

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050718\
 Data File : VX001494.D
 Acq On : 08 May 2018 04:40
 Operator : JC/MD
 Sample : J2769-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NORTH-AVE-TP

Quant Time: May 08 06:17:03 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	267750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	361611	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	182445	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	177844	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	
35) Dibromofluoromethane	5.51	113	137627	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	
50) Toluene-d8	8.72	98	502025	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	
62) 4-Bromofluorobenzene	11.14	95	168041	37.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.56%	

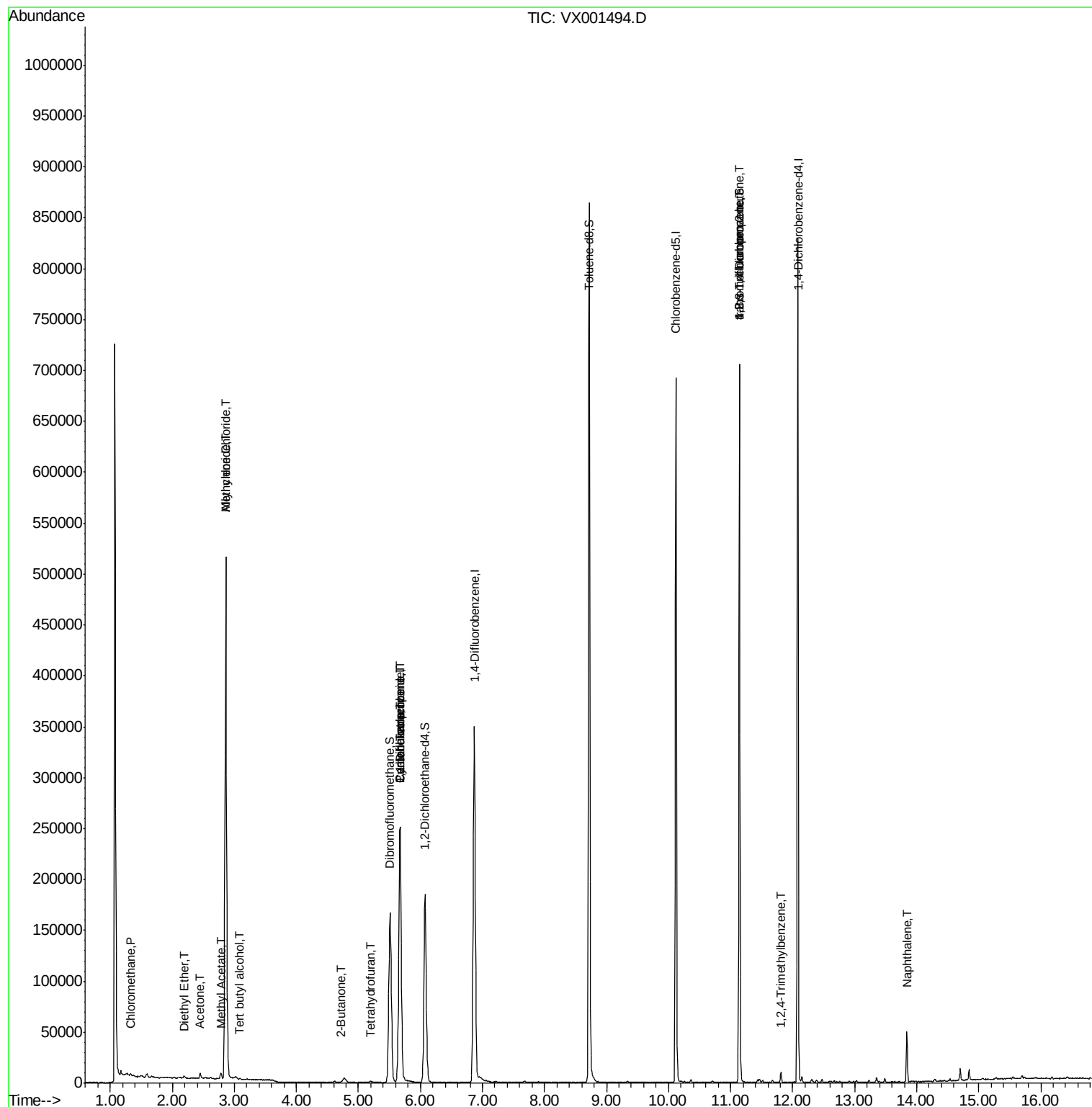
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1498	0.43	ug/l	99
5) Bromomethane	1.65	94	943	Below	Cal	85
8) Diethyl Ether	2.19	74	691	0.32	ug/l	84
11) Tert butyl alcohol	3.08	59	191	0.24	ug/l #	72
13) Acrolein	2.31	56	73	Below	Cal #	1
14) Allyl chloride	2.86	41	9047	1.64	ug/l #	26
16) Acetone	2.45	43	5105	2.92	ug/l	96
18) Methyl Acetate	2.78	43	6039	1.32	ug/l	93
20) Methylene Chloride	2.86	84	237337	68.60	ug/l	98
25) 2-Butanone	4.71	43	1251	0.50	ug/l #	83
29) Tetrahydrofuran	5.18	42	815	0.50	ug/l #	80
31) Cyclohexane	5.68	56	4689	0.95	ug/l #	33
36) 1,1-Dichloropropene	5.67	75	16241	3.53	ug/l #	50
38) Carbon Tetrachloride	5.67	117	22873	4.66	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	83670	22.61	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	83670	70.20	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	4007	0.37	ug/l	96
95) Naphthalene	13.84	128	30498	2.26	ug/l	99

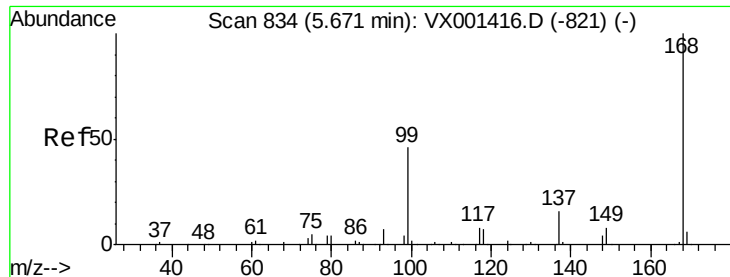
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001494.D

Acq: 08 May 2018 04:40

Instrument :

MSVOA_X

ClientSampleId :

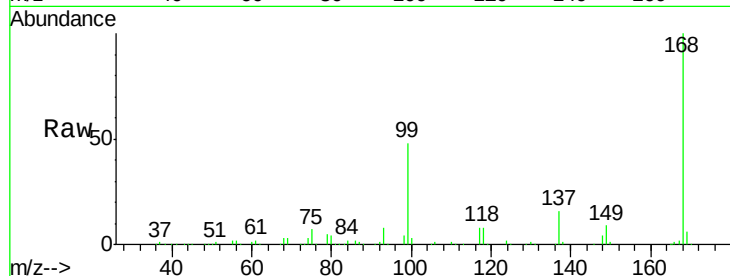
NORTH-AVE-TP

Tgt Ion:168 Resp: 267750

Ion Ratio Lower Upper

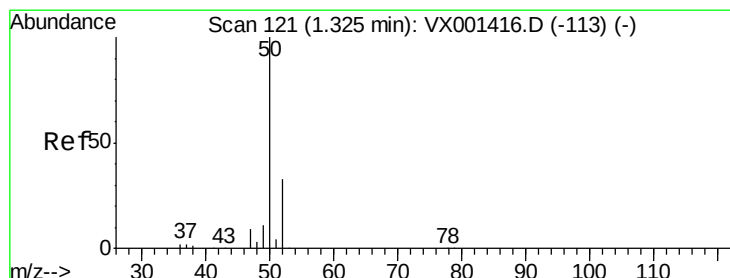
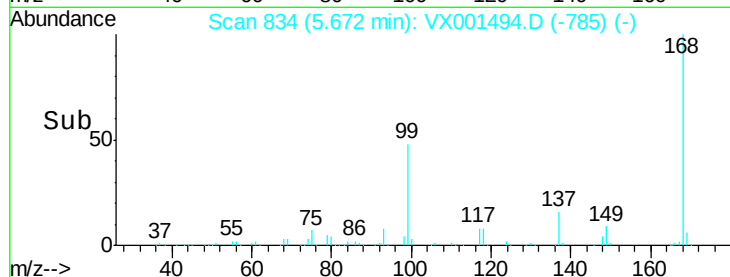
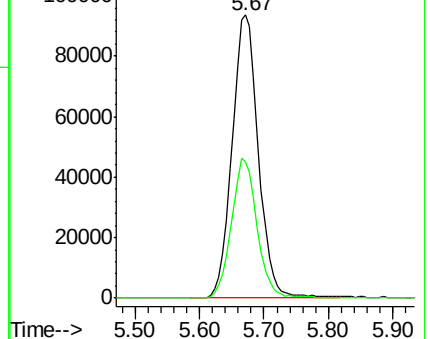
168 100

99 48.2 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.43 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001494.D

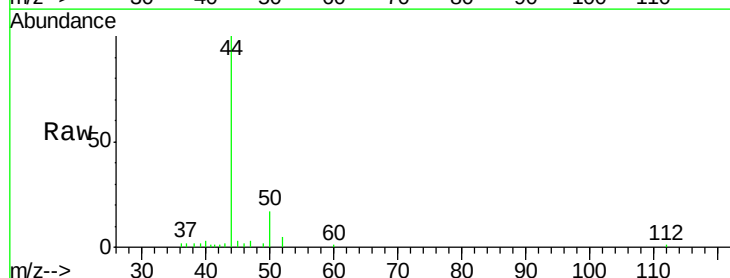
Acq: 08 May 2018 04:40

Tgt Ion: 50 Resp: 1498

Ion Ratio Lower Upper

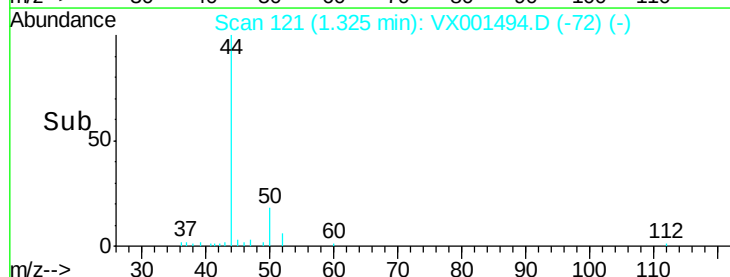
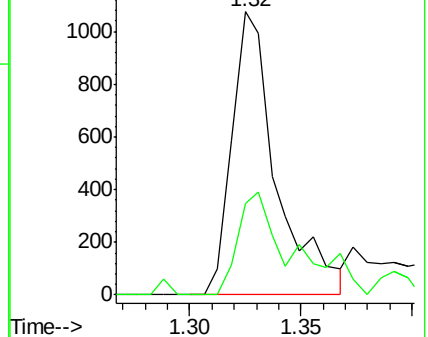
50 100

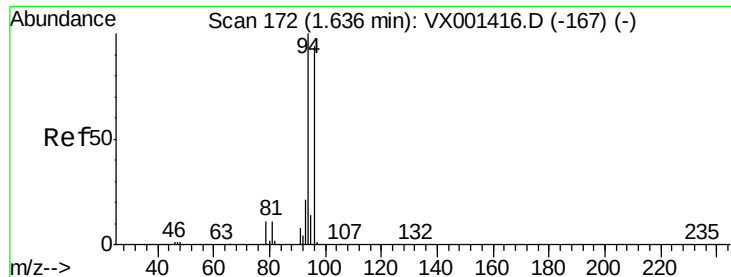
52 32.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001494.D

Acq: 08 May 2018 04:40

Instrument :

MSVOA_X

ClientSampleId :

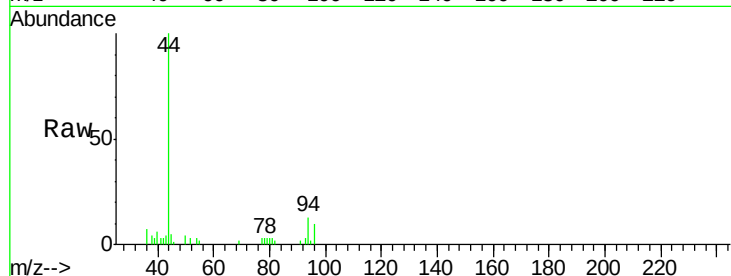
NORTH-AVE-TP

Tgt Ion: 94 Resp: 943

Ion Ratio Lower Upper

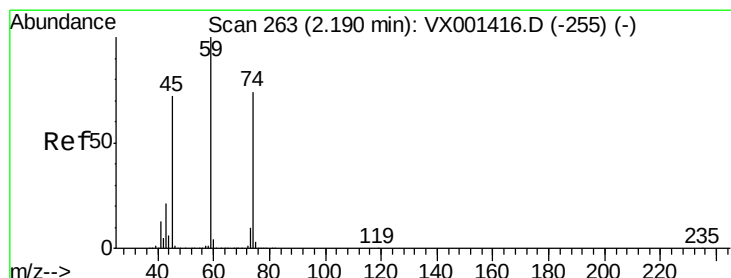
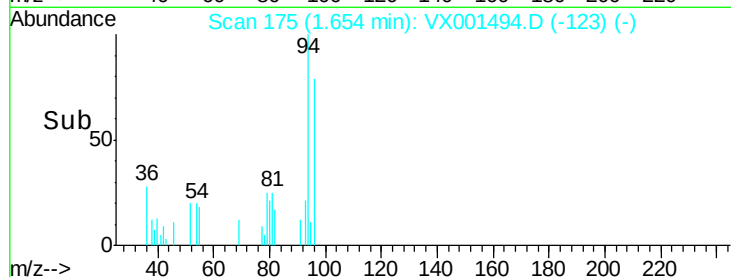
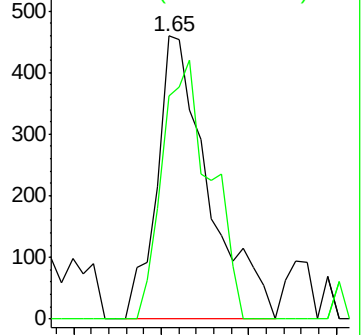
94 100

96 78.9 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.32 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001494.D

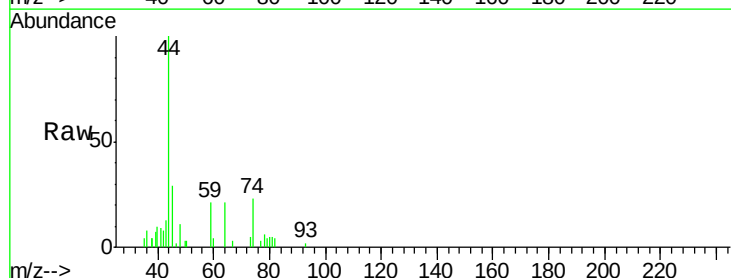
Acq: 08 May 2018 04:40

Tgt Ion: 74 Resp: 691

Ion Ratio Lower Upper

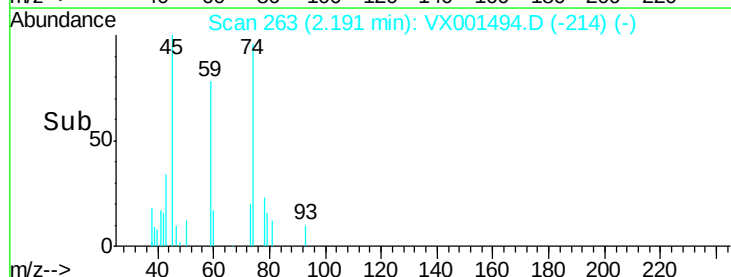
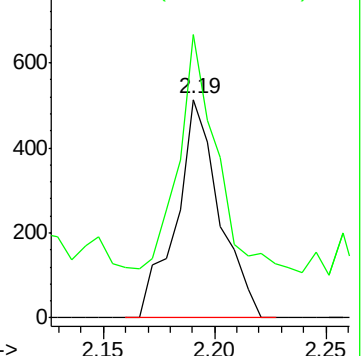
74 100

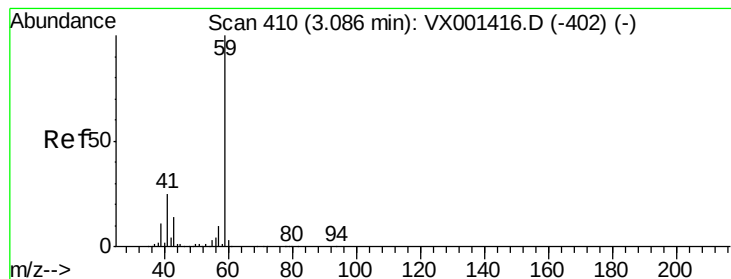
45 111.3 47.9 143.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



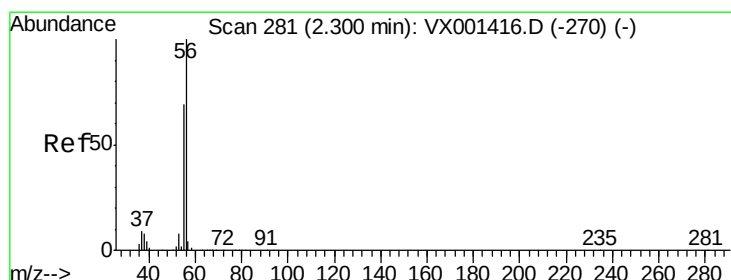
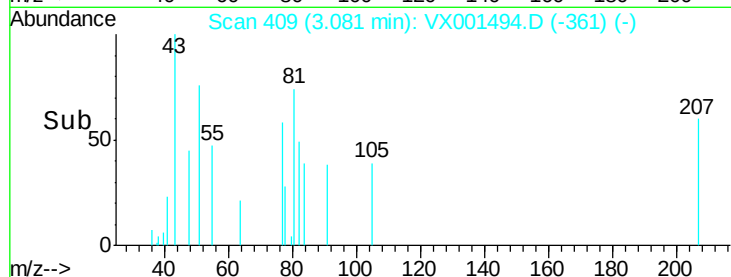
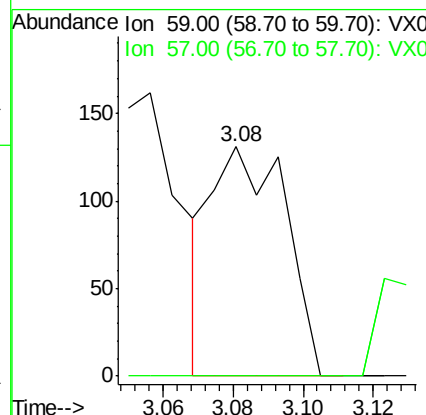
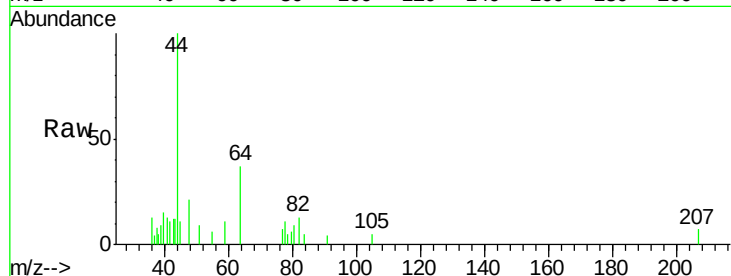


#11

Tert butyl alcohol
 Concen: 0.24 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX001494.D
 Acq: 08 May 2018 04:40

Instrument :
 MSVOA_X
 ClientSampleId :
 NORTH-AVE-TP

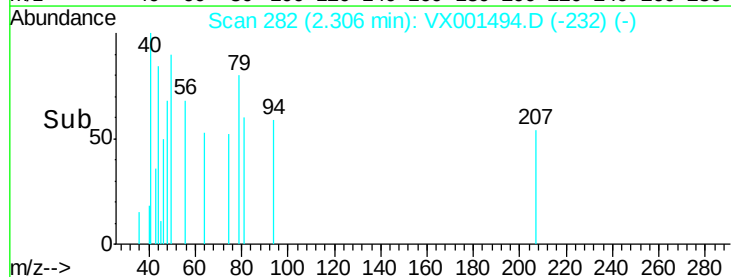
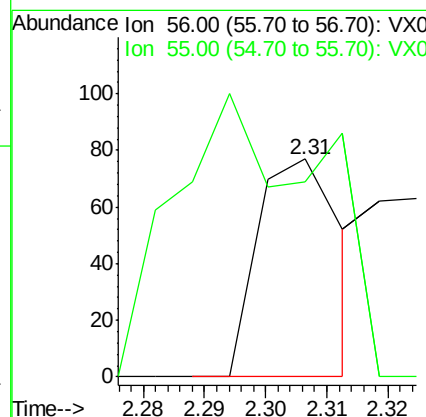
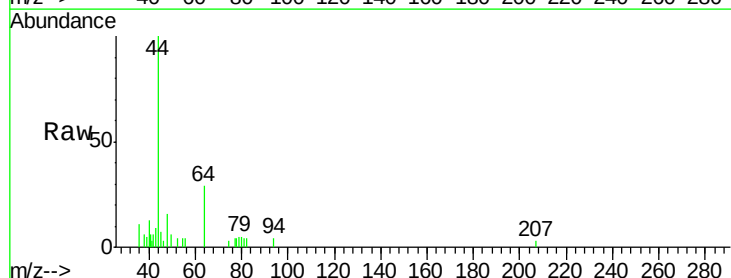
Tgt Ion: 59 Resp: 191
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

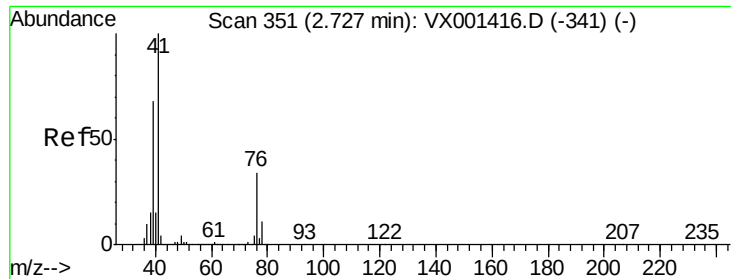


#13

Acrolein
 Concen: Below Cal
 RT: 2.31 min Scan# 282
 Delta R.T. 0.01 min
 Lab File: VX001494.D
 Acq: 08 May 2018 04:40

Tgt Ion: 56 Resp: 73
 Ion Ratio Lower Upper
 56 100
 55 226.0 54.5 81.7#

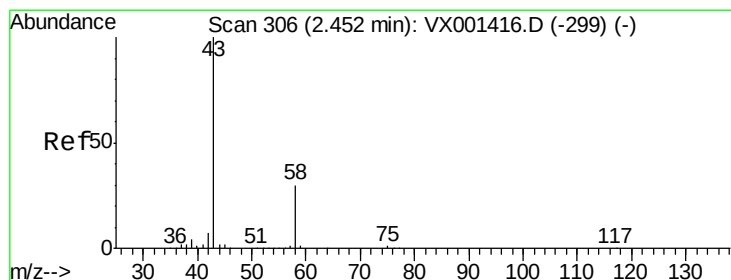
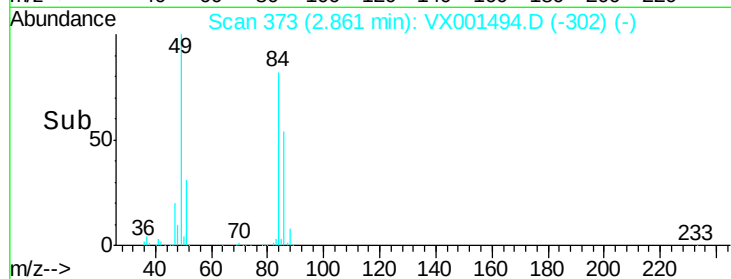
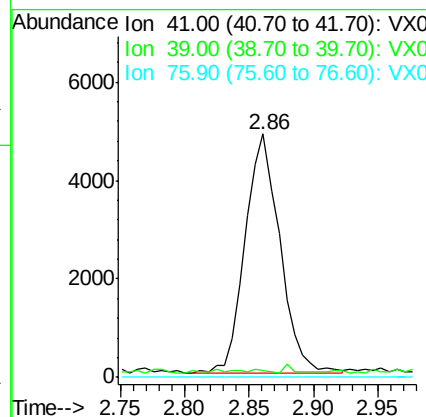
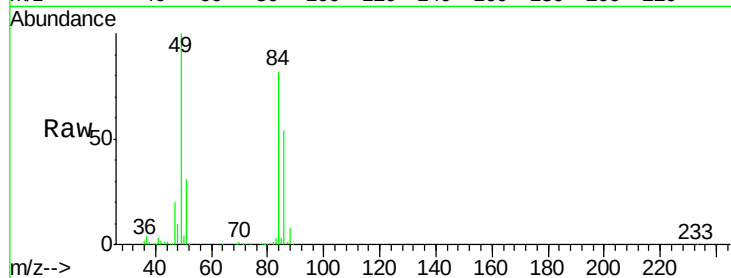




#14
 Allyl chloride
 Concen: 1.64 ug/l
 RT: 2.86 min Scan# 373
 Delta R.T. 0.13 min
 Lab File: VX001494.D
 Acq: 08 May 2018 04:40

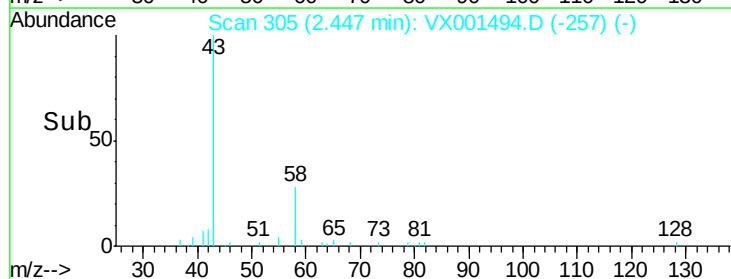
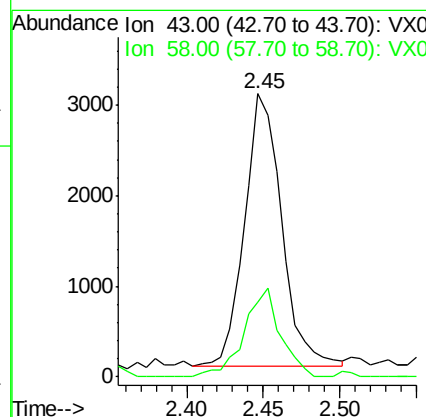
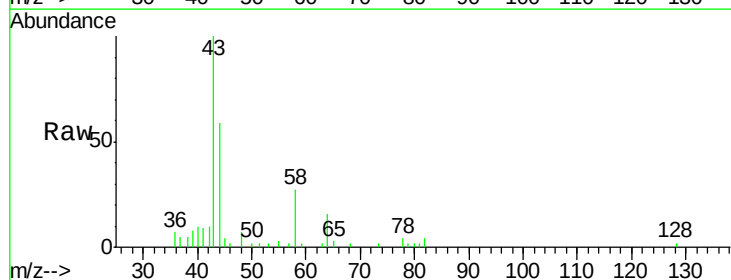
Instrument :
 MSVOA_X
 ClientSampleId :
 NORTH-AVE-TP

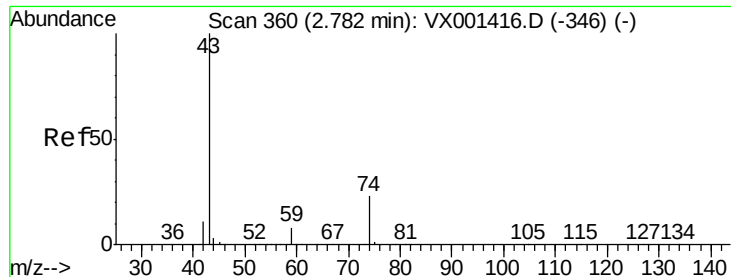
Tgt Ion: 41 Resp: 9047
 Ion Ratio Lower Upper
 41 100
 39 0.7 52.4 78.6#
 76 0.0 25.8 38.6#



#16
 Acetone
 Concen: 2.92 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX001494.D
 Acq: 08 May 2018 04:40

Tgt Ion: 43 Resp: 5105
 Ion Ratio Lower Upper
 43 100
 58 27.6 23.8 35.8

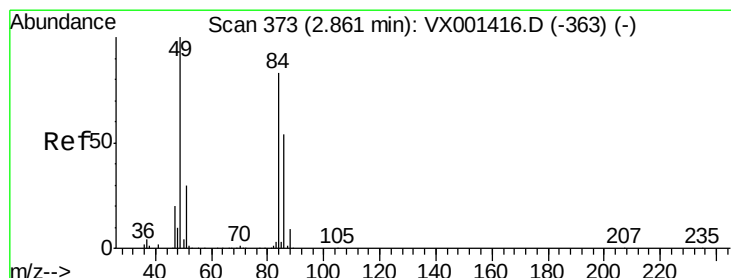
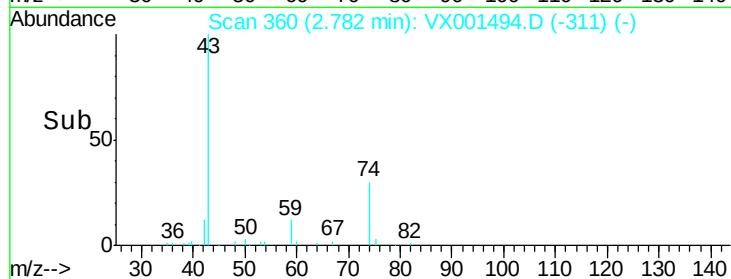
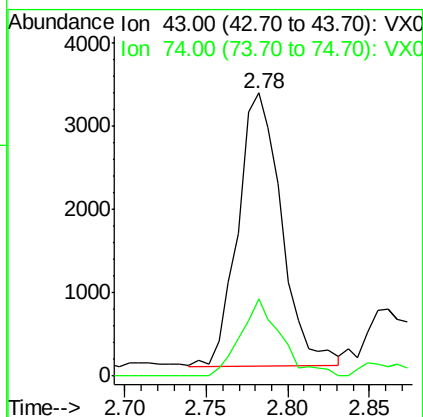
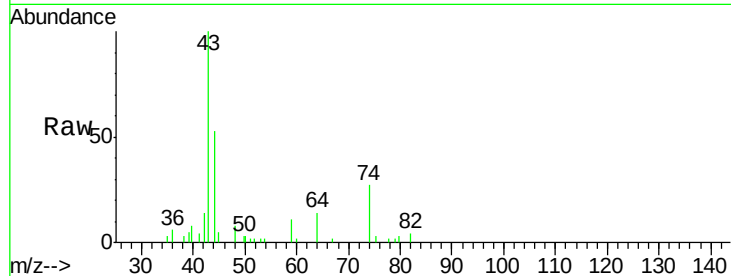




#18
Methyl Acetate
Concen: 1.32 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001494.D
Acq: 08 May 2018 04:40

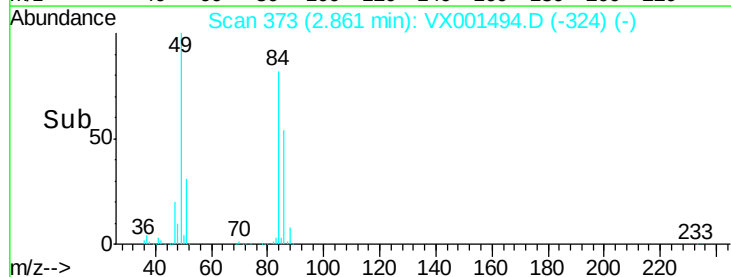
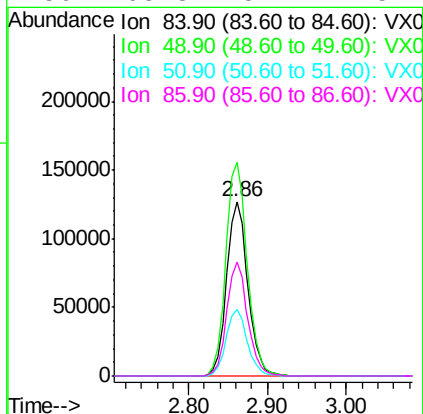
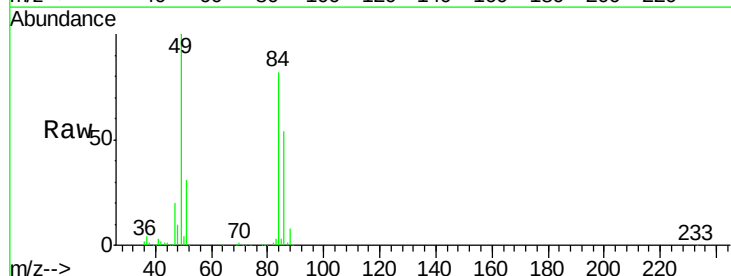
Instrument :
MSVOA_X
ClientSampleId :
NORTH-AVE-TP

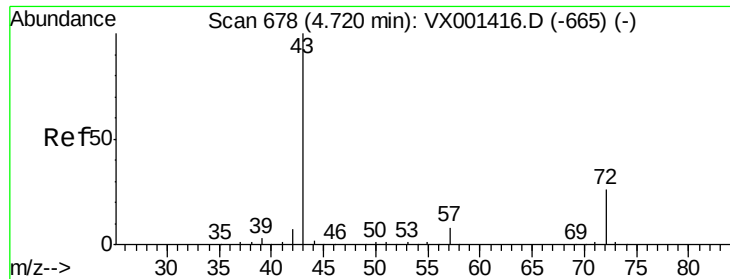
Tgt Ion: 43 Resp: 6039
Ion Ratio Lower Upper
43 100
74 26.5 18.6 27.8



#20
Methylene Chloride
Concen: 68.60 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001494.D
Acq: 08 May 2018 04:40

Tgt Ion: 84 Resp: 237337
Ion Ratio Lower Upper
84 100
49 122.7 96.6 144.8
51 38.5 29.0 43.4
86 65.8 52.2 78.4





#25

2-Butanone

Concen: 0.50 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX001494.D

Acq: 08 May 2018 04:40

Instrument :

MSVOA_X

ClientSampleId :

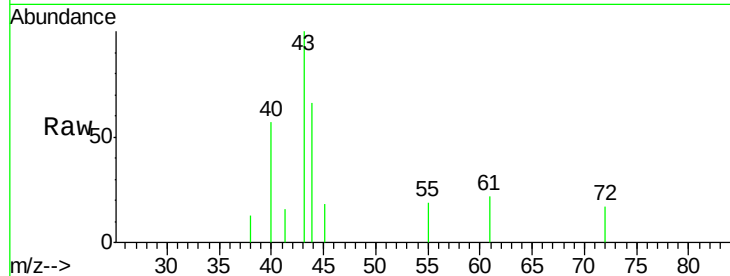
NORTH-AVE-TP

Tgt Ion: 43 Resp: 1251

Ion Ratio Lower Upper

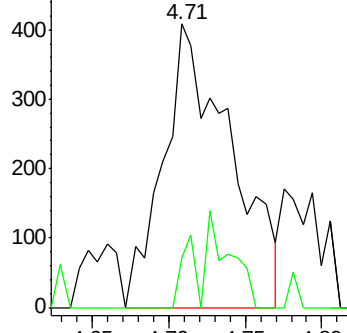
43 100

72 17.4 20.7 31.1#

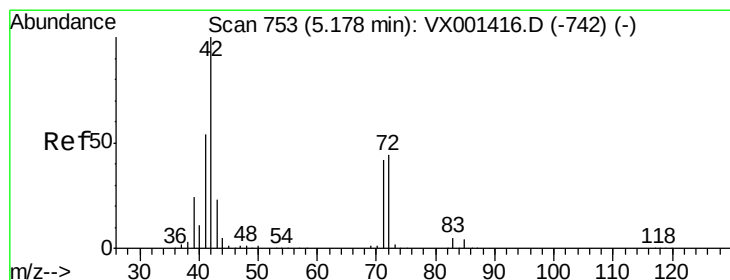
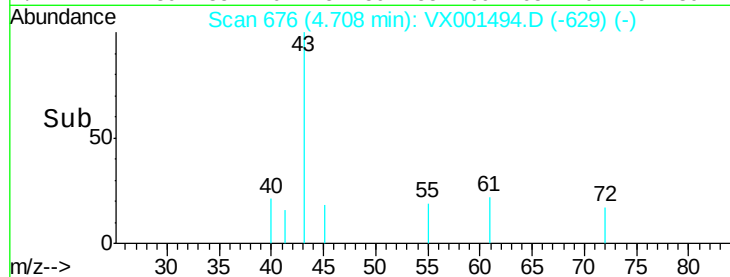


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001494.D

Acq: 08 May 2018 04:40

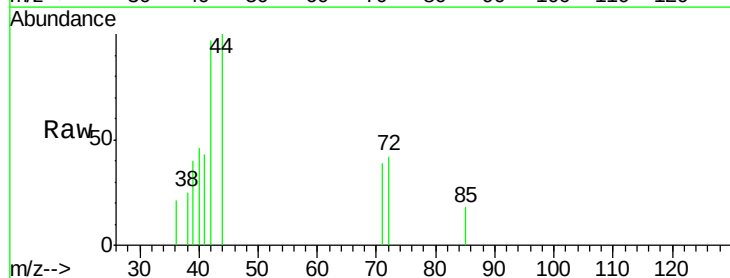
Tgt Ion: 42 Resp: 815

Ion Ratio Lower Upper

42 100

72 27.4 35.4 53.2#

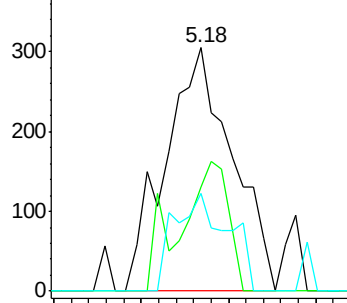
71 32.1 33.0 49.4#



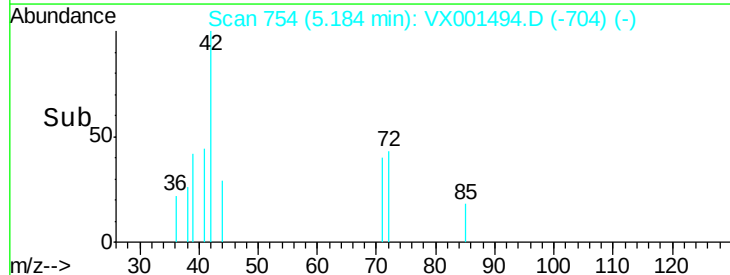
Abundance Ion 42.00 (41.70 to 42.70): VX0

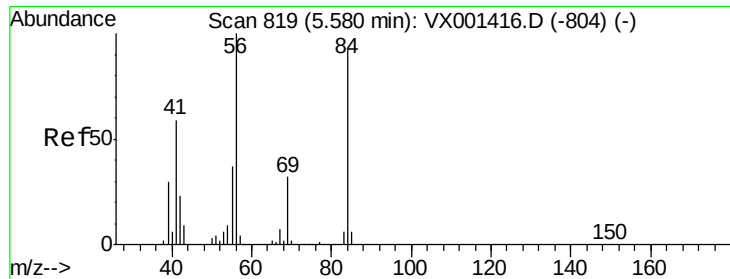
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->

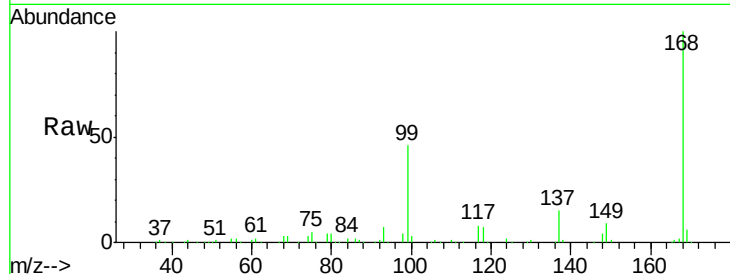




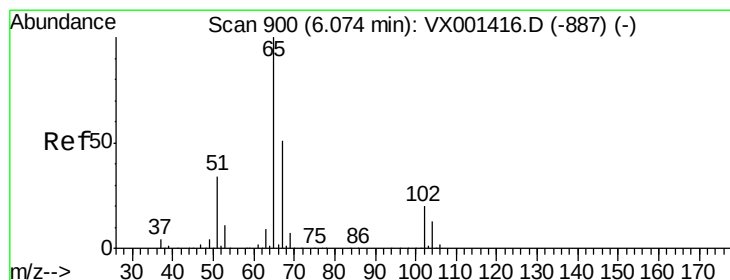
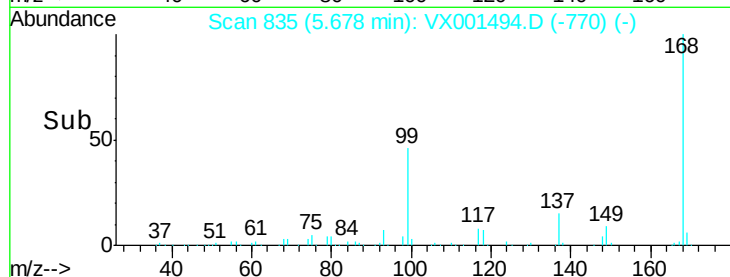
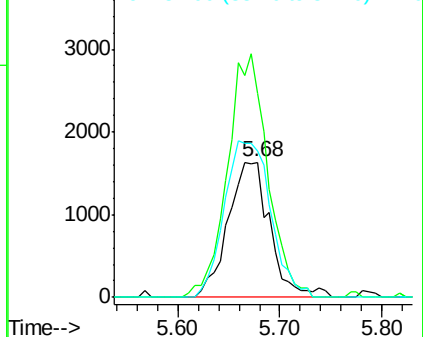
#31
Cyclohexane
Concen: 0.95 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.10 min
Lab File: VX001494.D
Acq: 08 May 2018 04:40

Instrument :
MSVOA_X
ClientSampleId :
NORTH-AVE-TP

Tgt Ion: 56 Resp: 4689
Ion Ratio Lower Upper
56 100
69 150.1 25.4 38.0#
84 108.5 73.8 110.8

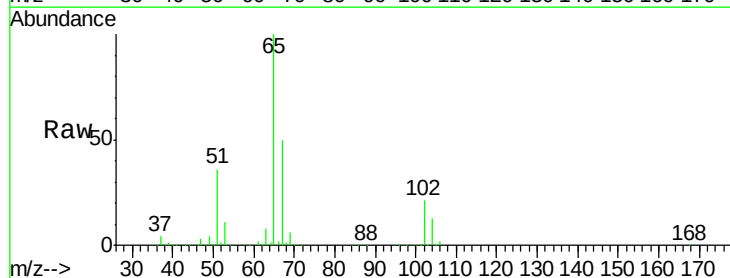


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

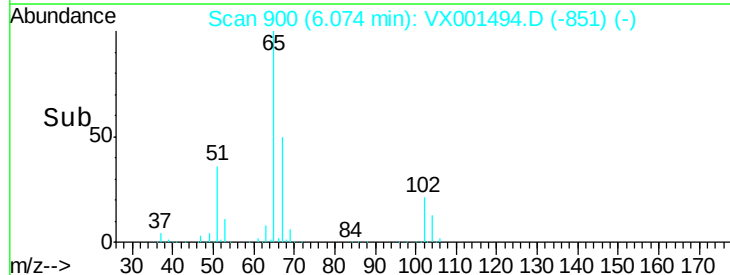
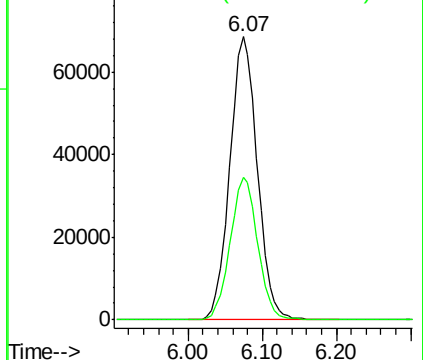


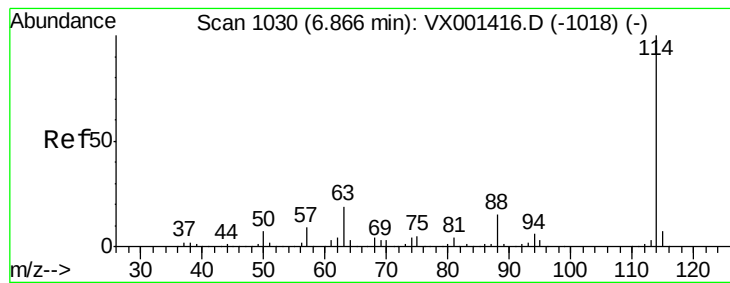
#33
1,2-Dichloroethane-d4
Concen: 46.21 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001494.D
Acq: 08 May 2018 04:40

Tgt Ion: 65 Resp: 177844
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001494.D

Acq: 08 May 2018 04:40

Instrument :

MSVOA_X

ClientSampleId :

NORTH-AVE-TP

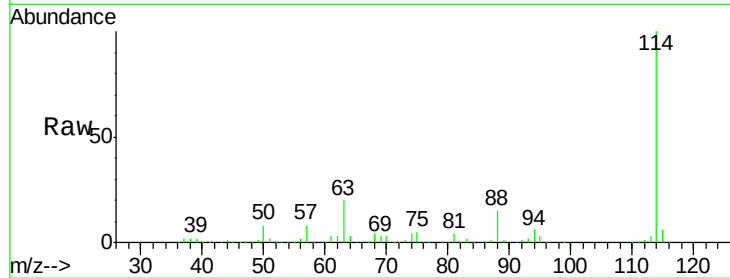
Tgt Ion:114 Resp: 361611

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.6

88 15.0 0.0 30.8



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

6.87

150000

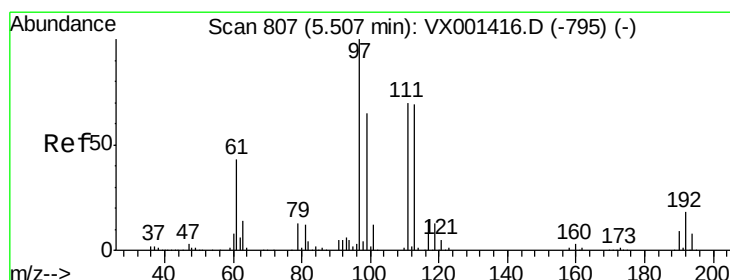
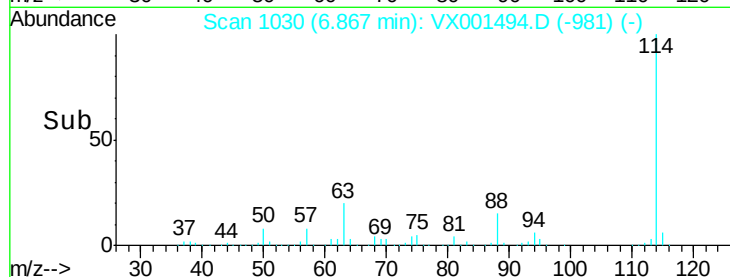
100000

50000

0

Time-->

6.70 6.80 6.90 7.00 7.10



#35

Dibromofluoromethane

Concen: 42.79 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001494.D

Acq: 08 May 2018 04:40

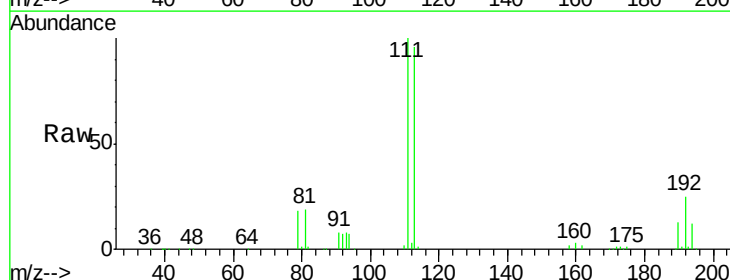
Tgt Ion:113 Resp: 137627

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 26.2 21.4 32.0



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

5.51

60000

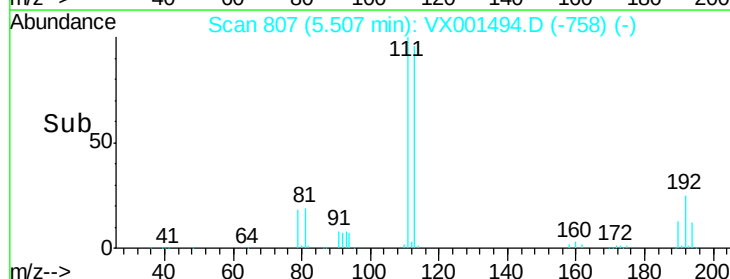
40000

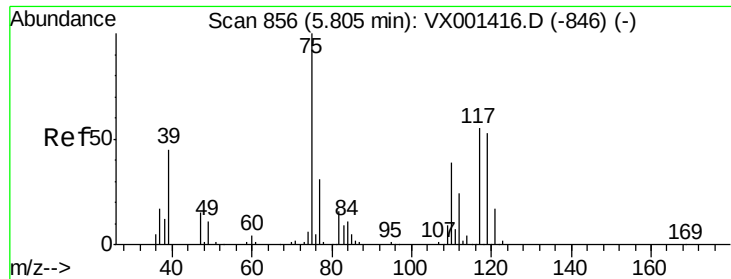
20000

0

Time-->

5.40 5.50 5.60

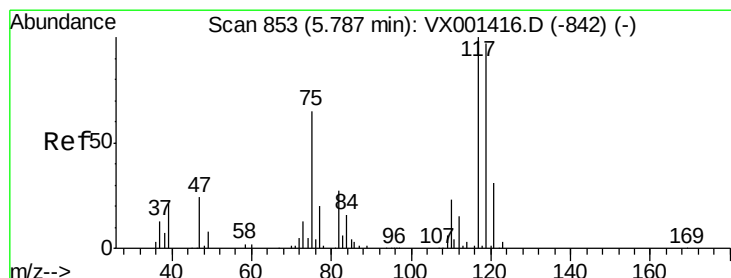
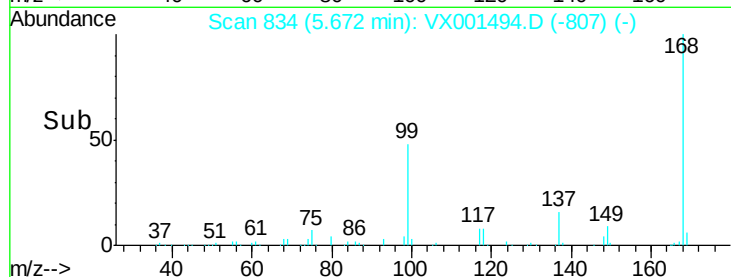
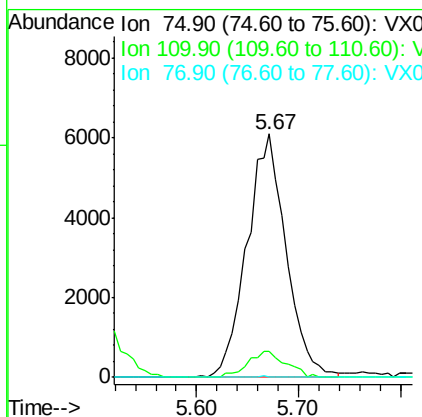
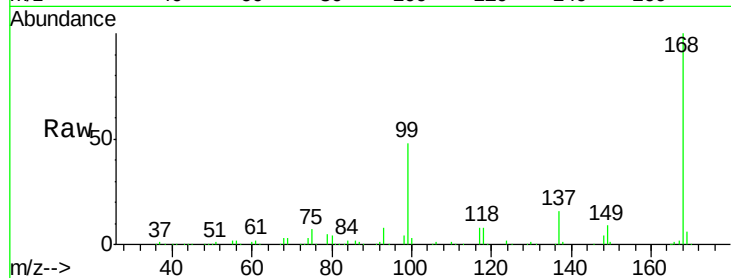




#36
 1,1-Dichloropropene
 Concen: 3.53 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001494.D
 Acq: 08 May 2018 04:40

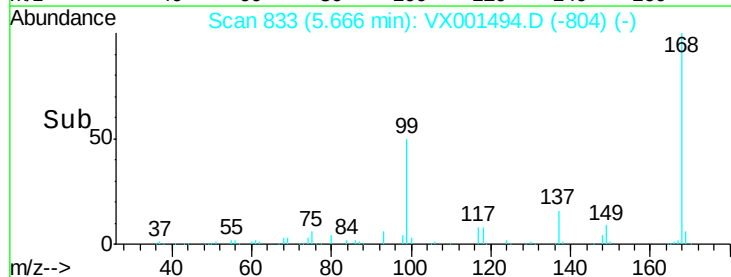
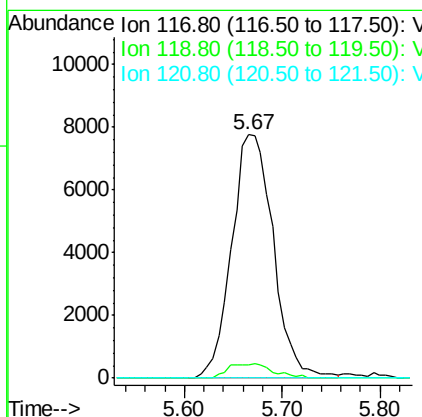
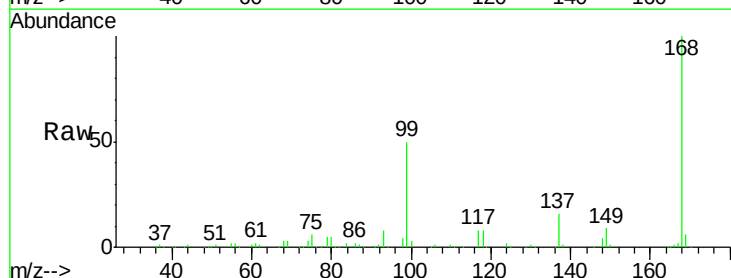
Instrument :
 MSVOA_X
 ClientSampleId :
 NORTH-AVE-TP

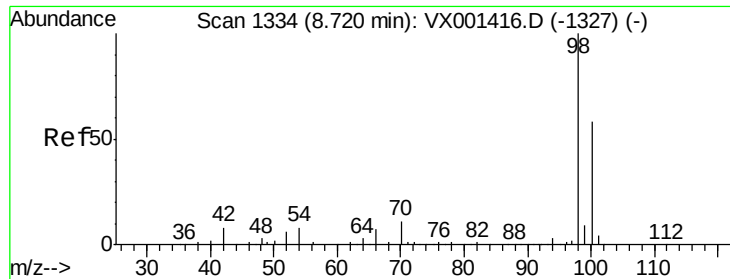
Tgt Ion: 75 Resp: 16241
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.9 56.7#
 77 0.1 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 4.66 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001494.D
 Acq: 08 May 2018 04:40

Tgt Ion: 117 Resp: 22873
 Ion Ratio Lower Upper
 117 100
 119 5.6 77.0 115.6#
 121 0.0 25.1 37.7#

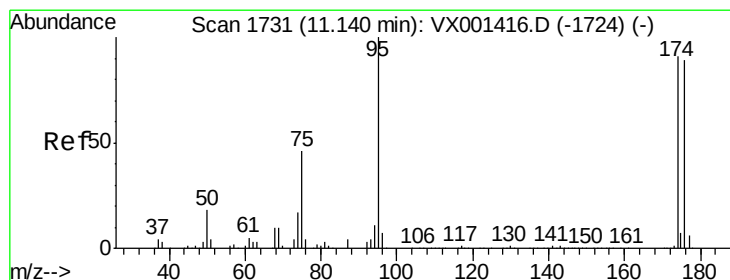
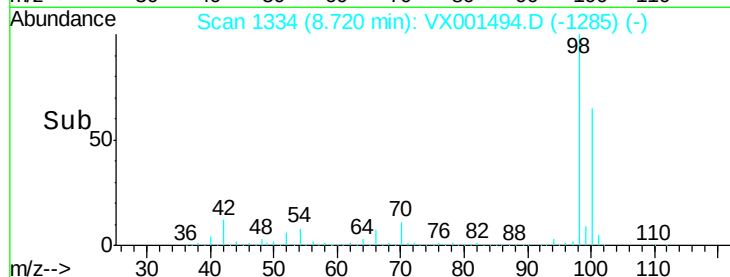
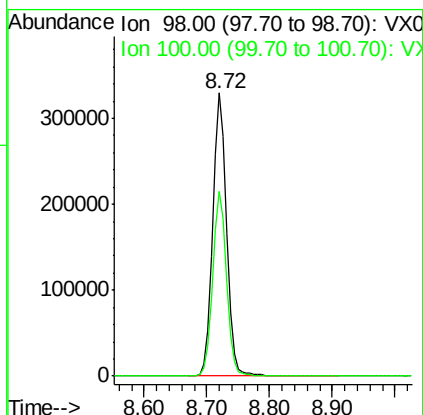
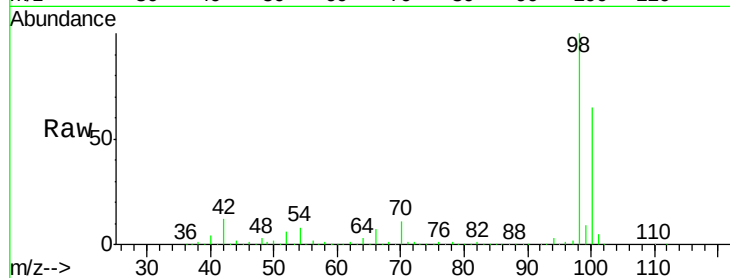




#50
Toluene-d8
Concen: 42.76 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001494.D
Acq: 08 May 2018 04:40

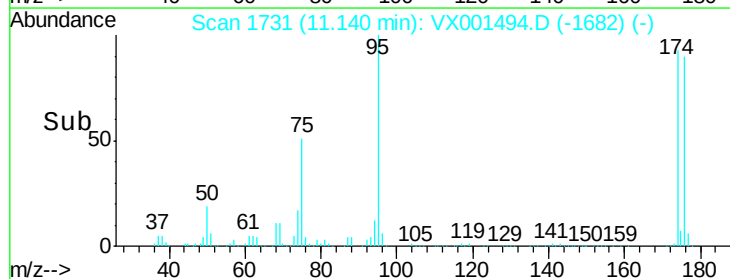
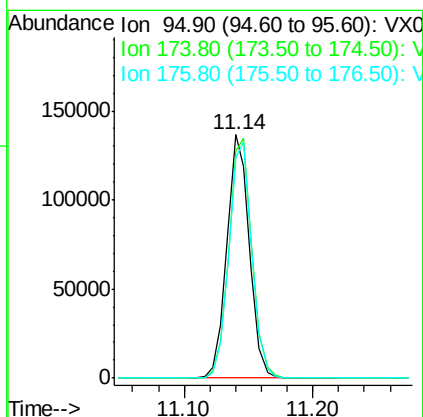
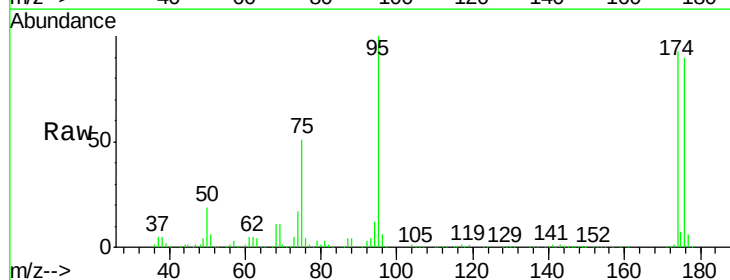
Instrument :
MSVOA_X
ClientSampleId :
NORTH-AVE-TP

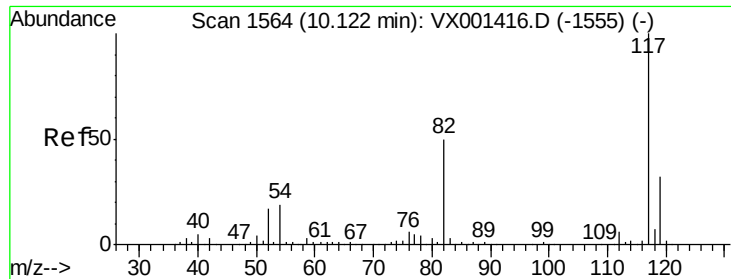
Tgt Ion: 98 Resp: 502025
Ion Ratio Lower Upper
98 100
100 65.4 54.0 81.0



#62
4-Bromofluorobenzene
Concen: 37.28 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001494.D
Acq: 08 May 2018 04:40

Tgt Ion: 95 Resp: 168041
Ion Ratio Lower Upper
95 100
174 100.7 0.0 202.0
176 98.3 0.0 197.4

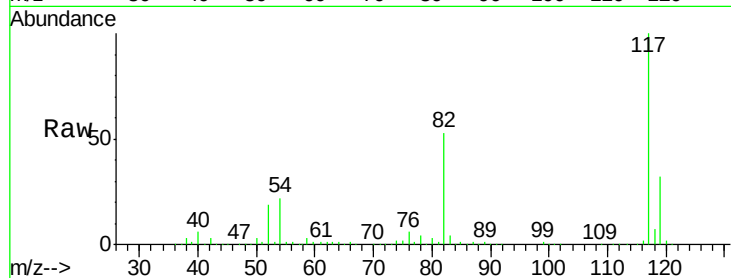




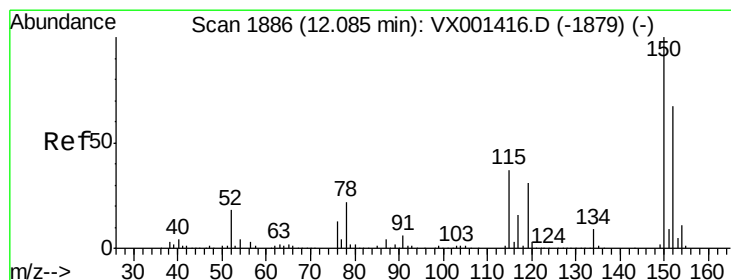
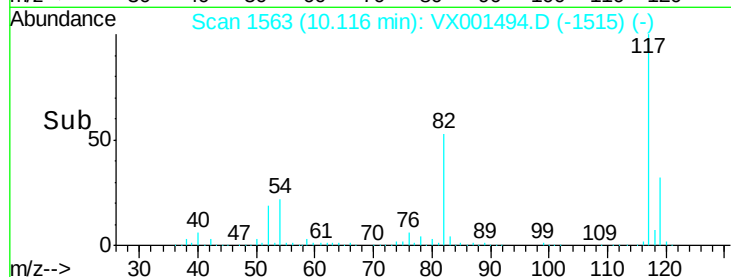
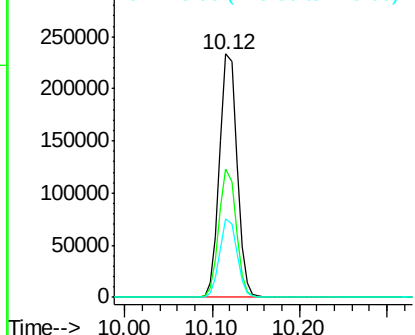
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001494.D
Acq: 08 May 2018 04:40

Instrument :
MSVOA_X
ClientSampleId :
NORTH-AVE-TP

Tgt Ion:117 Resp: 323507
Ion Ratio Lower Upper
117 100
82 52.9 40.0 60.0
119 32.2 25.8 38.8

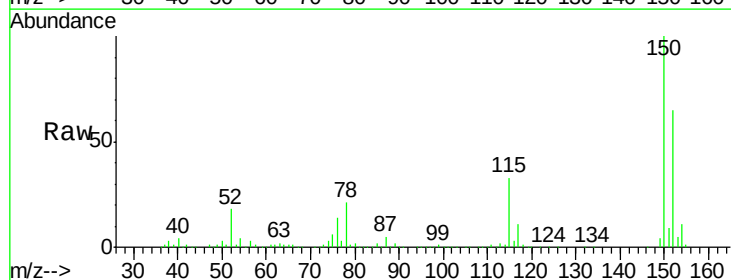


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

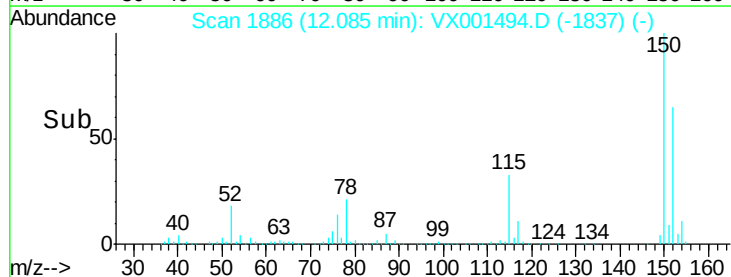
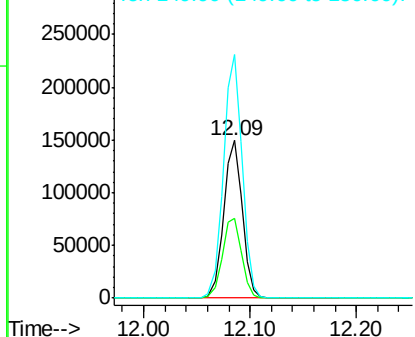


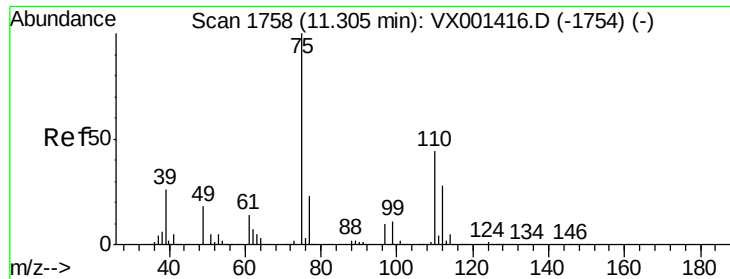
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001494.D
Acq: 08 May 2018 04:40

Tgt Ion:152 Resp: 182445
Ion Ratio Lower Upper
152 100
115 52.6 37.7 113.1
150 155.3 0.0 349.4



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

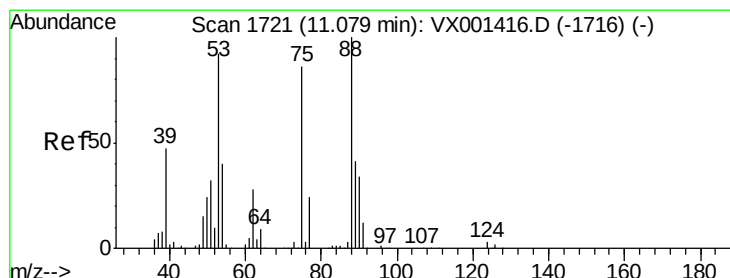
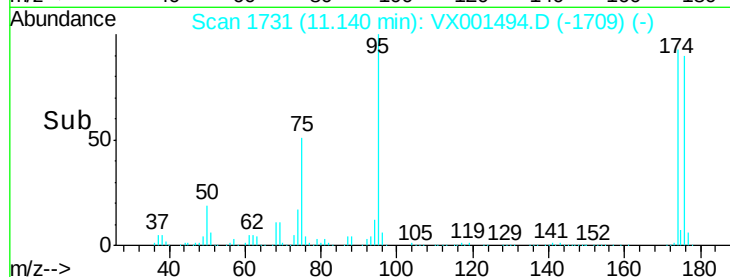
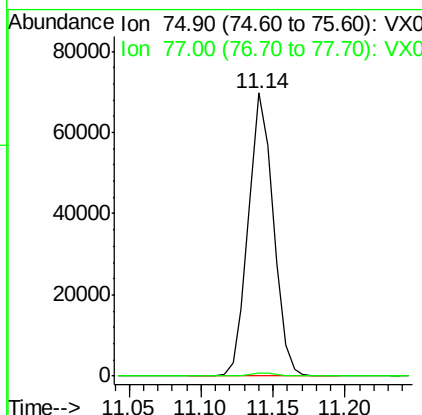
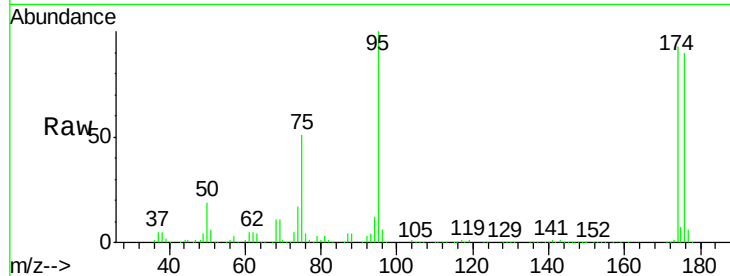




#76
 1,2,3-Trichloropropane
 Concen: 22.61 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001494.D
 Acq: 08 May 2018 04:40

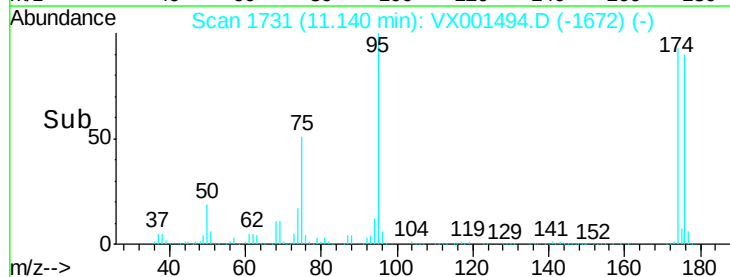
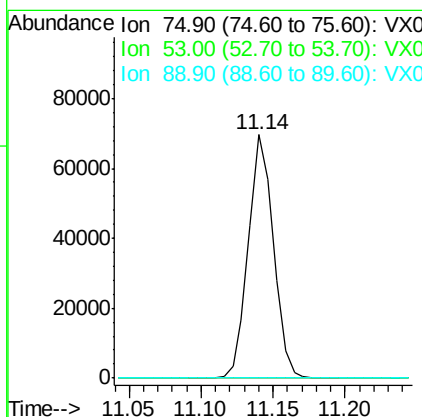
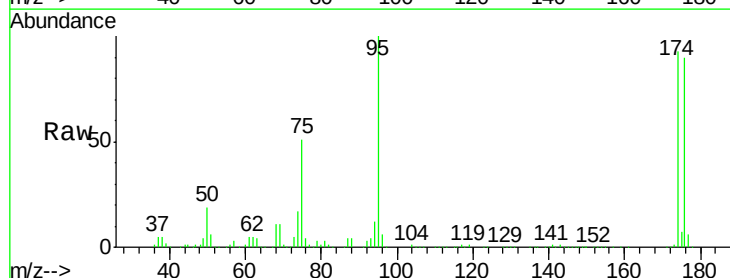
Instrument :
 MSVOA_X
 ClientSampleId :
 NORTH-AVE-TP

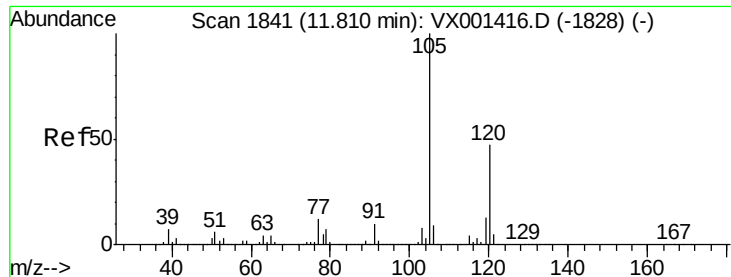
Tgt Ion: 75 Resp: 83670
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.20 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001494.D
 Acq: 08 May 2018 04:40

Tgt Ion: 75 Resp: 83670
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#

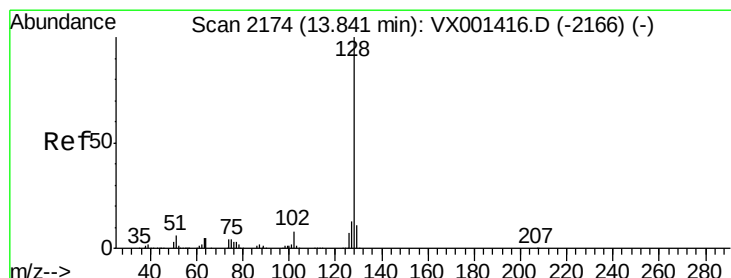
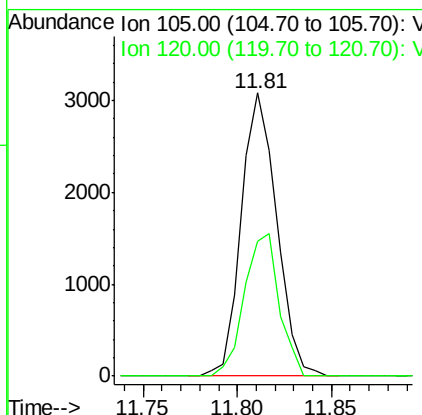
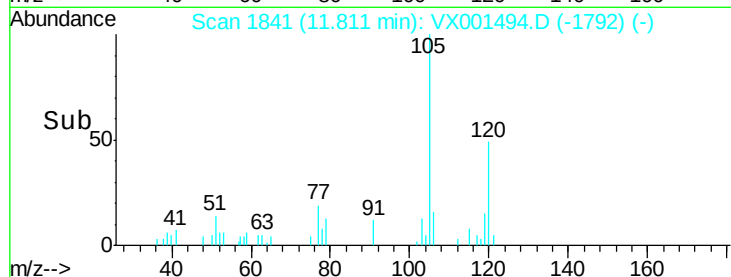
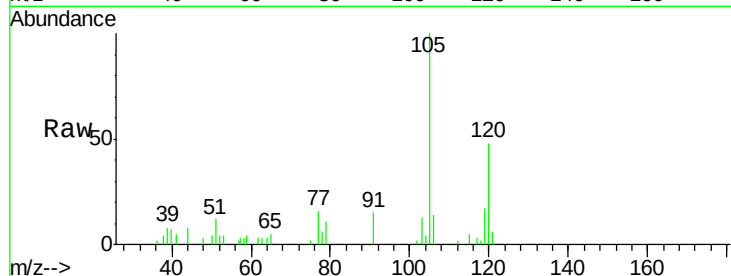




#84
 1,2,4-Trimethylbenzene
 Concen: 0.37 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001494.D
 Acq: 08 May 2018 04:40

Instrument :
 MSVOA_X
 ClientSampleId :
 NORTH-AVE-TP

Tgt Ion:105 Resp: 4007
 Ion Ratio Lower Upper
 105 100
 120 49.5 23.4 70.2



#95
 Naphthalene
 Concen: 2.26 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX001494.D
 Acq: 08 May 2018 04:40

Tgt Ion:128 Resp: 30498
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.4 15.6
 129 10.6 8.7 13.1

