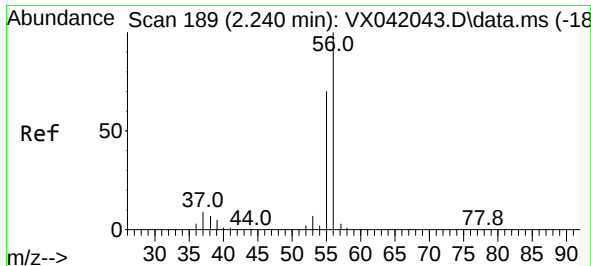
Tgt Ion: 94 Resp: 210
Ion Ratio Lower Upper
94 100
96 106.6 74.6 111.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.060 min
Lab File: VX042816.D
Acq: 02 Aug 2024 01:32

Tgt Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

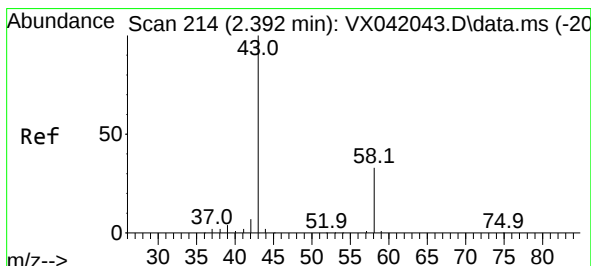
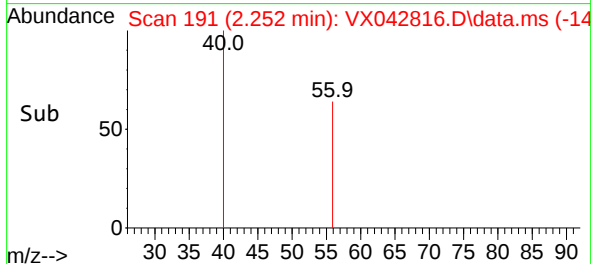
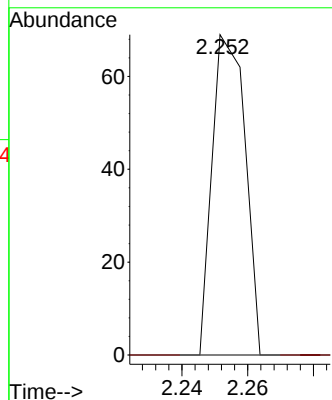
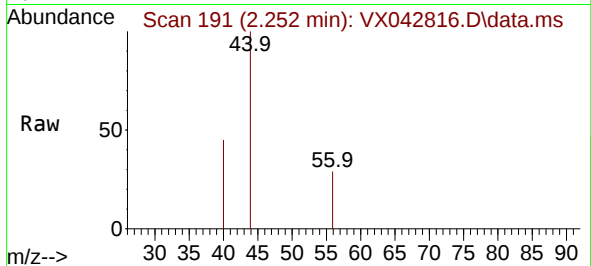




#13
Acrolein
Concen: 0.238 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX042816.D
Acq: 02 Aug 2024 01:32

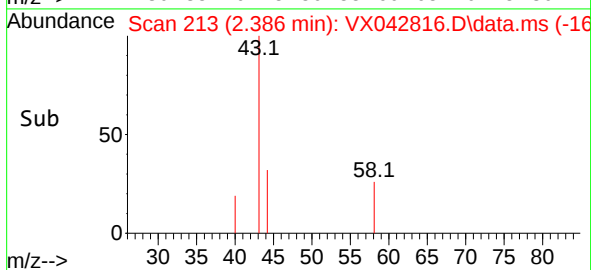
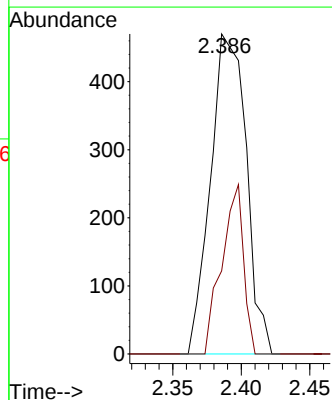
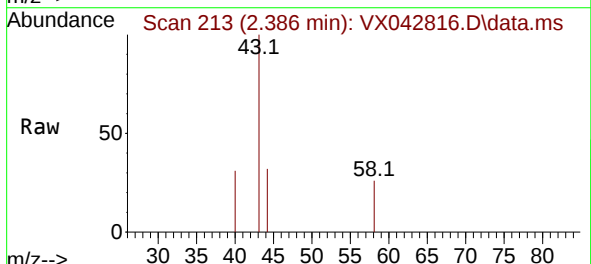
Instrument :
MSVOA_X
ClientSampleId :
TB-01-073024

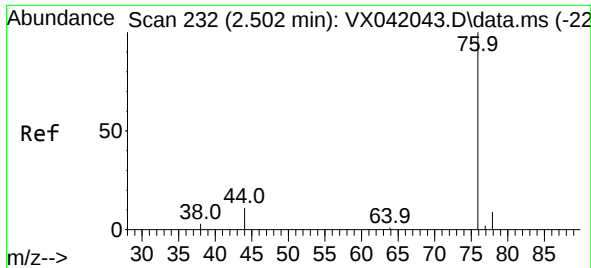
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 2.275 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042816.D
Acq: 02 Aug 2024 01:32

Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
58 26.0 21.9 32.9





#17

Carbon Disulfide

Concen: 0.327 ug/l

RT: 2.489 min Scan# 21

Delta R.T. -0.012 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

Instrument :

MSVOA_X

ClientSampleId :

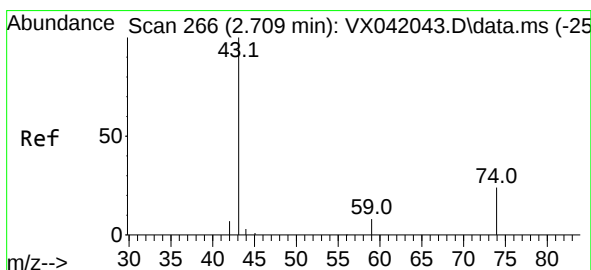
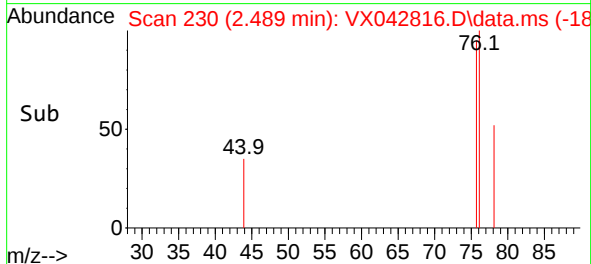
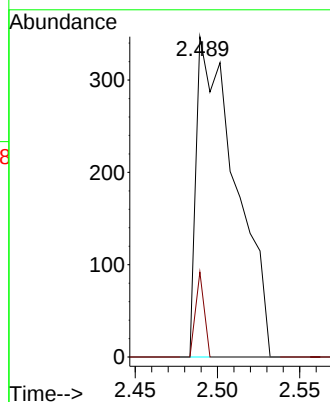
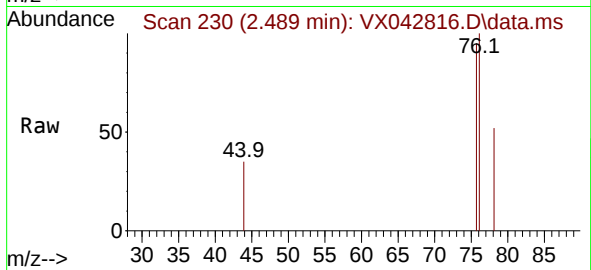
TB-01-073024

Tgt Ion: 76 Resp: 577

Ion Ratio Lower Upper

76 100

78 26.5 7.0 10.6#



#18

Methyl Acetate

Concen: 0.253 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.006 min

Lab File: VX042816.D

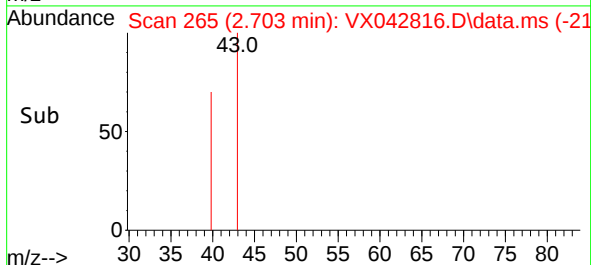
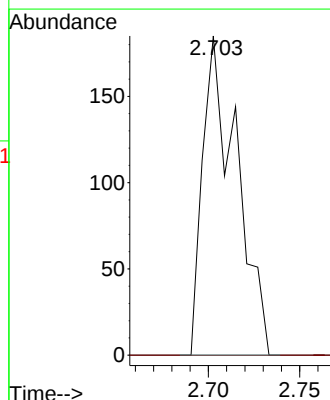
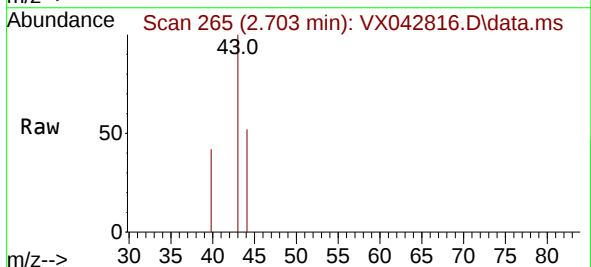
Acq: 02 Aug 2024 01:32

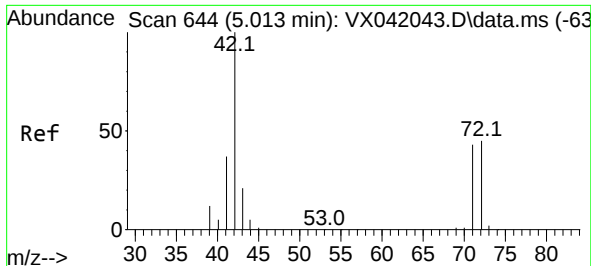
Tgt Ion: 43 Resp: 238

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#





#29

Tetrahydrofuran

Concen: 0.251 ug/l

RT: 5.068 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

Instrument :

MSVOA_X

ClientSampleId :

TB-01-073024

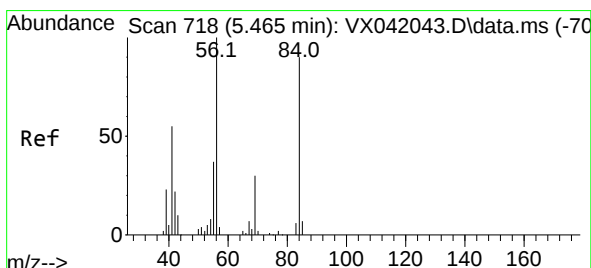
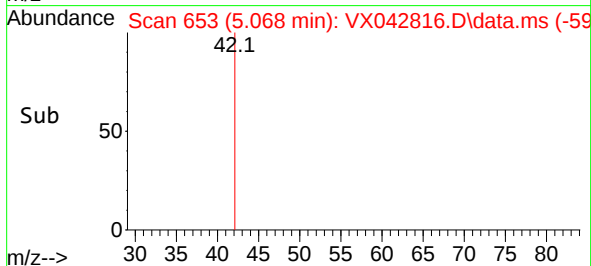
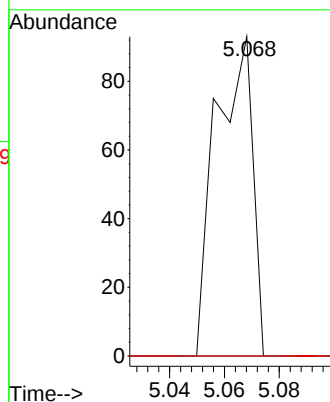
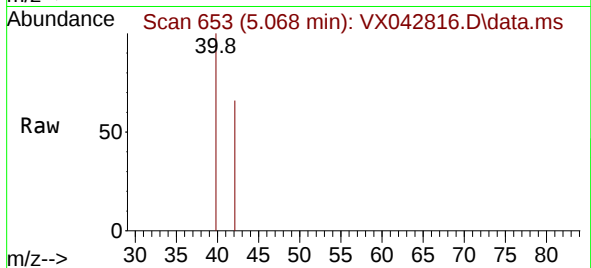
Tgt Ion: 42 Resp: 86

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.321 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.098 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

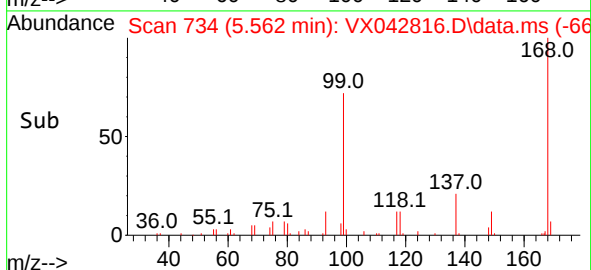
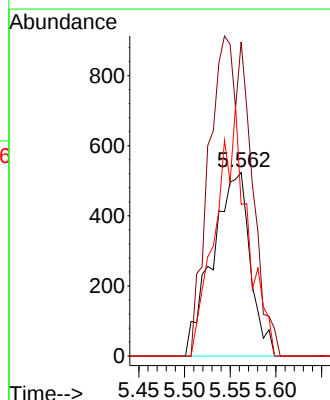
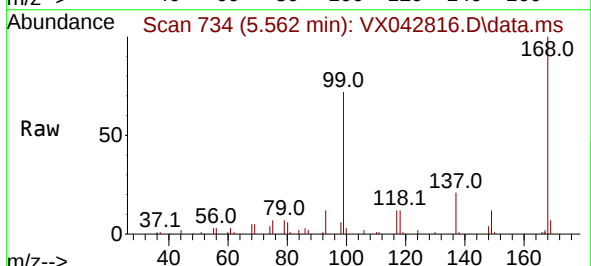
Tgt Ion: 56 Resp: 1503

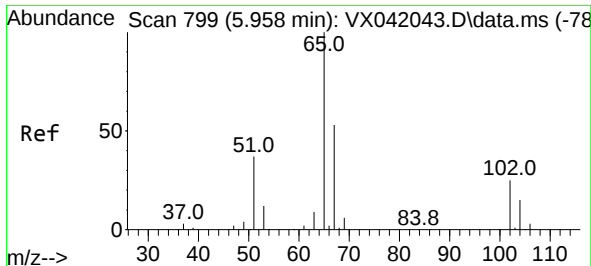
Ion Ratio Lower Upper

56 100

69 171.0 23.4 35.2#

84 82.6 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 53.283 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

Instrument :

MSVOA_X

ClientSampleId :

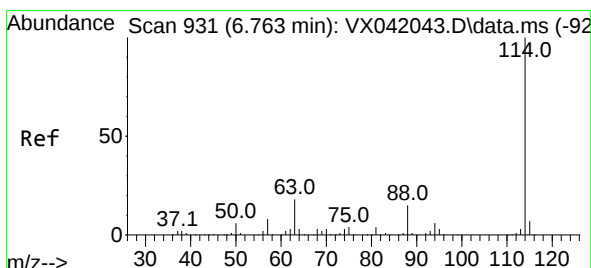
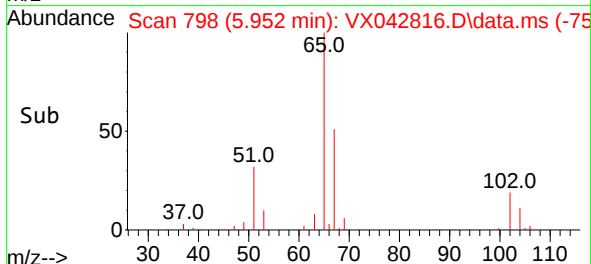
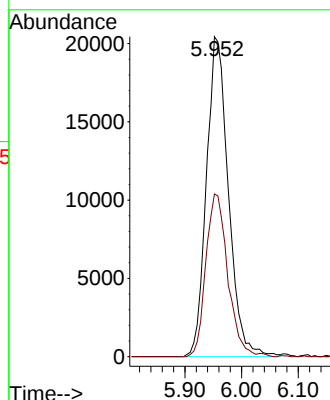
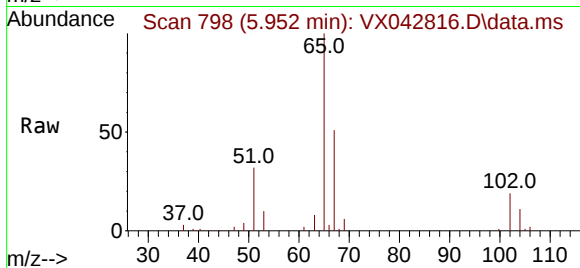
TB-01-073024

Tgt Ion: 65 Resp: 55030

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

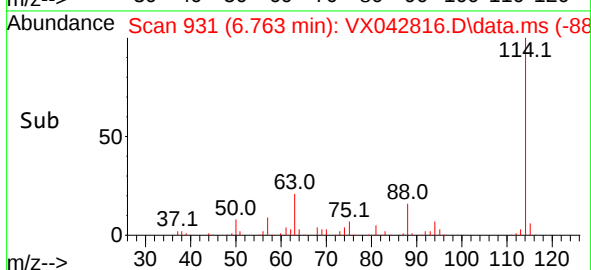
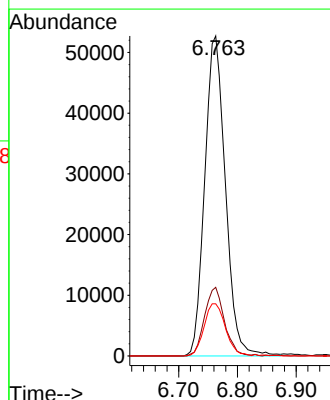
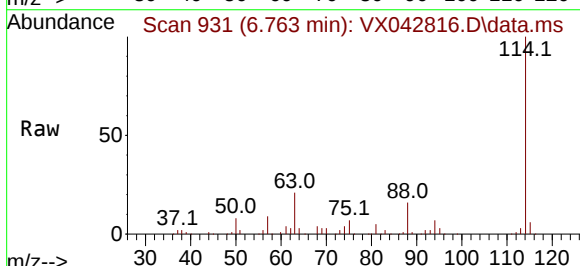
Tgt Ion: 114 Resp: 128567

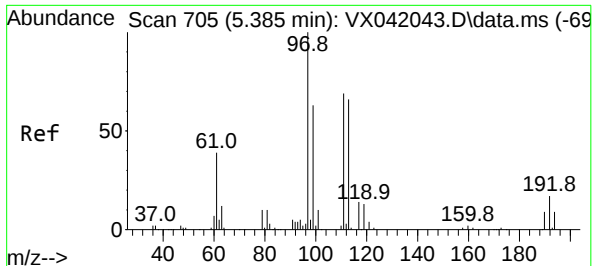
Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.0

88 16.3 0.0 36.6





#35

Dibromofluoromethane

Concen: 49.589 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

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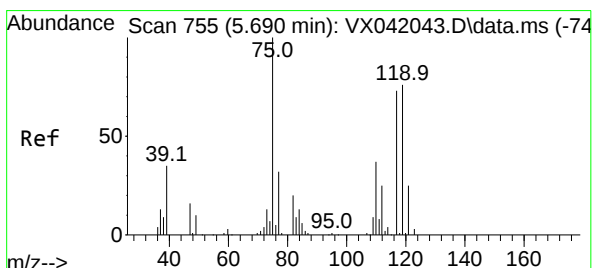
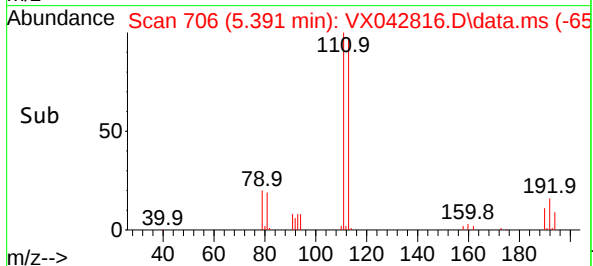
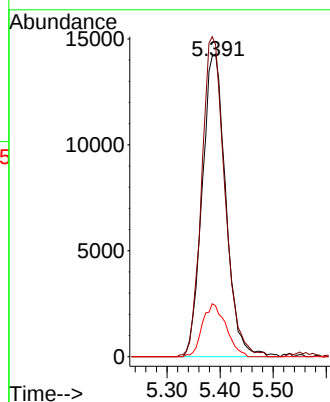
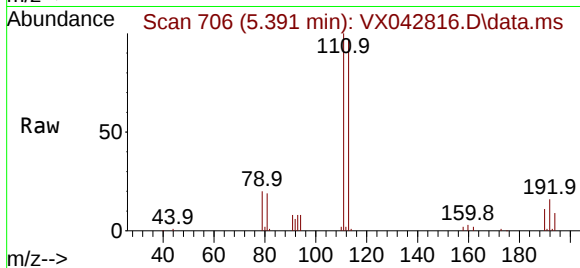
Tgt Ion:113 Resp: 44043

Ion Ratio Lower Upper

113 100

111 103.8 82.9 124.3

192 17.5 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.872 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

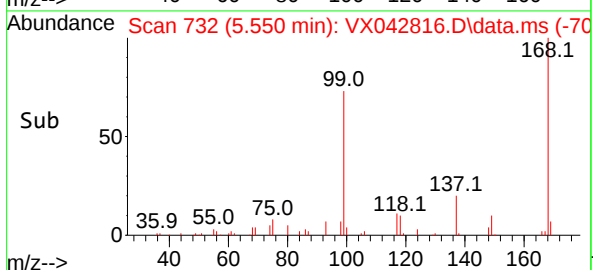
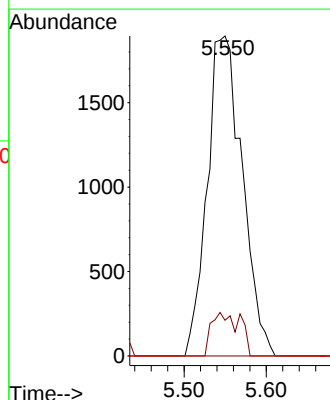
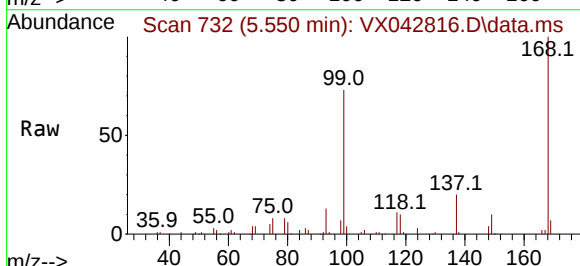
Tgt Ion: 75 Resp: 5611

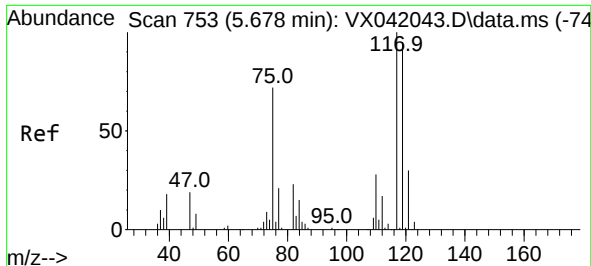
Ion Ratio Lower Upper

75 100

110 11.0 17.0 50.9#

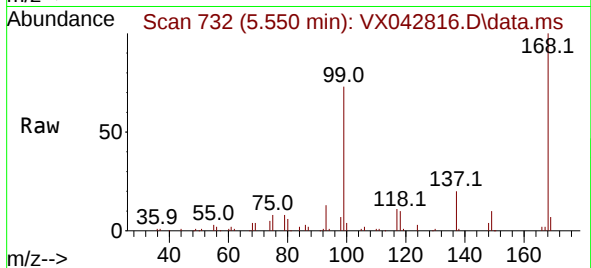
77 0.0 24.7 37.1#



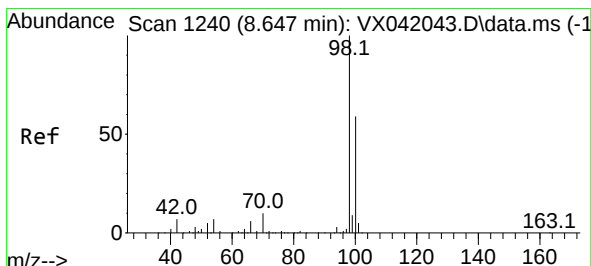
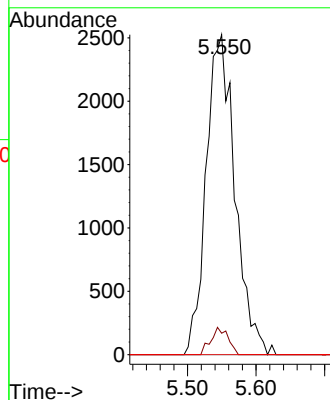
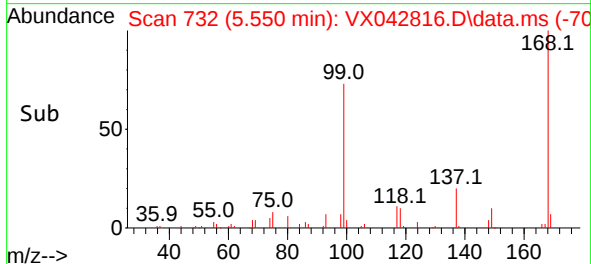


#38
Carbon Tetrachloride
Concen: 5.553 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042816.D
Acq: 02 Aug 2024 01:32

Instrument :
MSVOA_X
ClientSampleId :
TB-01-073024

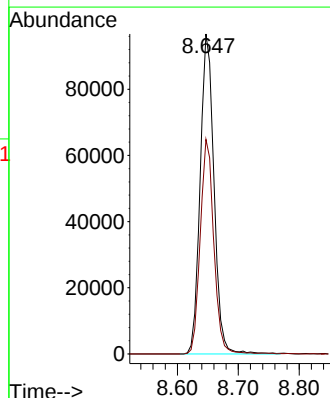
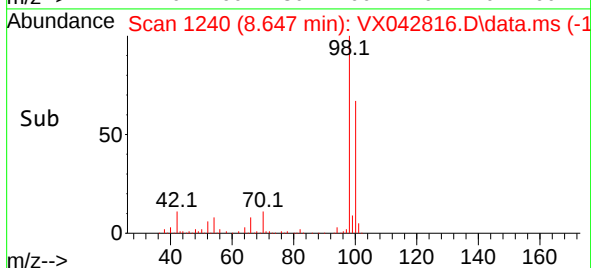
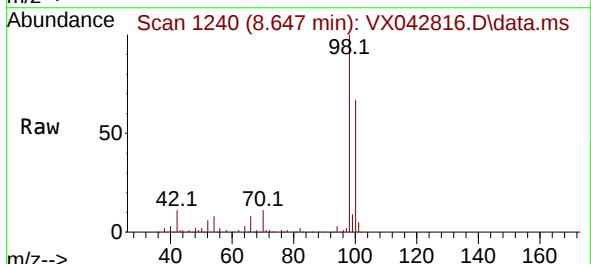


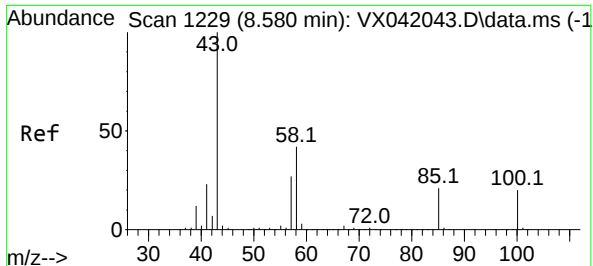
Tgt Ion:117 Resp: 7371
Ion Ratio Lower Upper
117 100
119 6.7 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 47.189 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042816.D
Acq: 02 Aug 2024 01:32

Tgt Ion: 98 Resp: 152128
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.437 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

Instrument :

MSVOA_X

ClientSampleId :

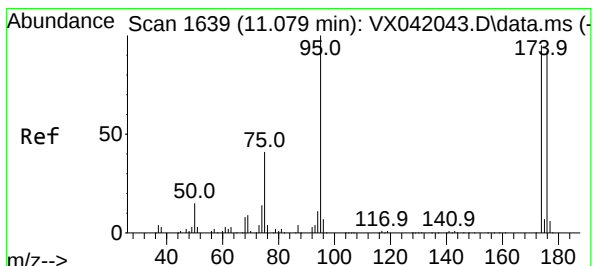
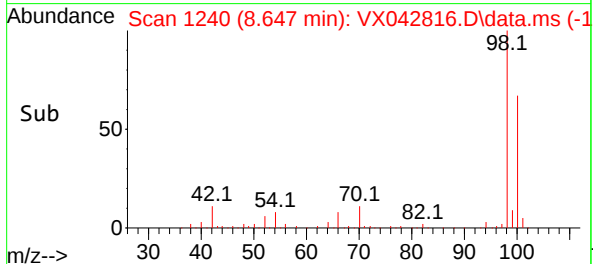
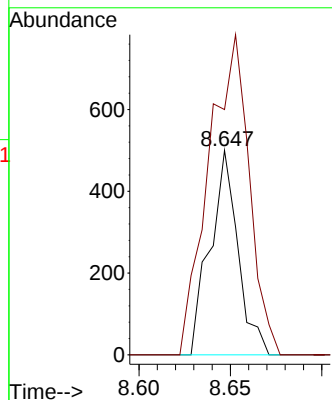
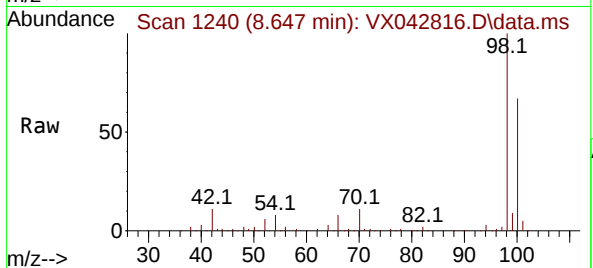
TB-01-073024

Tgt Ion: 43 Resp: 532

Ion Ratio Lower Upper

43 100

58 225.8 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 46.370 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

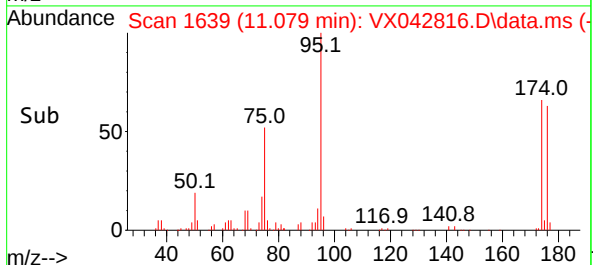
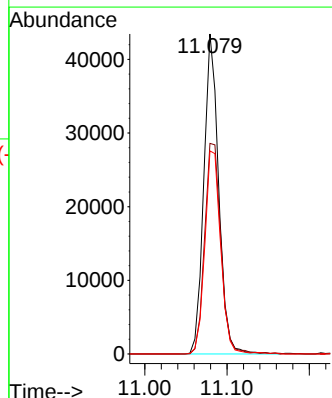
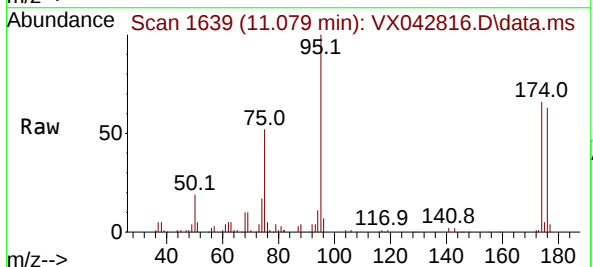
Tgt Ion: 95 Resp: 54629

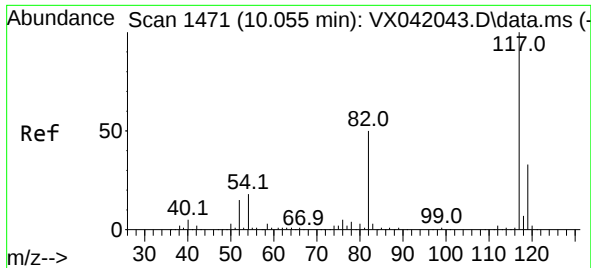
Ion Ratio Lower Upper

95 100

174 72.4 0.0 135.6

176 68.0 0.0 131.0

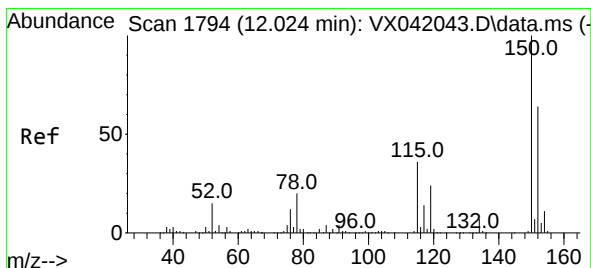
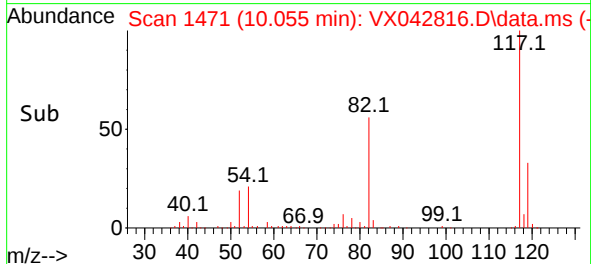
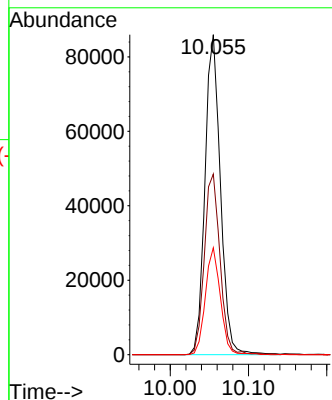
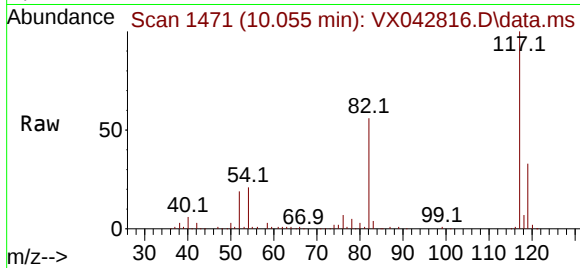




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042816.D
Acq: 02 Aug 2024 01:32

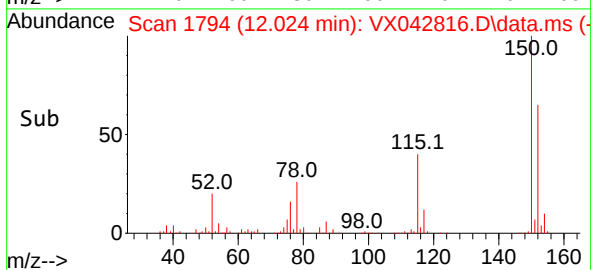
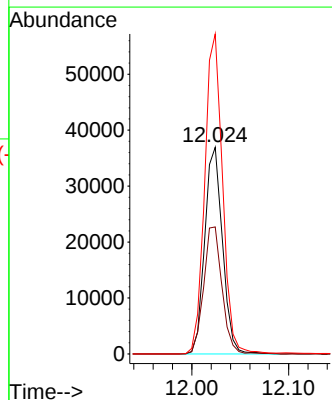
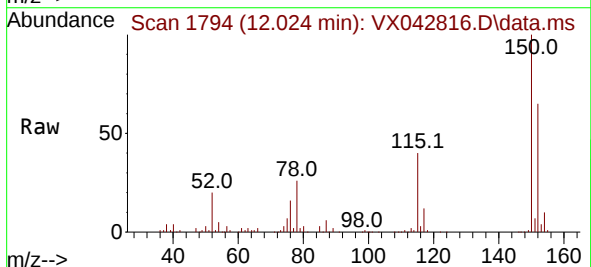
Instrument :
MSVOA_X
ClientSampleId :
TB-01-073024

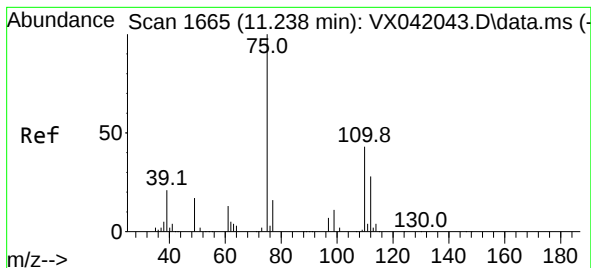
Tgt Ion:117 Resp: 117630
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 33.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX042816.D
Acq: 02 Aug 2024 01:32

Tgt Ion:152 Resp: 47344
Ion Ratio Lower Upper
152 100
115 63.5 43.3 129.9
150 155.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.393 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

Instrument :

MSVOA_X

ClientSampleId :

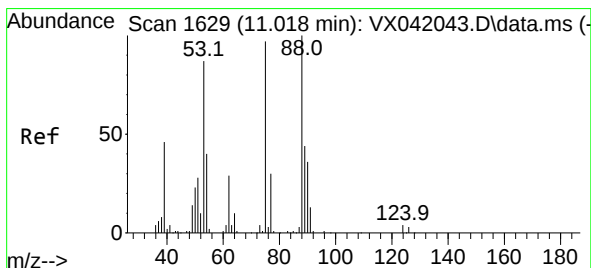
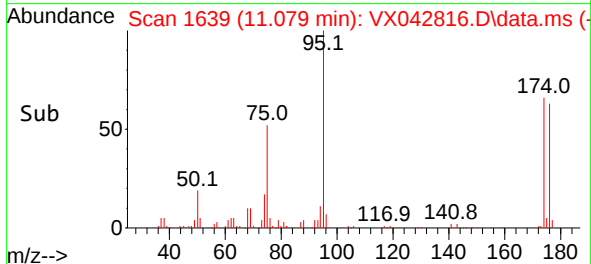
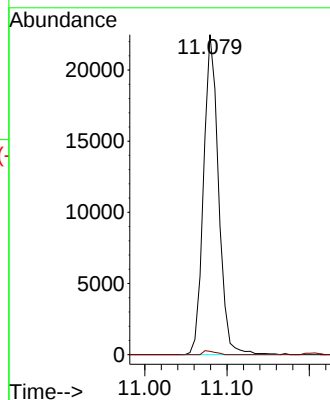
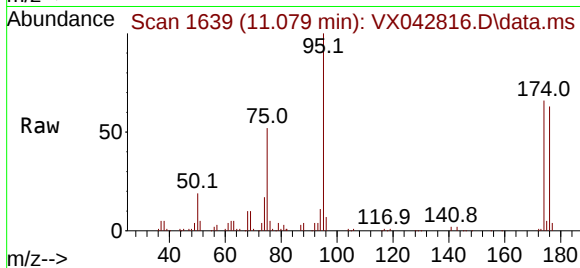
TB-01-073024

Tgt Ion: 75 Resp: 28552

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.116 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

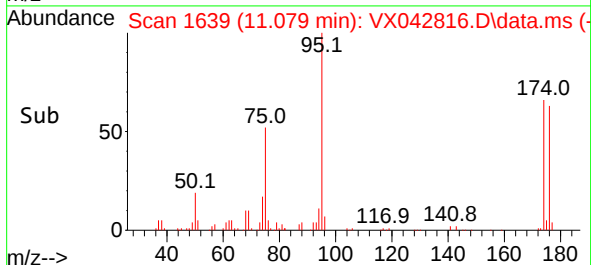
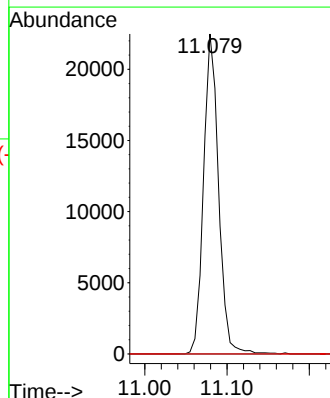
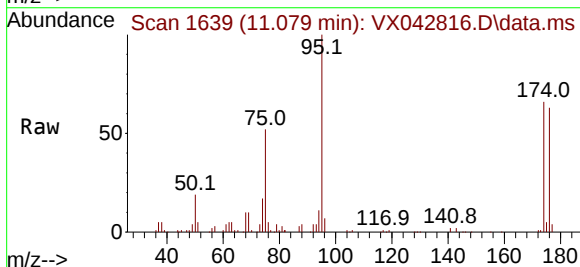
Tgt Ion: 75 Resp: 28552

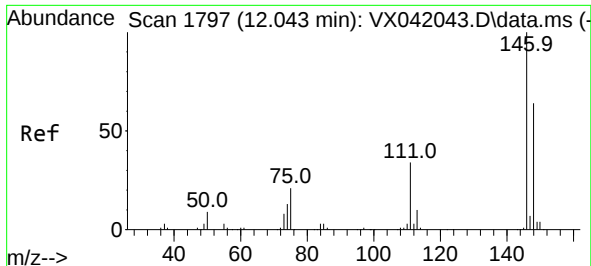
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#88

1,4-Dichlorobenzene

Concen: 0.236 ug/l

RT: 12.049 min Scan# 11

Delta R.T. 0.007 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

Instrument :

MSVOA_X

ClientSampleId :

TB-01-073024

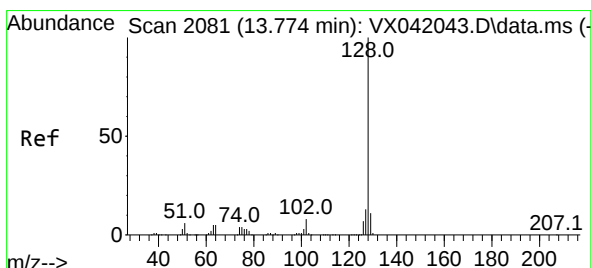
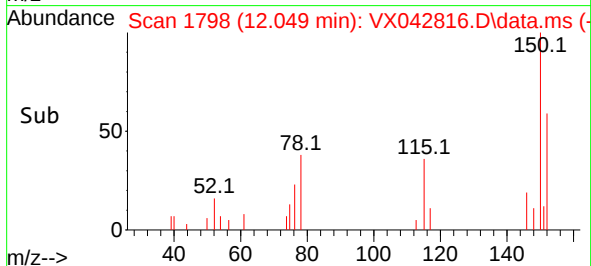
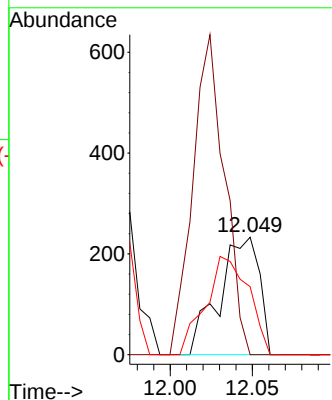
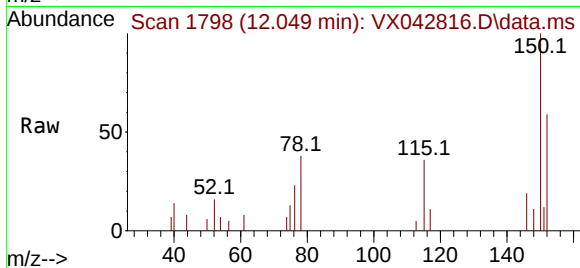
Tgt Ion:146 Resp: 397

Ion Ratio Lower Upper

146 100

111 0.0 21.3 63.7#

148 0.0 31.8 95.4#



#95

Naphthalene

Concen: 0.319 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX042816.D

Acq: 02 Aug 2024 01:32

Tgt Ion:128 Resp: 1155

Ion Ratio Lower Upper

128 100

127 5.2 10.3 15.5#

129 0.0 8.8 13.2#

