

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005014.D
 Acq On : 04 Oct 2018 12:14
 Operator : JC/MD
 Sample : J5188-08 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NS-092818

Quant Time: Oct 04 12:59:07 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

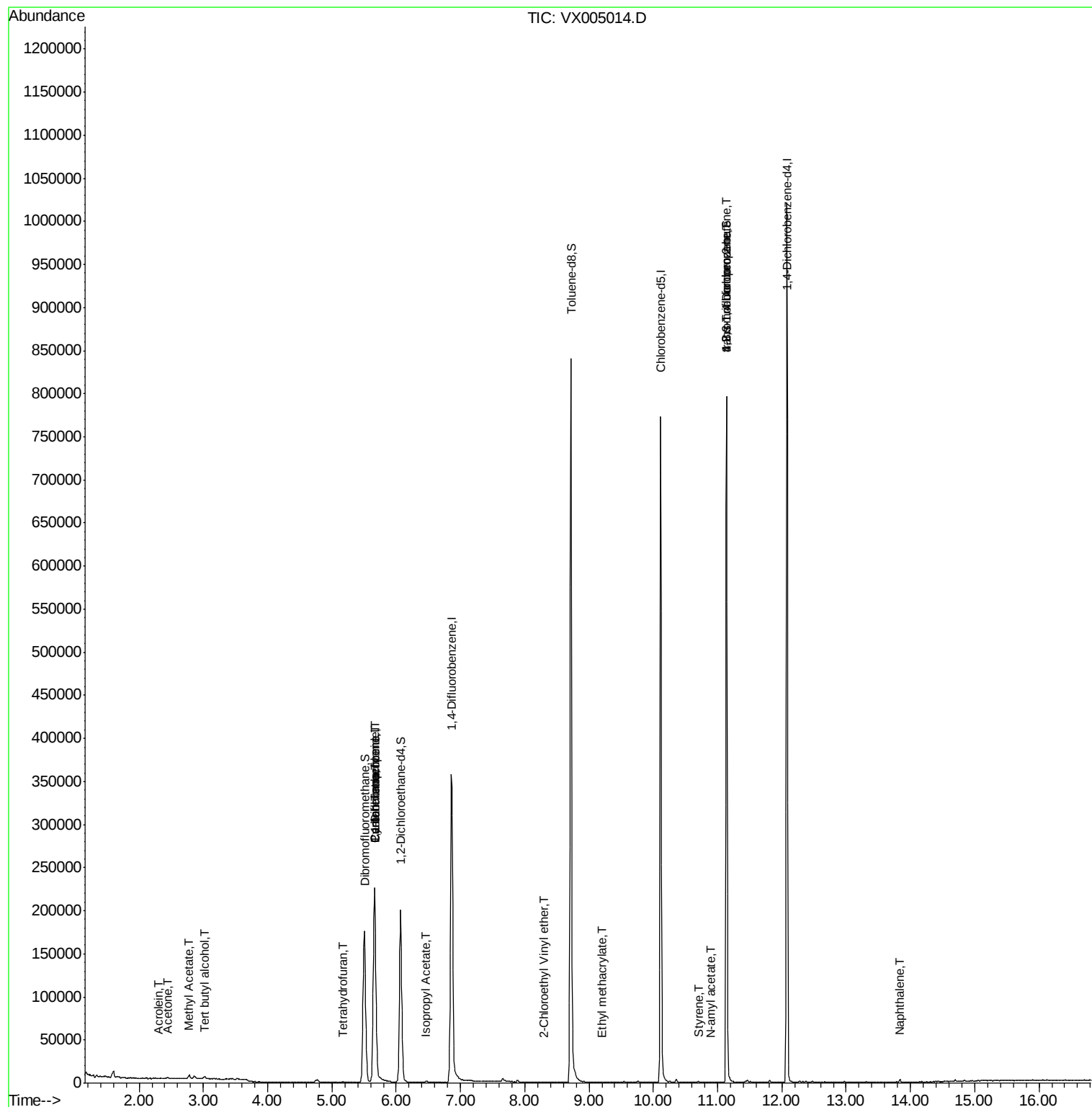
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	243918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393947	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	379298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211286	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	183267	52.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.20%	
35) Dibromofluoromethane	5.50	113	152351	45.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.26%	
50) Toluene-d8	8.72	98	556570	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.14	95	202397	50.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.24%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.74	64	59	Below Cal	#	45
11) Tert butyl alcohol	3.01	59	1789	1.836	ug/l #	79
13) Acrolein	2.30	56	173	0.250	ug/l #	10
16) Acetone	2.45	43	1181	0.581	ug/l	90
18) Methyl Acetate	2.78	43	5830	1.131	ug/l	96
20) Methylene Chloride	2.86	84	1334	Below Cal	#	89
29) Tetrahydrofuran	5.17	42	834	0.447	ug/l #	50
31) Cyclohexane	5.66	56	4287	0.967	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16189	3.554	ug/l #	45
38) Carbon Tetrachloride	5.66	117	21336	4.456	ug/l #	17
43) Isopropyl Acetate	6.46	43	1910	0.219	ug/l #	90
56) Ethyl methacrylate	9.20	69	41	2.869	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.30	63	20	14.248	ug/l #	49
70) Styrene	10.71	104	20	2.142	ug/l #	25
74) N-amyl acetate	10.90	43	87	1.759	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	99159	20.939	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	369	Below Cal		94
81) trans-1,4-Dichloro-2-buten	11.14	75	99159	56.825	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	1325	Below Cal		96
95) Naphthalene	13.83	128	1990	0.831	ug/l #	93

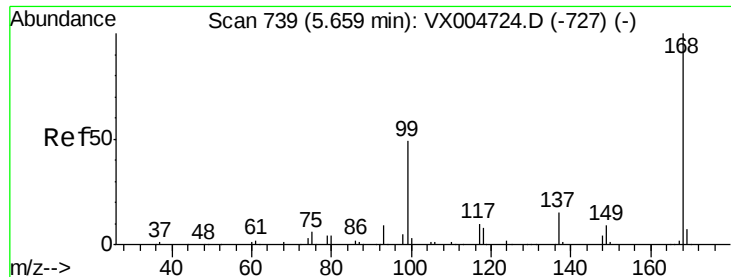
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005014.D

Acq: 04 Oct 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

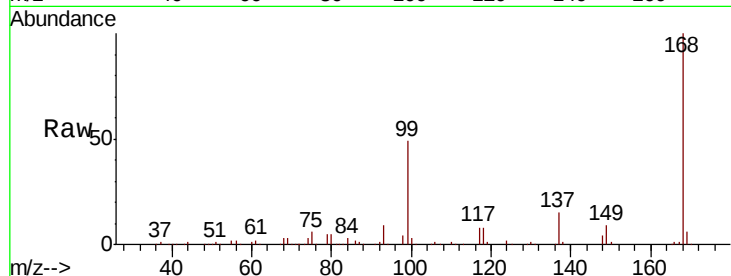
NS-092818

Tot Ion:168 Resp: 243918

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

80000

60000

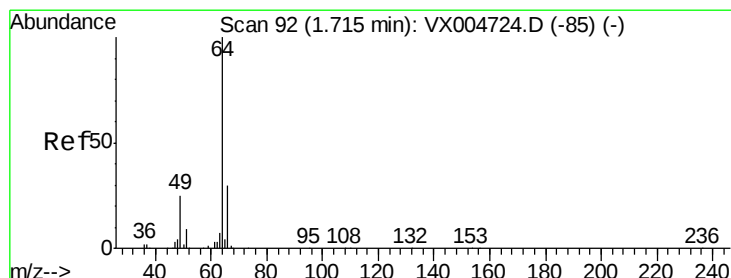
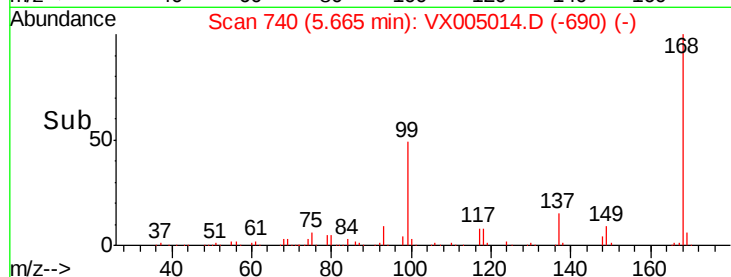
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX005014.D

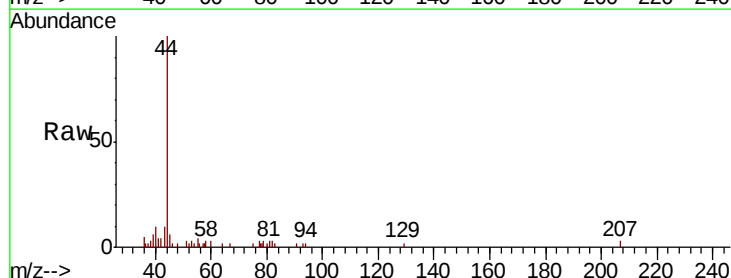
Acq: 04 Oct 2018 12:14

Tgt Ion: 64 Resp: 59

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

150

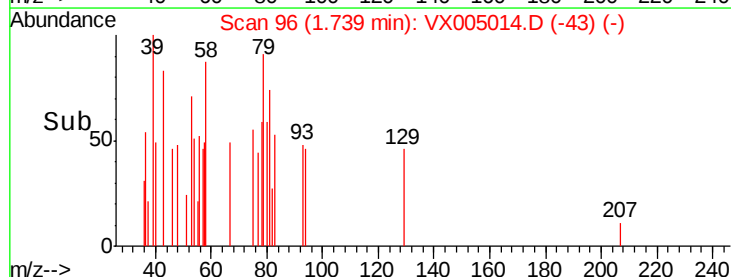
100

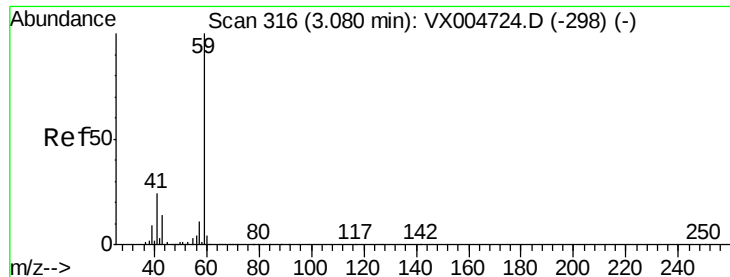
50

0

Time-->

1.70 1.72 1.74 1.76



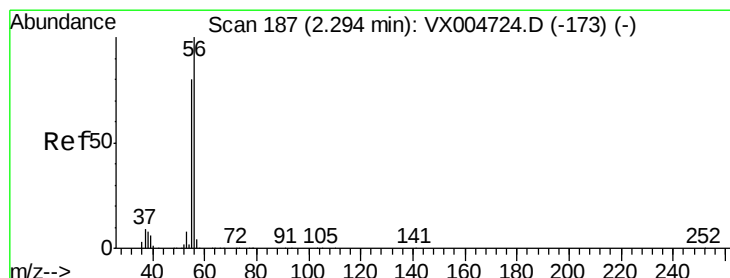
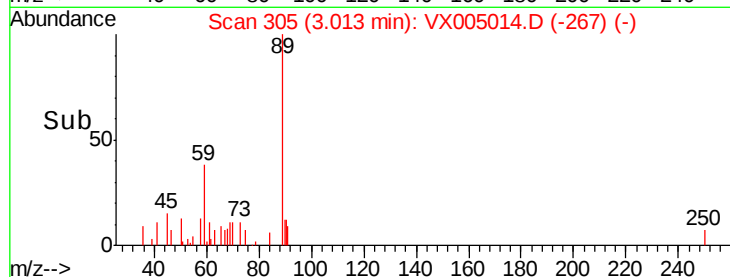
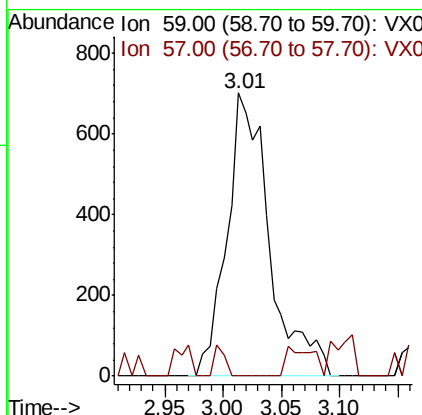
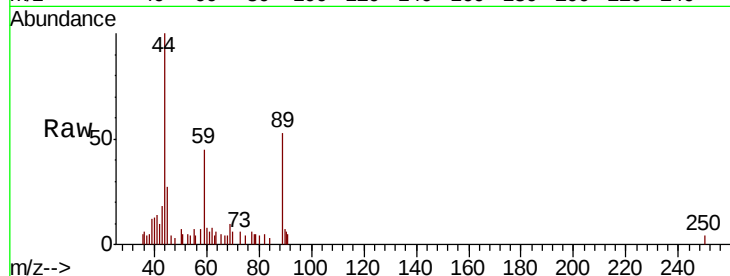


#11

Tert butyl alcohol
 Concen: 1.836 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.07 min
 Lab File: VX005014.D
 Acq: 04 Oct 2018 12:14

Instrument :
 MSVOA_X
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 NS-092818

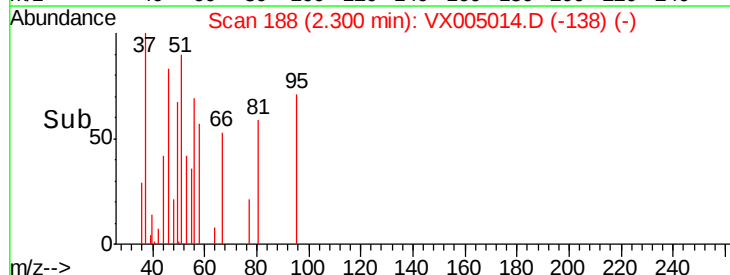
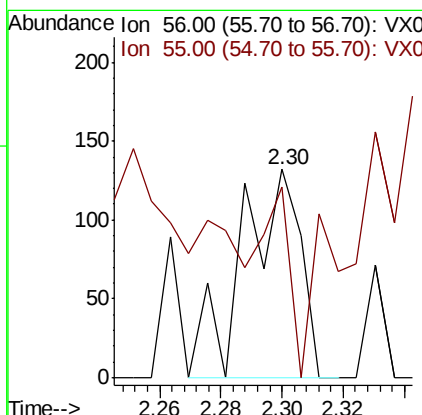
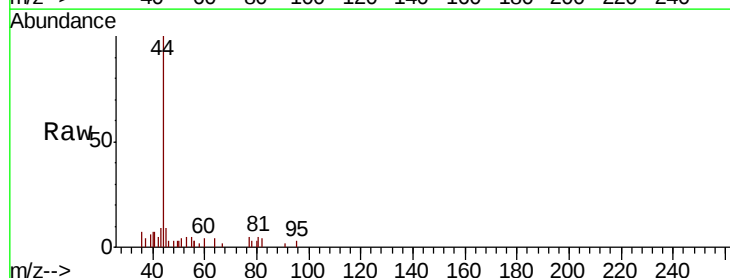
Tot Ion: 59 Resp: 1789
 Ion Ratio Lower Upper
 59 100
 57 2.7 8.6 12.8#

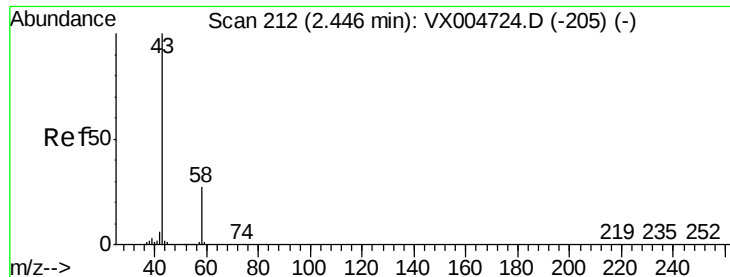


#13

Acrolein
 Concen: 0.250 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX005014.D
 Acq: 04 Oct 2018 12:14

Tgt Ion: 56 Resp: 173
 Ion Ratio Lower Upper
 56 100
 55 0.0 63.4 95.2#

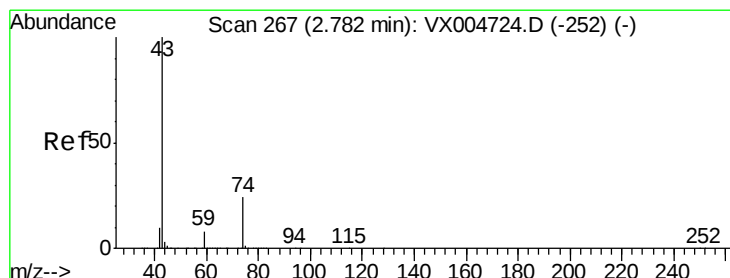
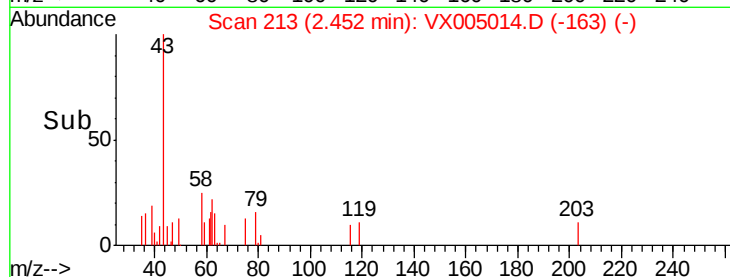
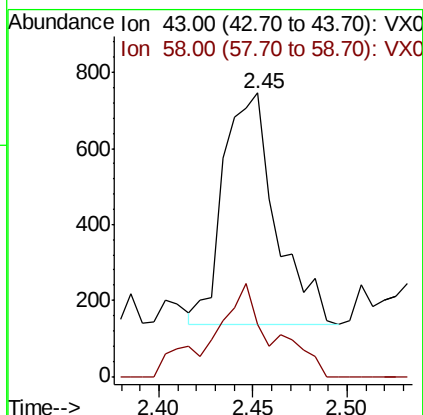
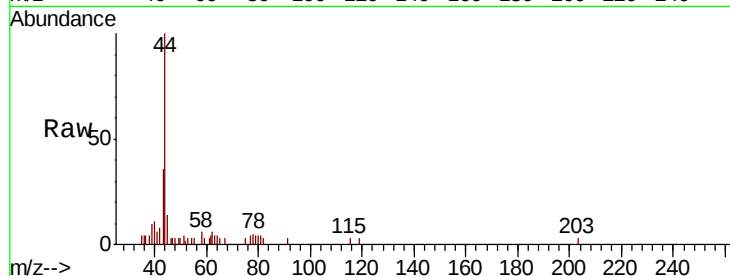




#16
Acetone
Concen: 0.581 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX005014.D
Acq: 04 Oct 2018 12:14

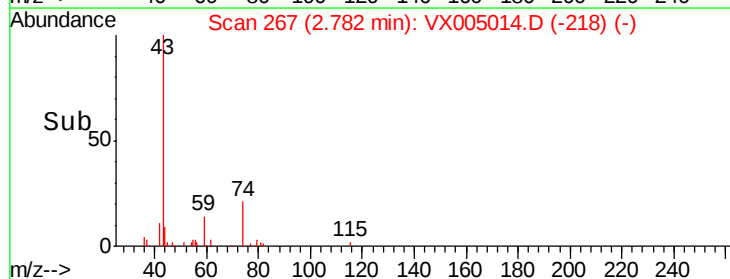
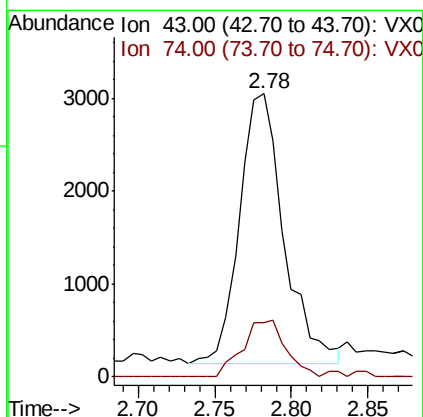
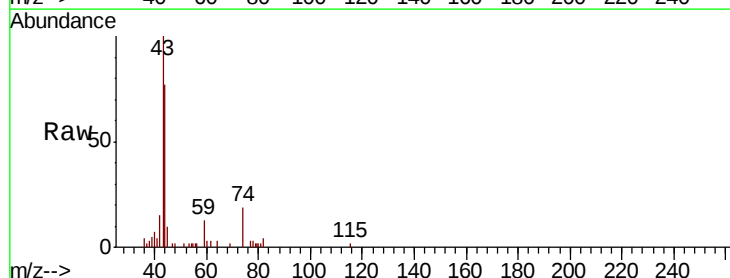
Instrument :
MSVOA_X
ClientSampleId :
NS-092818

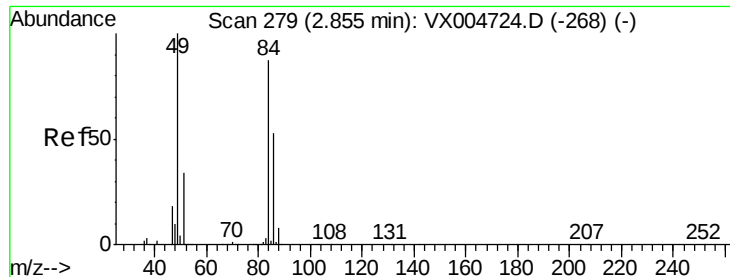
Tot Ion: 43 Resp: 1181
Ion Ratio Lower Upper
43 100
58 22.1 21.8 32.6



#18
Methyl Acetate
Concen: 1.131 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX005014.D
Acq: 04 Oct 2018 12:14

Tgt Ion: 43 Resp: 5830
Ion Ratio Lower Upper
43 100
74 20.3 17.8 26.8

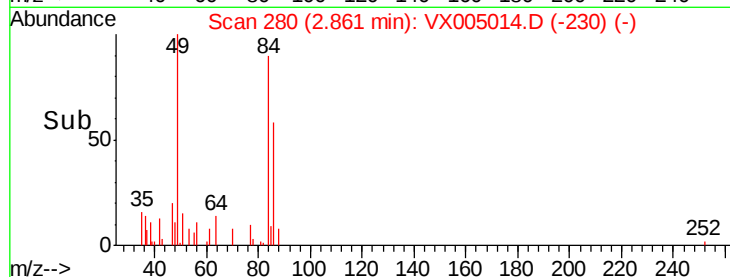
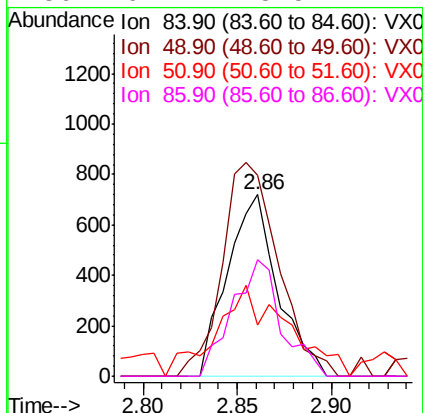
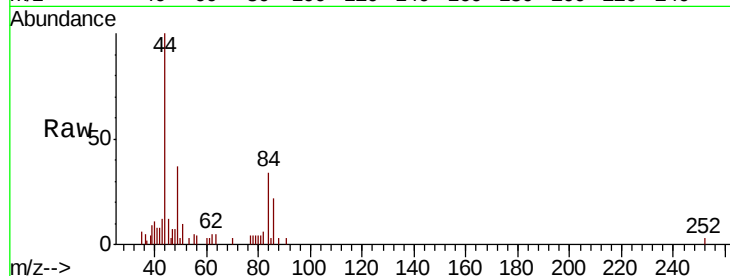




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005014.D
Acq: 04 Oct 2018 12:14

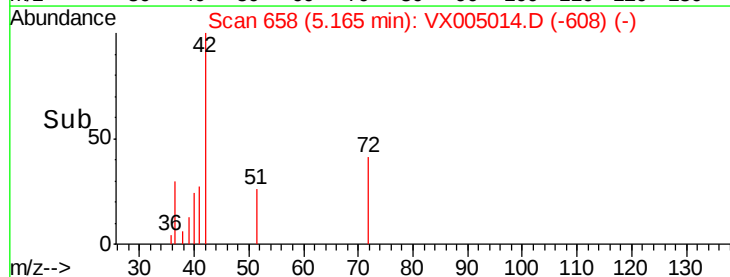
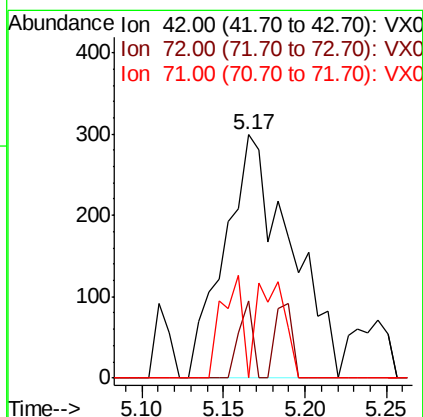
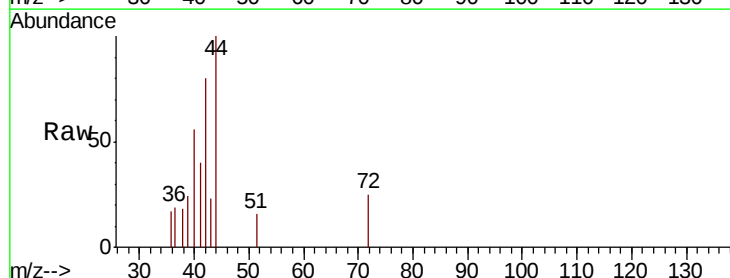
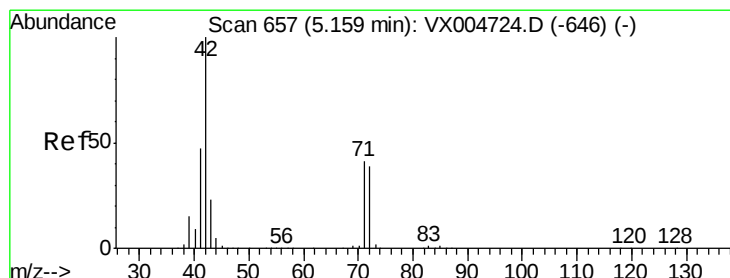
Instrument :
MSVOA_X
ClientSampled :
NS-092818

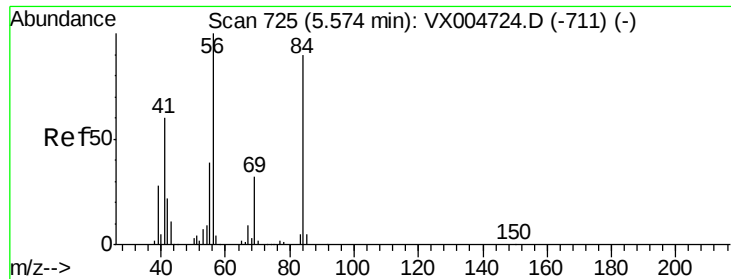
Tot Ion: 84 Resp: 1334
Ion Ratio Lower Upper
84 100
49 110.8 92.3 138.5
51 16.0 31.8 47.6#
86 64.1 48.5 72.7



#29
Tetrahydrofuran
Concen: 0.447 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005014.D
Acq: 04 Oct 2018 12:14

Tgt Ion: 42 Resp: 834
Ion Ratio Lower Upper
42 100
72 6.6 33.7 50.5#
71 13.4 32.2 48.4#

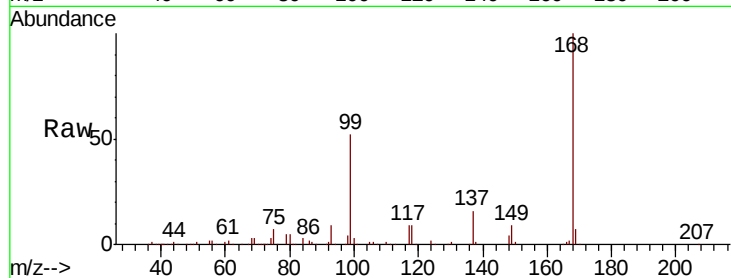




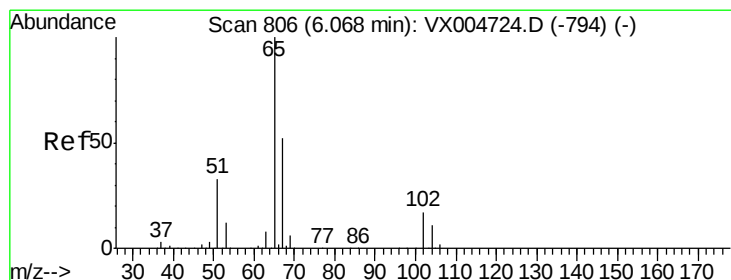
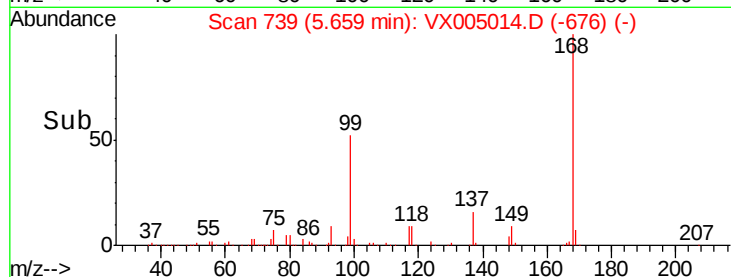
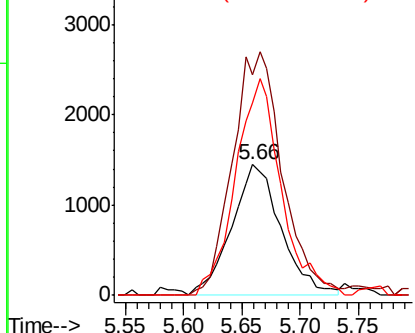
#31
Cyclohexane
Concen: 0.967 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005014.D
Acq: 04 Oct 2018 12:14

Instrument :
MSVOA_X
ClientSampled :
NS-092818

Tot Ion: 56 Resp: 4287
Ion Ratio Lower Upper
56 100
69 169.6 25.9 38.9#
84 147.6 71.9 107.9#

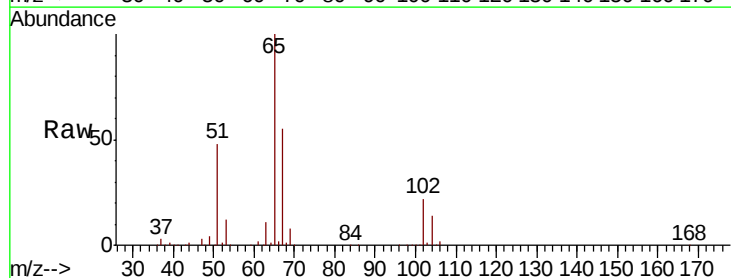


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

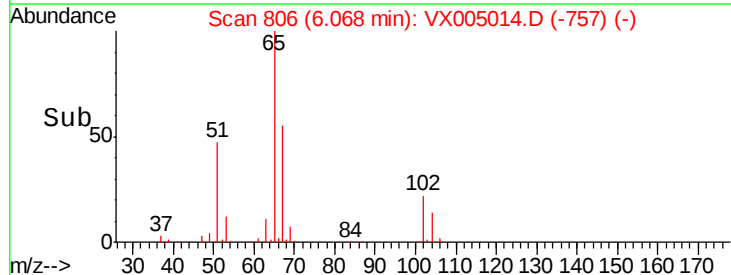
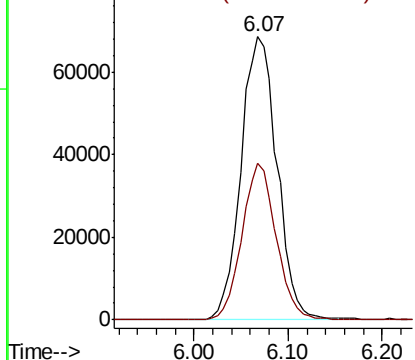


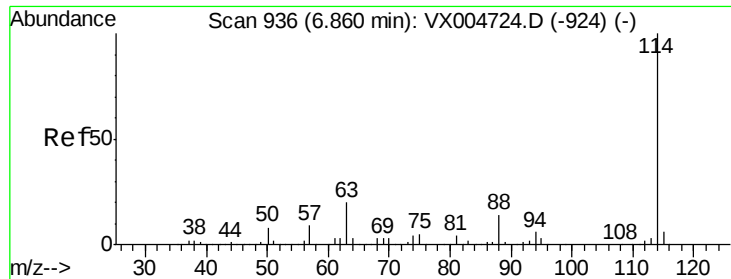
#33
1,2-Dichloroethane-d4
Concen: 52.597 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005014.D
Acq: 04 Oct 2018 12:14

Tgt Ion: 65 Resp: 183267
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

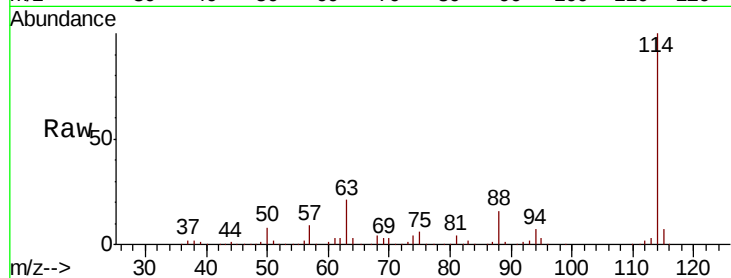




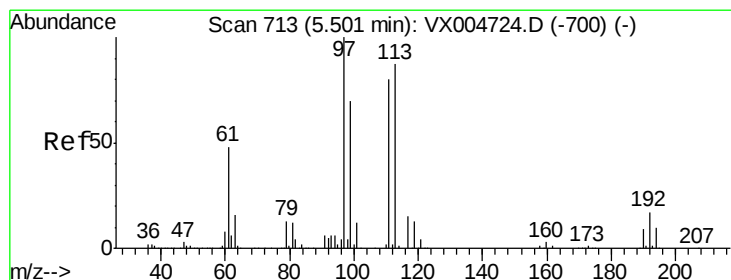
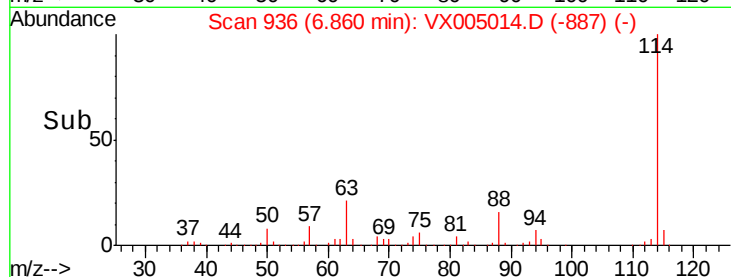
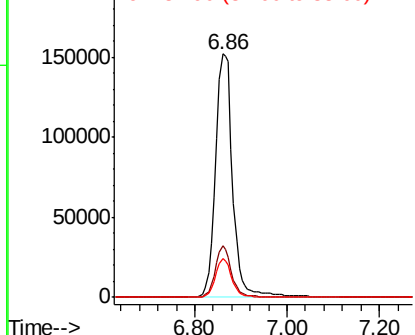
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005014.D
 Acq: 04 Oct 2018 12:14

Instrument :
 MSVOA_X
 ClientSampleId :
 NS-092818

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	39.8
88	16.2	0.0	27.0

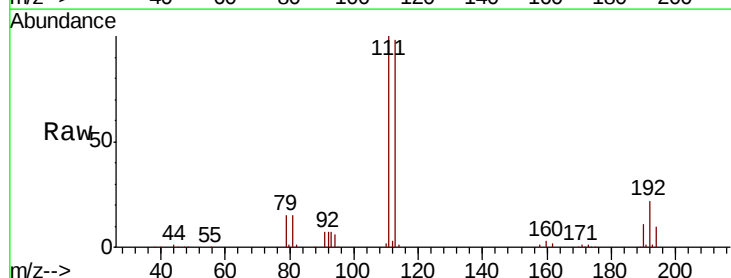


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

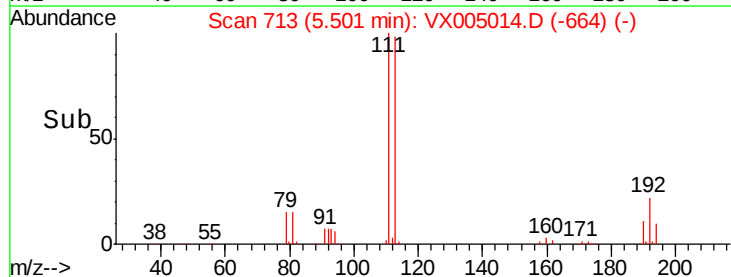
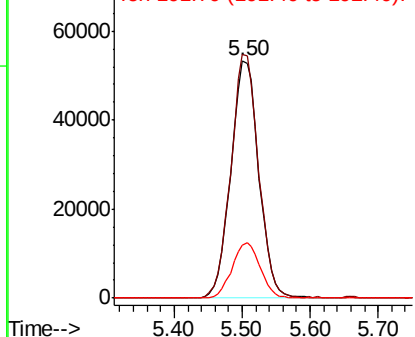


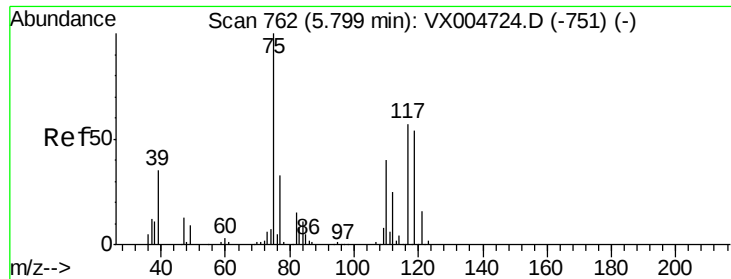
#35
 Dibromofluoromethane
 Concen: 45.631 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005014.D
 Acq: 04 Oct 2018 12:14

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	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

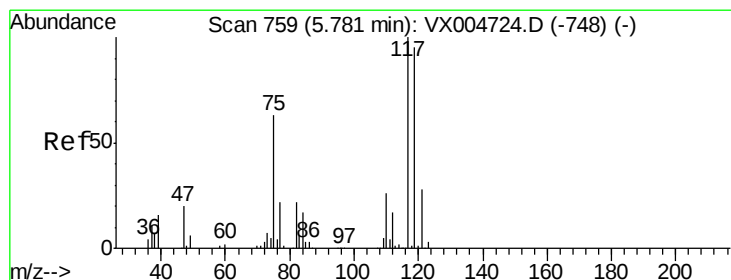
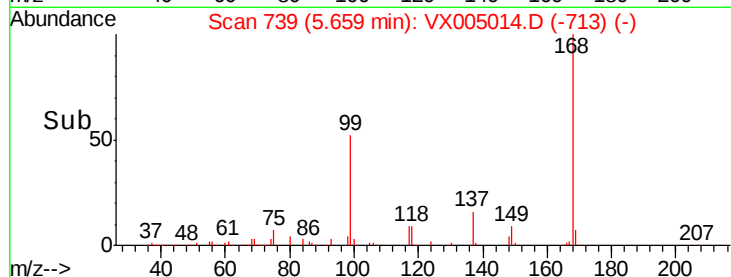
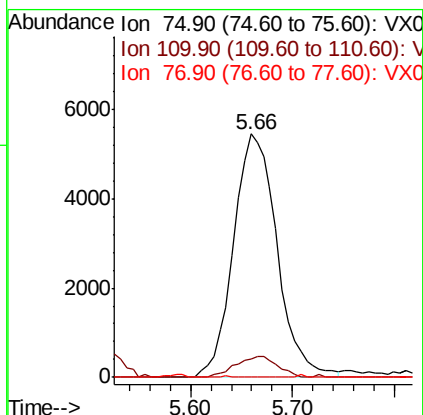
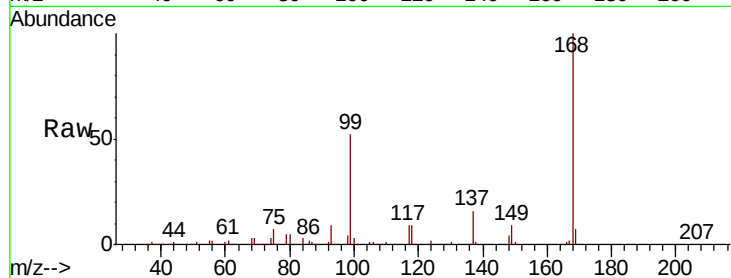




#36
 1,1-Dichloropropene
 Concen: 3.554 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005014.D
 Acq: 04 Oct 2018 12:14

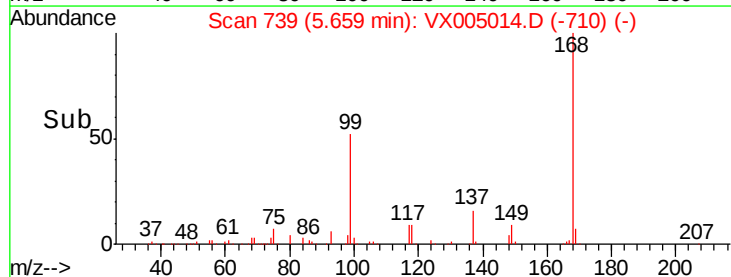
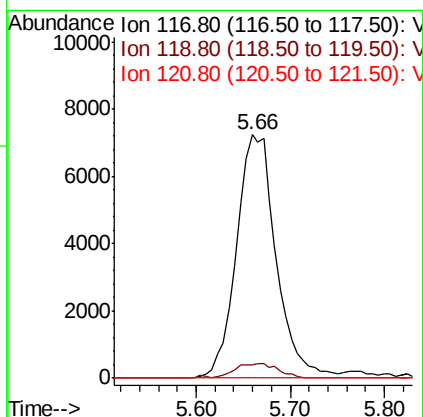
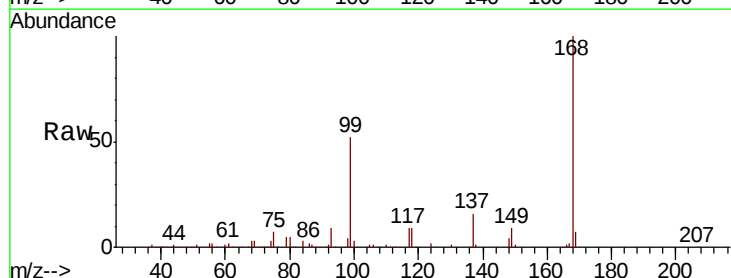
Instrument :
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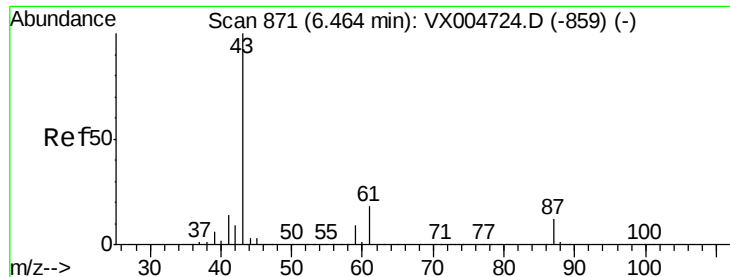
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	20.0	59.9#
77	0.0	27.1	40.7#



#38
 Carbon Tetrachloride
 Concen: 4.456 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX005014.D
 Acq: 04 Oct 2018 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.2	112.8#
121	0.0	22.5	33.7#





#43

Isopropyl Acetate

Concen: 0.219 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005014.D

Acq: 04 Oct 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

NS-092818

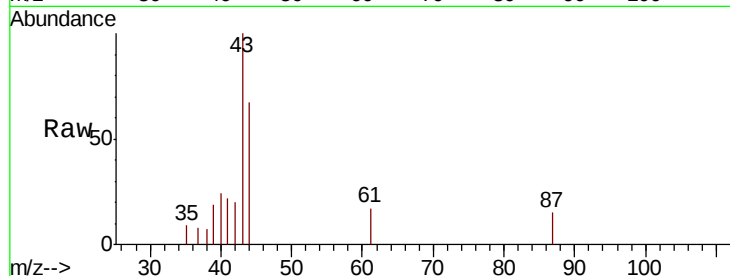
Tot Ion: 43 Resp: 1910

Ion Ratio Lower Upper

43 100

61 15.4 14.2 21.4

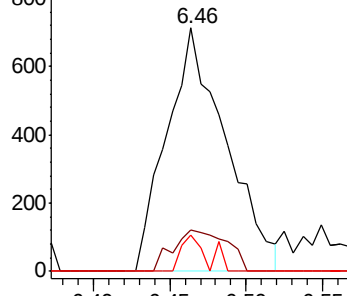
87 4.8 9.3 13.9#



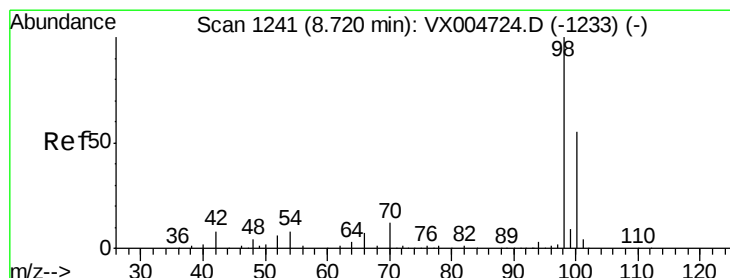
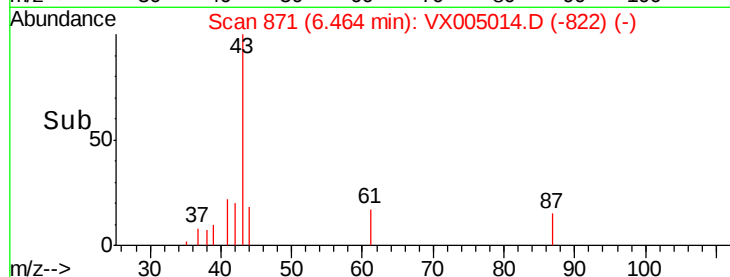
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time-->



#50

Toluene-d8

Concen: 50.143 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX005014.D

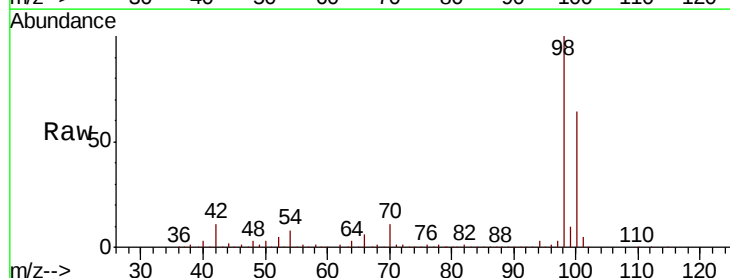
Acq: 04 Oct 2018 12:14

Tgt Ion: 98 Resp: 556570

Ion Ratio Lower Upper

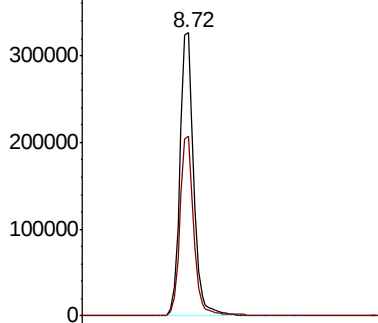
98 100

100 63.3 51.9 77.9

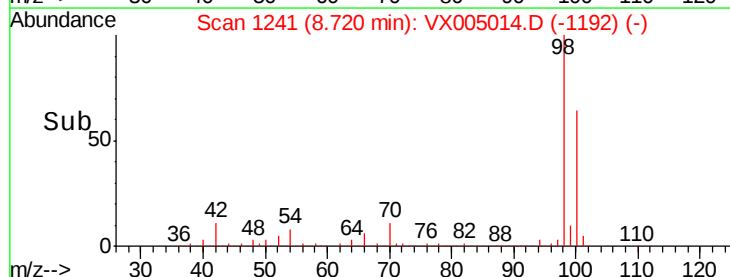


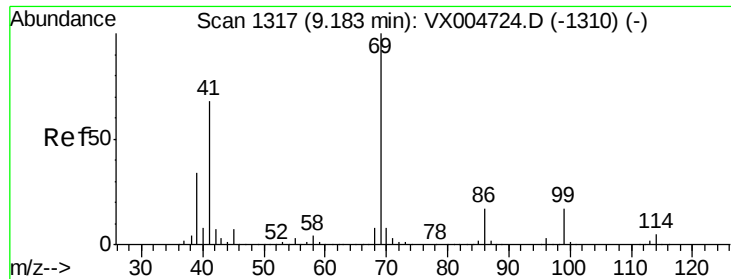
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#56

Ethyl methacrylate

Concen: 2.869 ug/l

RT: 9.20 min Scan# 1319

Delta R.T. 0.01 min

Lab File: VX005014.D

Acq: 04 Oct 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

NS-092818

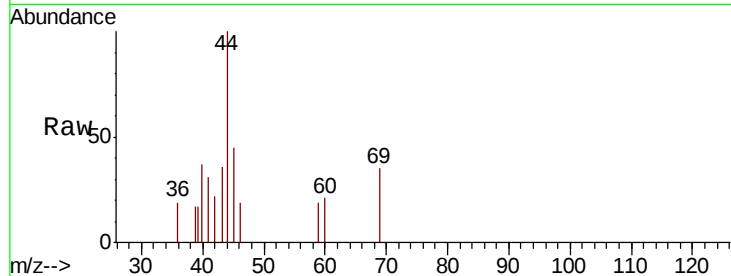
Tot Ion: 69 Resp: 41

Ion Ratio Lower Upper

69 100

41 395.1 56.9 85.3#

39 341.5 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

200

150

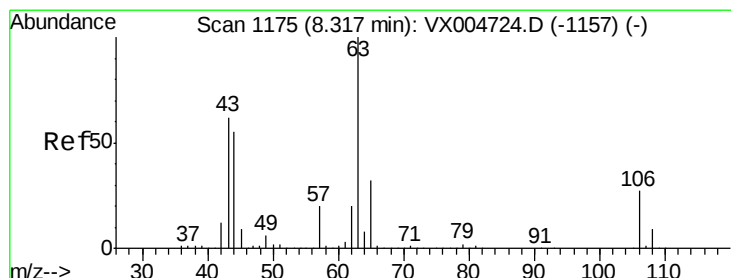
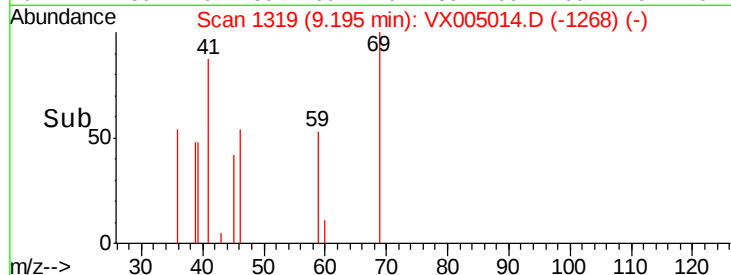
100

50

0

9.18 9.19 9.20 9.21

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 14.248 ug/l

RT: 8.30 min Scan# 1172

Delta R.T. -0.02 min

Lab File: VX005014.D

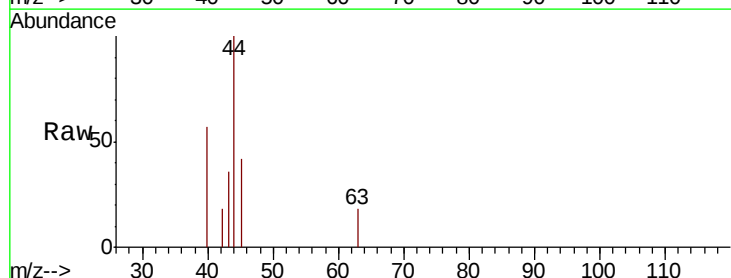
Acq: 04 Oct 2018 12:14

Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

60

50

40

30

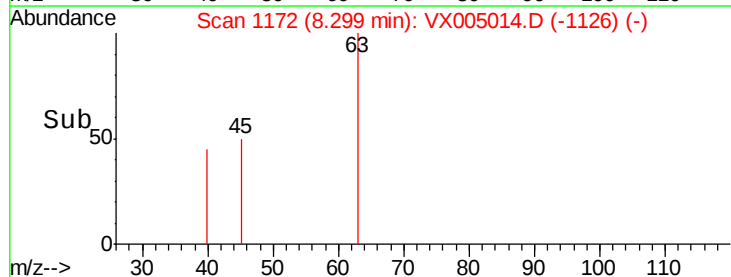
20

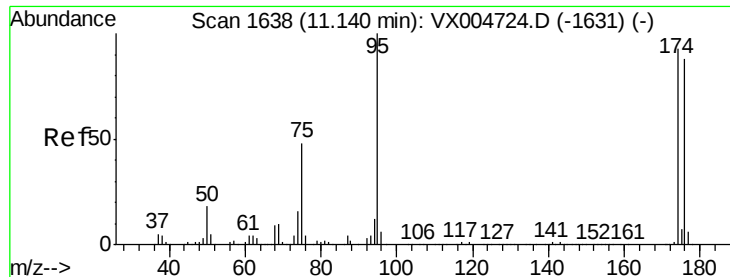
10

0

8.28 8.29 8.30 8.31

Time-->

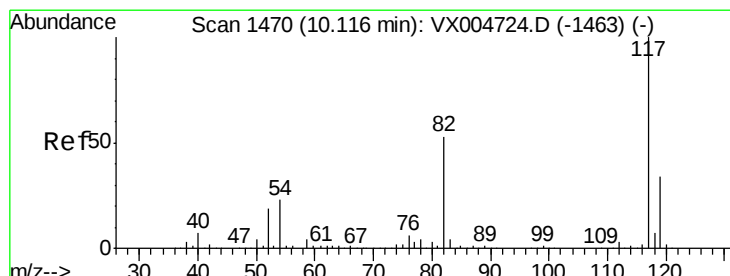
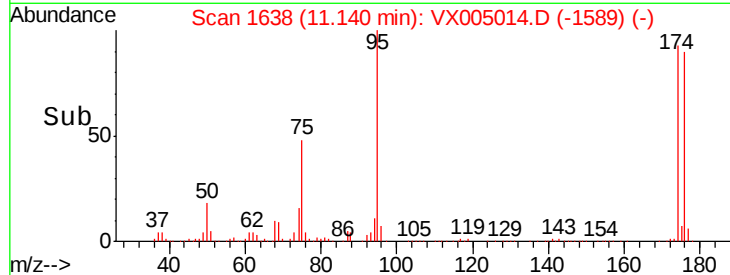
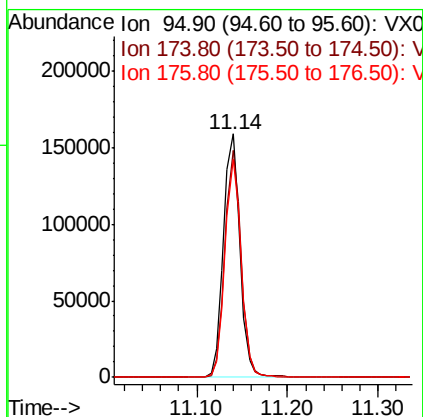
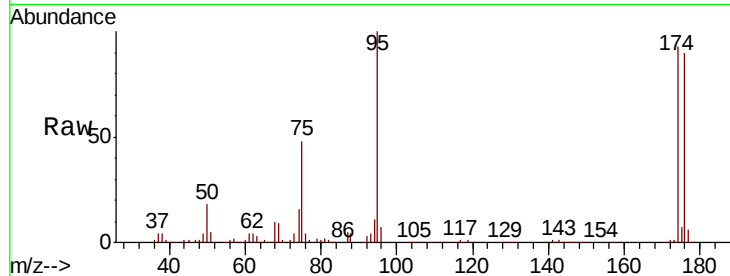




#62
4-Bromofluorobenzene
Concen: 50.616 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005014.D
Acq: 04 Oct 2018 12:14

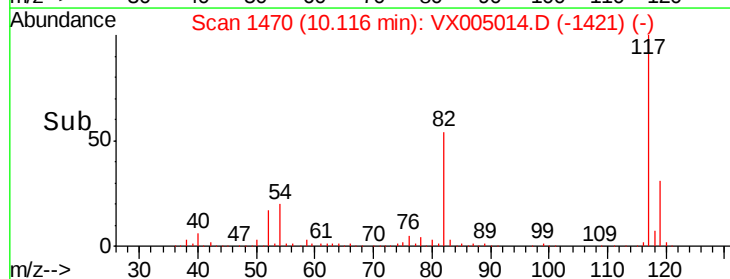
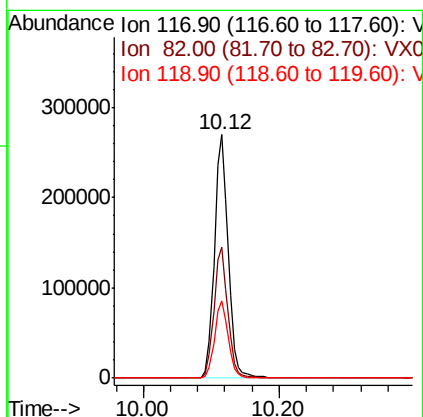
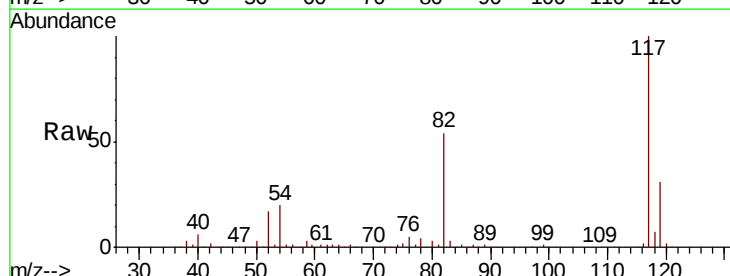
Instrument :
MSVOA_X
ClientSampleId :
NS-092818

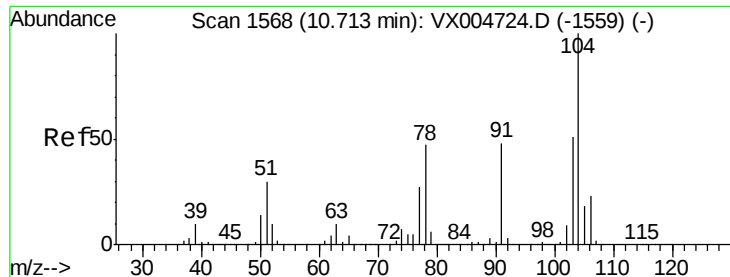
Tot Ion: 95 Resp: 202397
Ion Ratio Lower Upper
95 100
174 92.3 0.0 185.0
176 88.5 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005014.D
Acq: 04 Oct 2018 12:14

Tgt Ion: 117 Resp: 379298
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 31.5 27.4 41.0





#70

Stvrene

Concen: 2.142 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX005014.D

Acq: 04 Oct 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

NS-092818

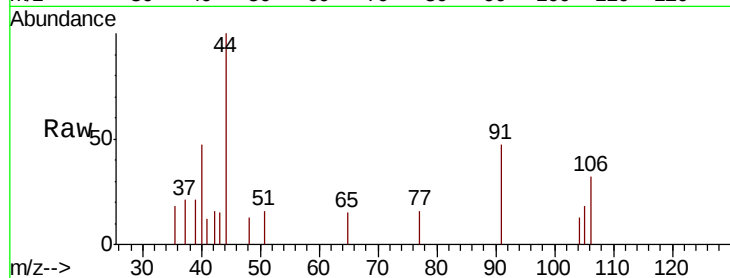
Tot Ion:104 Resp: 20

Ion Ratio Lower Upper

104 100

78 0.0 40.0 60.0#

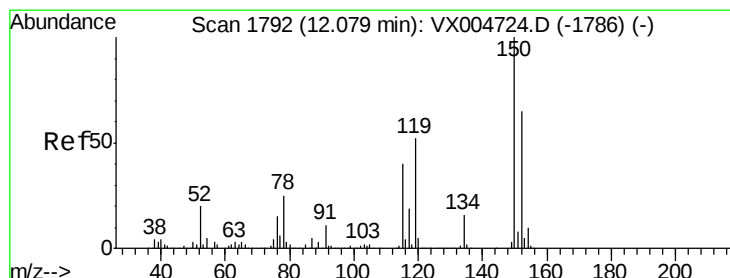
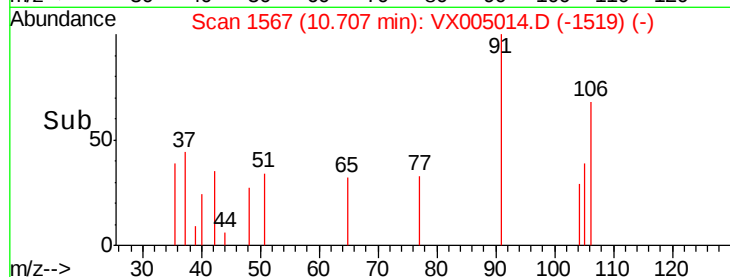
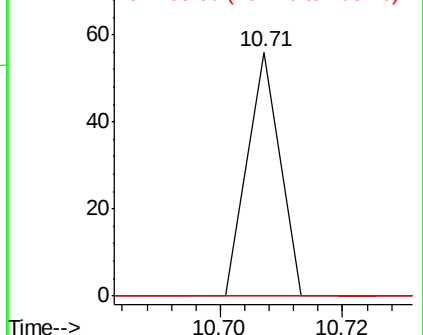
103 0.0 44.3 66.5#



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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005014.D

Acq: 04 Oct 2018 12:14

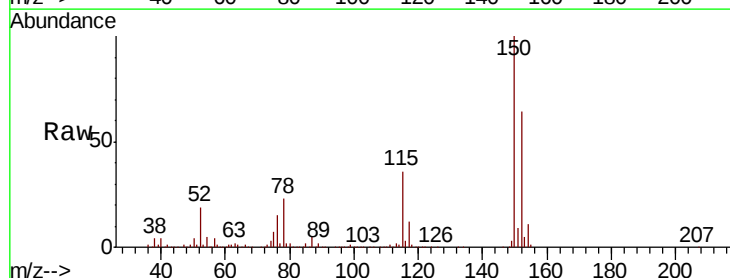
Tgt Ion:152 Resp: 211286

Ion Ratio Lower Upper

152 100

115 55.8 40.2 120.6

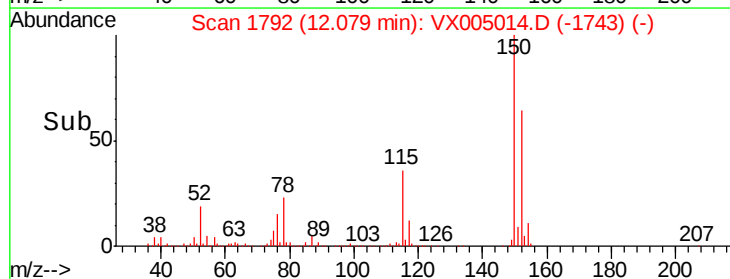
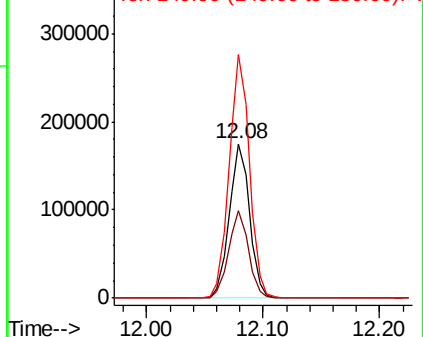
150 158.2 0.0 351.0

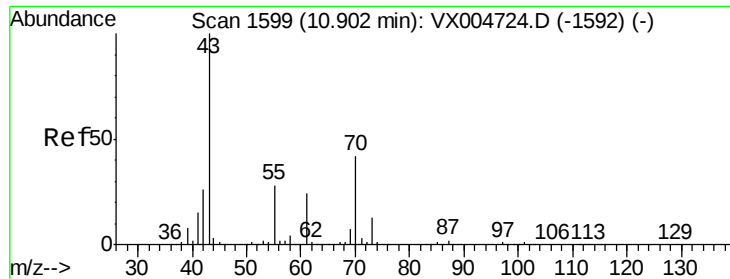


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.759 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005014.D

Acq: 04 Oct 2018 12:14

Instrument :

MSVOA_X

ClientSampled :

NS-092818

Tot Ion: 43 Resp: 87

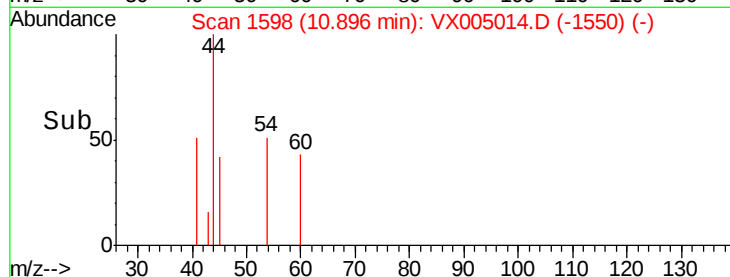
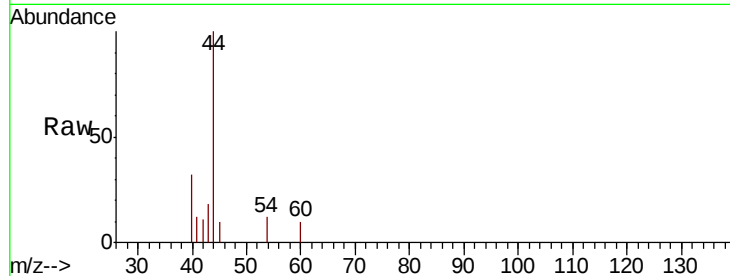
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#

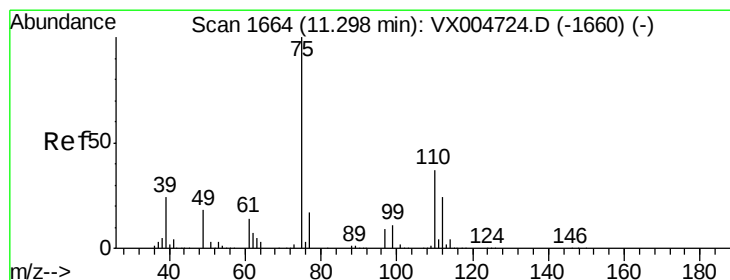
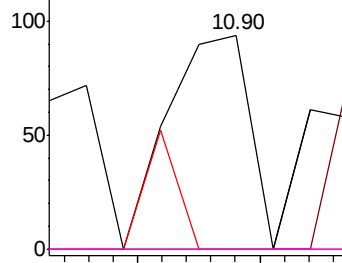


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.939 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005014.D

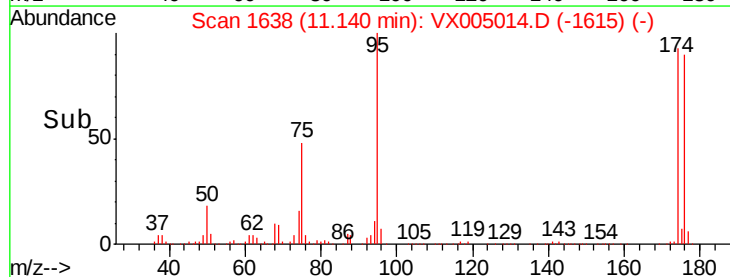
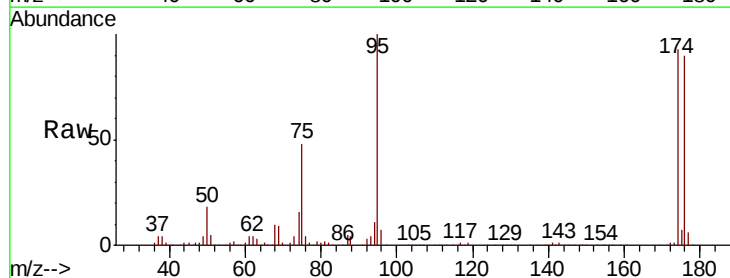
Acq: 04 Oct 2018 12:14

Tgt Ion: 75 Resp: 99159

Ion Ratio Lower Upper

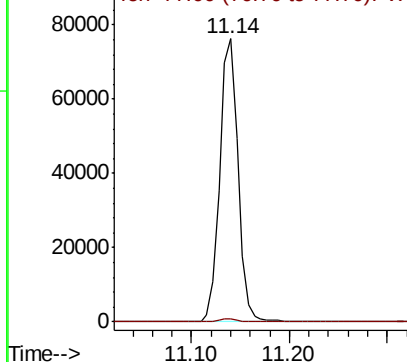
75 100

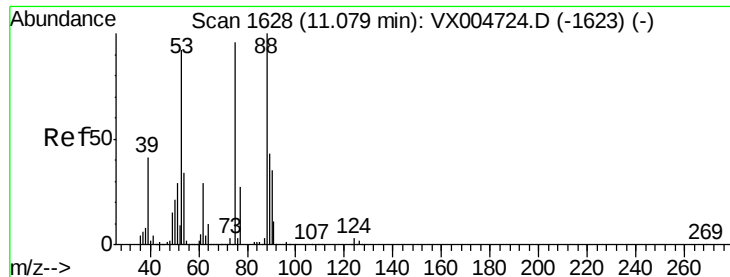
77 1.3 21.4 64.3#



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: 56.825 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005014.D

Acq: 04 Oct 2018 12:14

Instrument :

MSVOA_X

ClientSampleId :

NS-092818

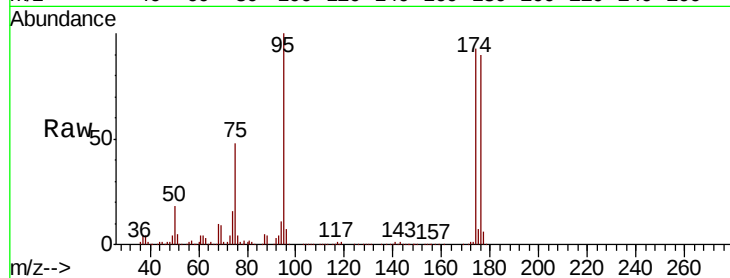
Tot Ion: 75 Resp: 99159

Ion Ratio Lower Upper

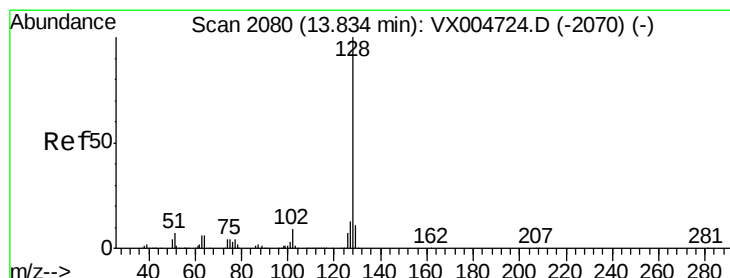
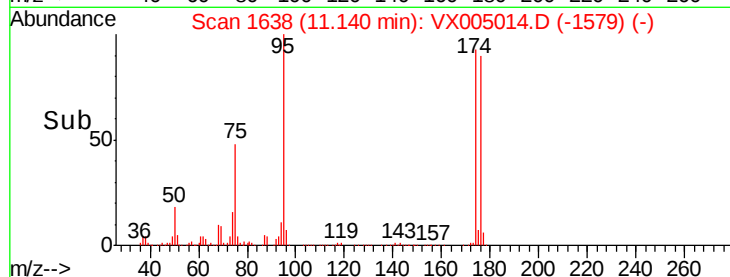
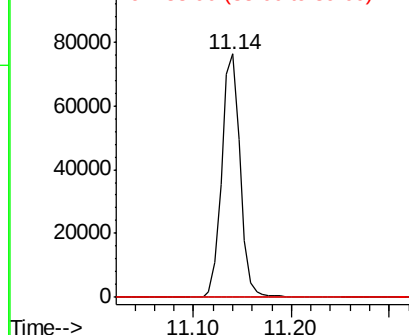
75 100

53 0.2 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



#95

Naphthalene

Concen: 0.831 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005014.D

Acq: 04 Oct 2018 12:14

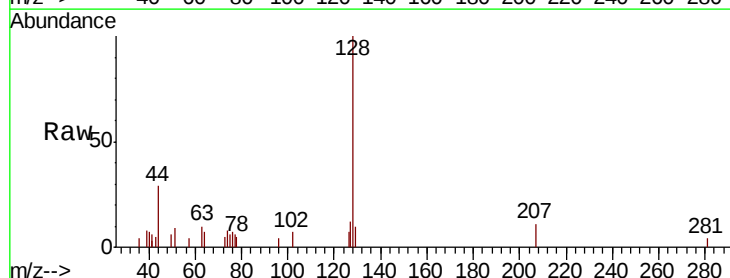
Tgt Ion:128 Resp: 1990

Ion Ratio Lower Upper

128 100

127 10.4 10.4 15.6

129 13.8 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

