

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100918\
 Data File : VX005200.D
 Acq On : 10 Oct 2018 10:33
 Operator : JC/MD
 Sample : J5303-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW516-2024

Quant Time: Oct 10 13:56:28 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	175768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	278637	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156867	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	144244	57.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.90%	
35) Dibromofluoromethane	5.50	113	117311	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	8.72	98	405090	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	11.14	95	145849	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

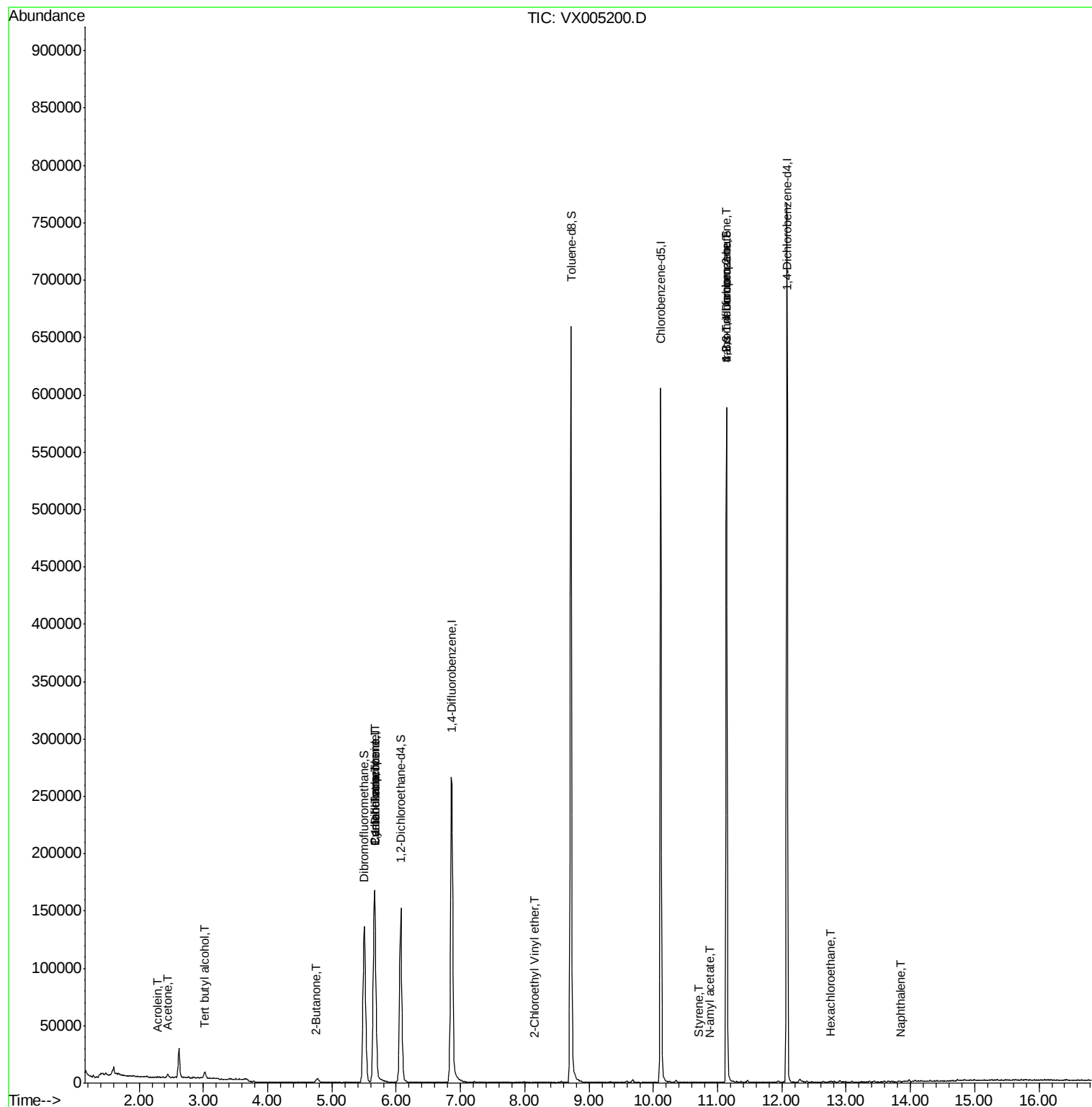
Target Compounds						Qvalue
6) Chloroethane	1.72	64	936	Below Cal	#	45
11) Tert butyl alcohol	3.02	59	3886	5.54	ug/l #	76
13) Acrolein	2.29	56	138	0.28	ug/l #	54
16) Acetone	2.45	43	2812	1.92	ug/l	95
20) Methylene Chloride	2.85	84	148	Below Cal	#	44
25) 2-Butanone	4.75	43	525	0.24	ug/l #	49
31) Cyclohexane	5.67	56	3288	1.03	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	12244	3.80	ug/l #	46
38) Carbon Tetrachloride	5.67	117	15702	4.64	ug/l #	18
58) 2-Chloroethyl Vinyl ether	8.16	63	21	14.25	ug/l #	49
70) Styrene	10.72	104	20	2.14	ug/l #	37
74) N-amyl acetate	10.89	43	72	1.76	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	72519	20.63	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	42	Below Cal	#	29
81) trans-1,4-Dichloro-2-buten	11.14	75	72519	56.01	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.82	105	334	Below Cal	#	59
90) Hexachloroethane	12.76	117	372	0.25	ug/l #	1
95) Naphthalene	13.83	128	332	0.74	ug/l #	69

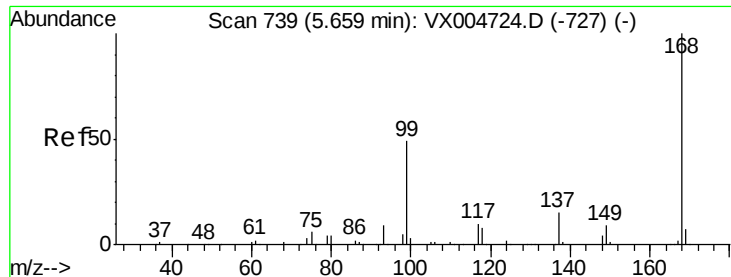
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005200.D

Acq: 10 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

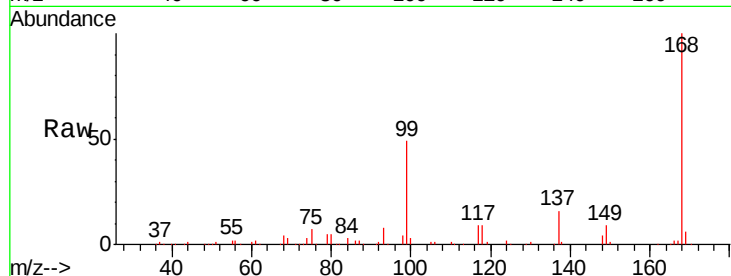
SA-TW516-2024

Tgt Ion:168 Resp: 175768

Ion Ratio Lower Upper

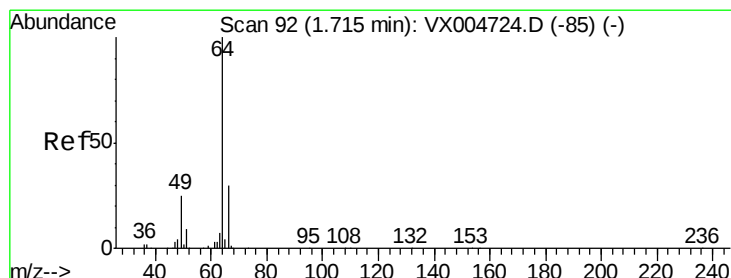
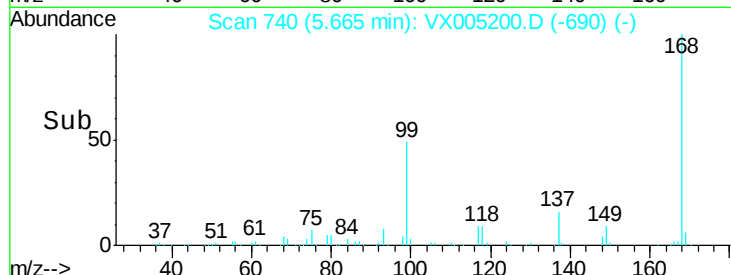
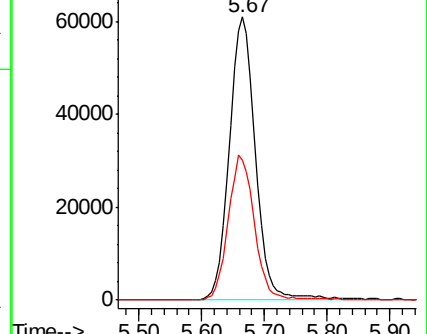
168 100

99 49.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005200.D

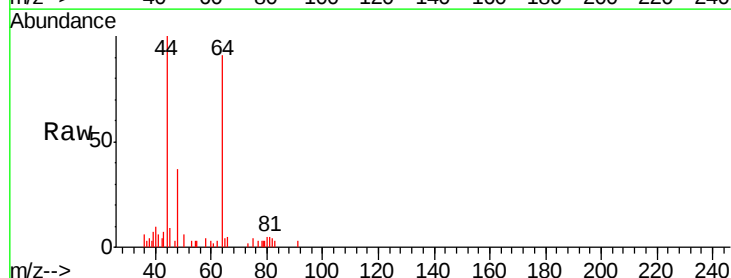
Acq: 10 Oct 2018 10:33

Tgt Ion: 64 Resp: 936

Ion Ratio Lower Upper

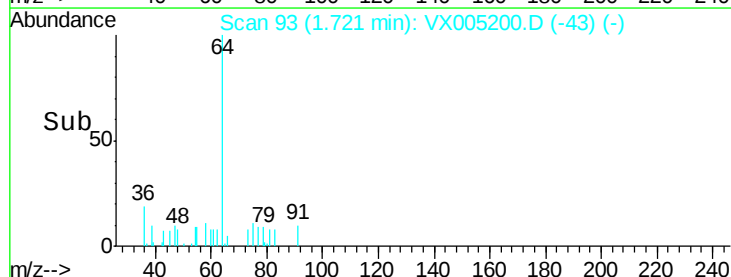
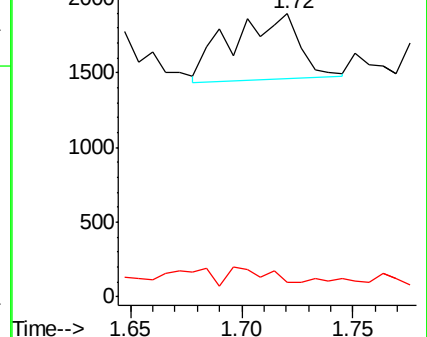
64 100

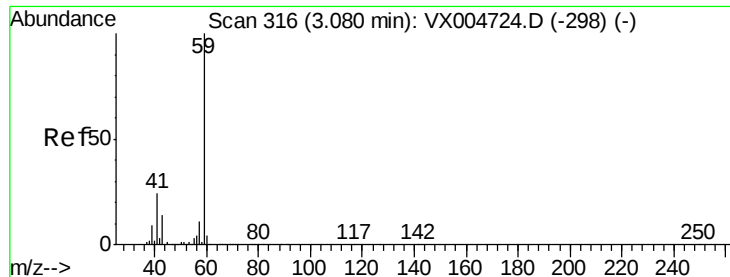
66 0.0 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

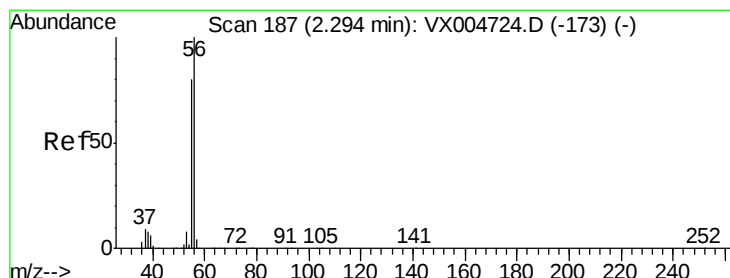
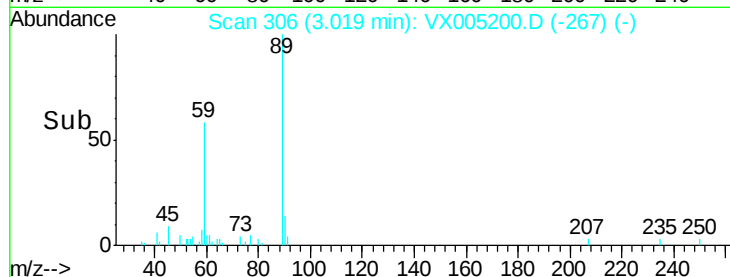
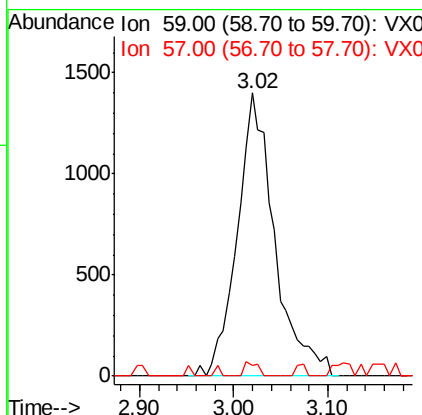
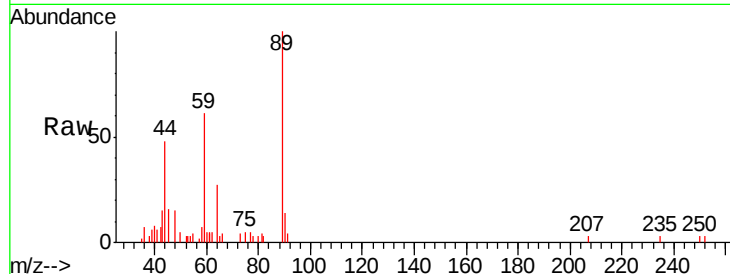




#11
Tert butyl alcohol
Concen: 5.54 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005200.D
Acq: 10 Oct 2018 10:33

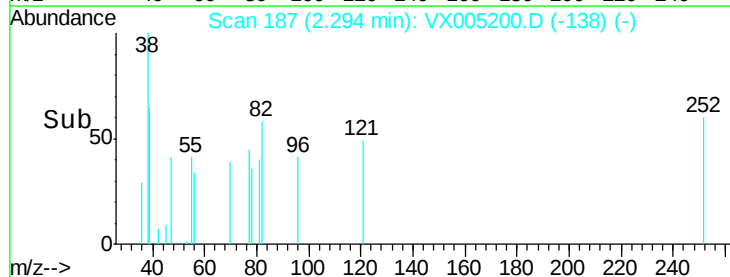
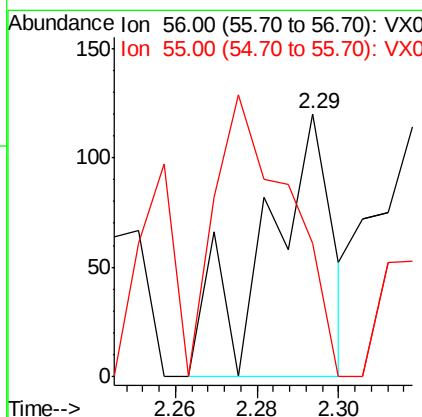
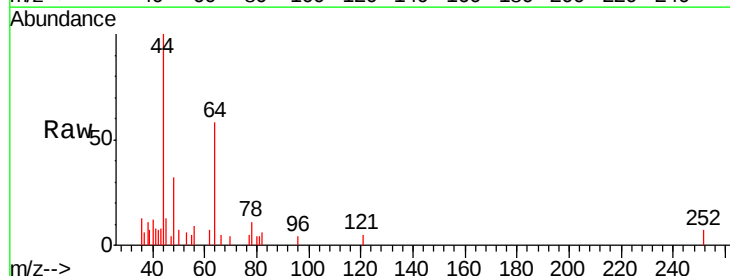
Instrument :
MSVOA_X
ClientSampleId :
SA-TW516-2024

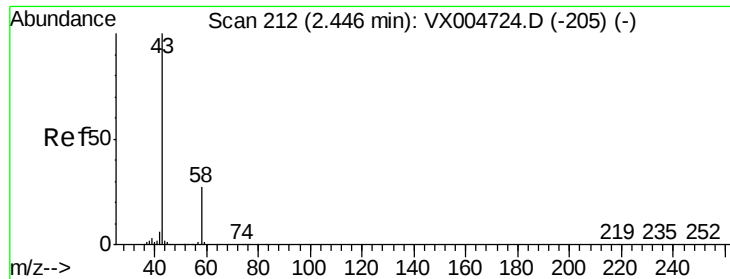
Tgt Ion: 59 Resp: 3886
Ion Ratio Lower Upper
59 100
57 1.7 8.6 12.8#



#13
Acrolein
Concen: 0.28 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005200.D
Acq: 10 Oct 2018 10:33

Tgt Ion: 56 Resp: 138
Ion Ratio Lower Upper
56 100
55 119.6 63.4 95.2#





#16

Acetone

Concen: 1.92 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005200.D

Acq: 10 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

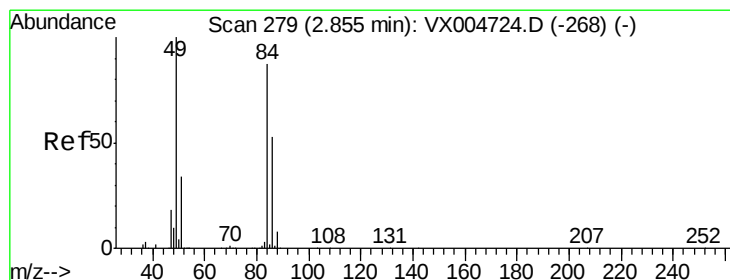
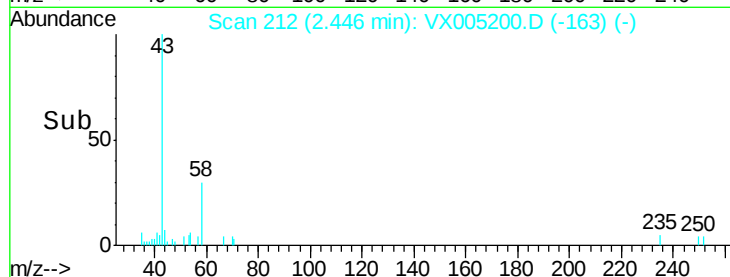
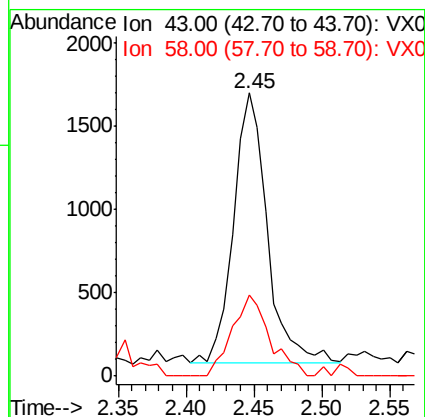
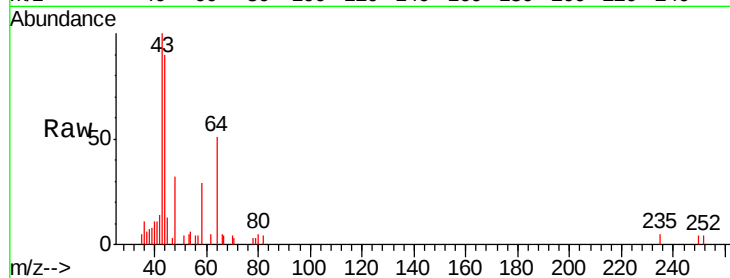
SA-TW516-2024

Tgt Ion: 43 Resp: 2812

Ion Ratio Lower Upper

43 100

58 29.9 21.8 32.6



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX005200.D

Acq: 10 Oct 2018 10:33

Tgt Ion: 84 Resp: 148

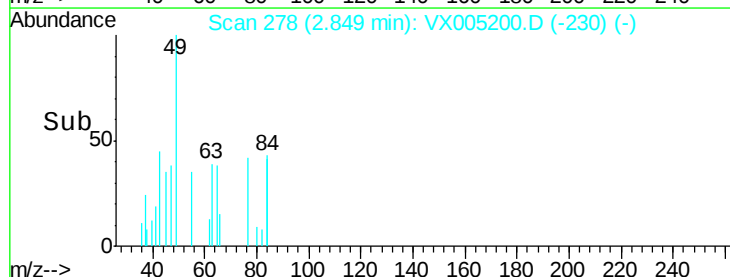
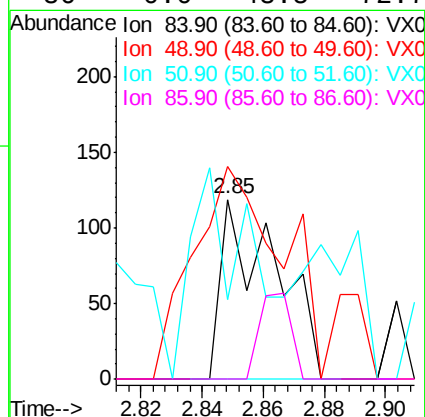
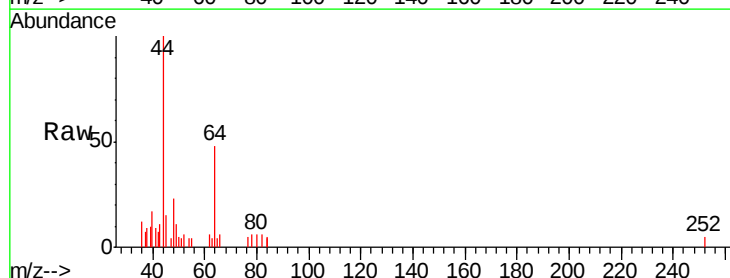
Ion Ratio Lower Upper

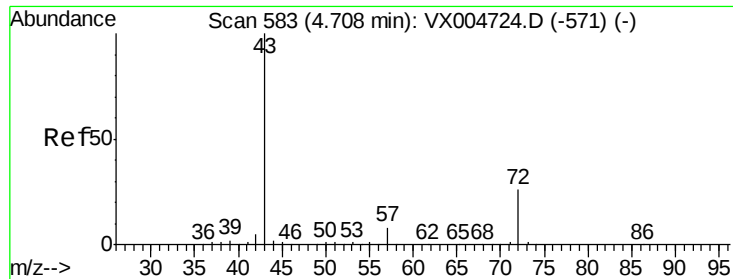
84 100

49 71.4 92.3 138.5#

51 0.0 31.8 47.6#

86 0.0 48.5 72.7#





#25

2-Butanone

Concen: 0.24 ug/l

RT: 4.75 min Scan# 590

Delta R.T. 0.04 min

Lab File: VX005200.D

Acq: 10 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

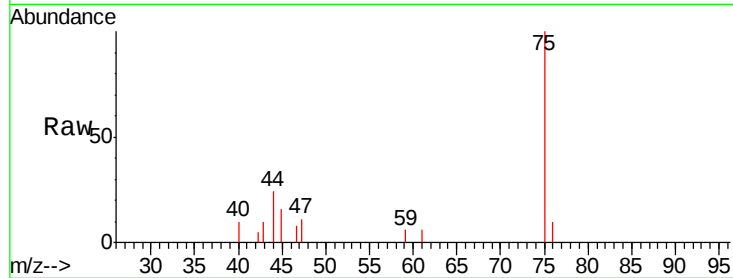
SA-TW516-2024

Tgt Ion: 43 Resp: 525

Ion Ratio Lower Upper

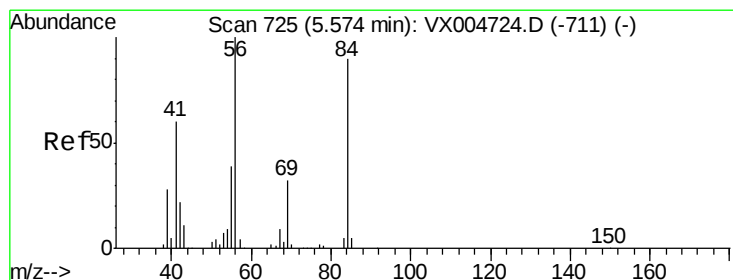
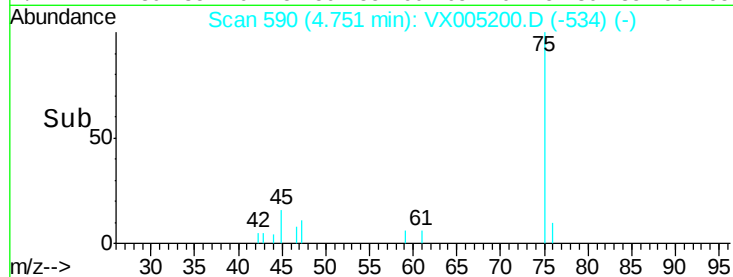
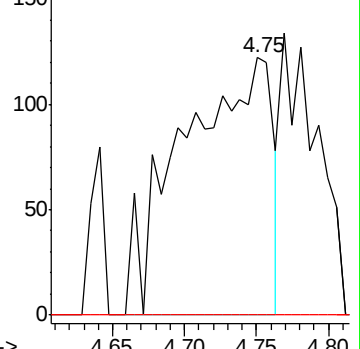
43 100

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



#31

Cyclohexane

Concen: 1.03 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005200.D

Acq: 10 Oct 2018 10:33

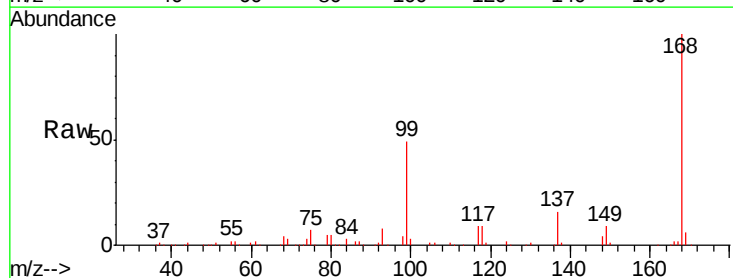
Tgt Ion: 56 Resp: 3288

Ion Ratio Lower Upper

56 100

69 172.3 25.9 38.9#

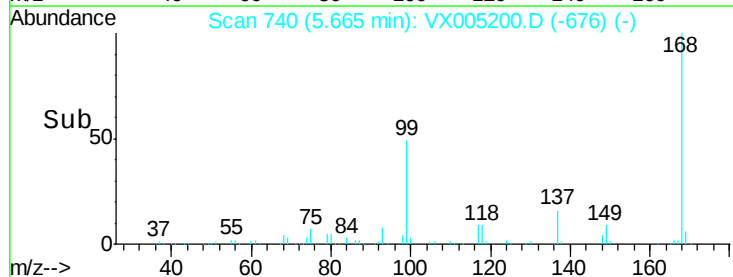
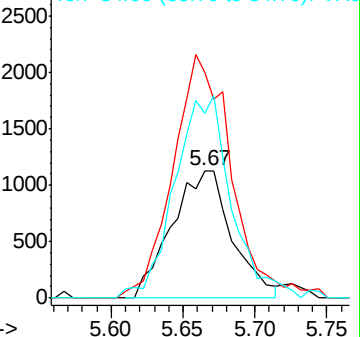
84 138.8 71.9 107.9#

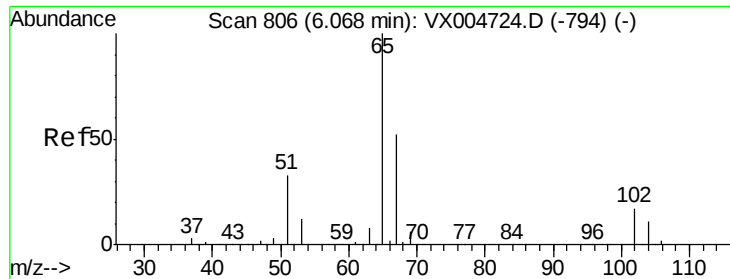


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

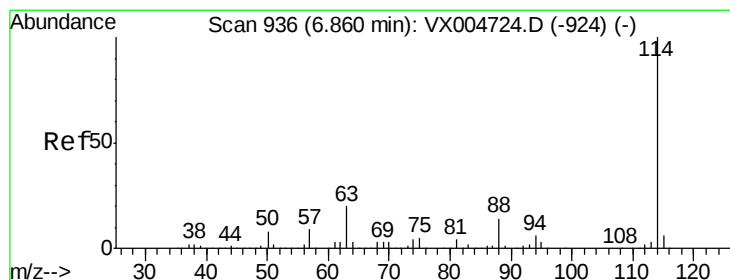
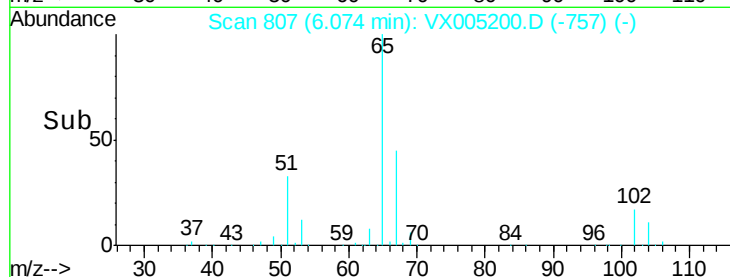
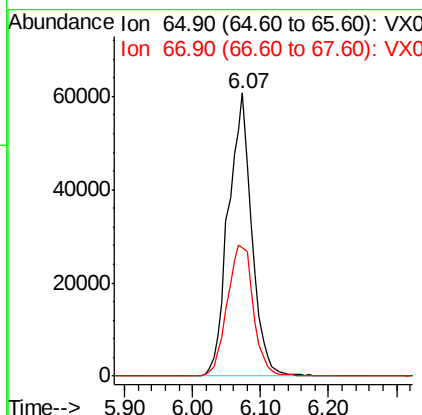
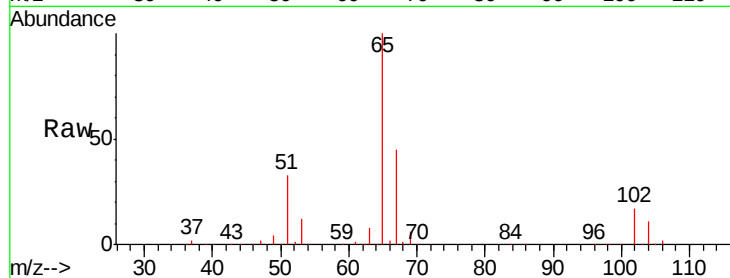




#33
 1,2-Dichloroethane-d4
 Concen: 57.45 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX005200.D
 Acq: 10 Oct 2018 10:33

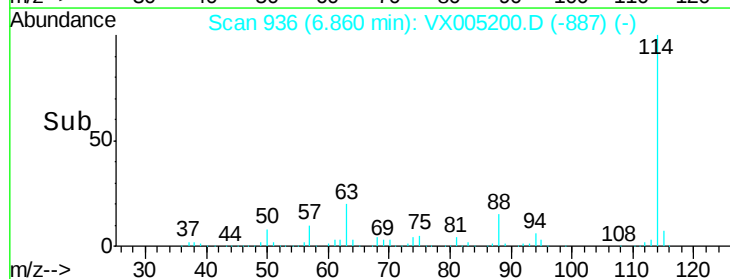
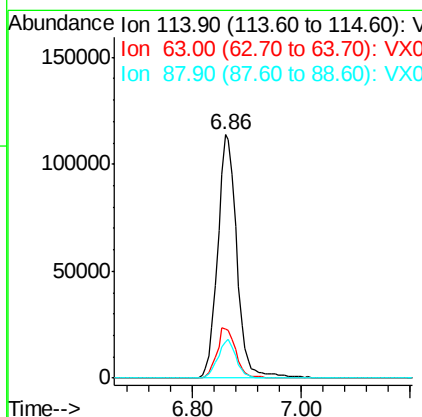
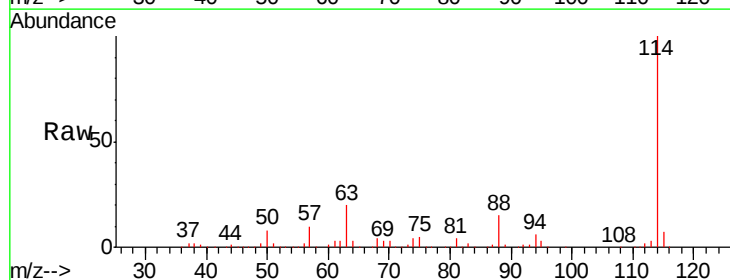
Instrument :
 MSVOA_X
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 SA-TW516-2024

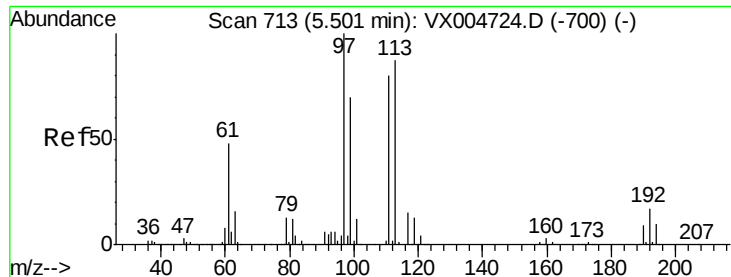
Tgt Ion: 65 Resp: 144244
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005200.D
 Acq: 10 Oct 2018 10:33

Tgt Ion: 114 Resp: 278637
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 14.8 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.68 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005200.D

Acq: 10 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

SA-TW516-2024

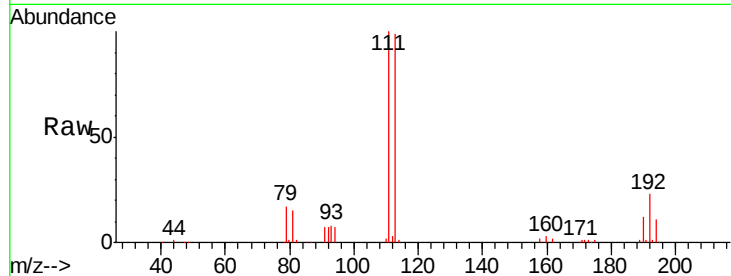
Tgt Ion:113 Resp: 117311

Ion Ratio Lower Upper

113 100

111 101.1 77.0 115.4

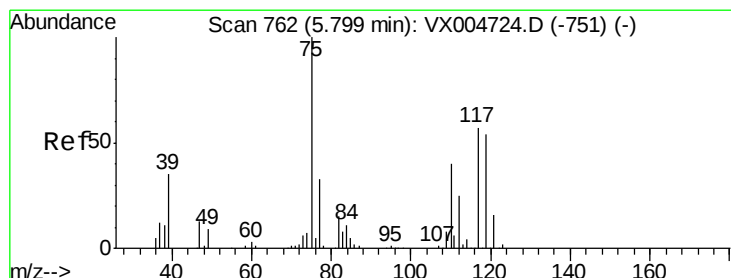
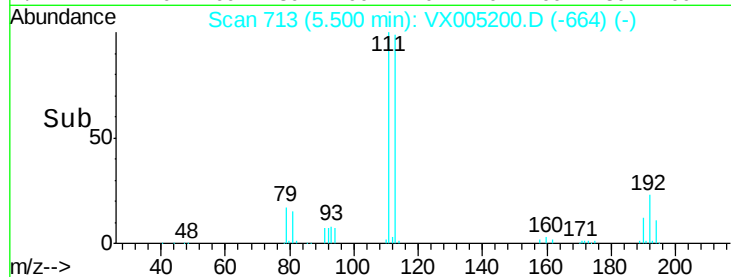
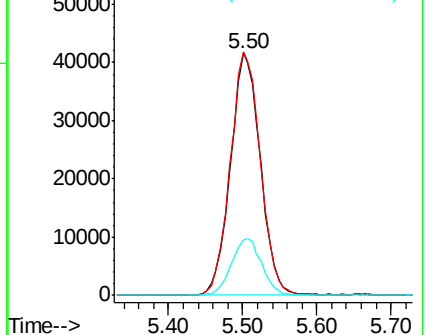
192 23.8 17.0 25.6



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: 3.80 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005200.D

Acq: 10 Oct 2018 10:33

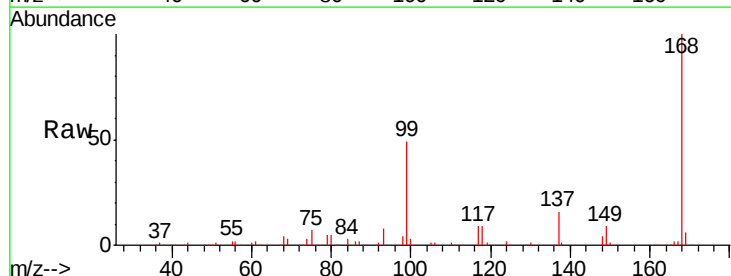
Tgt Ion: 75 Resp: 12244

Ion Ratio Lower Upper

75 100

110 9.0 20.0 59.9#

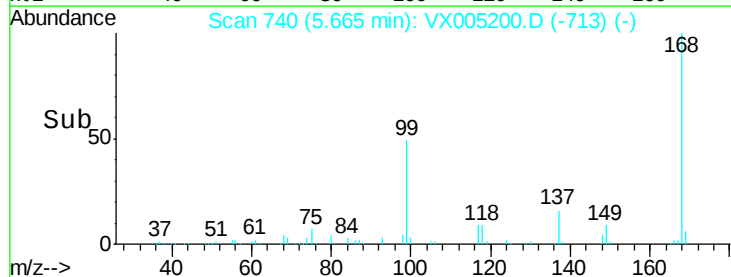
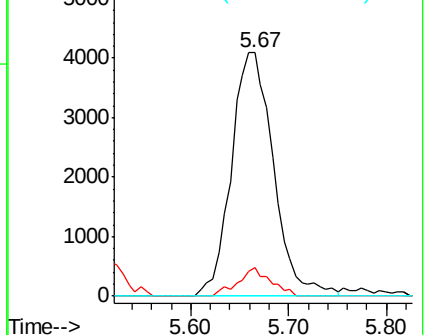
77 0.0 27.1 40.7#

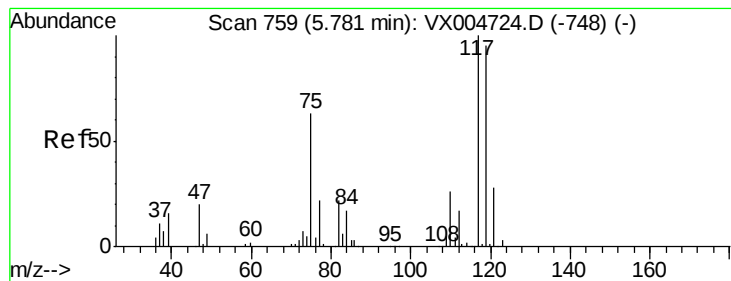


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.64 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005200.D

Acq: 10 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

SA-TW516-2024

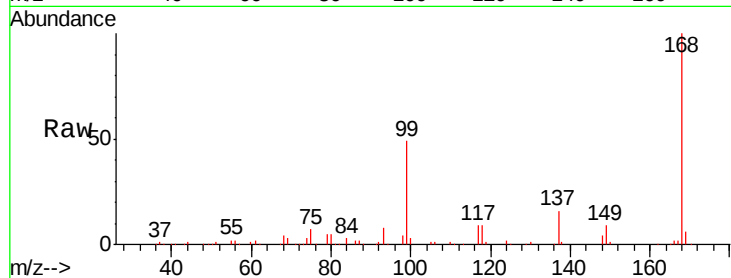
Tgt Ion:117 Resp: 15702

Ion Ratio Lower Upper

117 100

119 7.1 75.2 112.8#

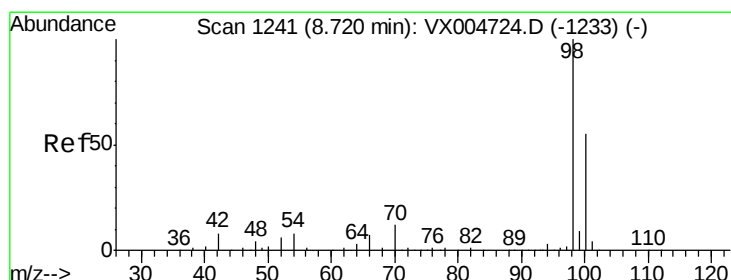
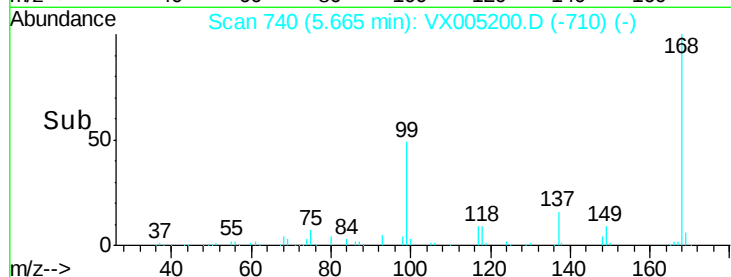
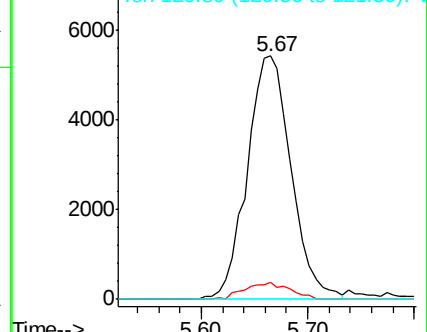
121 0.0 22.5 33.7#



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: 51.60 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005200.D

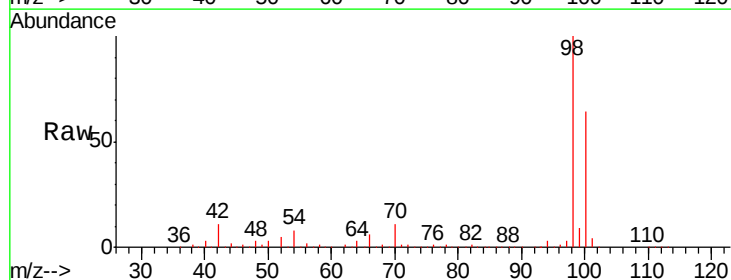
Acq: 10 Oct 2018 10:33

Tgt Ion: 98 Resp: 405090

Ion Ratio Lower Upper

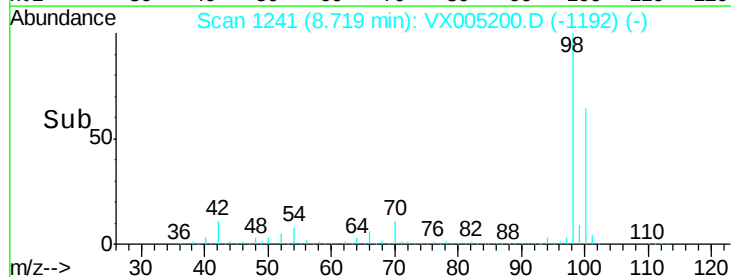
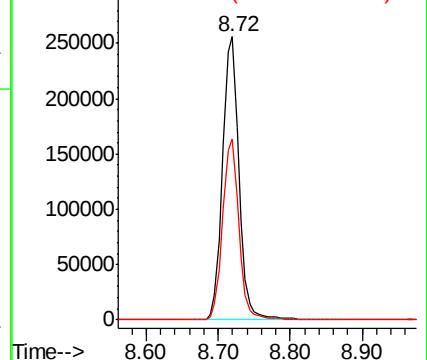
98 100

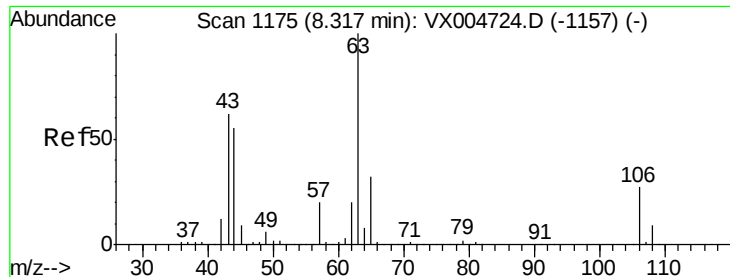
100 63.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

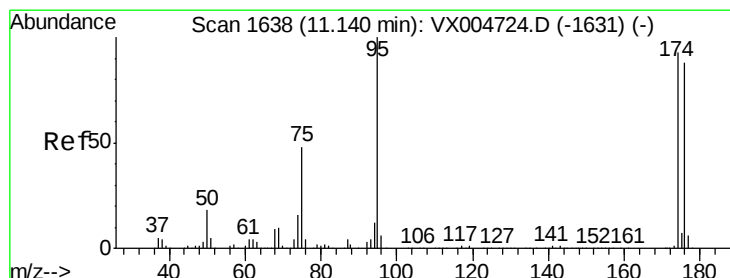
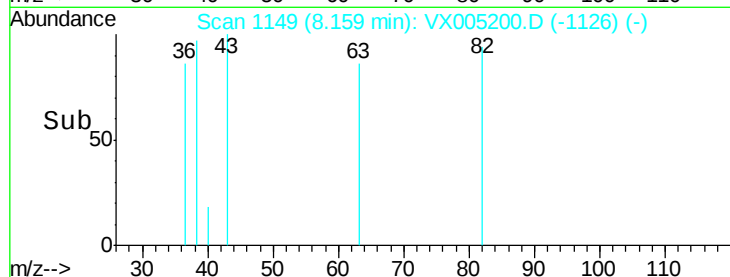
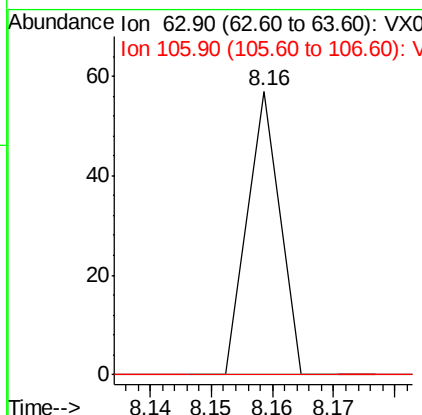
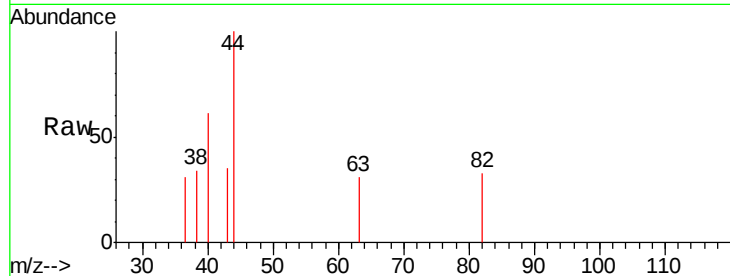




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.25 ug/l
 RT: 8.16 min Scan# 1149
 Delta R.T. -0.16 min
 Lab File: VX005200.D
 Acq: 10 Oct 2018 10:33

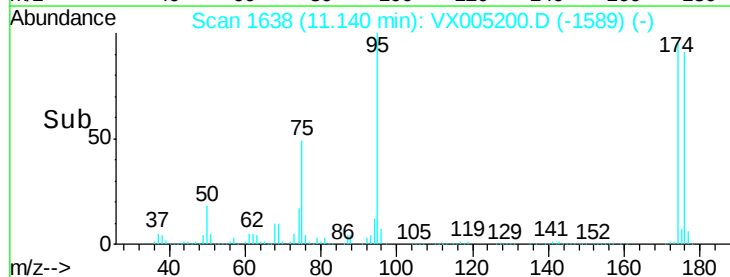
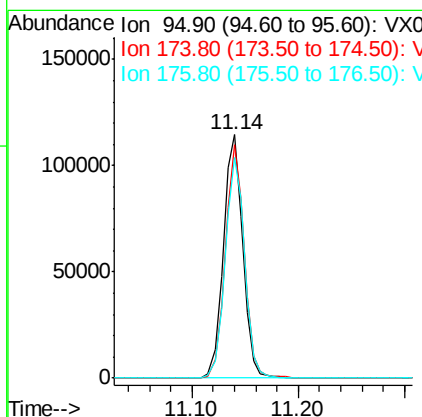
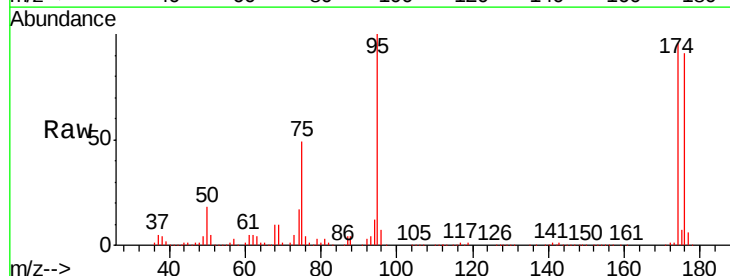
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW516-2024

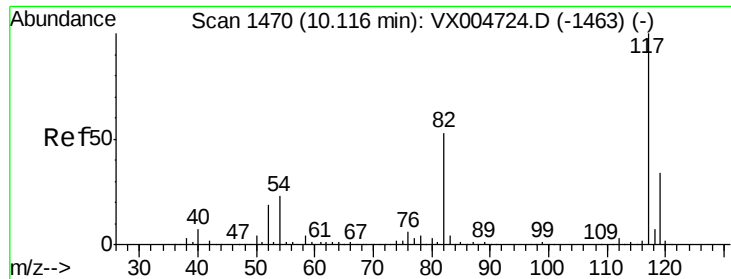
Tgt Ion: 63 Resp: 21
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.0 31.6#



#62
 4-Bromofluorobenzene
 Concen: 51.57 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005200.D
 Acq: 10 Oct 2018 10:33

Tgt Ion: 95 Resp: 145849
 Ion Ratio Lower Upper
 95 100
 174 94.2 0.0 185.0
 176 91.0 0.0 180.2

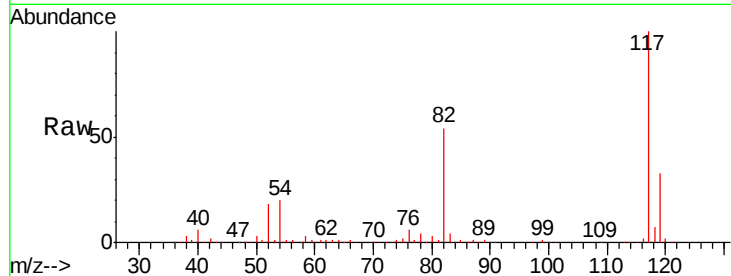




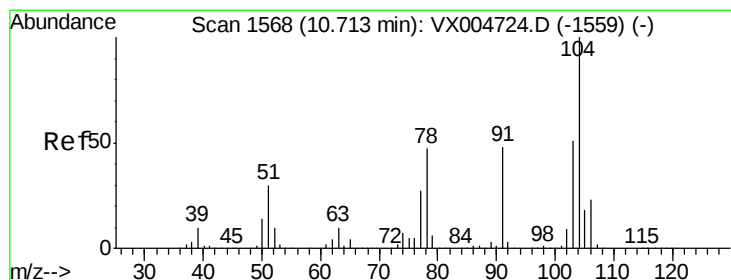
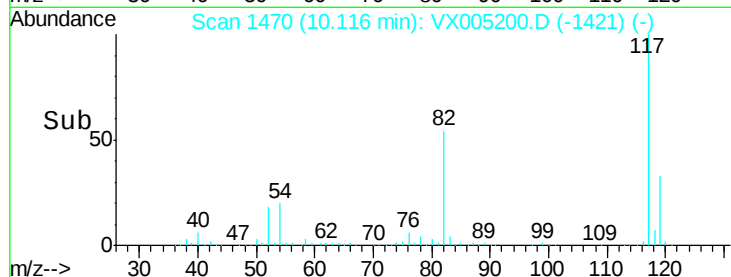
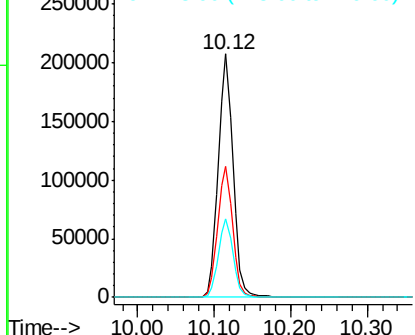
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005200.D
Acq: 10 Oct 2018 10:33

Instrument :
MSVOA_X
ClientSampleId :
SA-TW516-2024

Tgt Ion:117 Resp: 279706
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.4
119 32.5 27.4 41.0

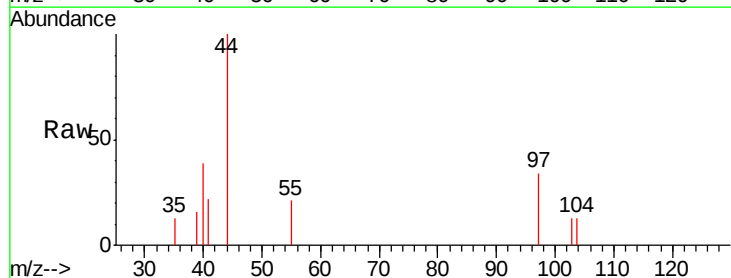


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

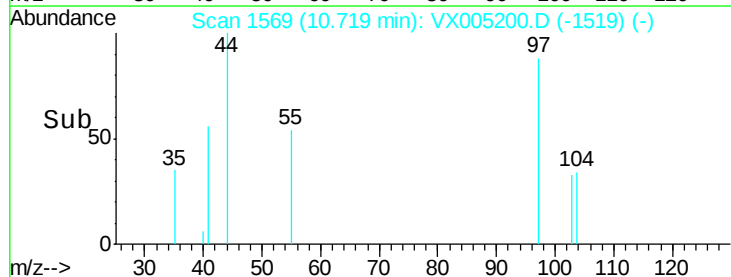
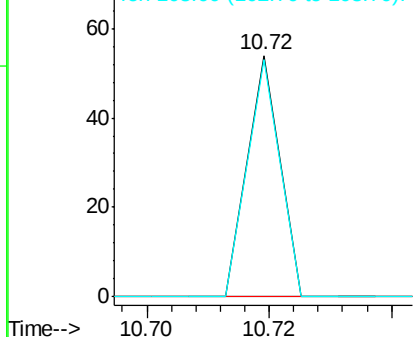


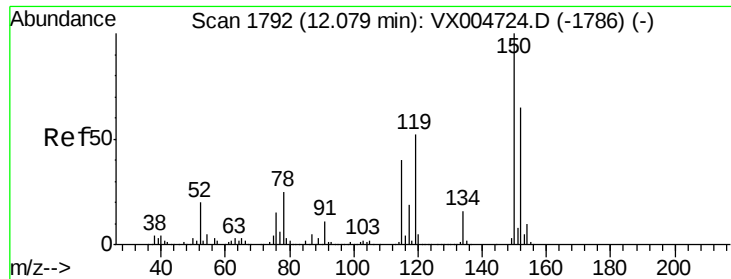
#70
Styrene
Concen: 2.14 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX005200.D
Acq: 10 Oct 2018 10:33

Tgt Ion:104 Resp: 20
Ion Ratio Lower Upper
104 100
78 0.0 40.0 60.0#
103 95.0 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): 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: VX005200.D

Acq: 10 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

SA-TW516-2024

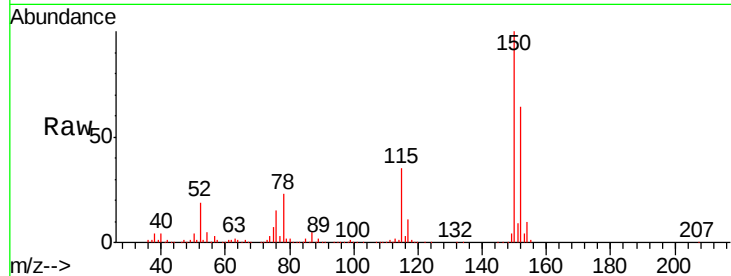
Tgt Ion:152 Resp: 156867

Ion Ratio Lower Upper

152 100

115 55.0 40.2 120.6

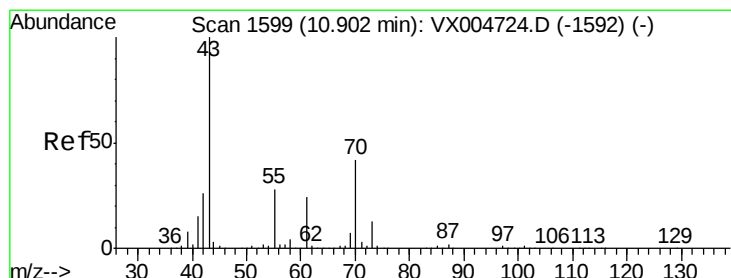
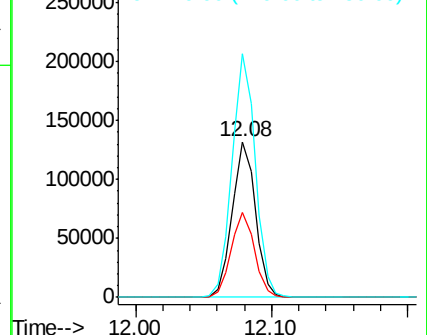
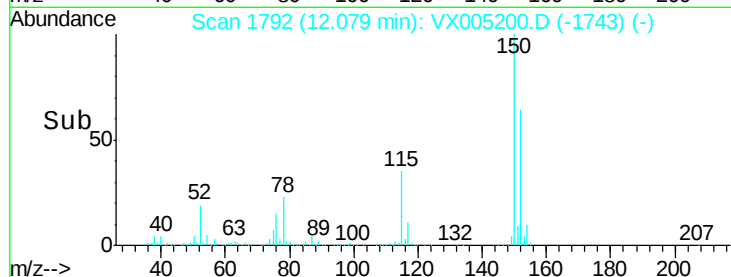
150 156.9 0.0 351.0



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: 1.76 ug/l

RT: 10.89 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VX005200.D

Acq: 10 Oct 2018 10:33

Tgt Ion: 43 Resp: 72

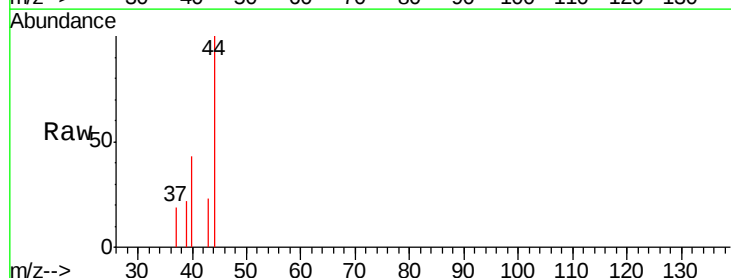
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#

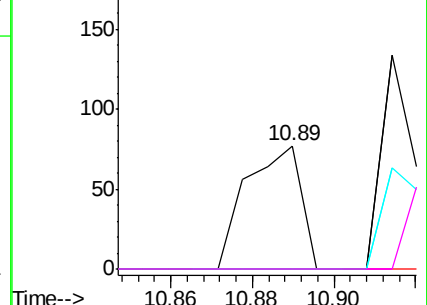
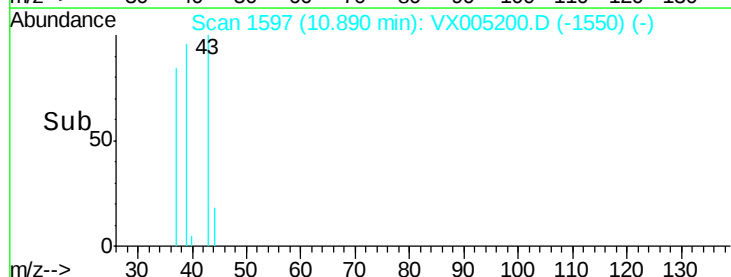


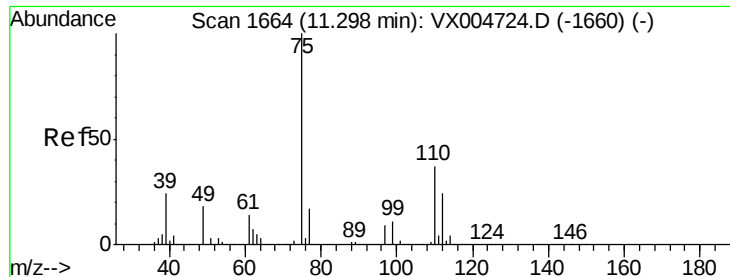
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

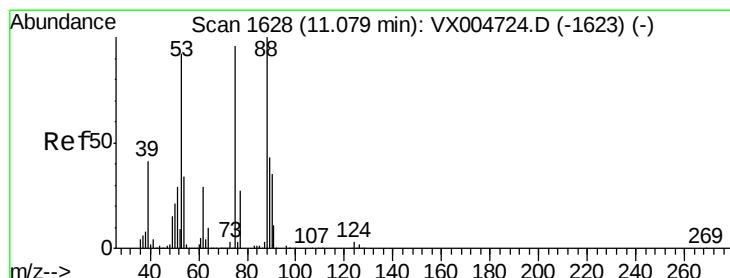
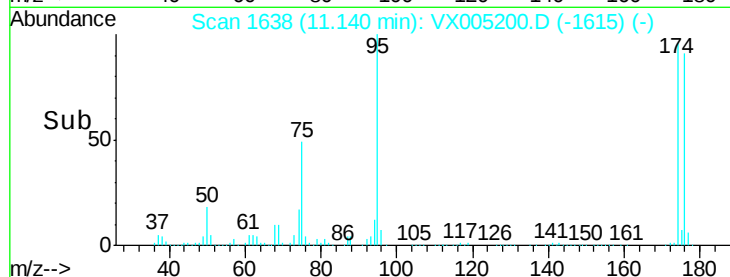
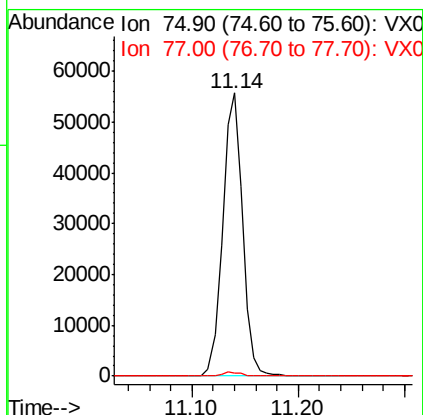
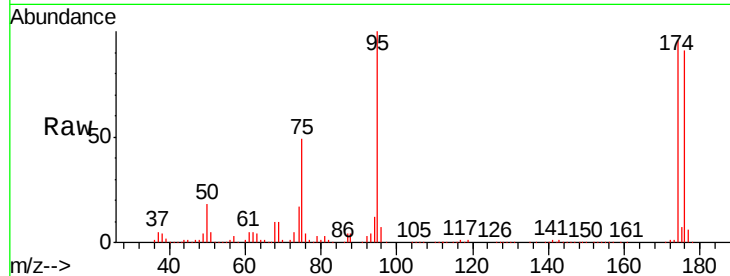




#76
 1,2,3-Trichloropropane
 Concen: 20.63 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005200.D
 Acq: 10 Oct 2018 10:33

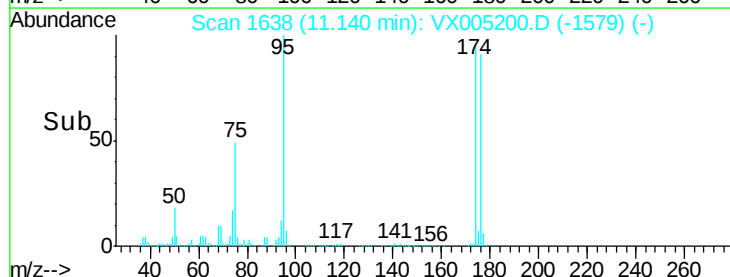
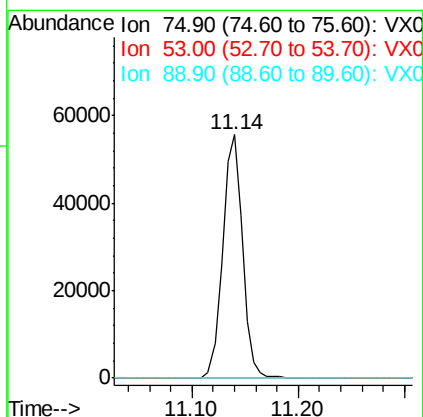
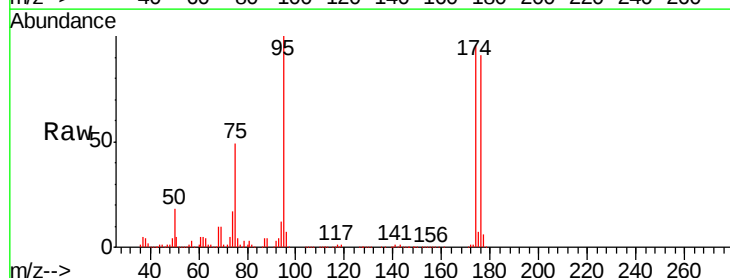
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW516-2024

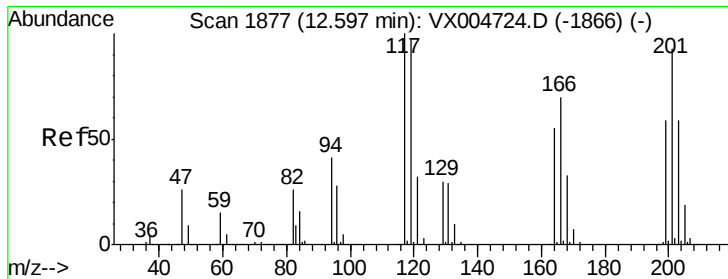
Tgt Ion: 75 Resp: 72519
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.01 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX005200.D
 Acq: 10 Oct 2018 10:33

Tgt Ion: 75 Resp: 72519
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.4#
 89 0.0 37.1 55.7#





#90

Hexachloroethane

Concen: 0.25 ug/l

RT: 12.76 min Scan# 1904

Delta R.T. 0.16 min

Lab File: VX005200.D

Acq: 10 Oct 2018 10:33

Instrument :

MSVOA_X

ClientSampleId :

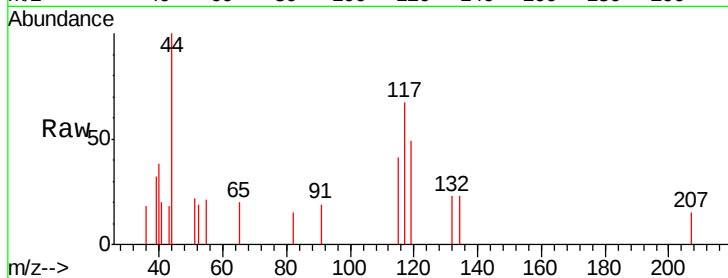
SA-TW516-2024

Tgt Ion:117 Resp: 372

Ion Ratio Lower Upper

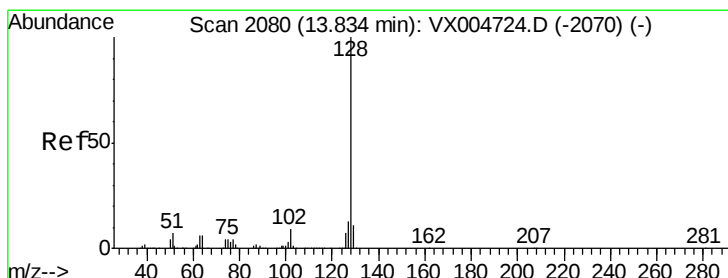
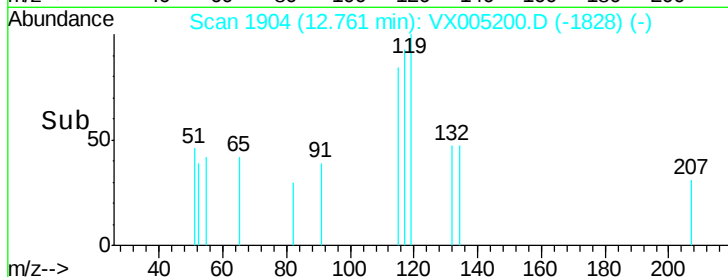
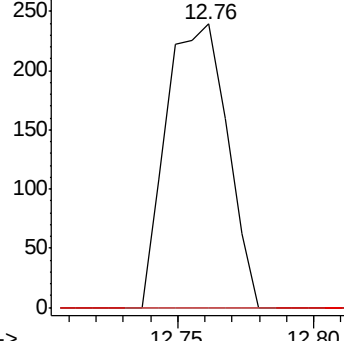
117 100

201 0.0 48.4 145.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 0.74 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005200.D

Acq: 10 Oct 2018 10:33

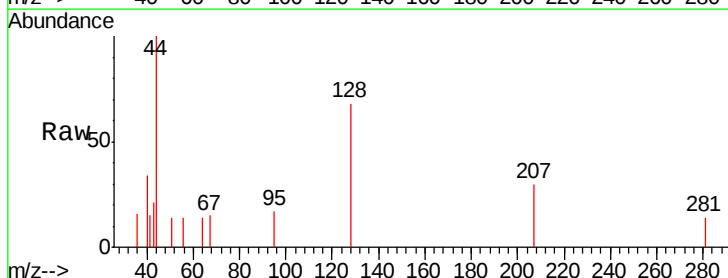
Tgt Ion:128 Resp: 332

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 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

