

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100918\
 Data File : VX005202.D
 Acq On : 10 Oct 2018 11:27
 Operator : JC/MD
 Sample : J5303-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW516-4044

Quant Time: Oct 10 13:57:00 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	171279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	270698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	269960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150535	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	135403	55.34	ug/l	0.00
Spiked Amount 50.000			Recovery =	110.68%		
35) Dibromofluoromethane	5.50	113	114184	49.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.54%		
50) Toluene-d8	8.72	98	393875	51.64	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.28%		
62) 4-Bromofluorobenzene	11.14	95	141191	51.39	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.78%		

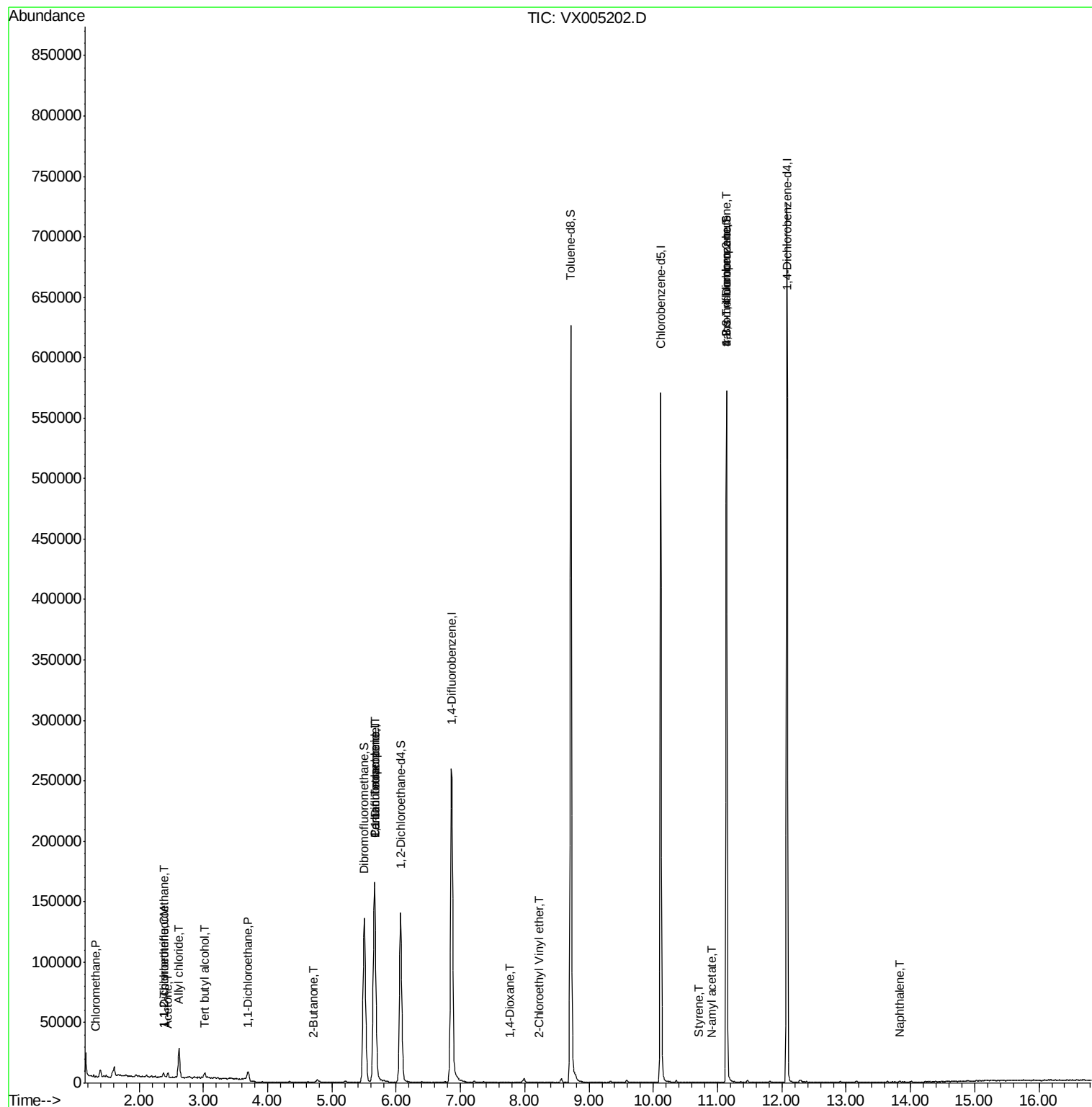
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	898	0.32	ug/l	96
6) Chloroethane	1.71	64	170	Below Cal	#	79
9) 1,1,2-Trichlorotrifluoroet	2.39	101	982	0.52	ug/l	# 90
11) Tert butyl alcohol	3.02	59	3321	4.85	ug/l	# 76
12) 1,1-Dichloroethene	2.38	96	527	0.28	ug/l	# 65
14) Allyl chloride	2.62	41	3267	0.81	ug/l	# 71
16) Acetone	2.45	43	3914	2.74	ug/l	98
20) Methylene Chloride	2.85	84	344	Below Cal	#	79
24) 1,1-Dichloroethane	3.70	63	6337	1.56	ug/l	96
25) 2-Butanone	4.71	43	692	0.33	ug/l	# 49
36) 1,1-Dichloropropene	5.66	75	12137	3.88	ug/l	# 45
38) Carbon Tetrachloride	5.67	117	15405	4.68	ug/l	# 18
49) 1,4-Dioxane	7.76	88	48	0.71	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	8.23	63	24	14.25	ug/l	# 49
70) Styrene	10.71	104	66	2.15	ug/l	# 25
74) N-amyl acetate	10.90	43	118	1.77	ug/l	# 56
76) 1,2,3-Trichloropropane	11.14	75	69512	20.60	ug/l	# 35
80) 1,3,5-Trimethylbenzene	11.51	105	115	Below Cal	#	29
81) trans-1,4-Dichloro-2-buten	11.14	75	69512	55.94	ug/l	# 10
84) 1,2,4-Trimethylbenzene	11.81	105	323	Below Cal	#	61
95) Naphthalene	13.83	128	414	0.75	ug/l	# 94

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

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QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005202.D

Acq: 10 Oct 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

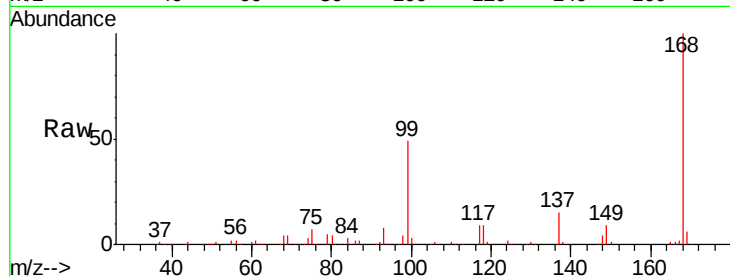
SA-TW516-4044

Tgt Ion:168 Resp: 171279

Ion Ratio Lower Upper

168 100

99 49.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

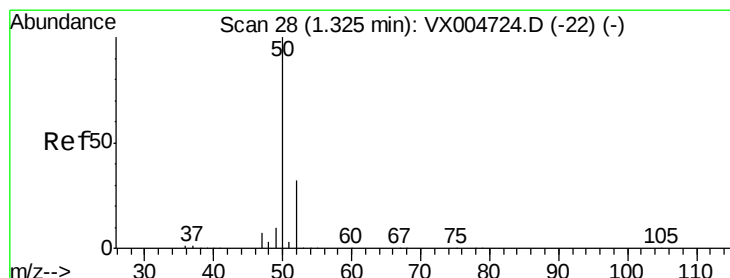
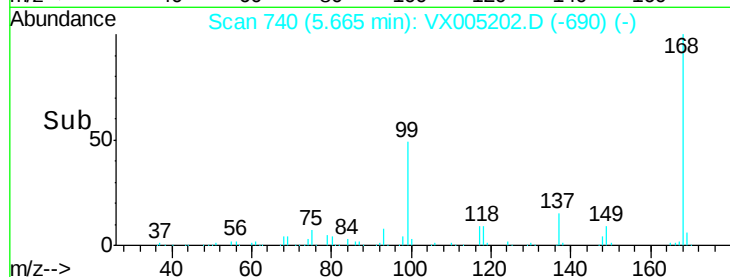
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.32 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005202.D

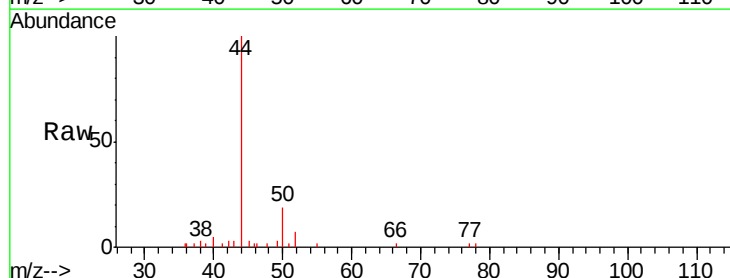
Acq: 10 Oct 2018 11:27

Tgt Ion: 50 Resp: 898

Ion Ratio Lower Upper

50 100

52 34.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

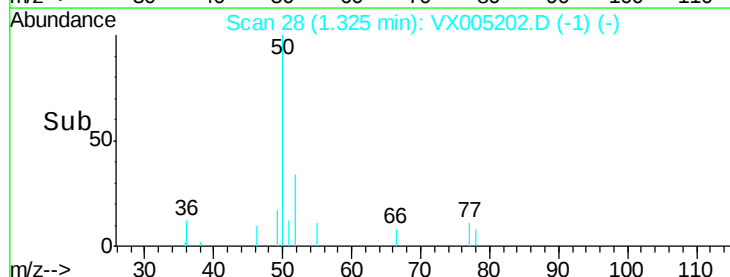
600

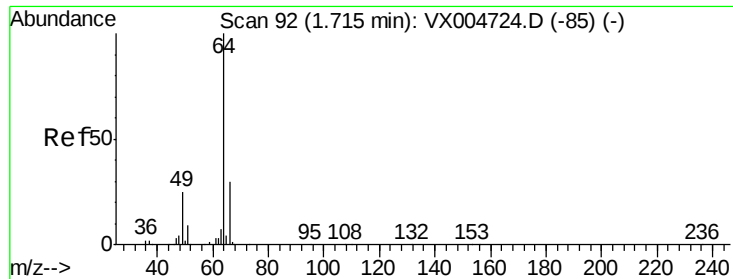
400

200

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005202.D

Acq: 10 Oct 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

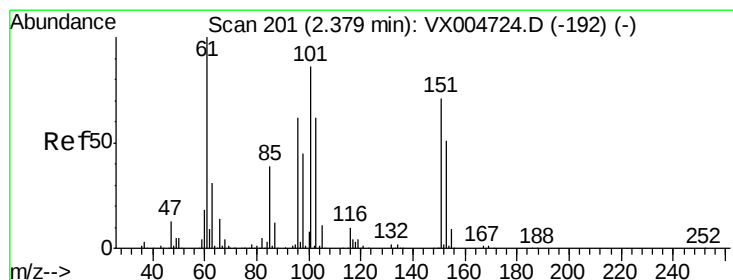
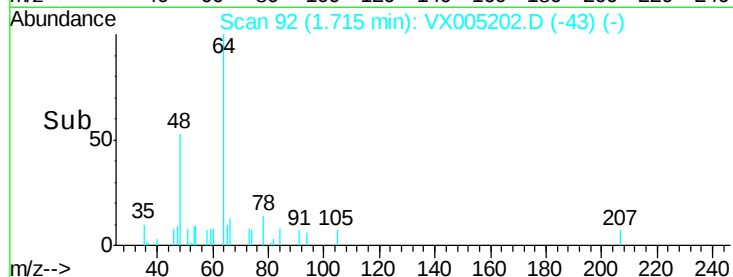
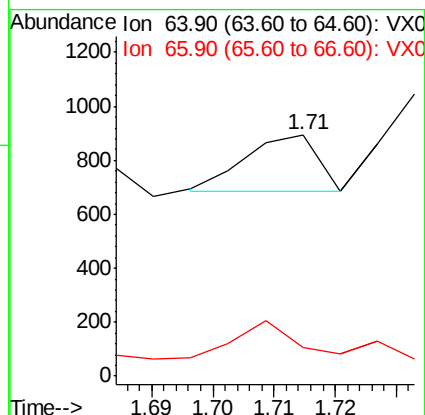
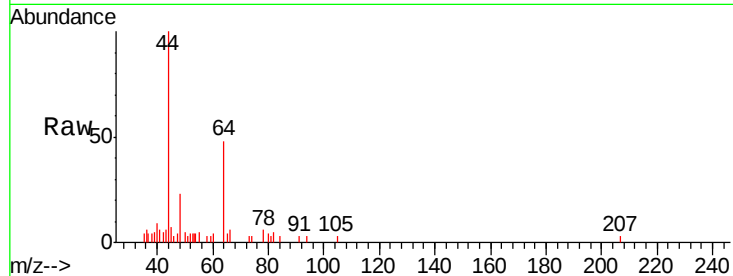
SA-TW516-4044

Tgt Ion: 64 Resp: 170

Ion Ratio Lower Upper

64 100

66 18.6 23.8 35.6#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.52 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005202.D

Acq: 10 Oct 2018 11:27

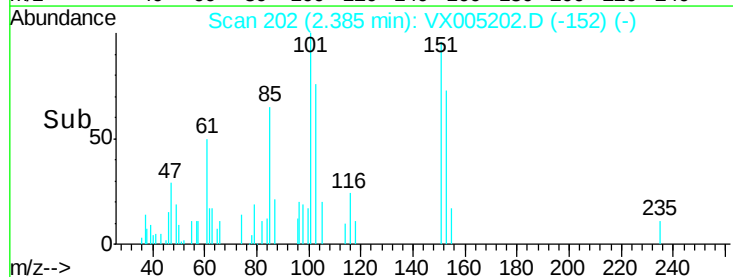
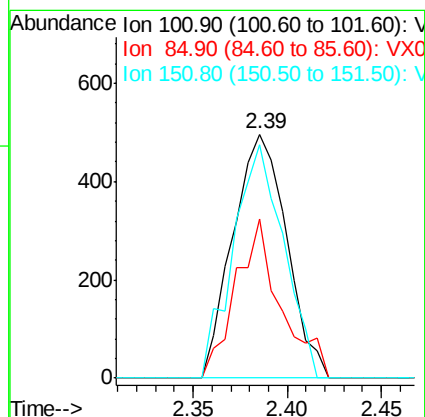
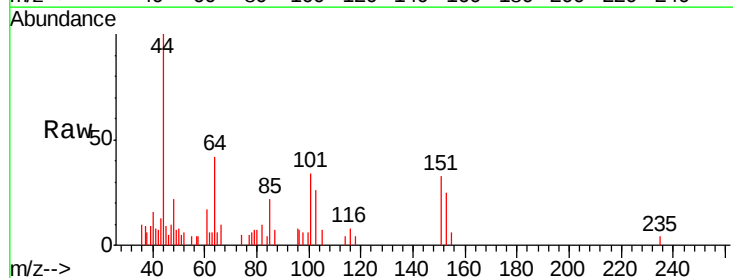
Tgt Ion: 101 Resp: 982

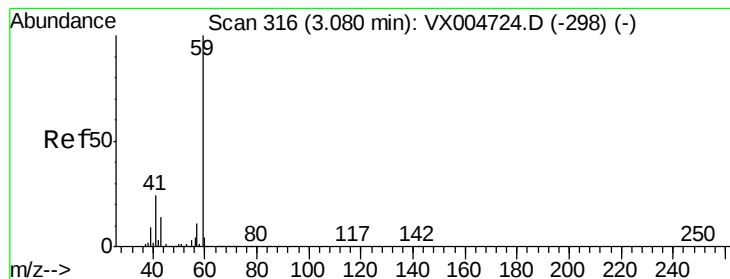
Ion Ratio Lower Upper

101 100

85 54.7 35.9 53.9#

151 89.8 66.6 100.0



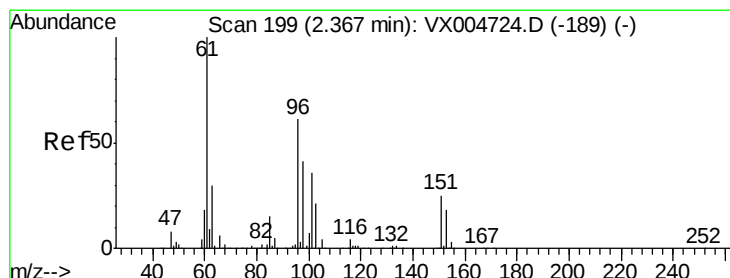
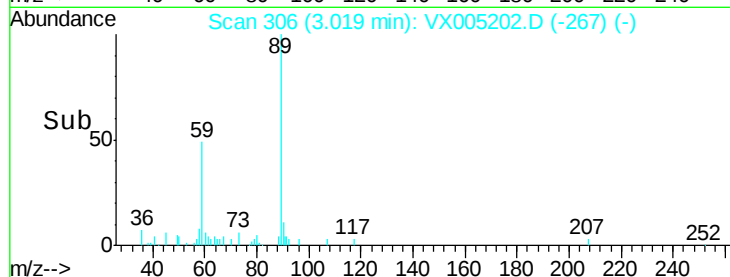
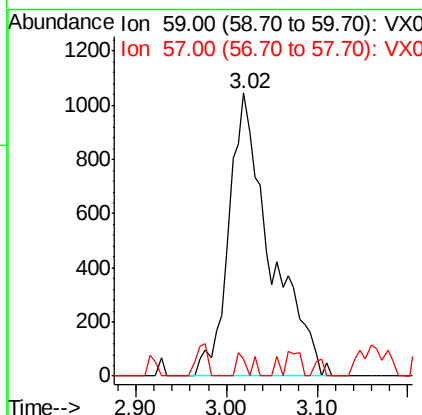
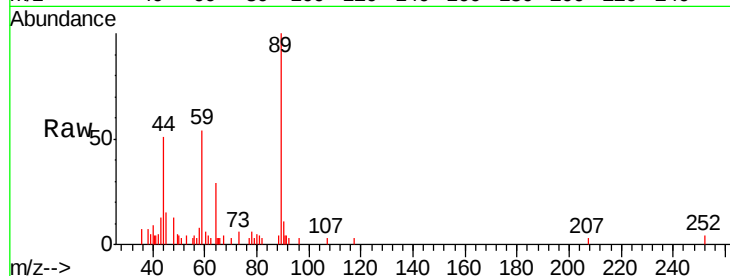


#11

Tert butyl alcohol
 Concen: 4.85 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005202.D
 Acq: 10 Oct 2018 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW516-4044

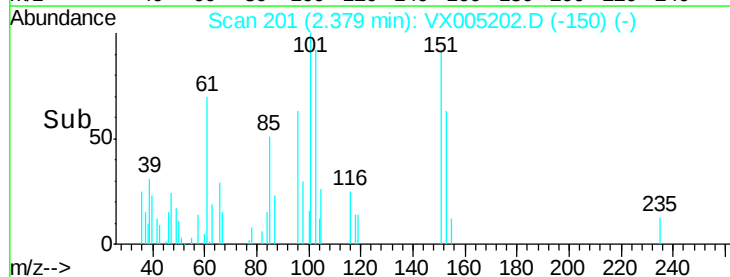
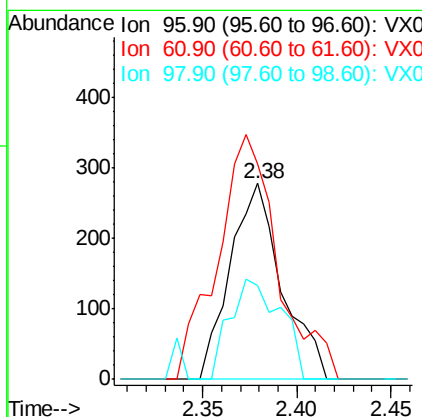
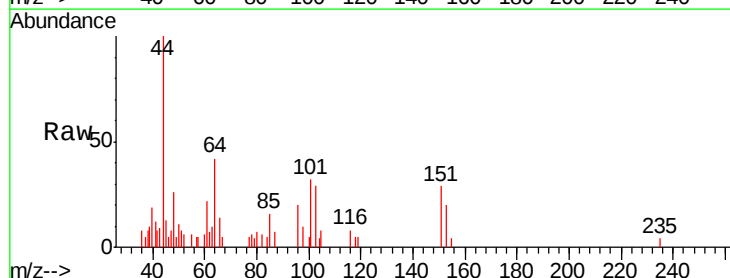
Tgt Ion: 59 Resp: 3321
 Ion Ratio Lower Upper
 59 100
 57 1.7 8.6 12.8#

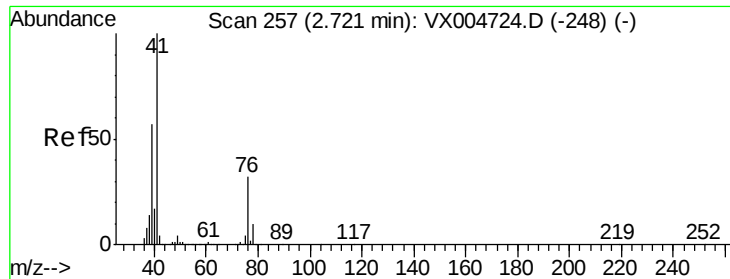


#12

1,1-Dichloroethene
 Concen: 0.28 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. 0.01 min
 Lab File: VX005202.D
 Acq: 10 Oct 2018 11:27

Tgt Ion: 96 Resp: 527
 Ion Ratio Lower Upper
 96 100
 61 110.1 130.2 195.4#
 98 47.5 53.4 80.0#

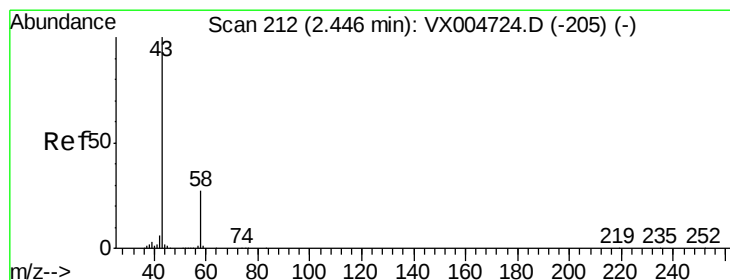
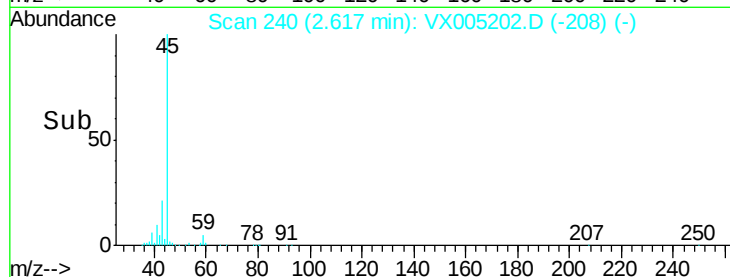
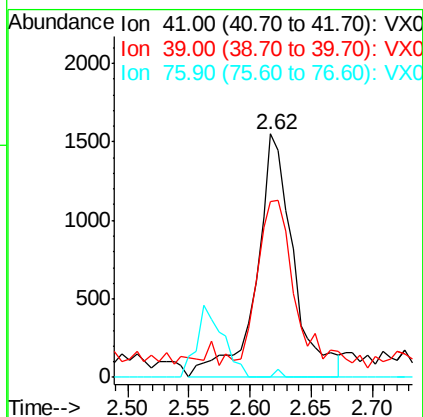
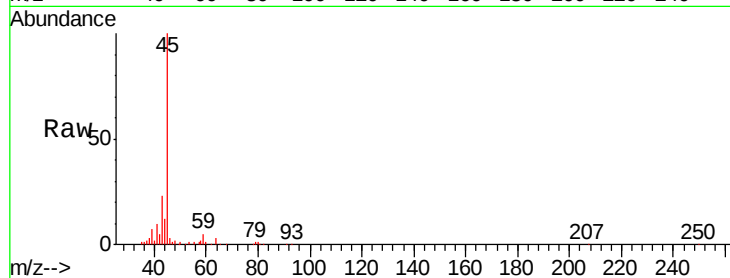




#14
 Allyl chloride
 Concen: 0.81 ug/l
 RT: 2.62 min Scan# 240
 Delta R.T. -0.10 min
 Lab File: VX005202.D
 Acq: 10 Oct 2018 11:27

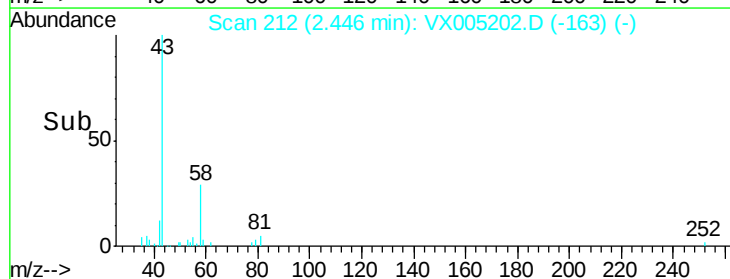
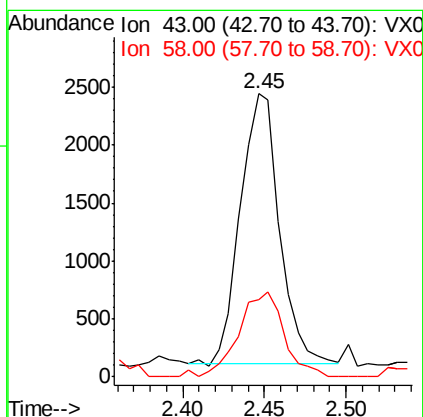
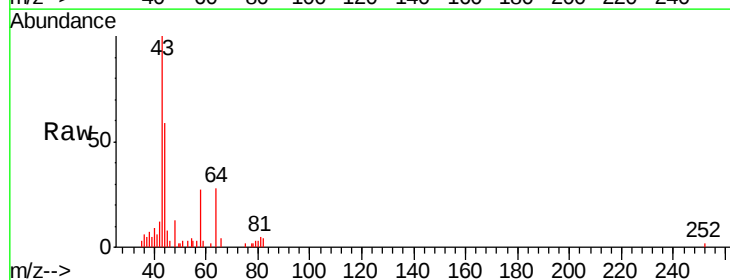
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW516-4044

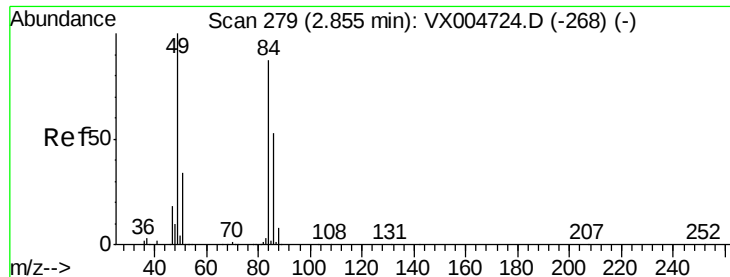
Tgt Ion: 41 Resp: 3267
 Ion Ratio Lower Upper
 41 100
 39 64.5 44.1 66.1
 76 0.0 25.0 37.4#



#16
 Acetone
 Concen: 2.74 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005202.D
 Acq: 10 Oct 2018 11:27

Tgt Ion: 43 Resp: 3914
 Ion Ratio Lower Upper
 43 100
 58 28.4 21.8 32.6

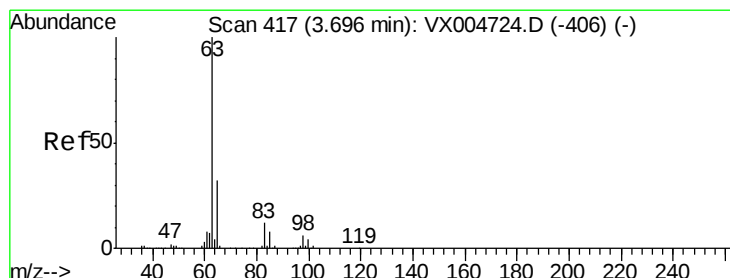
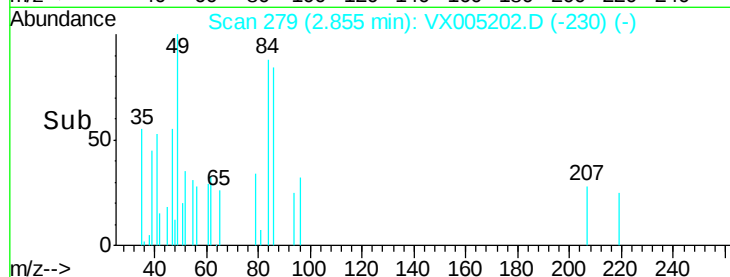
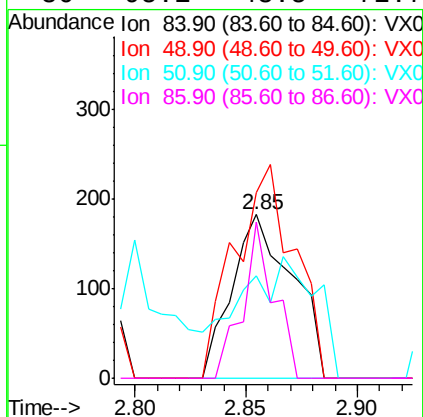
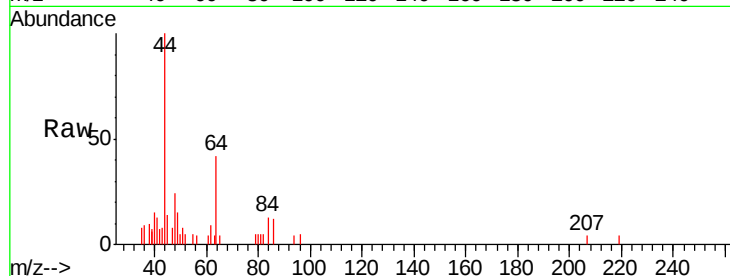




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005202.D
Acq: 10 Oct 2018 11:27

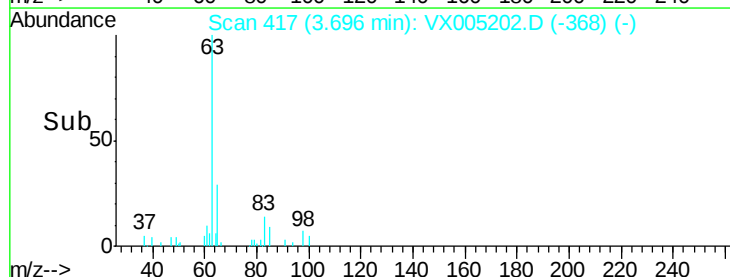
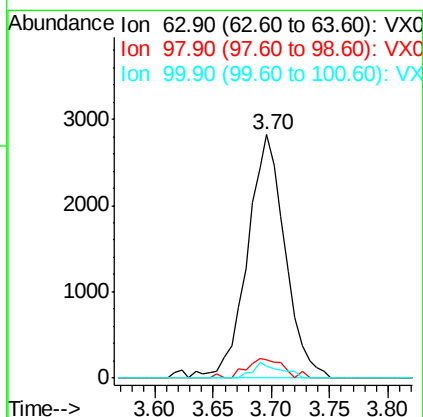
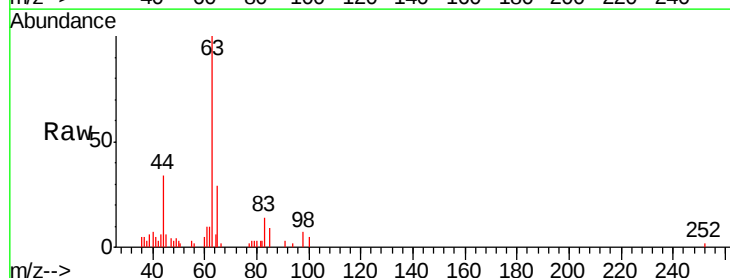
Instrument :
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ClientSampleId :
SA-TW516-4044

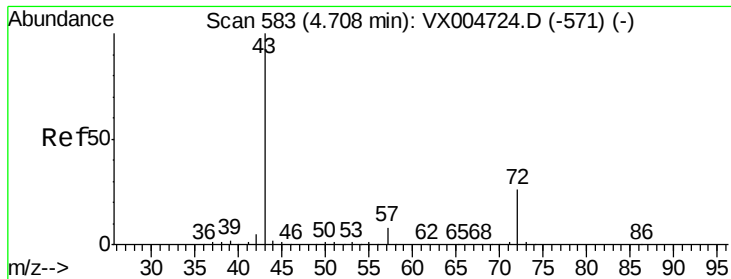
Tgt Ion:	84	Resp:	344
Ion	Ratio	Lower	Upper
84	100		
49	113.7	92.3	138.5
51	62.8	31.8	47.6#
86	95.1	48.5	72.7#



#24
1,1-Dichloroethane
Concen: 1.56 ug/l
RT: 3.70 min Scan# 417
Delta R.T. -0.00 min
Lab File: VX005202.D
Acq: 10 Oct 2018 11:27

Tgt Ion:	63	Resp:	6337
Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.0	9.2
100	5.0	2.0	5.8





#25

2-Butanone

Concen: 0.33 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005202.D

Acq: 10 Oct 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

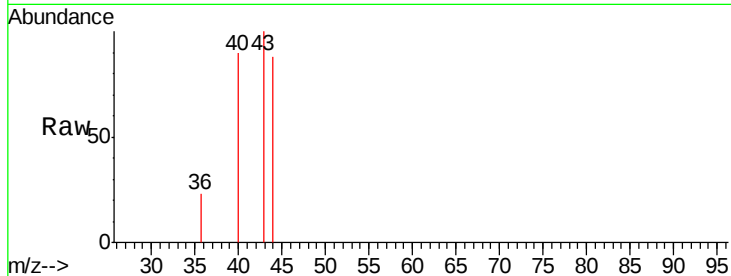
SA-TW516-4044

Tgt Ion: 43 Resp: 692

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250

200

150

100

50

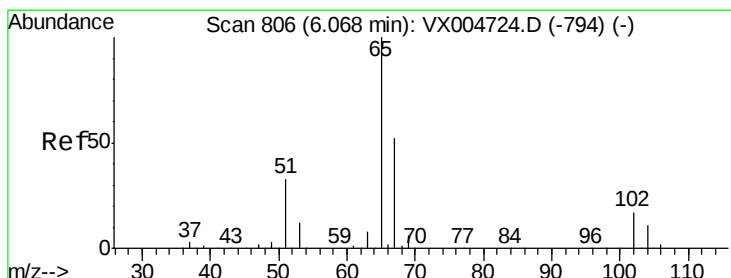
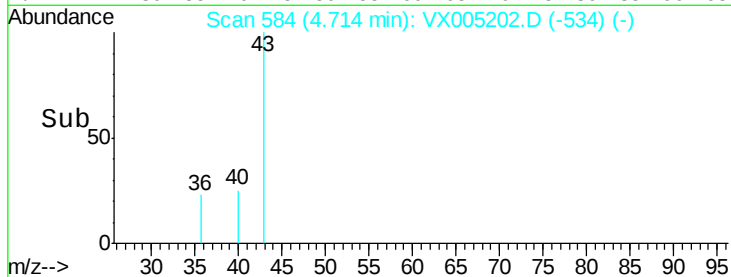
0

4.65

4.70

4.75

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.34 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005202.D

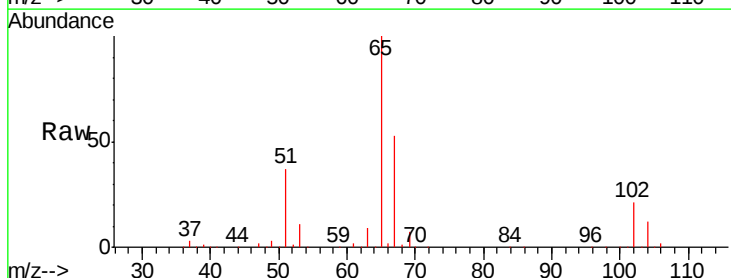
Acq: 10 Oct 2018 11:27

Tgt Ion: 65 Resp: 135403

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

60000

50000

40000

30000

20000

10000

0

5.90

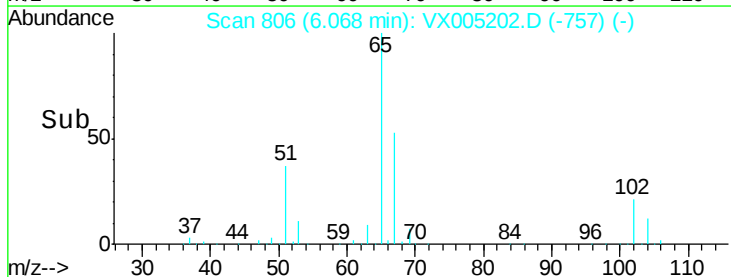
6.00

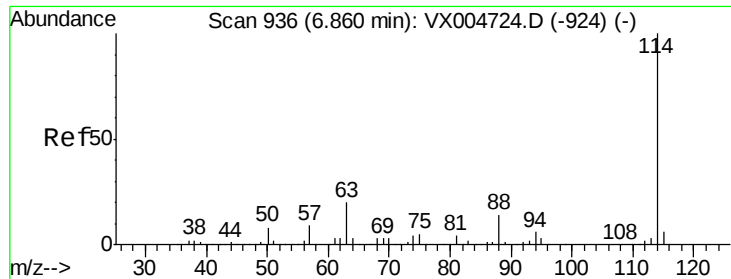
6.10

6.20

6.30

Time-->

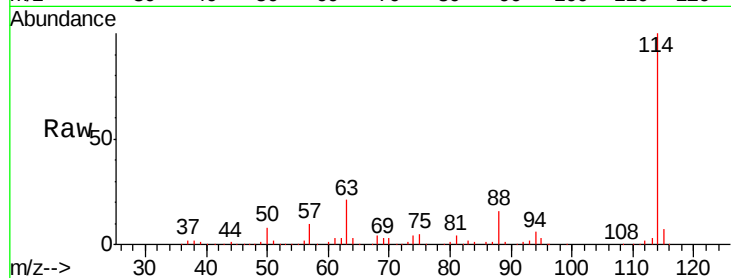




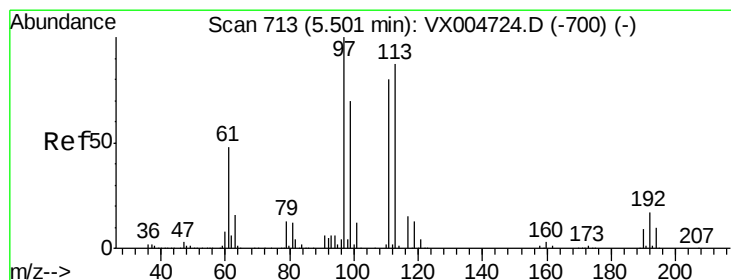
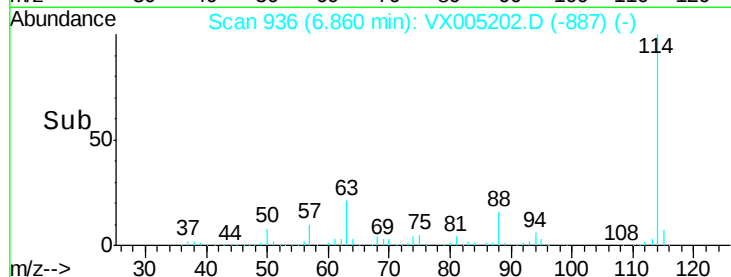
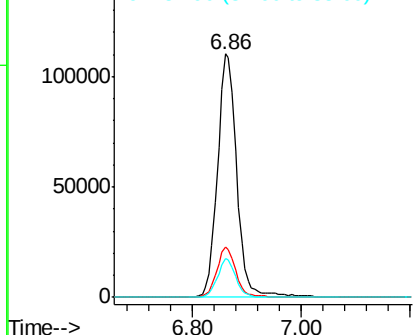
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005202.D
Acq: 10 Oct 2018 11:27

Instrument :
MSVOA_X
ClientSampleId :
SA-TW516-4044

Tgt Ion:114 Resp: 270698
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.8
88 15.7 0.0 27.0

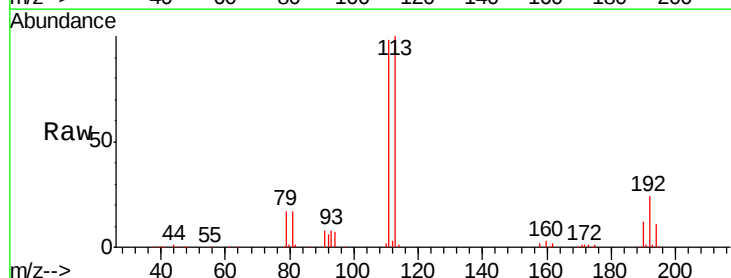


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

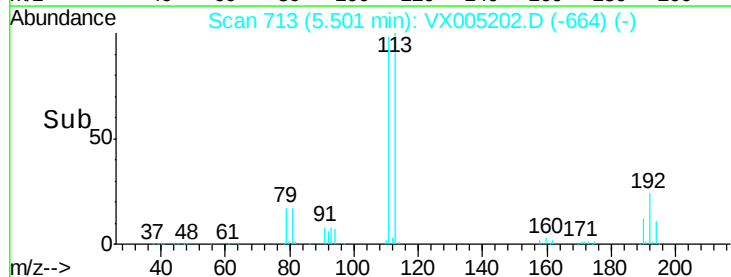
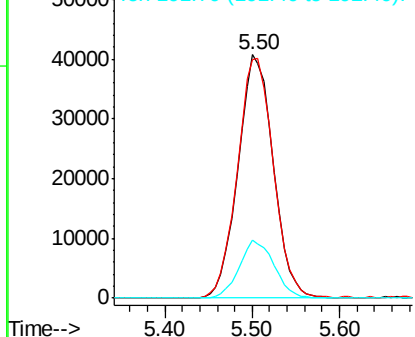


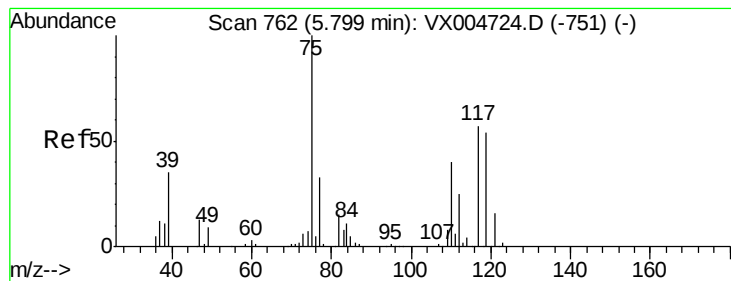
#35
Dibromofluoromethane
Concen: 49.77 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005202.D
Acq: 10 Oct 2018 11:27

Tgt Ion:113 Resp: 114184
Ion Ratio Lower Upper
113 100
111 100.7 77.0 115.4
192 23.5 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: 3.88 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005202.D

Acq: 10 Oct 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

SA-TW516-4044

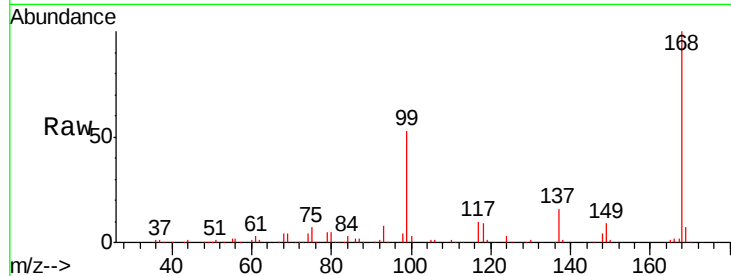
Tgt Ion: 75 Resp: 12137

Ion Ratio Lower Upper

75 100

110 8.6 20.0 59.9#

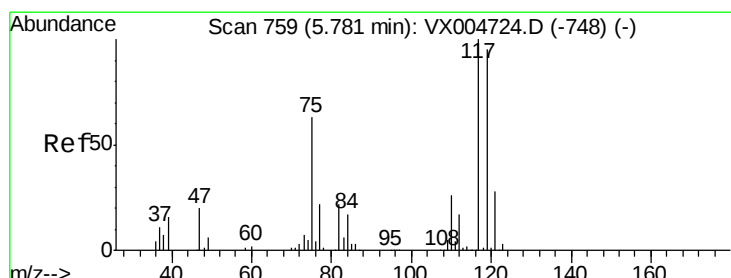
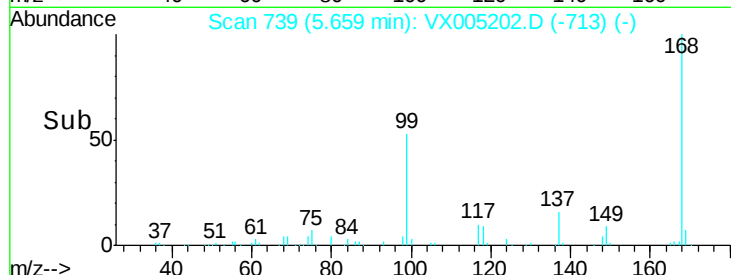
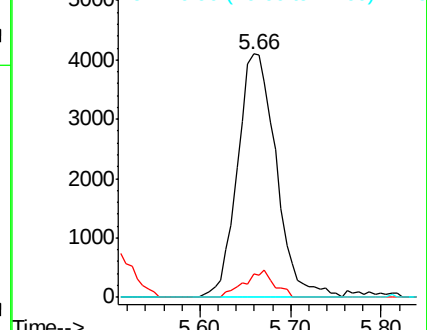
77 0.0 27.1 40.7#



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: 4.68 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005202.D

Acq: 10 Oct 2018 11:27

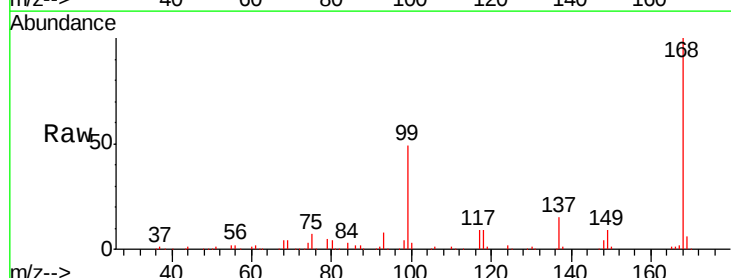
Tgt Ion: 117 Resp: 15405

Ion Ratio Lower Upper

117 100

119 6.5 75.2 112.8#

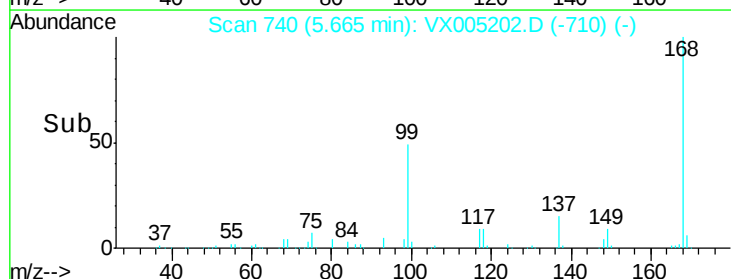
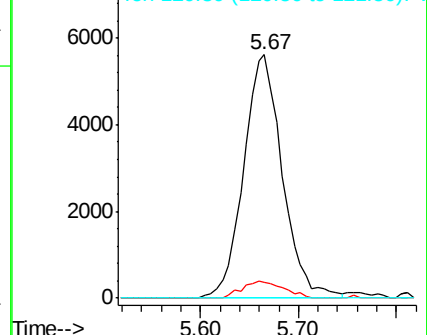
121 0.0 22.5 33.7#

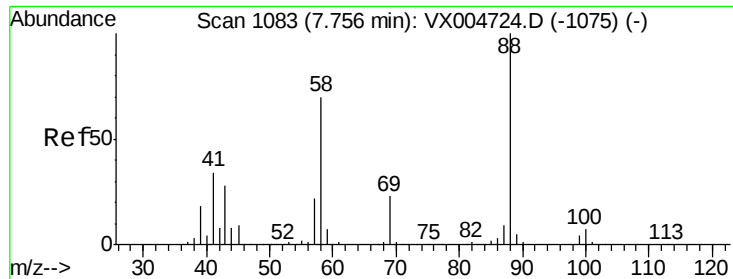


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

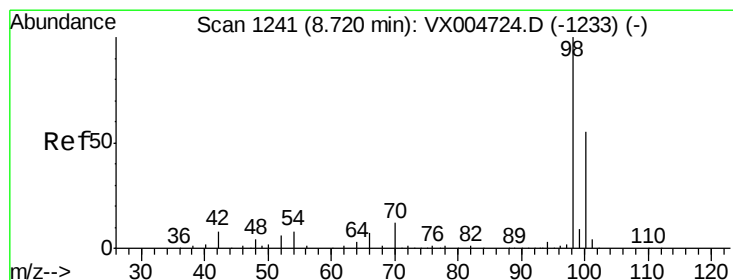
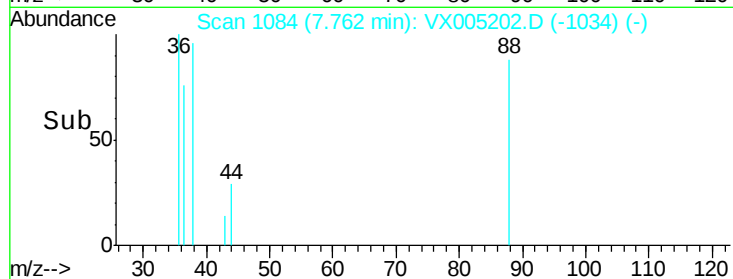
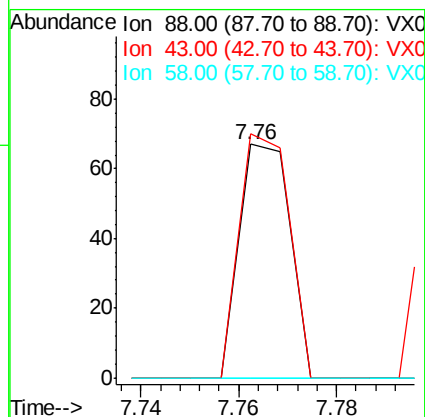
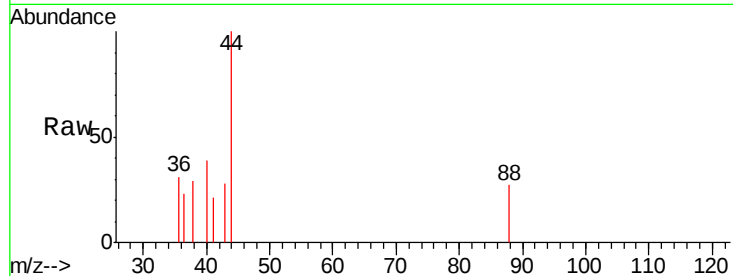




#49
1,4-Dioxane
Concen: 0.71 ug/l
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX005202.D
Acq: 10 Oct 2018 11:27

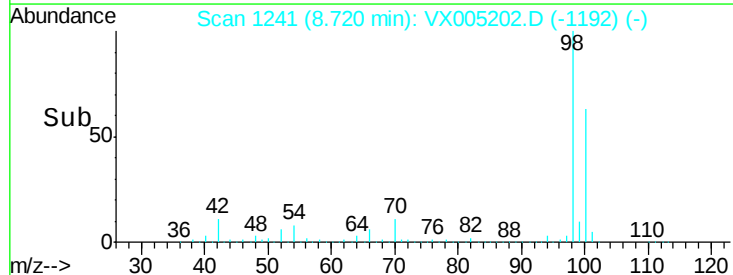
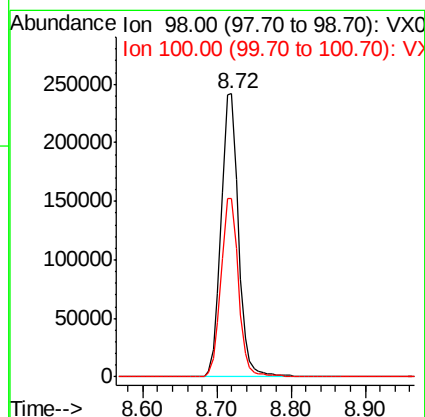
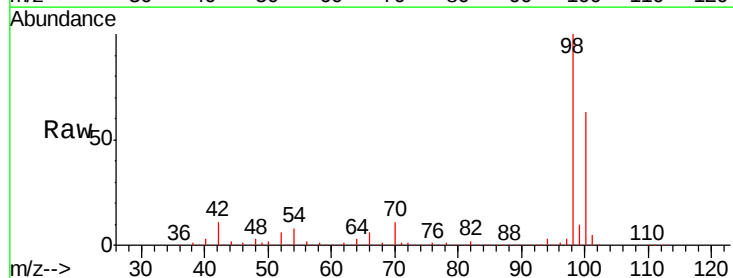
Instrument :
MSVOA_X
ClientSampleId :
SA-TW516-4044

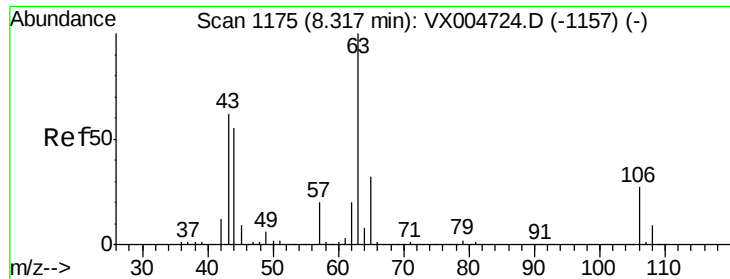
Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 104.2 25.1 37.7#
58 0.0 56.2 84.2#



#50
Toluene-d8
Concen: 51.64 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005202.D
Acq: 10 Oct 2018 11:27

Tgt Ion: 98 Resp: 393875
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9

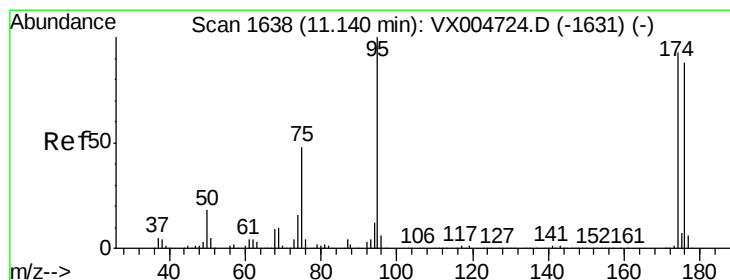
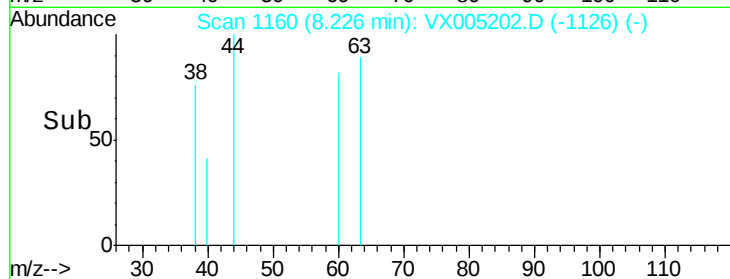
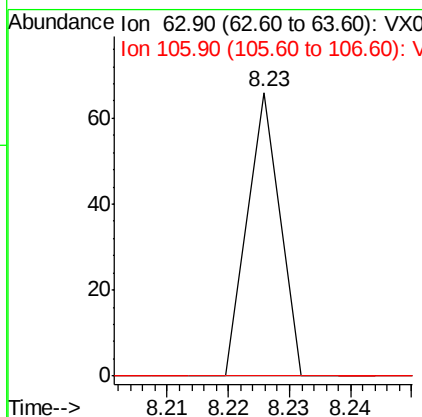
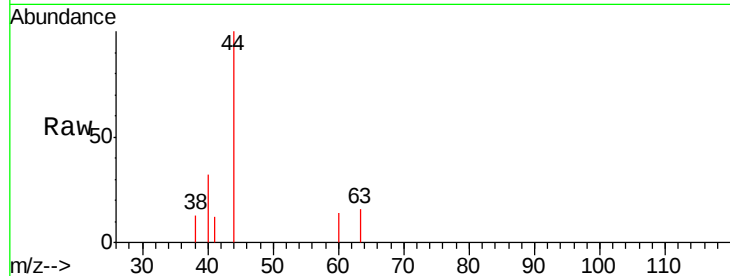




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.25 ug/l
 RT: 8.23 min Scan# 1160
 Delta R.T. -0.09 min
 Lab File: VX005202.D
 Acq: 10 Oct 2018 11:27

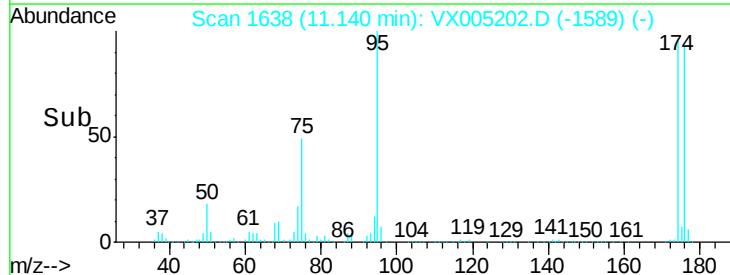
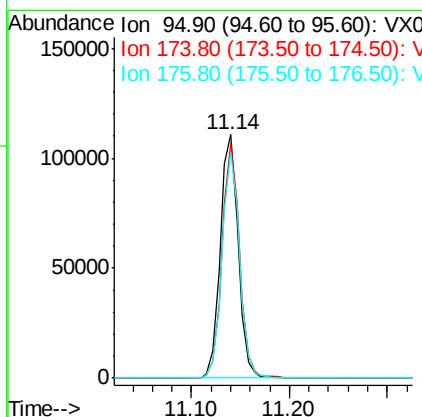
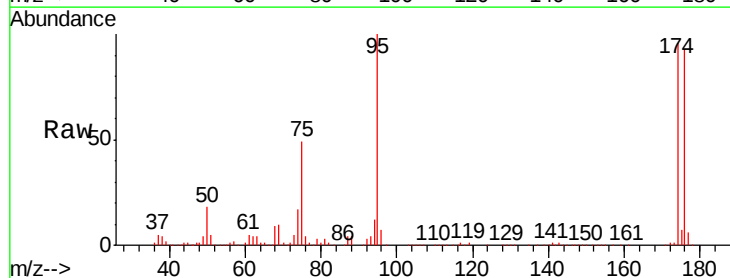
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW516-4044

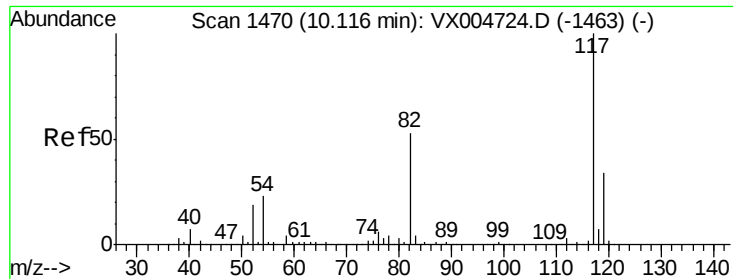
Tgt Ion: 63 Resp: 24
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.0 31.6#



#62
 4-Bromofluorobenzene
 Concen: 51.39 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005202.D
 Acq: 10 Oct 2018 11:27

Tgt Ion: 95 Resp: 141191
 Ion Ratio Lower Upper
 95 100
 174 93.7 0.0 185.0
 176 90.4 0.0 180.2

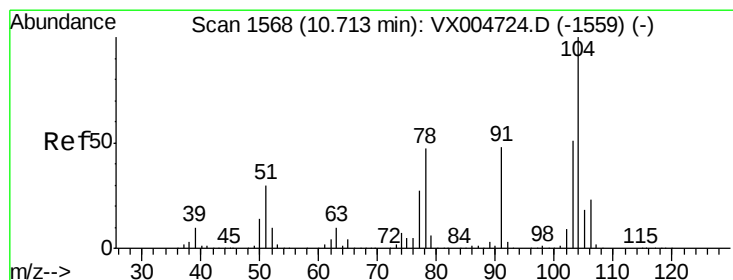
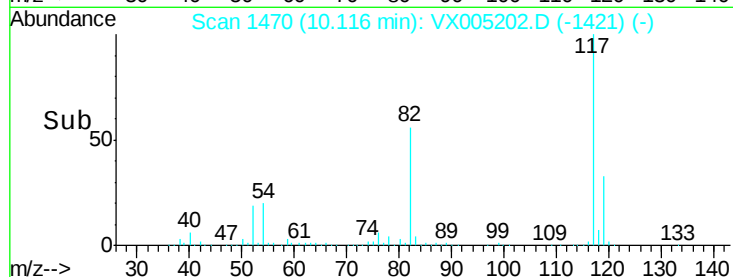
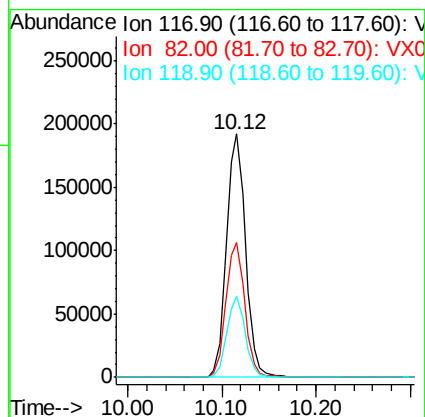
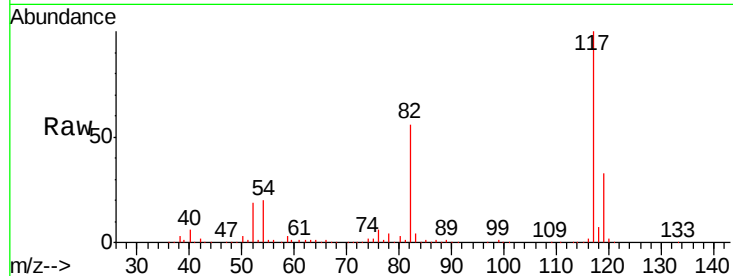




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005202.D
Acq: 10 Oct 2018 11:27

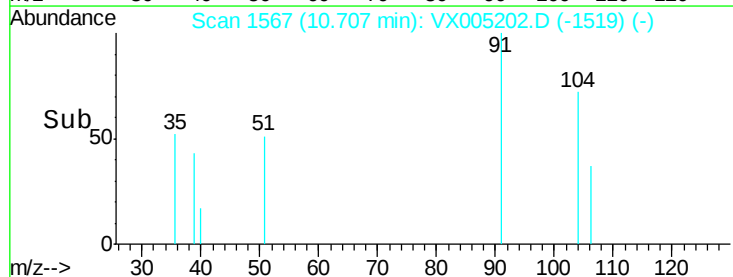
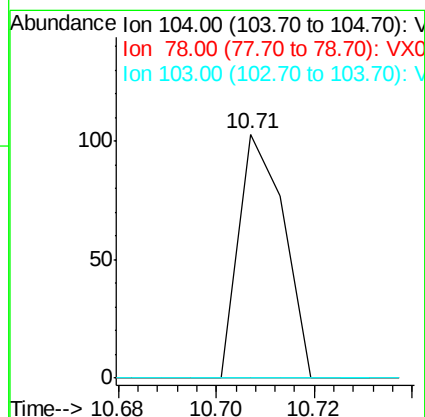
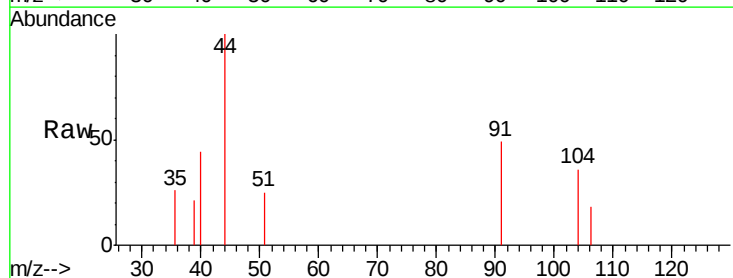
Instrument :
MSVOA_X
ClientSampleId :
SA-TW516-4044

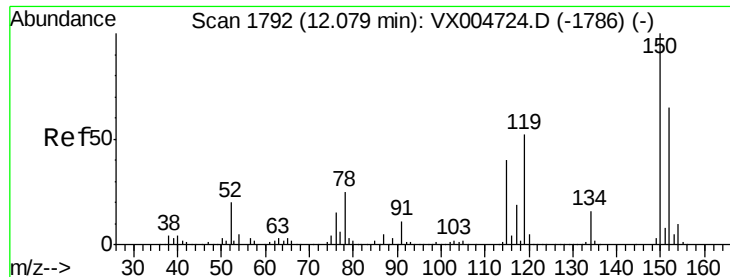
Tgt Ion:117 Resp: 269960
Ion Ratio Lower Upper
117 100
82 55.5 42.2 63.4
119 33.1 27.4 41.0



#70
Styrene
Concen: 2.15 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX005202.D
Acq: 10 Oct 2018 11:27

Tgt Ion:104 Resp: 66
Ion Ratio Lower Upper
104 100
78 0.0 40.0 60.0#
103 0.0 44.3 66.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005202.D

Acq: 10 Oct 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

SA-TW516-4044

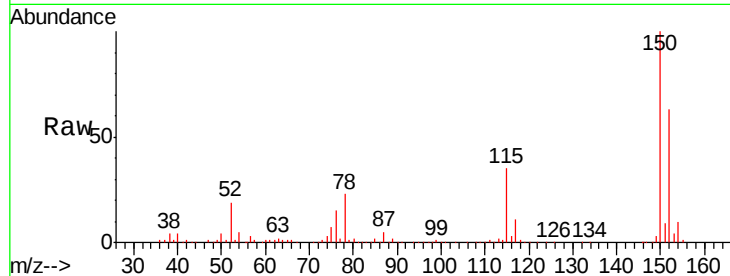
Tgt Ion:152 Resp: 150535

Ion Ratio Lower Upper

152 100

115 54.6 40.2 120.6

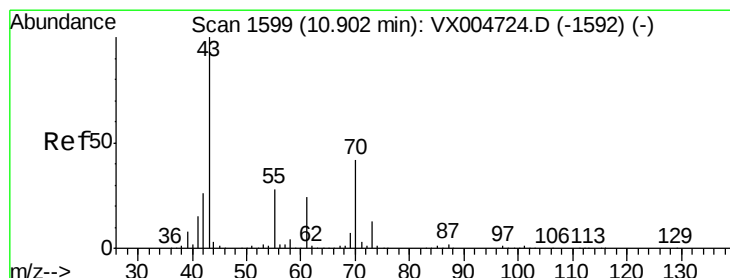
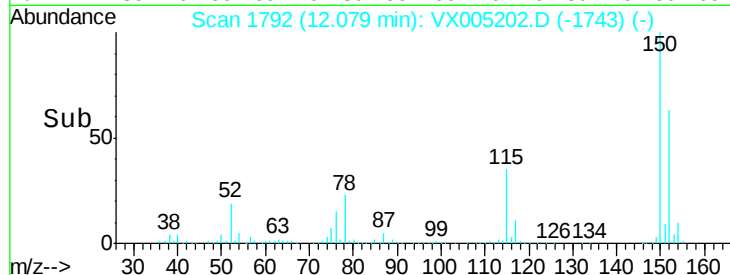
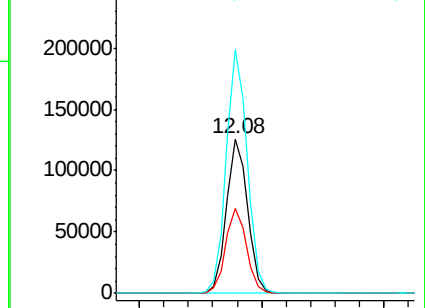
150 157.1 0.0 351.0



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: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005202.D

Acq: 10 Oct 2018 11:27

Tgt Ion: 43 Resp: 118

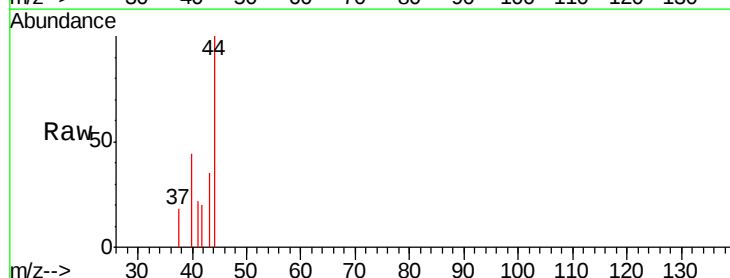
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 22.9 21.6 32.4

61 0.0 19.1 28.7#

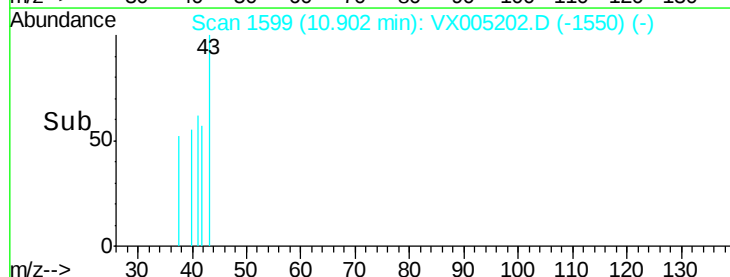
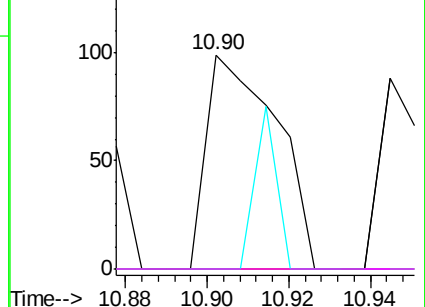


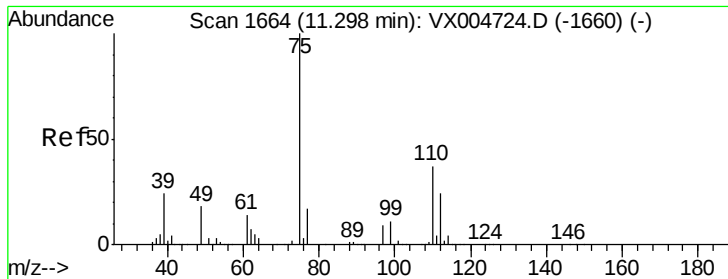
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#76

1,2,3-Trichloropropane

Concen: 20.60 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005202.D

Acq: 10 Oct 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

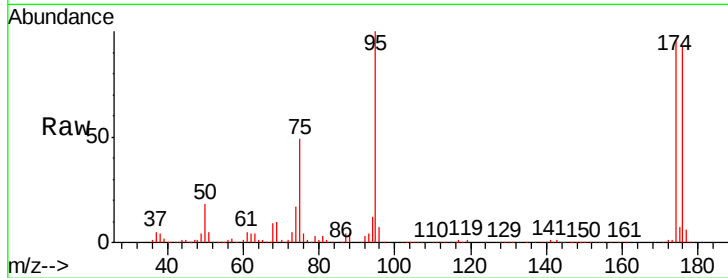
SA-TW516-4044

Tgt Ion: 75 Resp: 69512

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

60000

50000

40000

30000

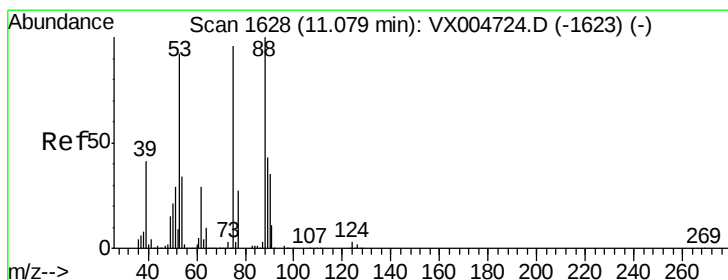
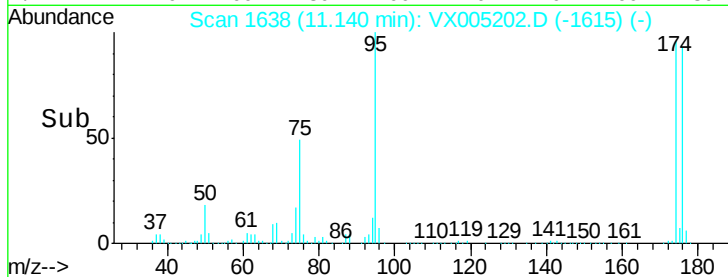
20000

10000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 55.94 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005202.D

Acq: 10 Oct 2018 11:27

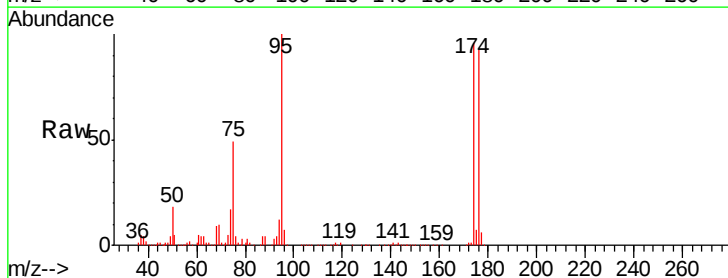
Tgt Ion: 75 Resp: 69512

Ion Ratio Lower Upper

75 100

53 0.4 80.2 120.4#

89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

60000

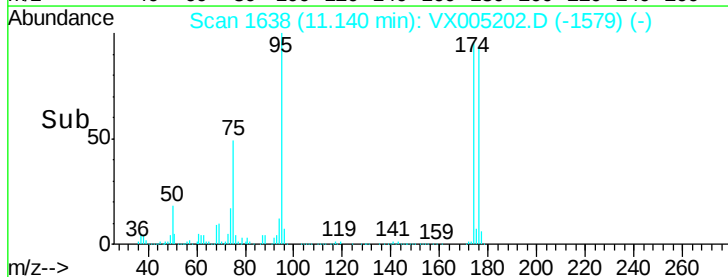
40000

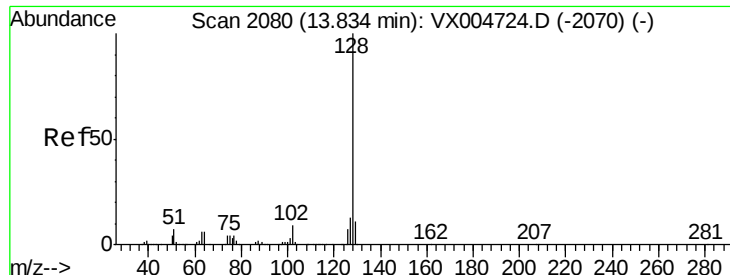
20000

0

11.10 11.20

Time-->





#95

Naphthalene

Concen: 0.75 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005202.D

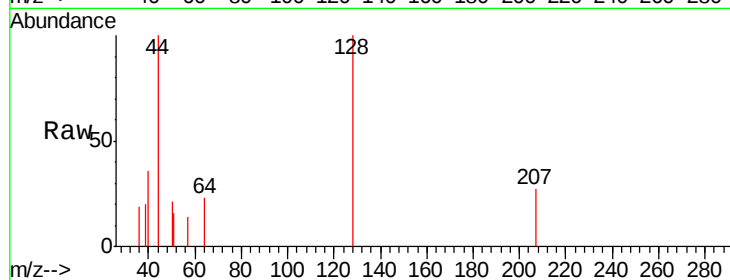
Acq: 10 Oct 2018 11:27

Instrument :

MSVOA_X

ClientSampleId :

SA-TW516-4044



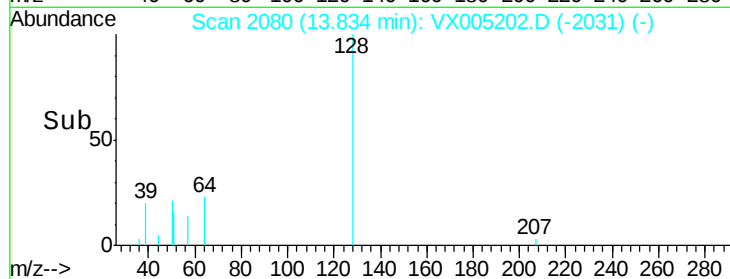
Tgt Ion:128 Resp: 414

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

129 6.5 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.83

400

300

200

100

0

13.80 13.85

Time-->