

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100918\
 Data File : VX005196.D
 Acq On : 10 Oct 2018 08:46
 Operator : JC/MD
 Sample : J5303-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW515-2024

Quant Time: Oct 10 13:55:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	185162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	290092	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164016	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	144388	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
35) Dibromofluoromethane	5.51	113	120217	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	8.72	98	423487	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
62) 4-Bromofluorobenzene	11.14	95	153915	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	

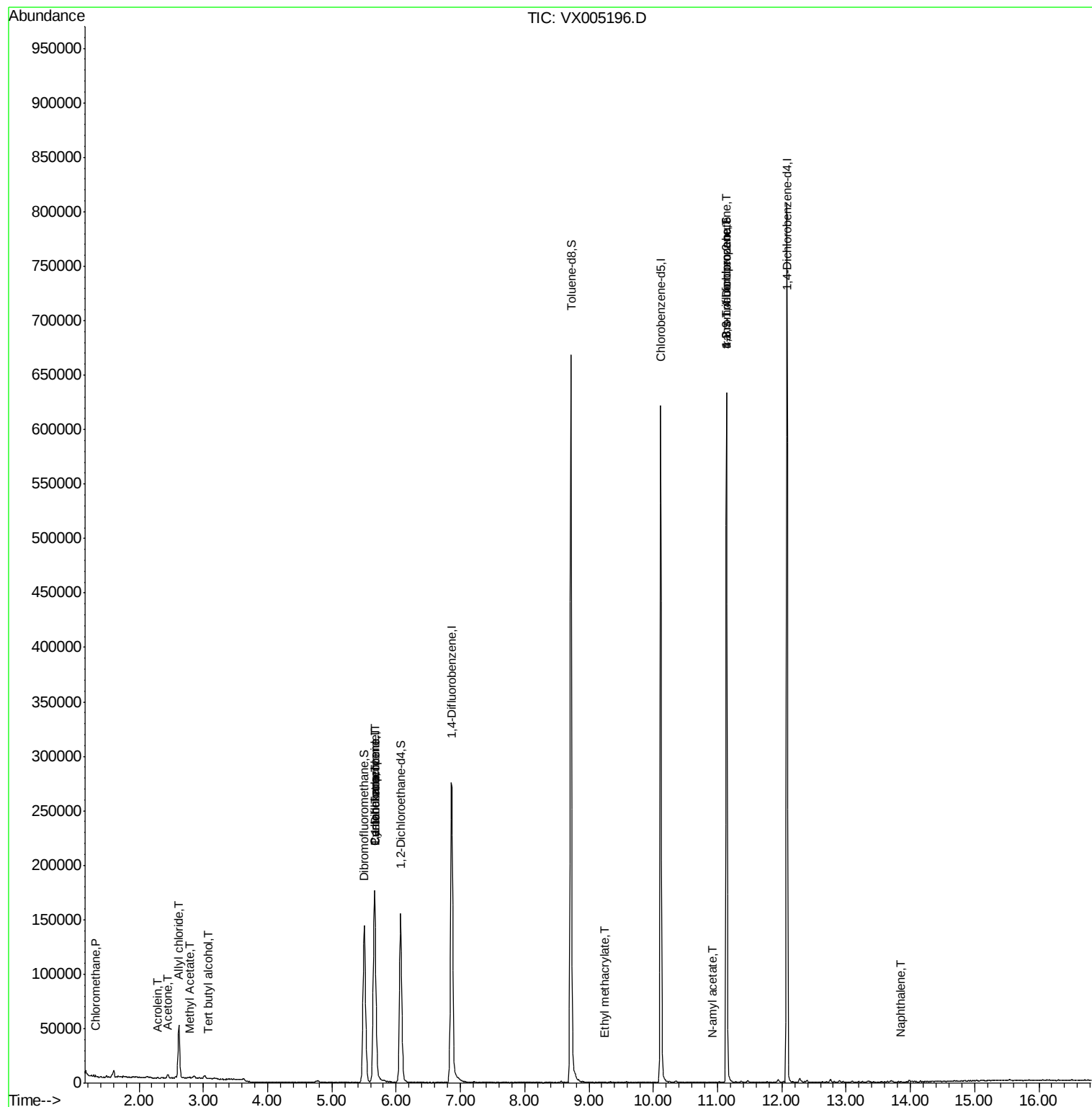
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	625	0.20	ug/l	89
6) Chloroethane	1.71	64	2210	Below Cal	#	68
11) Tert butyl alcohol	3.07	59	380	0.51	ug/l	# 93
13) Acrolein	2.29	56	188	0.36	ug/l	# 10
14) Allyl chloride	2.62	41	5036	1.15	ug/l	# 57
16) Acetone	2.45	43	3775	2.44	ug/l	# 83
18) Methyl Acetate	2.78	43	843	0.22	ug/l	99
20) Methylene Chloride	2.86	84	776	Below Cal	#	83
31) Cyclohexane	5.67	56	3356	1.00	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	13403	4.00	ug/l	# 47
38) Carbon Tetrachloride	5.67	117	17029	4.83	ug/l	# 17
56) Ethyl methacrylate	9.24	69	26	2.87	ug/l	# 1
74) N-amyl acetate	10.91	43	154	1.77	ug/l	# 51
76) 1,2,3-Trichloropropane	11.14	75	75345	20.50	ug/l	# 35
80) 1,3,5-Trimethylbenzene	11.44	105	69	Below Cal	#	29
81) trans-1,4-Dichloro-2-buten	11.14	75	75345	55.66	ug/l	# 10
84) 1,2,4-Trimethylbenzene	11.80	105	214	Below Cal		74
95) Naphthalene	13.83	128	366	0.75	ug/l	# 69

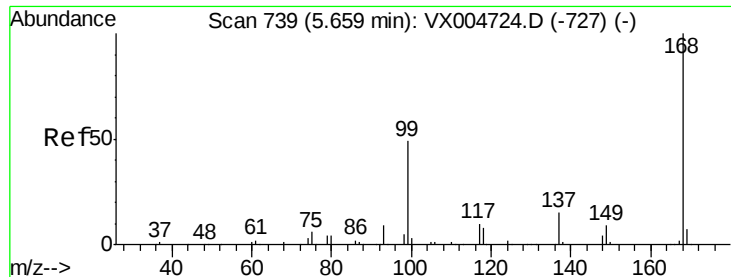
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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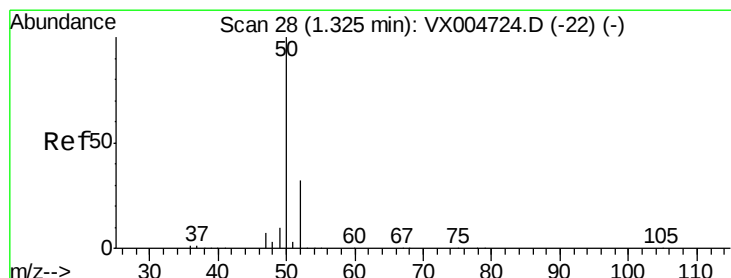
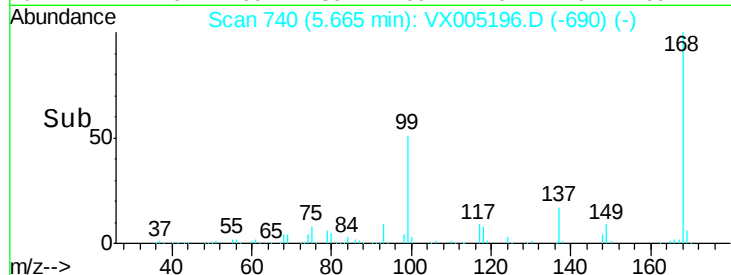
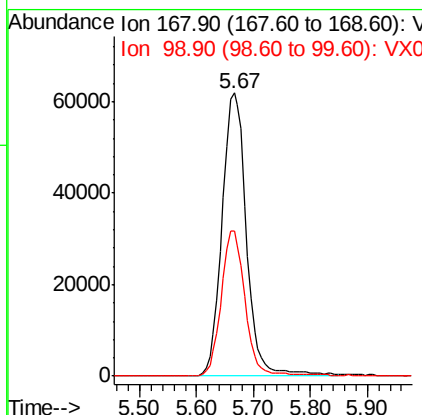
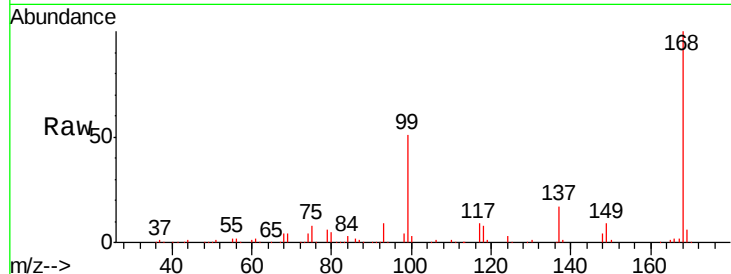




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005196.D
Acq: 10 Oct 2018 08:46

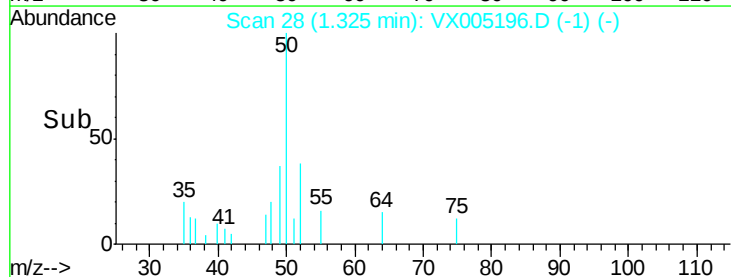
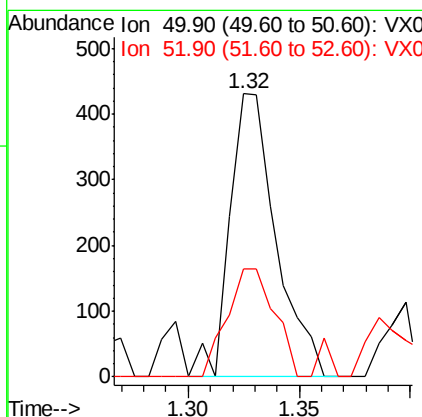
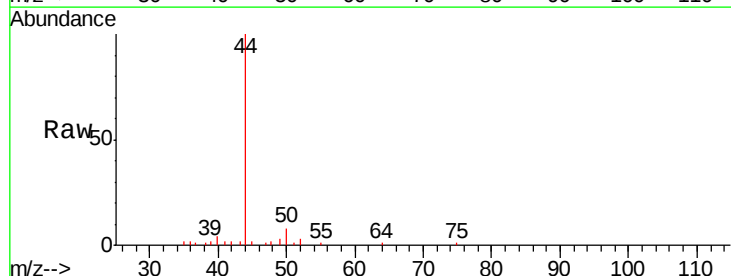
Instrument :
MSVOA_X
ClientSampleId :
SA-TW515-2024

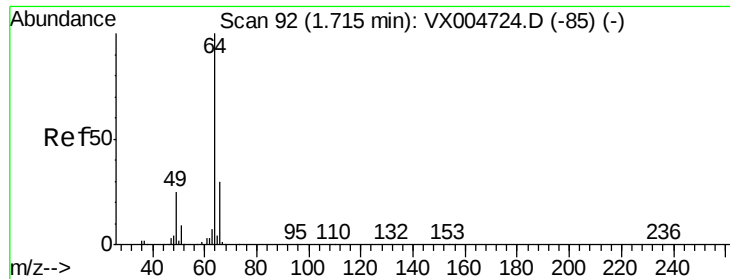
Tgt Ion:168 Resp: 185162
Ion Ratio Lower Upper
168 100
99 51.1 39.3 58.9



#3
Chloromethane
Concen: 0.20 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX005196.D
Acq: 10 Oct 2018 08:46

Tgt Ion: 50 Resp: 625
Ion Ratio Lower Upper
50 100
52 38.3 25.8 38.6





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005196.D

Acq: 10 Oct 2018 08:46

Instrument :

MSVOA_X

ClientSampleId :

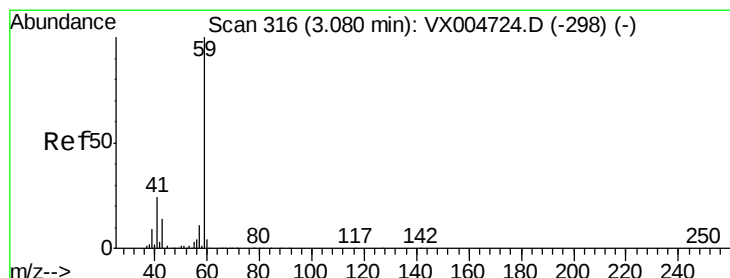
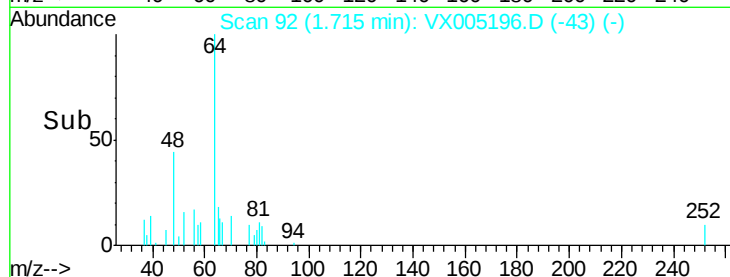
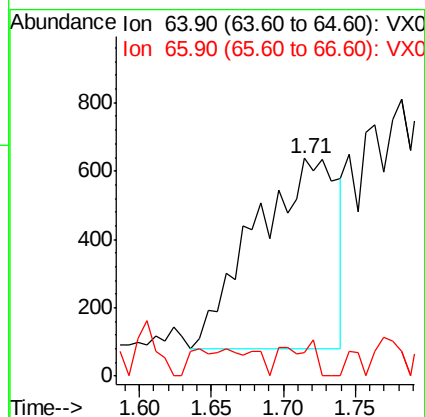
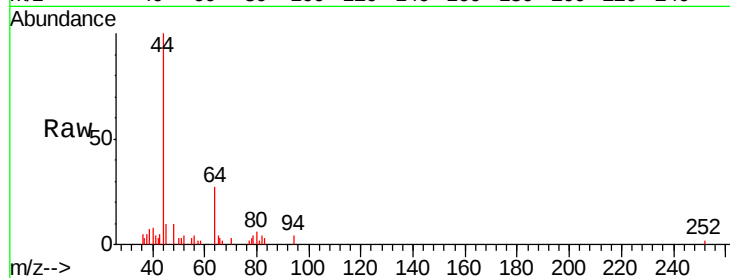
SA-TW515-2024

Tgt Ion: 64 Resp: 2210

Ion Ratio Lower Upper

64 100

66 12.6 23.8 35.6#



#11

Tert butyl alcohol

Concen: 0.51 ug/l

RT: 3.07 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX005196.D

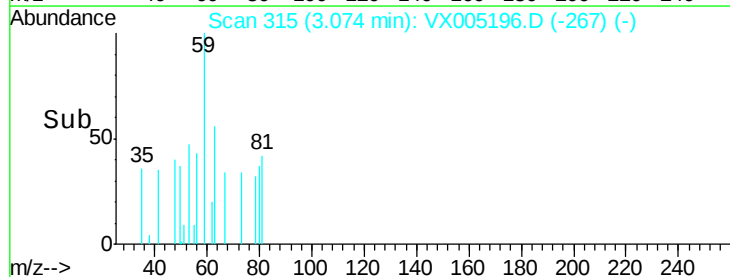
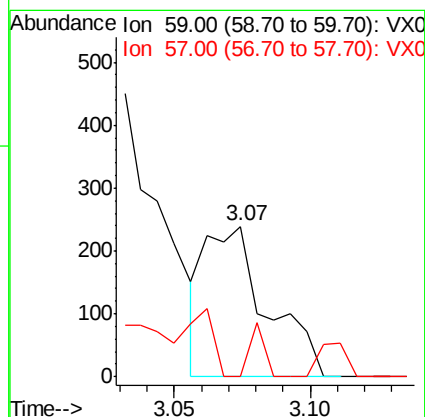
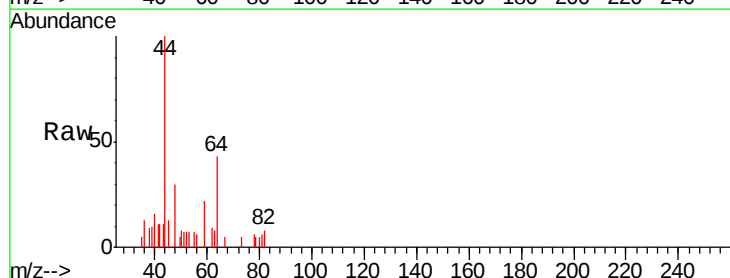
Acq: 10 Oct 2018 08:46

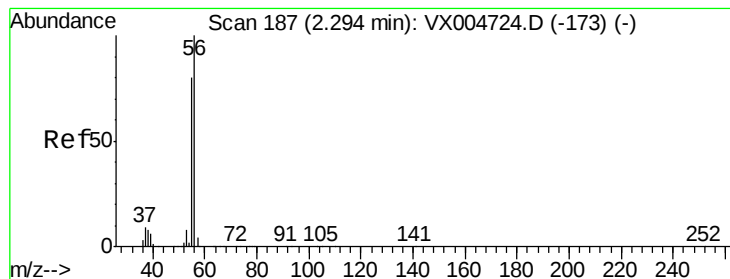
Tgt Ion: 59 Resp: 380

Ion Ratio Lower Upper

59 100

57 8.2 8.6 12.8#





#13

Acrolein

Concen: 0.36 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX005196.D

Acq: 10 Oct 2018 08:46

Instrument :

MSVOA_X

ClientSampleId :

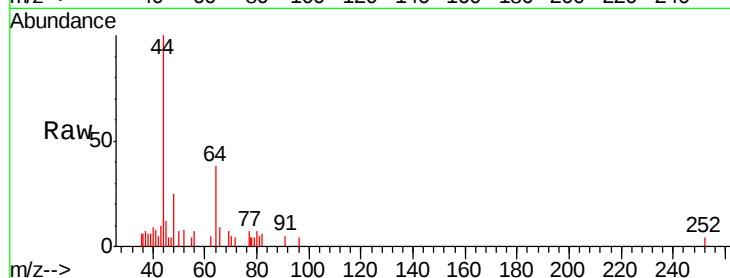
SA-TW515-2024

Tgt Ion: 56 Resp: 188

Ion Ratio Lower Upper

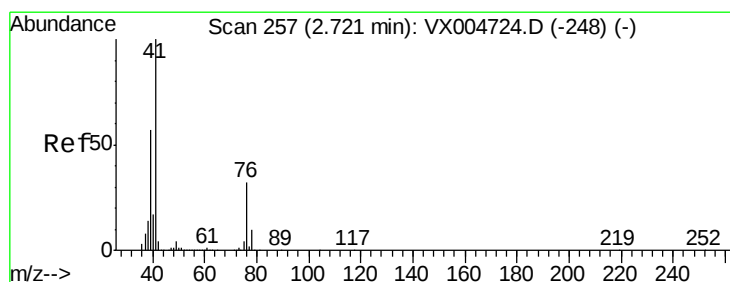
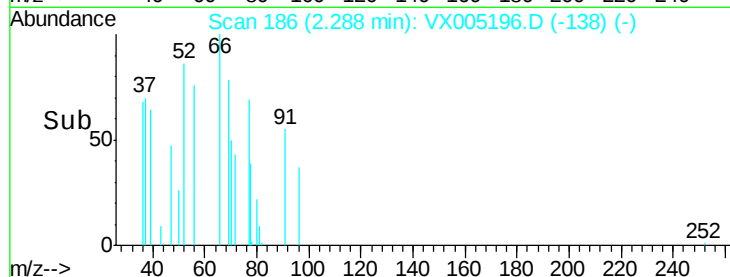
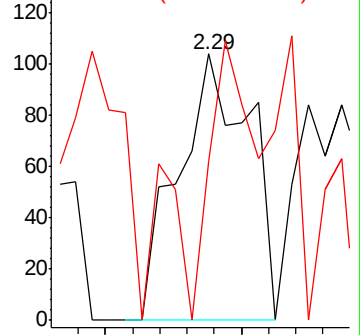
56 100

55 0.0 63.4 95.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 1.15 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.10 min

Lab File: VX005196.D

Acq: 10 Oct 2018 08:46

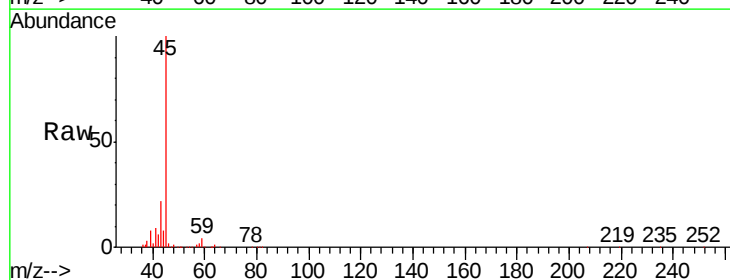
Tgt Ion: 41 Resp: 5036

Ion Ratio Lower Upper

41 100

39 80.2 44.1 66.1#

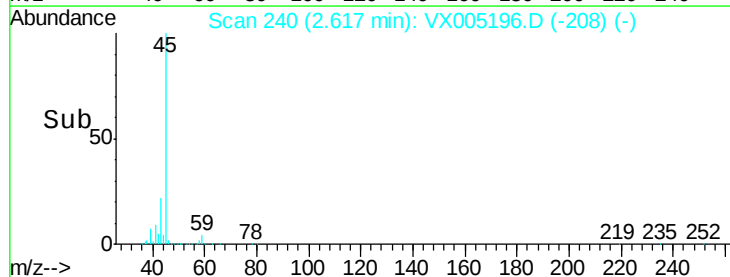
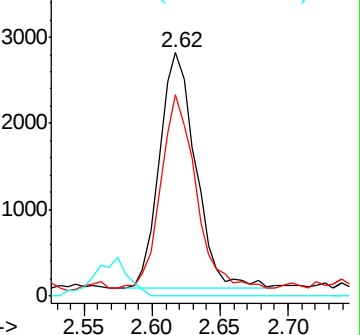
76 0.0 25.0 37.4#

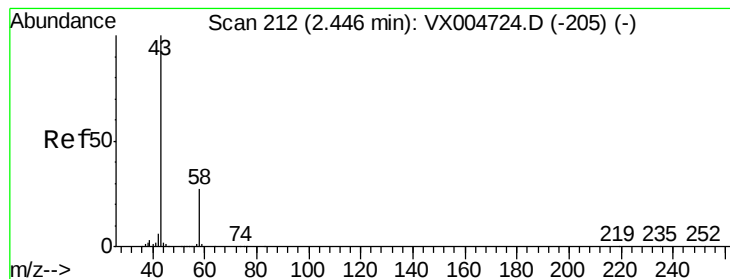


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 2.44 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005196.D

Acq: 10 Oct 2018 08:46

Instrument :

MSVOA_X

ClientSampleId :

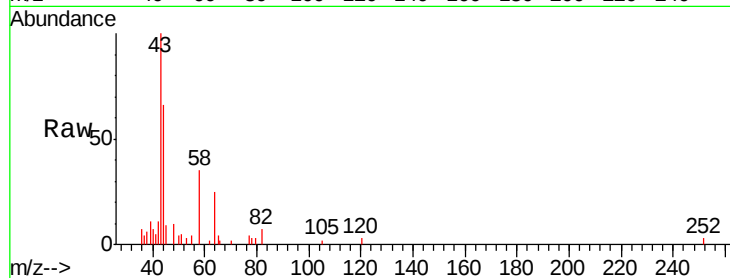
SA-TW515-2024

Tgt Ion: 43 Resp: 3775

Ion Ratio Lower Upper

43 100

58 36.1 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2500

2000

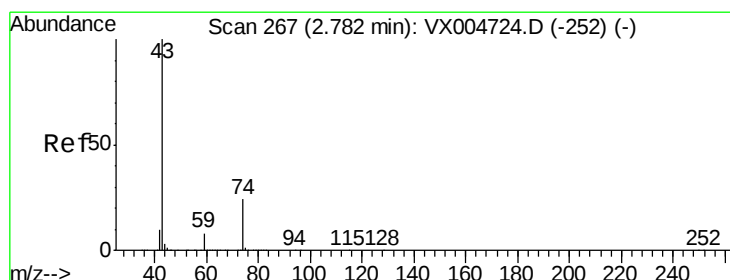
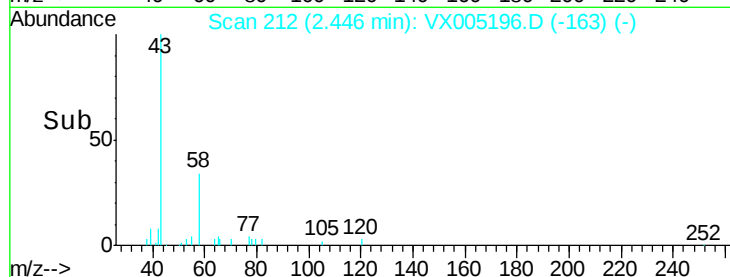
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 0.22 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005196.D

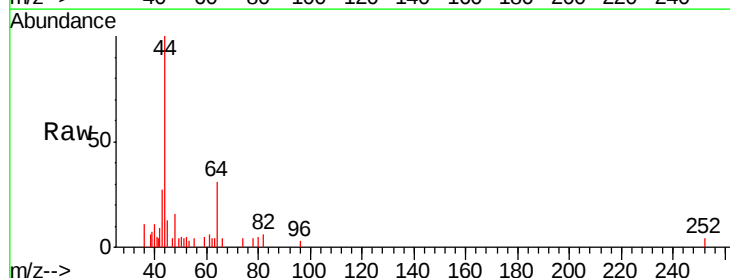
Acq: 10 Oct 2018 08:46

Tgt Ion: 43 Resp: 843

Ion Ratio Lower Upper

43 100

74 21.7 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

500

400

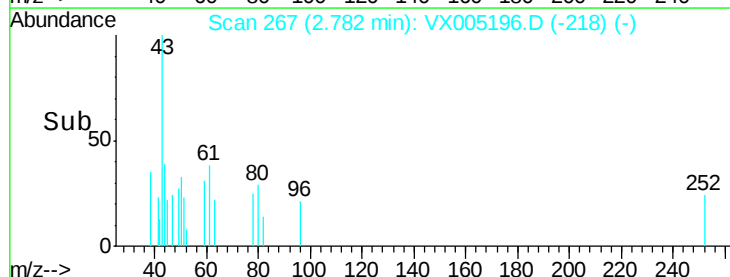
300

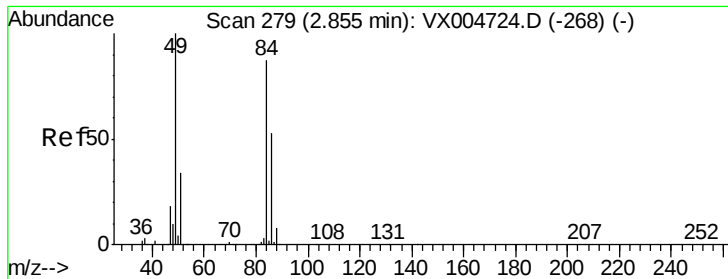
200

100

0

Time-->

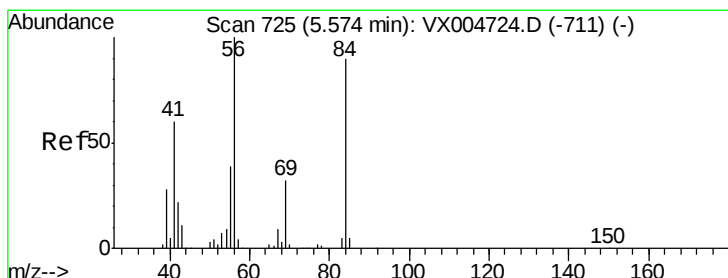
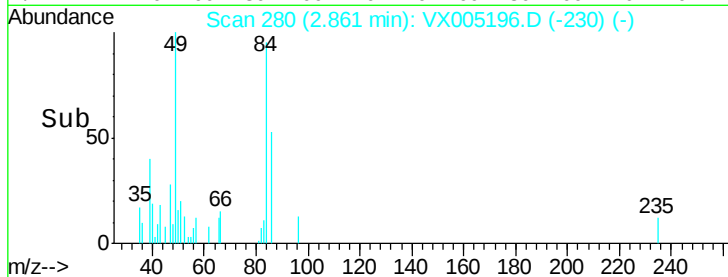
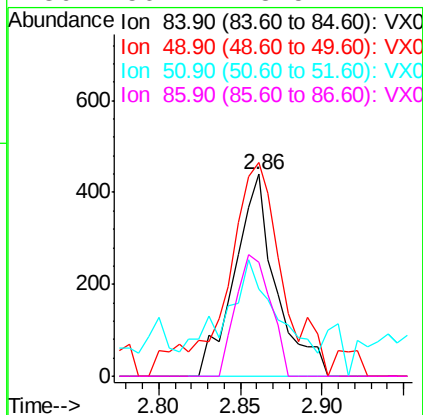
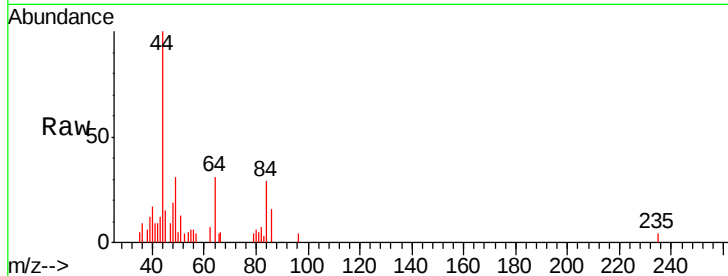




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005196.D
Acq: 10 Oct 2018 08:46

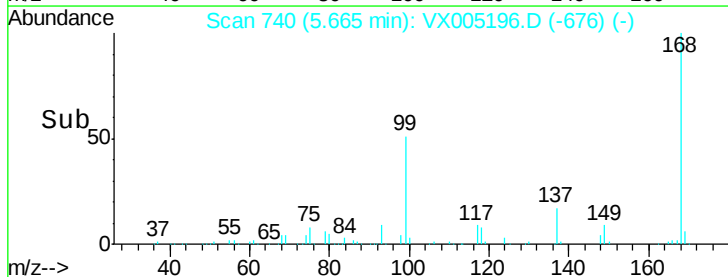
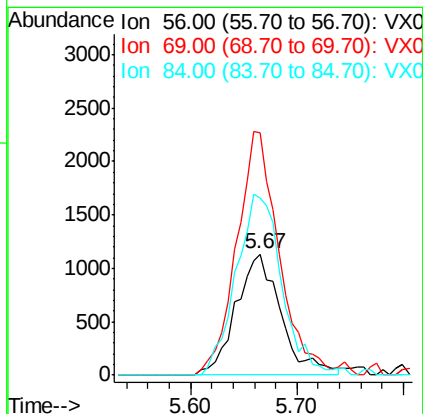
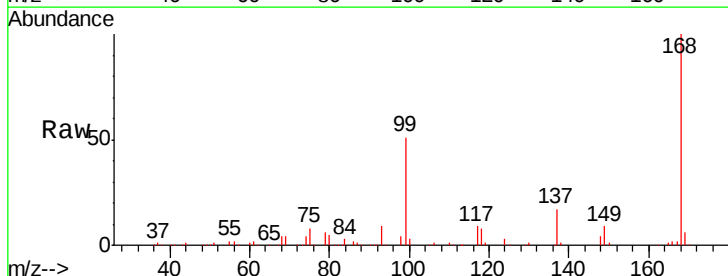
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ClientSampleId :
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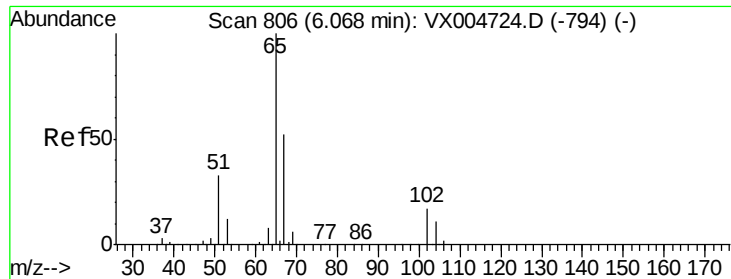
Tgt Ion: 84 Resp: 776
Ion Ratio Lower Upper
84 100
49 93.4 92.3 138.5
51 24.5 31.8 47.6#
86 56.1 48.5 72.7



#31
Cyclohexane
Concen: 1.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX005196.D
Acq: 10 Oct 2018 08:46

Tgt Ion: 56 Resp: 3356
Ion Ratio Lower Upper
56 100
69 199.6 25.9 38.9#
84 145.5 71.9 107.9#

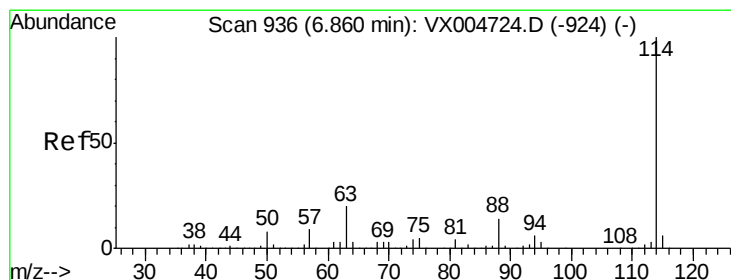
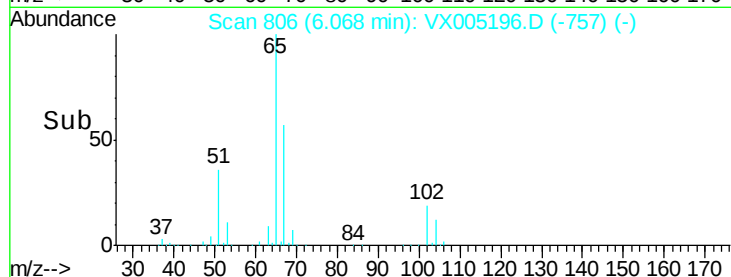
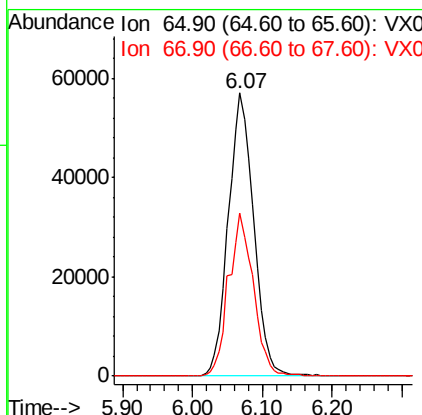
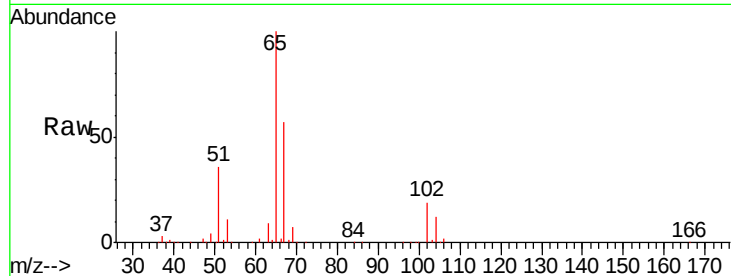




#33
 1,2-Dichloroethane-d4
 Concen: 54.59 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005196.D
 Acq: 10 Oct 2018 08:46

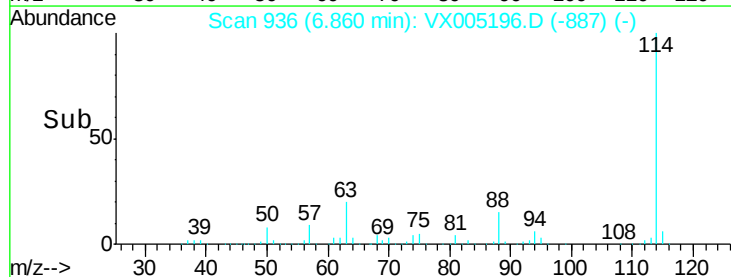
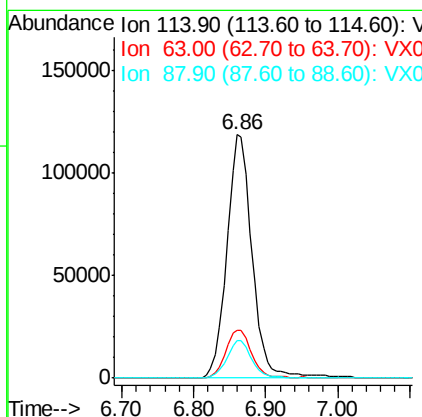
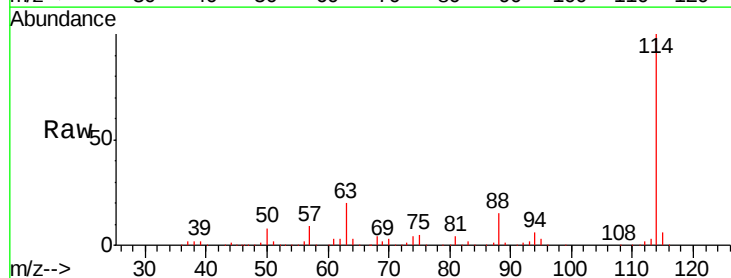
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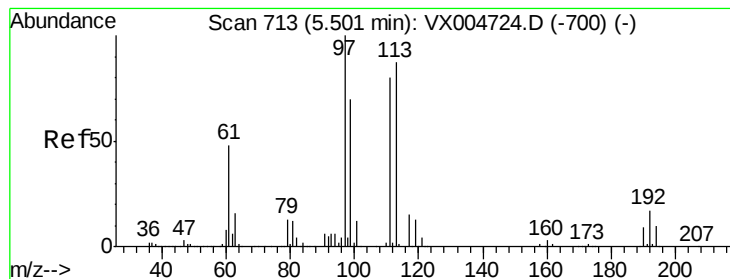
Tgt Ion: 65 Resp: 144388
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005196.D
 Acq: 10 Oct 2018 08:46

Tgt Ion: 114 Resp: 290092
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.4 0.0 27.0





#35

Dibromofluoromethane

Concen: 48.90 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005196.D

Acq: 10 Oct 2018 08:46

Instrument :

MSVOA_X

ClientSampleId :

SA-TW515-2024

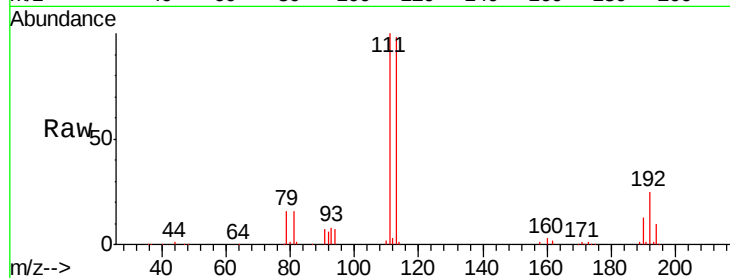
Tgt Ion:113 Resp: 120217

Ion Ratio Lower Upper

113 100

111 102.4 77.0 115.4

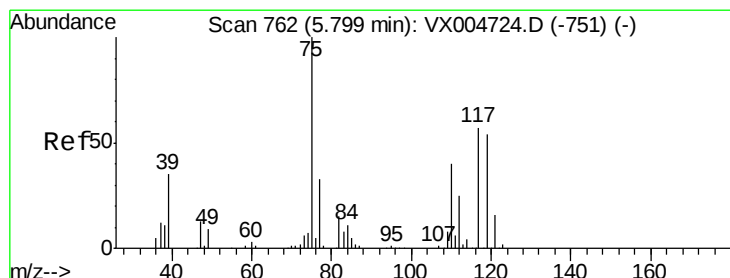
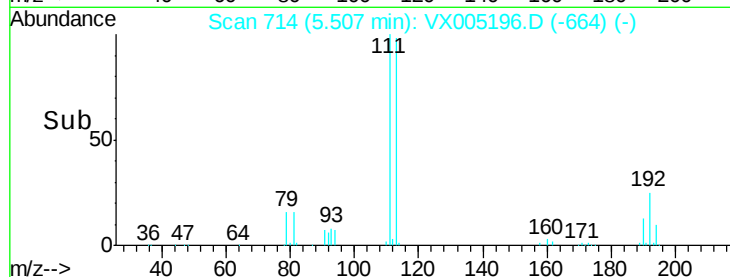
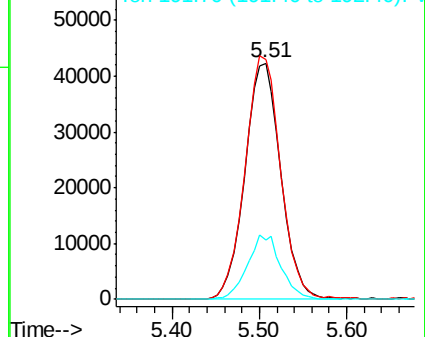
192 25.3 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005196.D

Acq: 10 Oct 2018 08:46

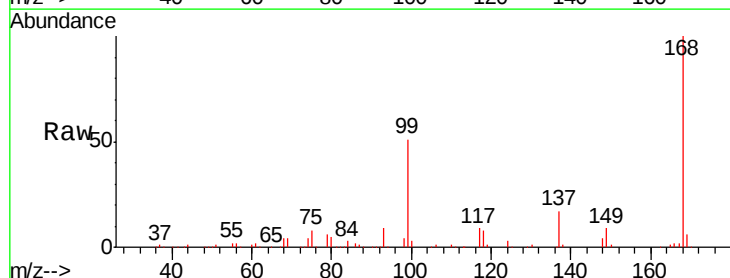
Tgt Ion: 75 Resp: 13403

Ion Ratio Lower Upper

75 100

110 10.1 20.0 59.9#

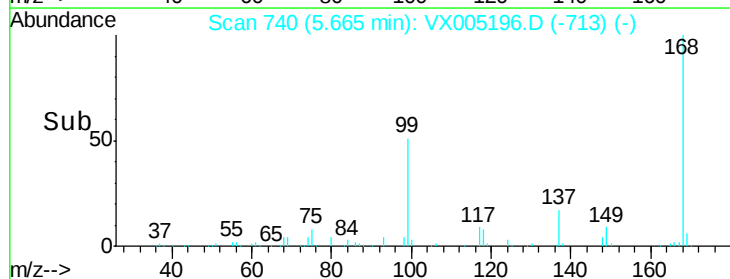
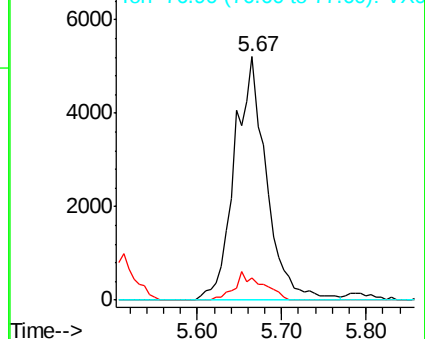
77 0.0 27.1 40.7#

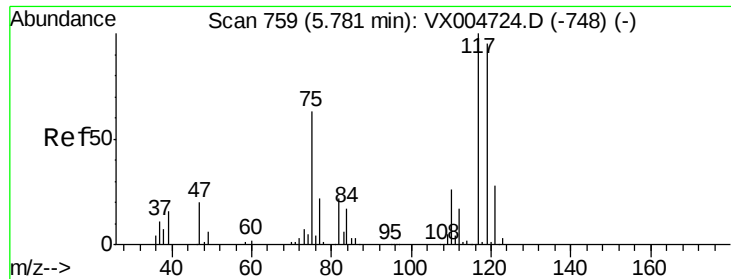


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.83 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005196.D

Acq: 10 Oct 2018 08:46

Instrument :

MSVOA_X

ClientSampleId :

SA-TW515-2024

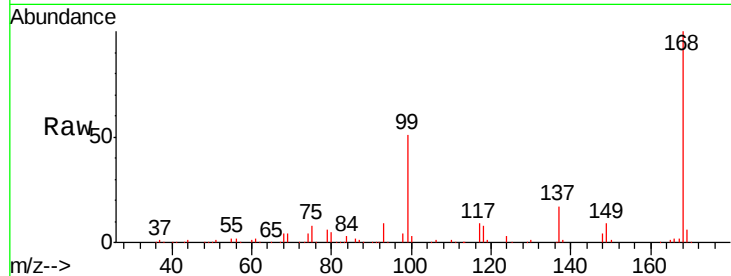
Tgt Ion:117 Resp: 17029

Ion Ratio Lower Upper

117 100

119 5.9 75.2 112.8#

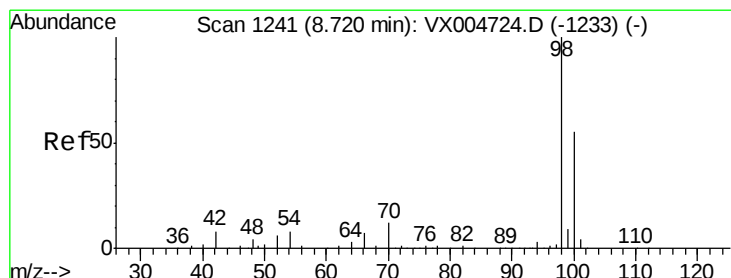
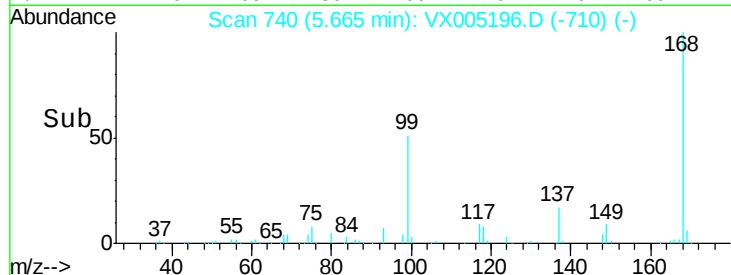
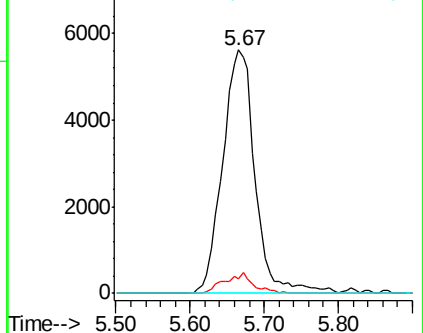
121 0.0 22.5 33.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.81 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005196.D

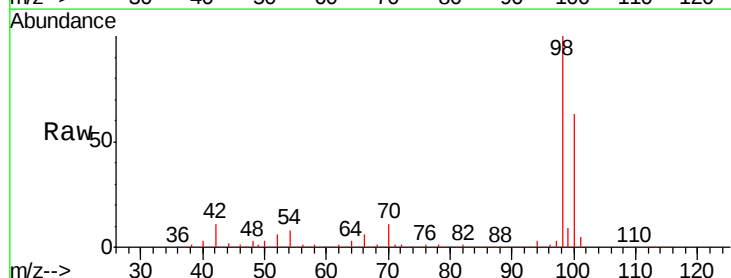
Acq: 10 Oct 2018 08:46

Tgt Ion: 98 Resp: 423487

Ion Ratio Lower Upper

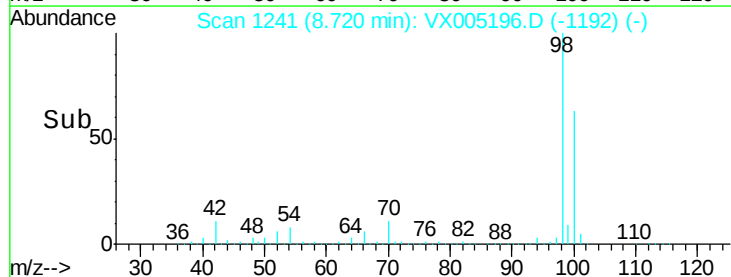
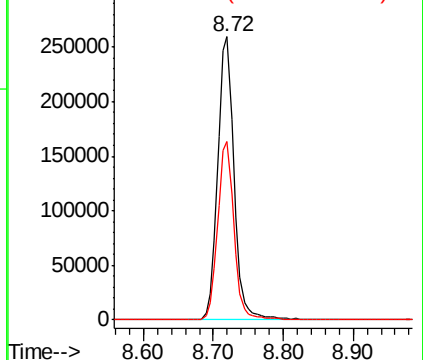
98 100

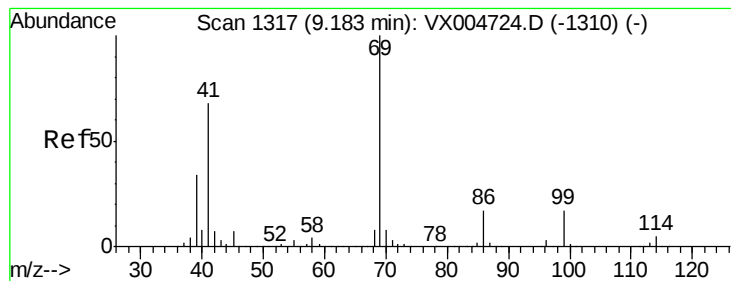
100 62.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.87 ug/l

RT: 9.24 min Scan# 1326

Delta R.T. 0.06 min

Lab File: VX005196.D

Acq: 10 Oct 2018 08:46

Instrument :

MSVOA_X

ClientSampleId :

SA-TW515-2024

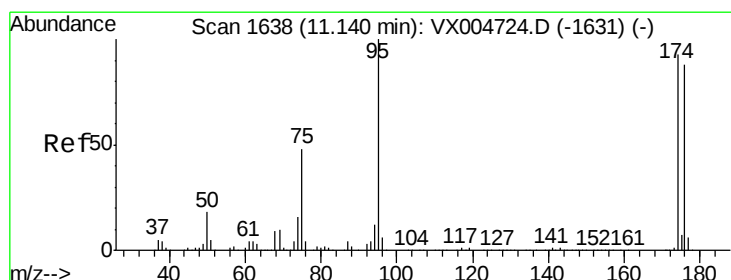
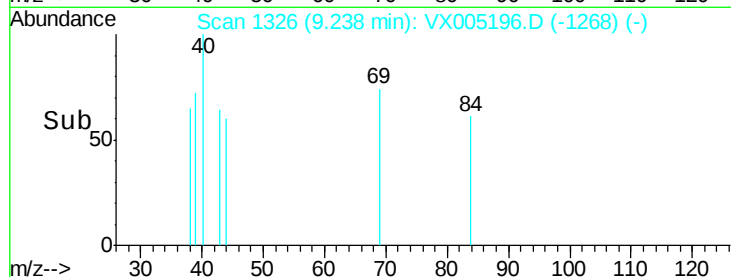
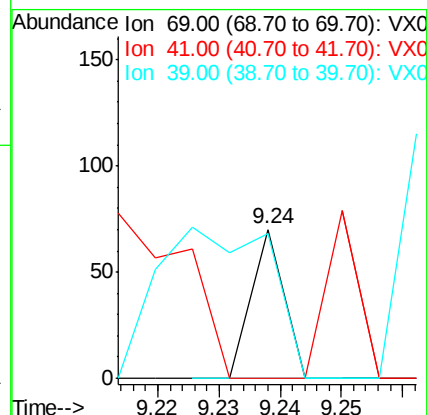
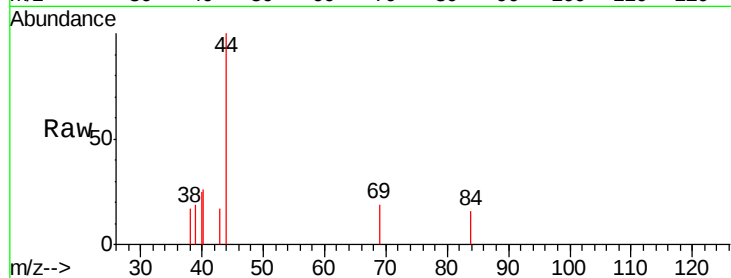
Tgt Ion: 69 Resp: 26

Ion Ratio Lower Upper

69 100

41 0.0 56.9 85.3#

39 350.0 28.4 42.6#



#62

4-Bromofluorobenzene

Concen: 52.27 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005196.D

Acq: 10 Oct 2018 08:46

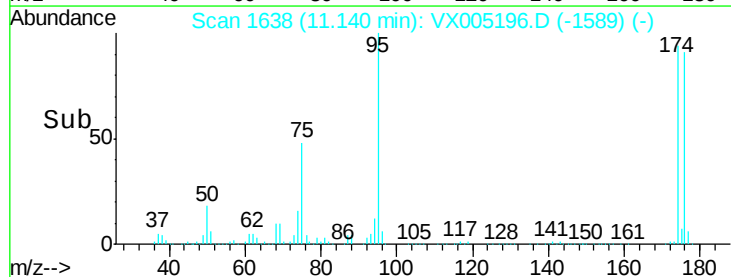
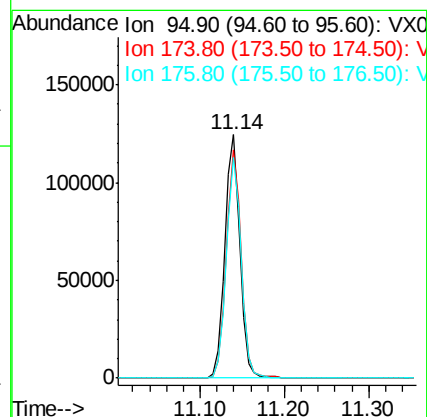
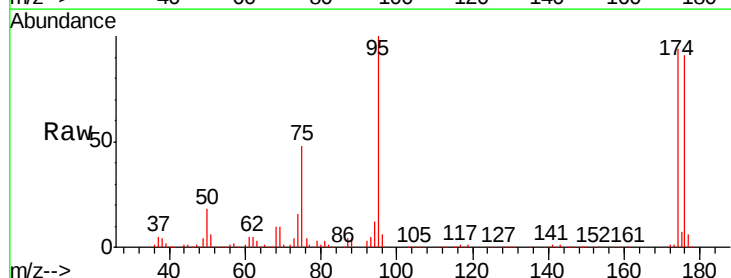
Tgt Ion: 95 Resp: 153915

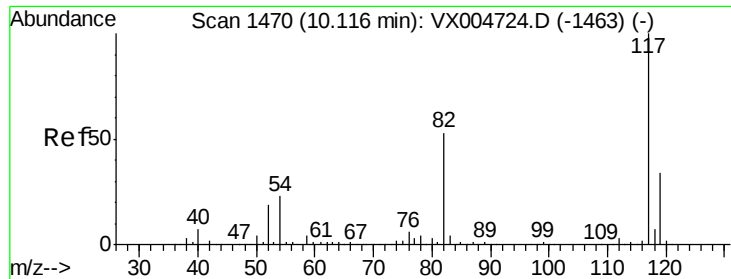
Ion Ratio Lower Upper

95 100

174 93.5 0.0 185.0

176 90.4 0.0 180.2

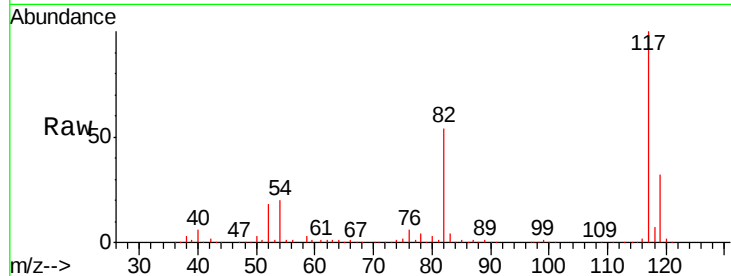




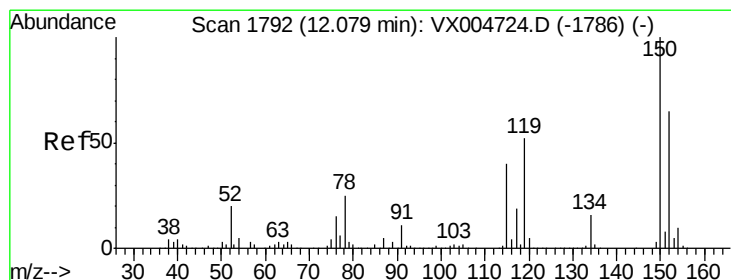
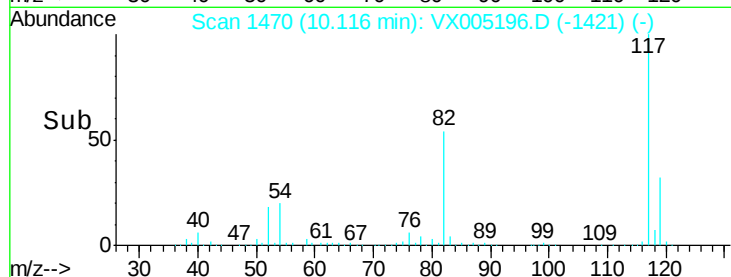
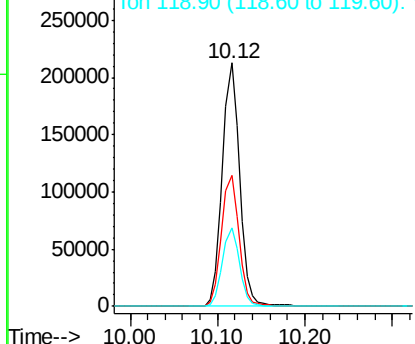
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005196.D
Acq: 10 Oct 2018 08:46

Instrument :
MSVOA_X
ClientSampleId :
SA-TW515-2024

Tgt Ion:117 Resp: 292225
Ion Ratio Lower Upper
117 100
82 54.0 42.2 63.4
119 32.1 27.4 41.0

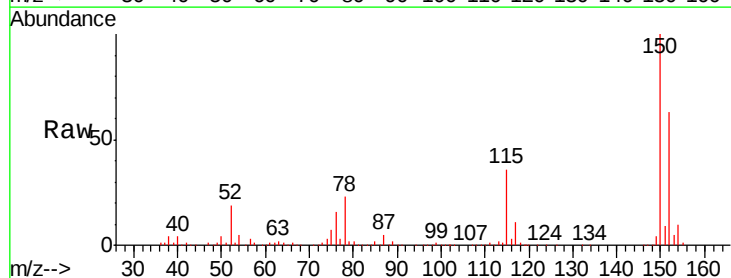


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

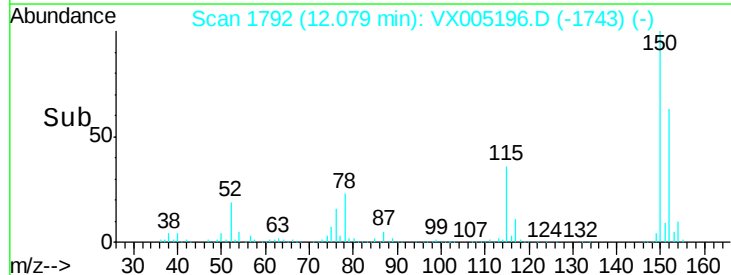
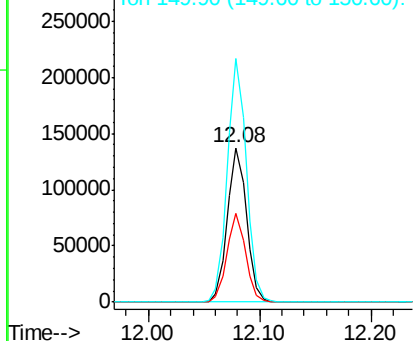


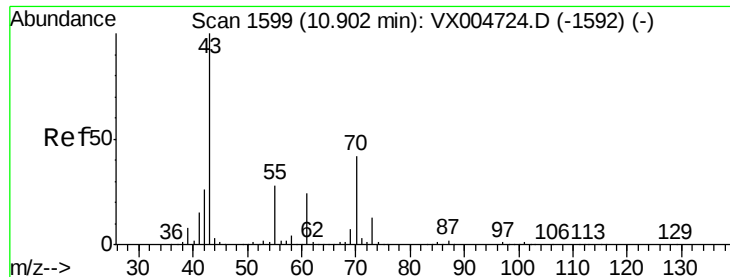
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005196.D
Acq: 10 Oct 2018 08:46

Tgt Ion:152 Resp: 164016
Ion Ratio Lower Upper
152 100
115 55.7 40.2 120.6
150 156.3 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 1.77 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX005196.D

Acq: 10 Oct 2018 08:46

Instrument :

MSVOA_X

ClientSampleID :

SA-TW515-2024

Tgt Ion: 43 Resp: 154

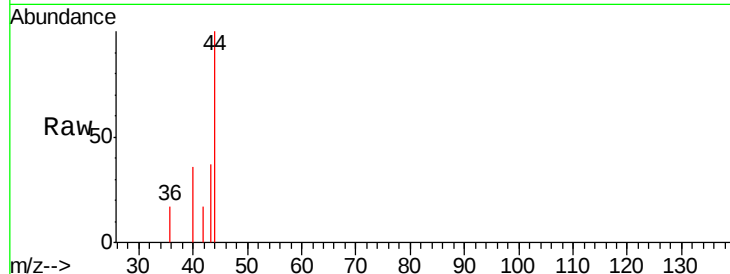
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 14.3 21.6 32.4#

61 0.0 19.1 28.7#

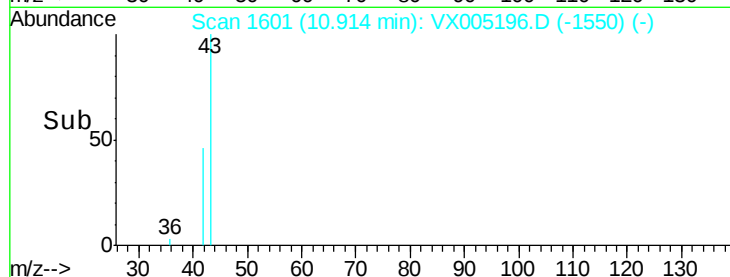
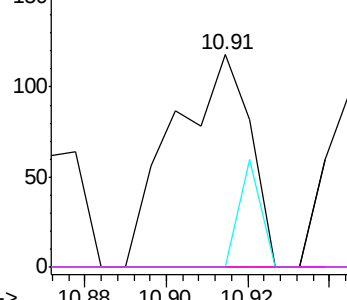


Abundance Ion 43.00 (42.70 to 43.70): VX0

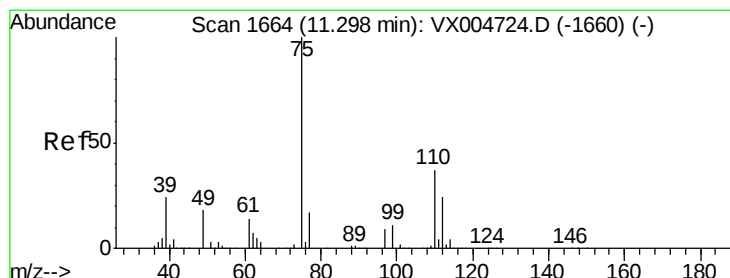
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 20.50 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005196.D

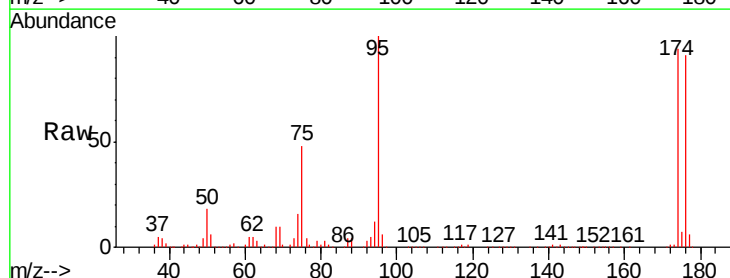
Acq: 10 Oct 2018 08:46

Tgt Ion: 75 Resp: 75345

Ion Ratio Lower Upper

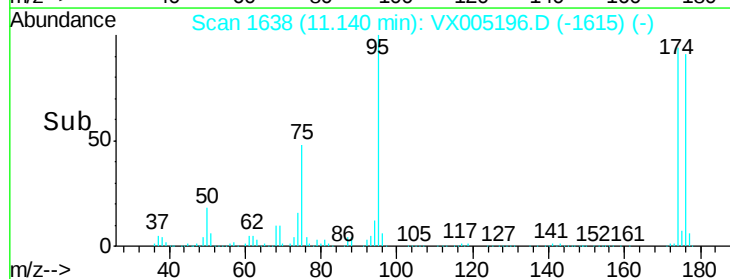
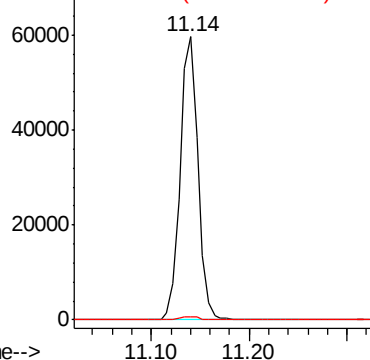
75 100

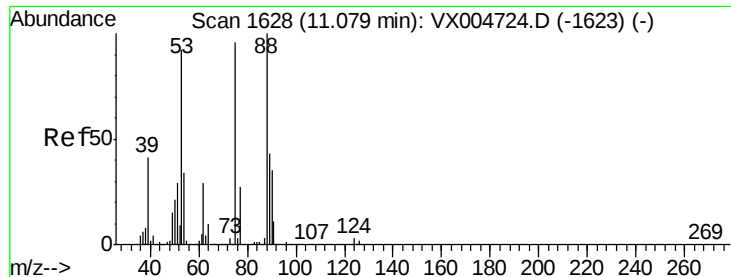
77 1.3 21.4 64.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.66 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005196.D

Acq: 10 Oct 2018 08:46

Instrument :

MSVOA_X

ClientSampleId :

SA-TW515-2024

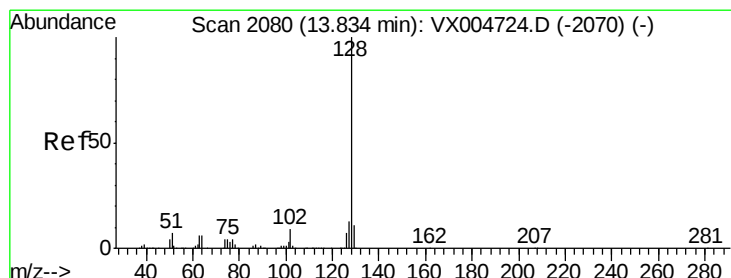
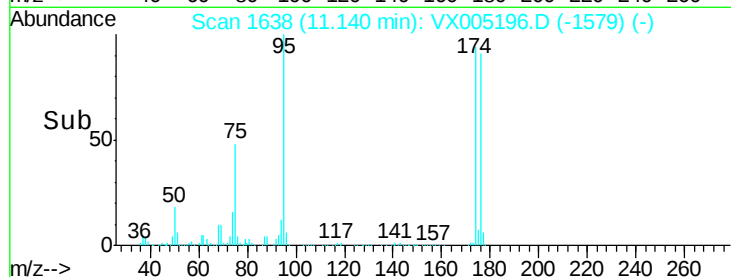
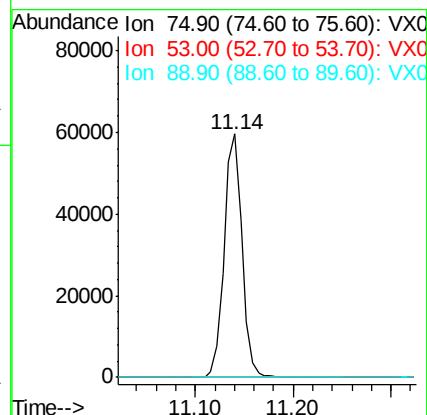
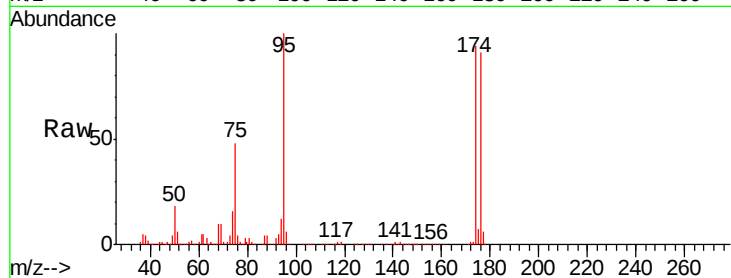
Tgt Ion: 75 Resp: 75345

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

89 0.0 37.1 55.7#



#95

Naphthalene

Concen: 0.75 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005196.D

Acq: 10 Oct 2018 08:46

Tgt Ion: 128 Resp: 366

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

