

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
 Data File : VX005158.D
 Acq On : 09 Oct 2018 14:54
 Operator : JC/MD
 Sample : VX1009MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1009MBL01

Quant Time: Oct 10 05:51:46 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	192035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	288651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160205	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	144858	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
35) Dibromofluoromethane	5.50	113	118852	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.72	98	420404	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	11.14	95	149150	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	

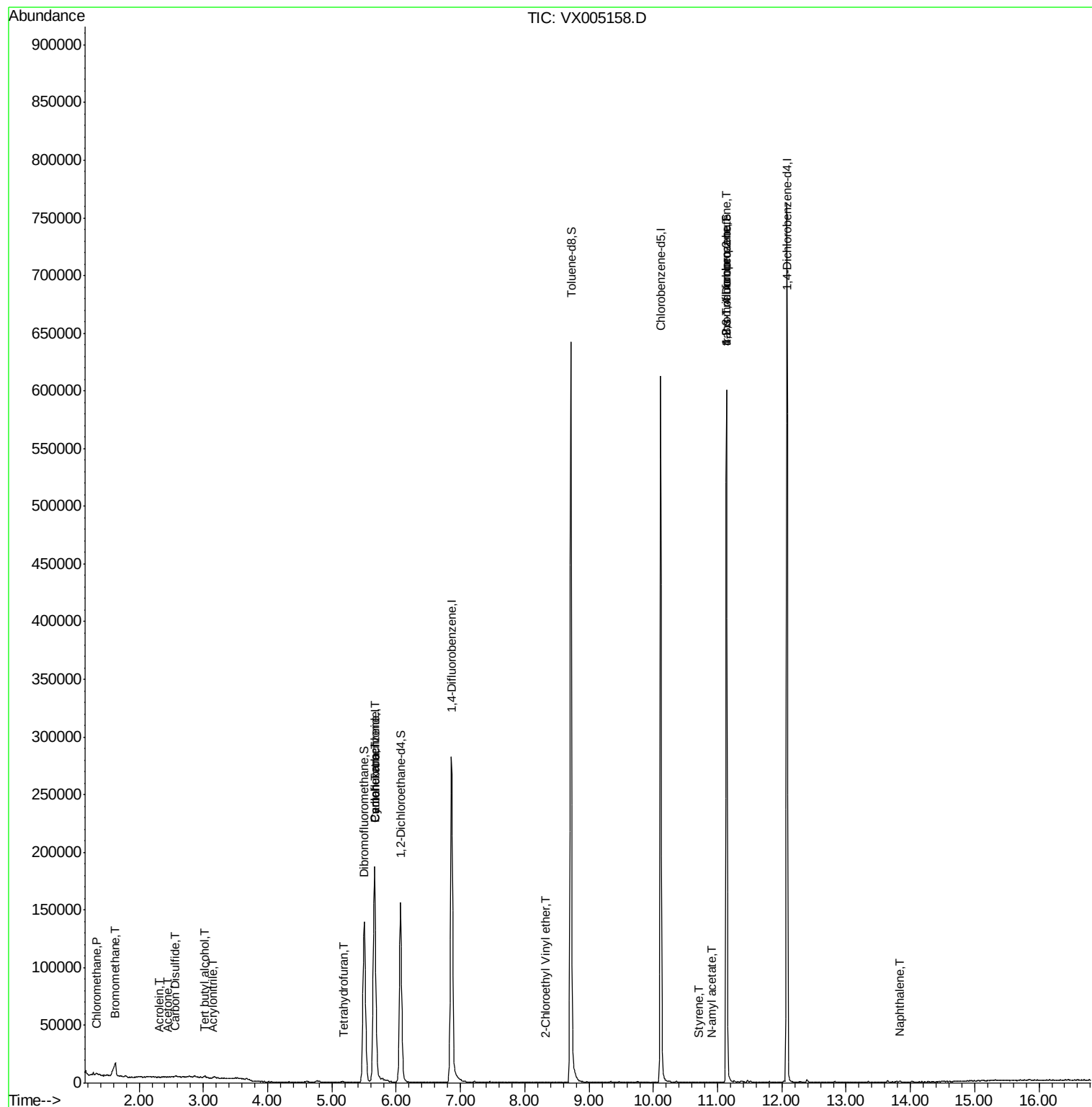
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	663	0.209	ug/l #	87
5) Bromomethane	1.64	94	655	0.371	ug/l #	61
6) Chloroethane	1.73	64	148	Below Cal	#	45
11) Tert butyl alcohol	3.02	59	1138	1.484	ug/l #	72
13) Acrolein	2.31	56	119	0.218	ug/l #	1
15) Acrylonitrile	3.15	53	676	0.400	ug/l #	70
16) Acetone	2.45	43	837	0.523	ug/l #	48
17) Carbon Disulfide	2.57	76	1725	0.276	ug/l #	81
20) Methylene Chloride	2.85	84	407	Below Cal	#	75
29) Tetrahydrofuran	5.18	42	698	0.476	ug/l	91
31) Cyclohexane	5.66	56	3782	1.084	ug/l #	1
38) Carbon Tetrachloride	5.66	117	16905	4.818	ug/l #	18
58) 2-Chloroethyl Vinyl ether	8.32	63	131	14.299	ug/l #	49
70) Styrene	10.72	104	229	2.168	ug/l #	43
74) N-amyl acetate	10.91	43	137	1.772	ug/l #	65
76) 1,2,3-Trichloropropane	11.14	75	73595	20.496	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	318	Below Cal		78
81) trans-1,4-Dichloro-2-buten	11.14	75	73595	55.665	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	426	Below Cal		89
95) Naphthalene	13.83	128	819	0.780	ug/l #	90

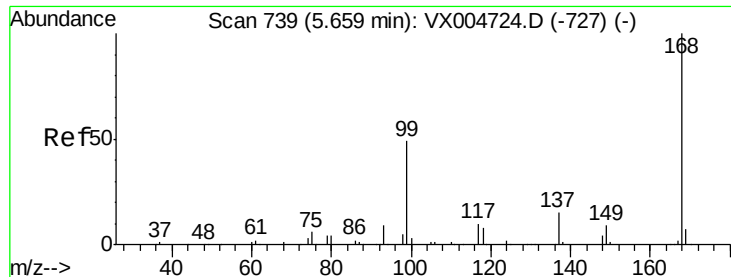
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00µ/10mL/100µL/5.0mL/MSVOA_X/MEOH
ALS Vial : 4 Sample Multiplier: 1

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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: VX005158.D

Acq: 09 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

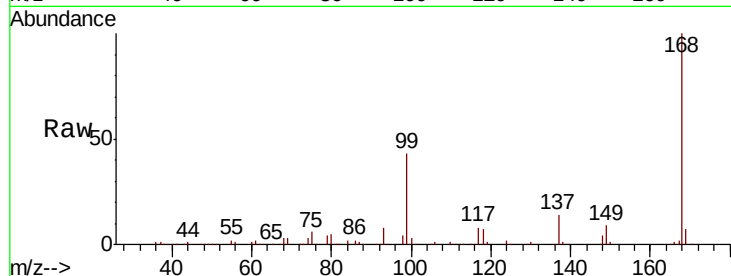
VX1009MBL01

Tot Ion:168 Resp: 192035

Ion Ratio Lower Upper

168 100

99 43.0 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

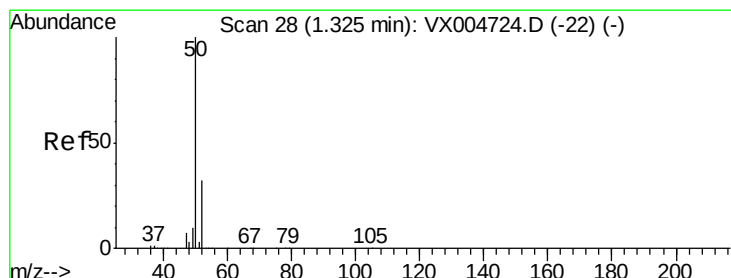
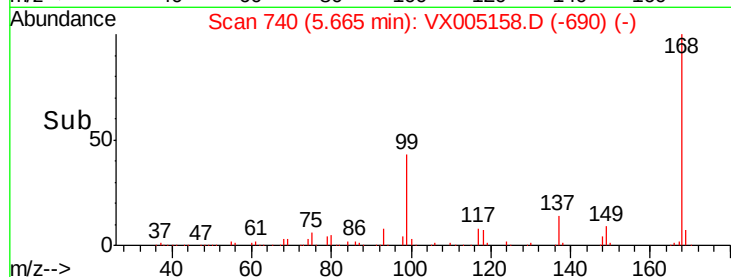
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.209 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005158.D

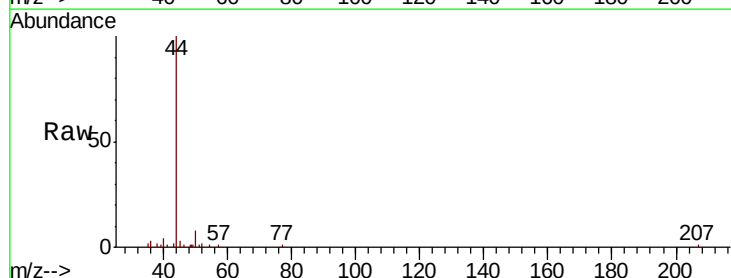
Acq: 09 Oct 2018 14:54

Tgt Ion: 50 Resp: 663

Ion Ratio Lower Upper

50 100

52 25.2 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

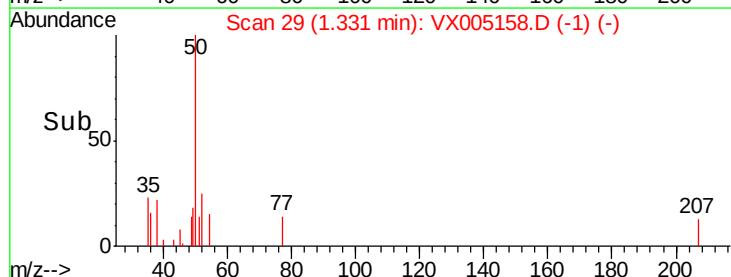
300

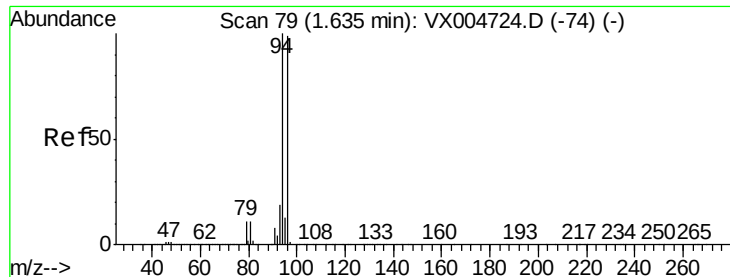
200

100

0

Time-->





#5

Bromomethane

Concen: 0.371 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005158.D

Acq: 09 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampled :

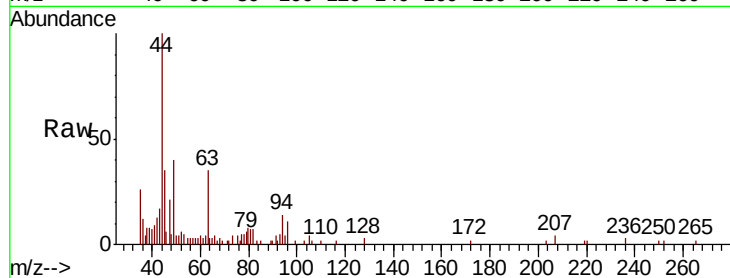
VX1009MBL01

Tot Ion: 94 Resp: 655

Ion Ratio Lower Upper

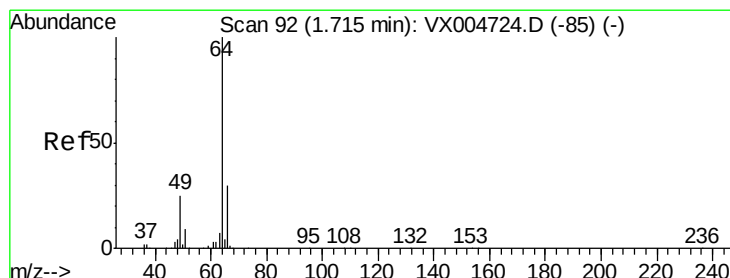
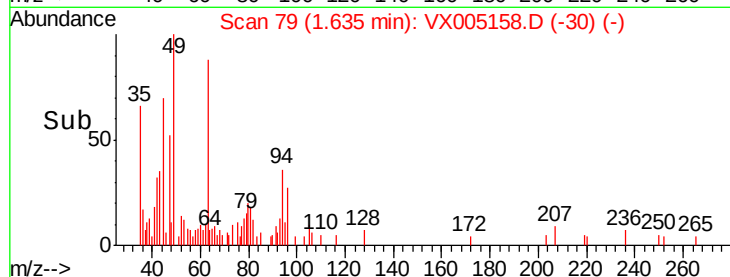
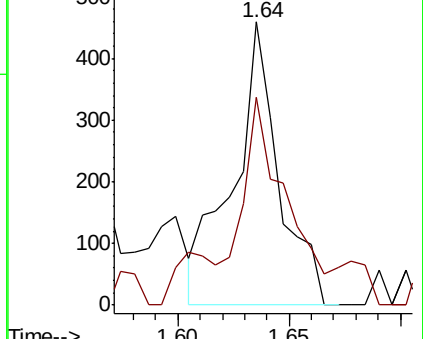
94 100

96 60.6 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX005158.D

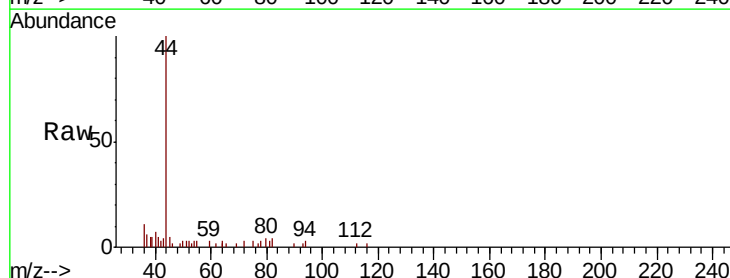
Acq: 09 Oct 2018 14:54

Tgt Ion: 64 Resp: 148

Ion Ratio Lower Upper

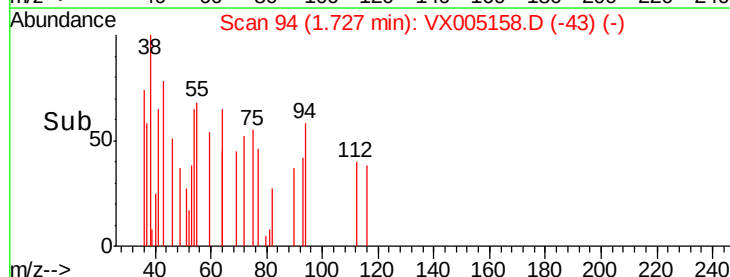
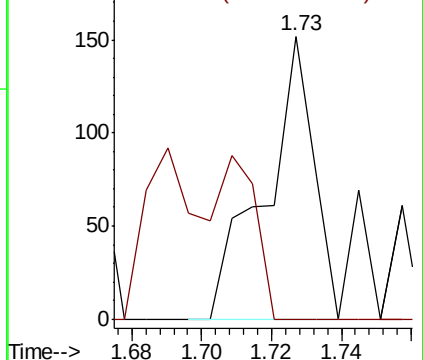
64 100

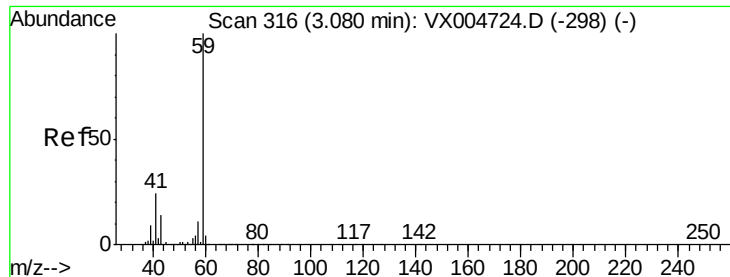
66 0.0 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



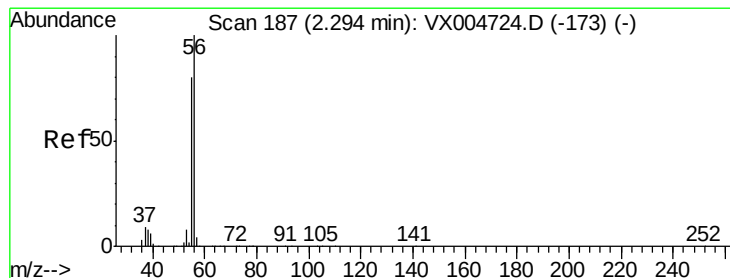
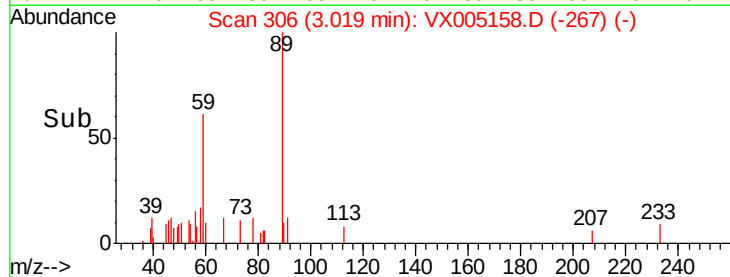
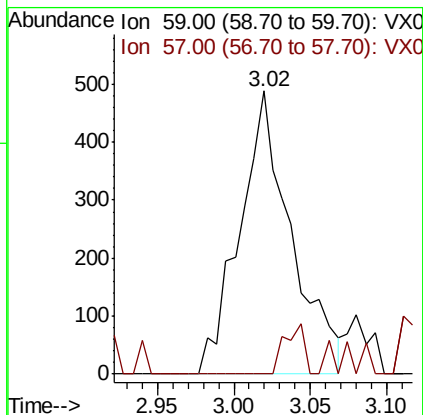
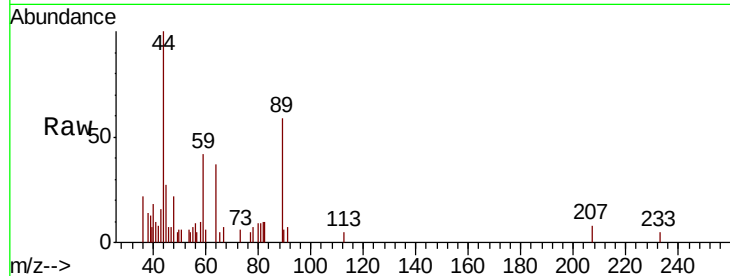


#11

Tert butyl alcohol
 Concen: 1.484 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005158.D
 Acq: 09 Oct 2018 14:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1009MBL01

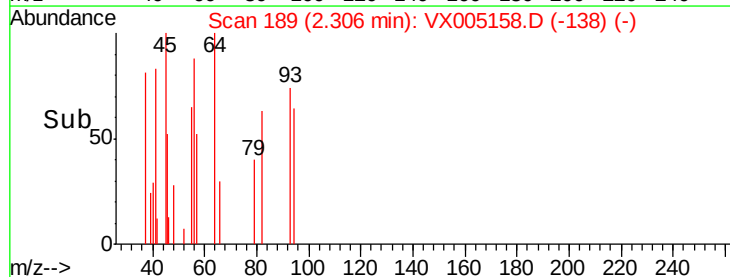
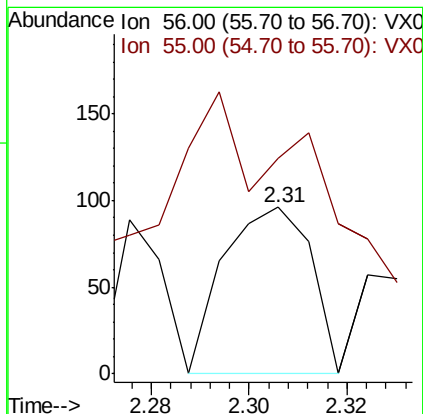
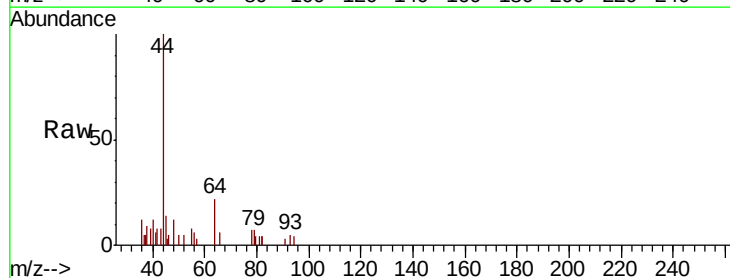
Tot Ion: 59 Resp: 1138
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

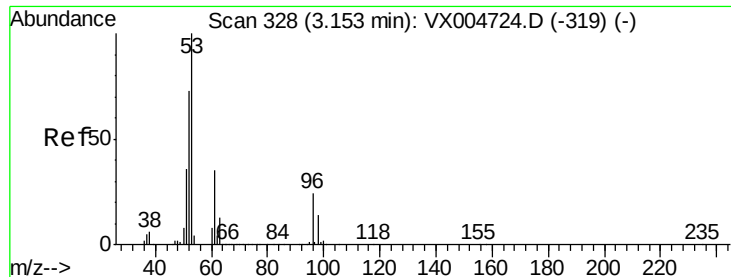


#13

Acrolein
 Concen: 0.218 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.01 min
 Lab File: VX005158.D
 Acq: 09 Oct 2018 14:54

Tgt Ion: 56 Resp: 119
 Ion Ratio Lower Upper
 56 100
 55 385.7 63.4 95.2#





#15

Acrylonitrile

Concen: 0.400 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005158.D

Acq: 09 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampled :

VX1009MBL01

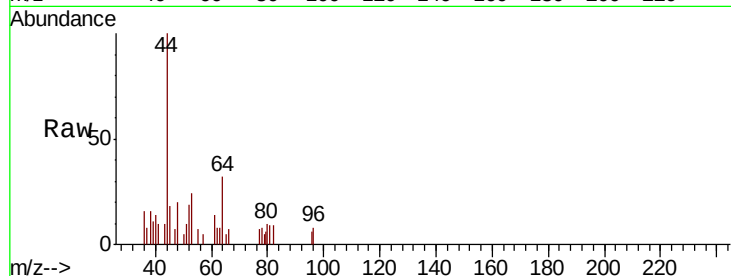
Tot Ion: 53 Resp: 676

Ion Ratio Lower Upper

53 100

52 93.2 63.0 94.4

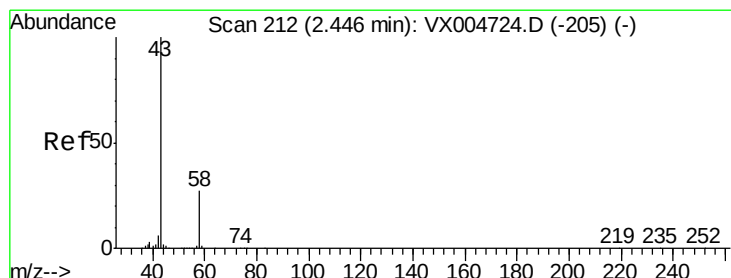
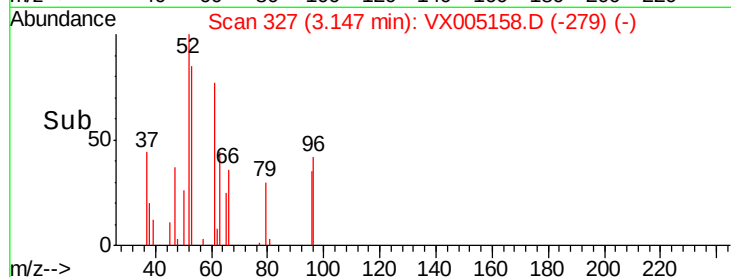
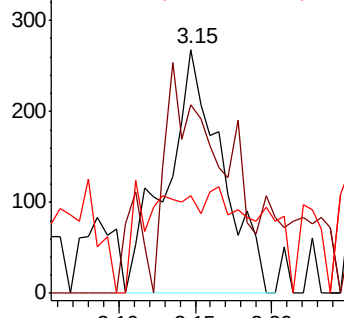
51 0.0 28.6 42.8#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.523 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005158.D

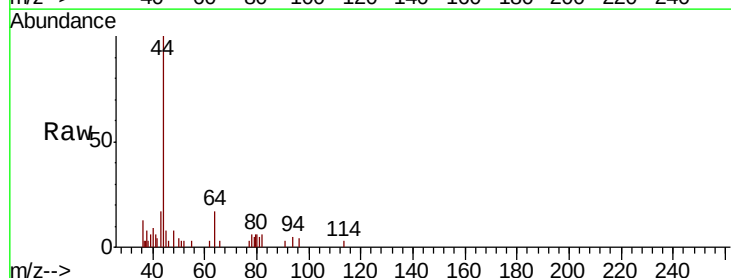
Acq: 09 Oct 2018 14:54

Tgt Ion: 43 Resp: 837

Ion Ratio Lower Upper

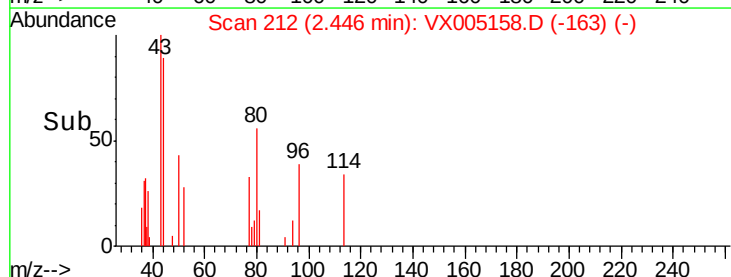
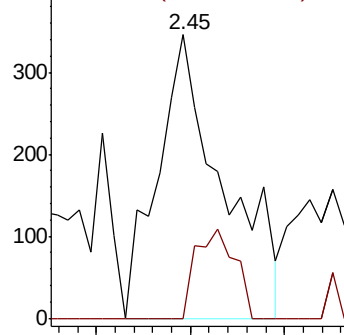
43 100

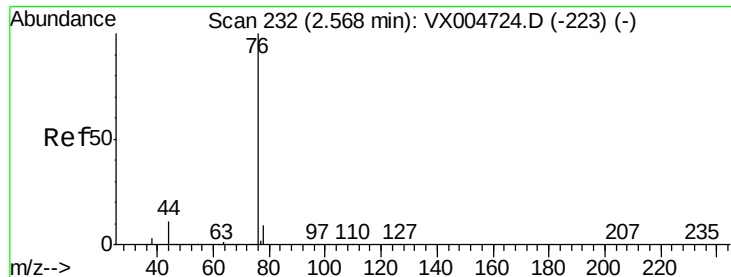
58 0.0 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.276 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005158.D

Acq: 09 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

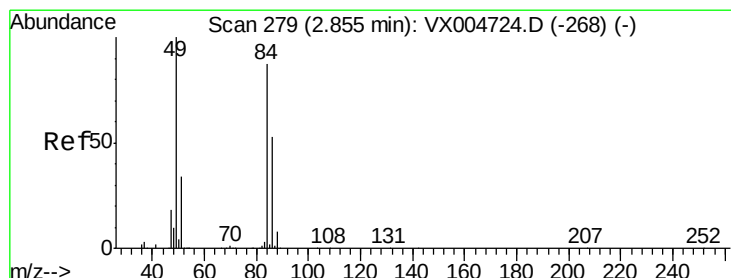
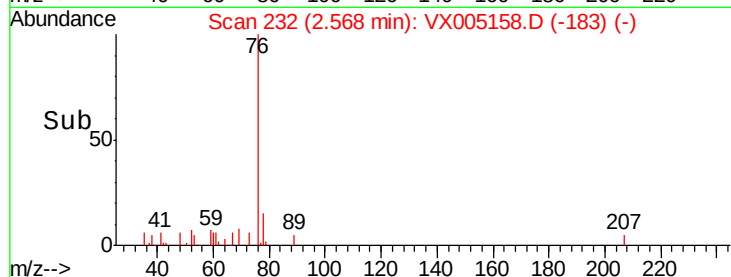
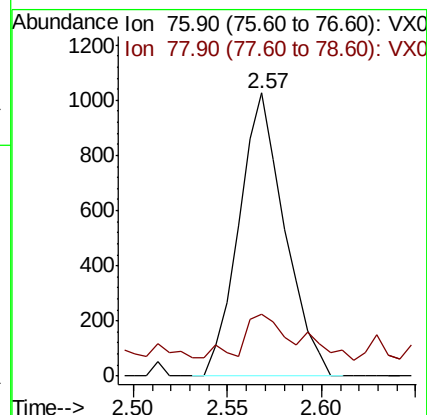
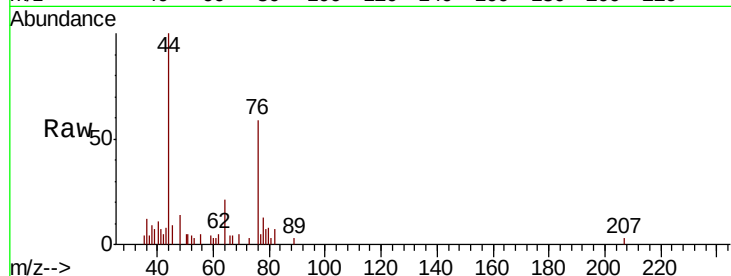
VX1009MBL01

Tot Ion: 76 Resp: 1725

Ion Ratio Lower Upper

76 100

78 15.5 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX005158.D

Acq: 09 Oct 2018 14:54

Tgt Ion: 84 Resp: 407

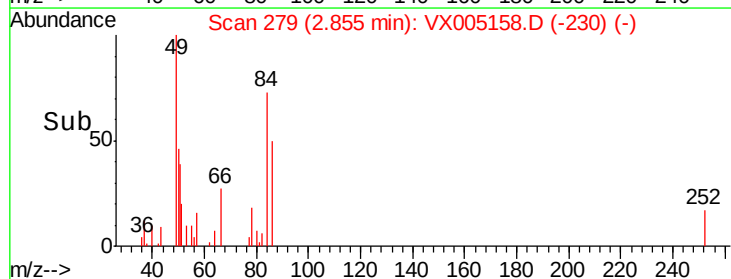
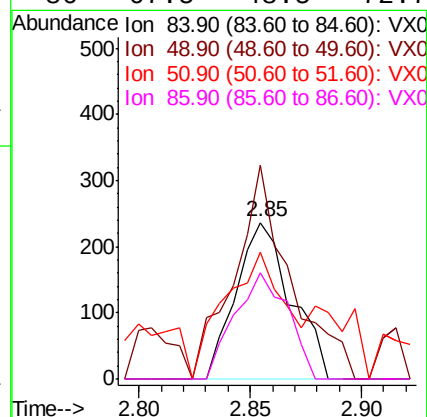
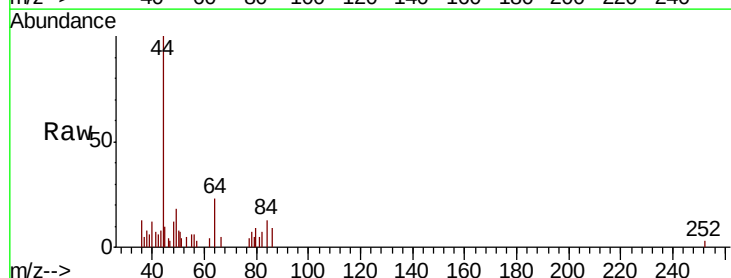
Ion Ratio Lower Upper

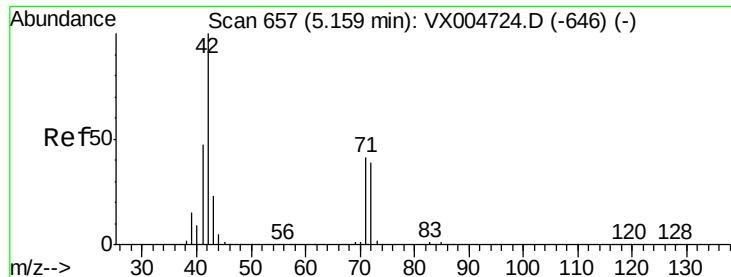
84 100

49 136.3 92.3 138.5

51 81.0 31.8 47.6#

86 67.5 48.5 72.7

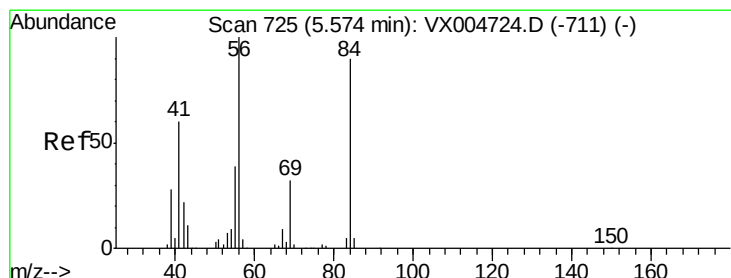
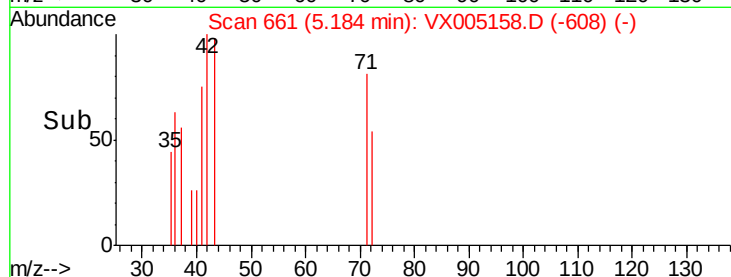
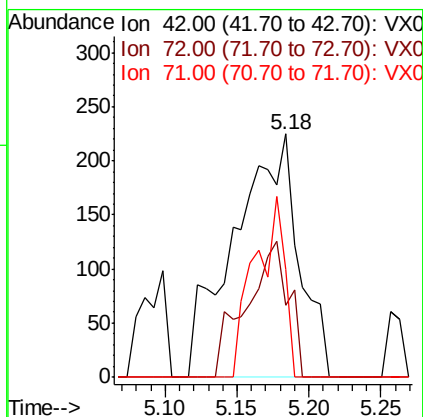
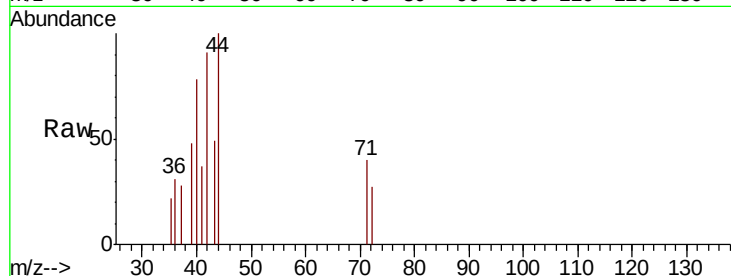




#29
Tetrahydrofuran
Concen: 0.476 ug/l
RT: 5.18 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX005158.D
Acq: 09 Oct 2018 14:54

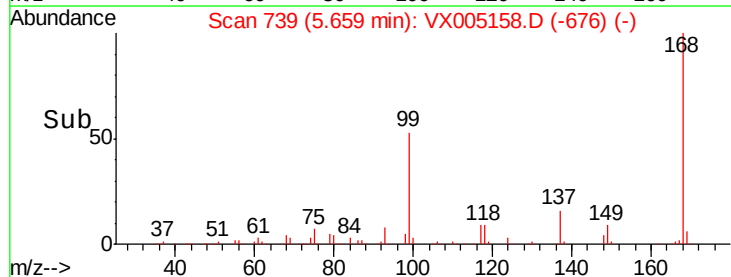
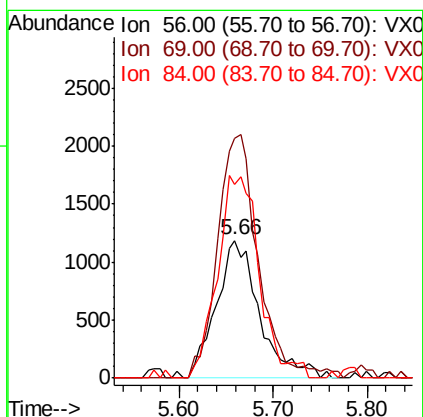
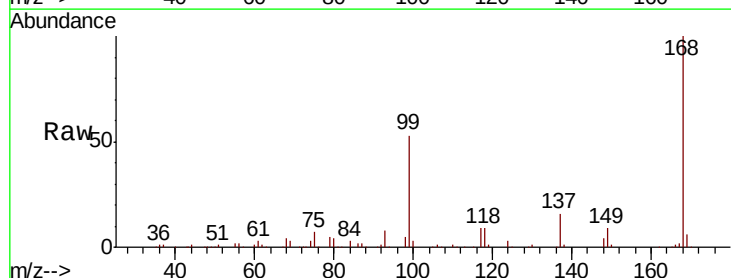
Instrument :
MSVOA_X
ClientSampleId :
VX1009MBL01

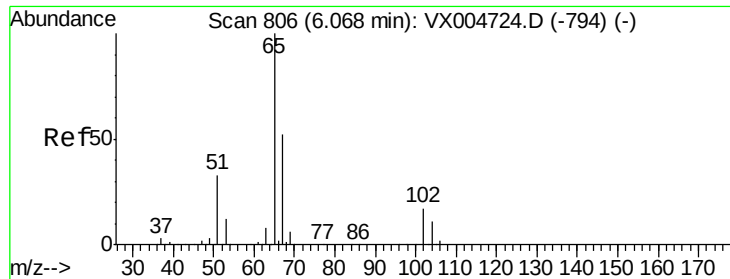
Tot Ion: 42 Resp: 698
Ion Ratio Lower Upper
42 100
72 37.0 33.7 50.5
71 34.1 32.2 48.4



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005158.D
Acq: 09 Oct 2018 14:54

Tgt Ion: 56 Resp: 3782
Ion Ratio Lower Upper
56 100
69 173.7 25.9 38.9#
84 140.4 71.9 107.9#

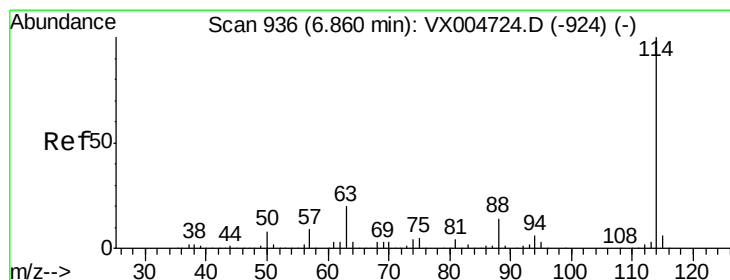
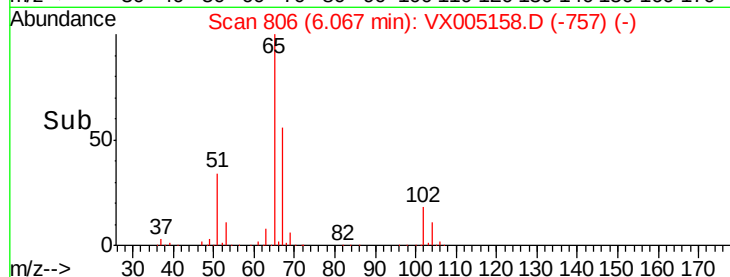
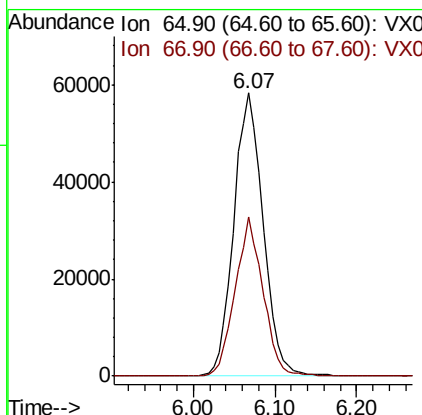
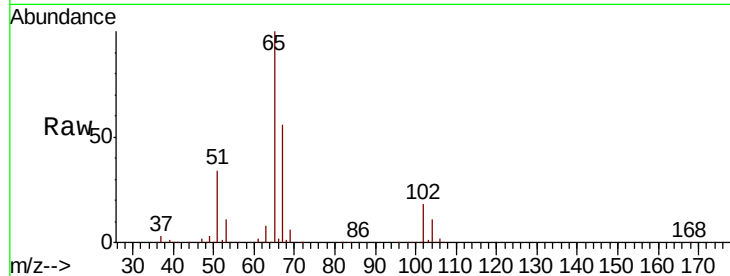




#33
 1,2-Dichloroethane-d4
 Concen: 52.806 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005158.D
 Acq: 09 Oct 2018 14:54

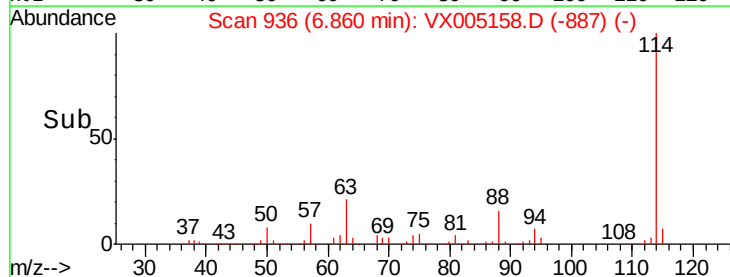
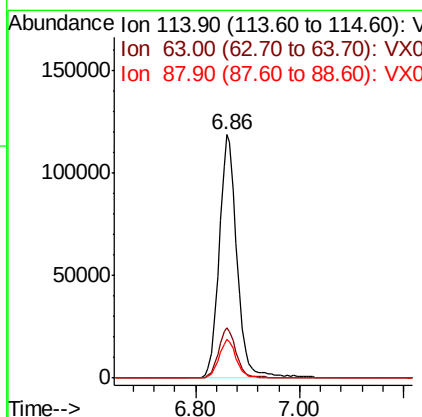
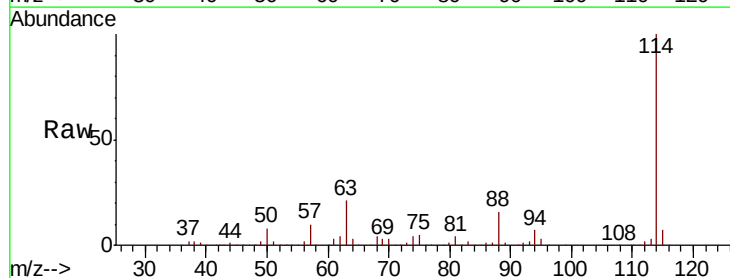
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1009MBL01

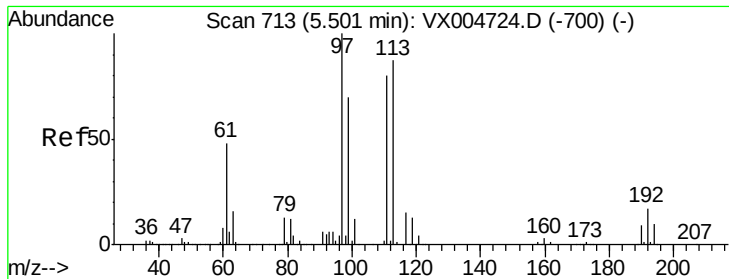
Tot Ion: 65 Resp: 144858
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005158.D
 Acq: 09 Oct 2018 14:54

Tgt Ion: 114 Resp: 288651
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.8
 88 15.8 0.0 27.0





#35

Dibromofluoromethane

Concen: 48.583 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005158.D

Acq: 09 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

VX1009MBL01

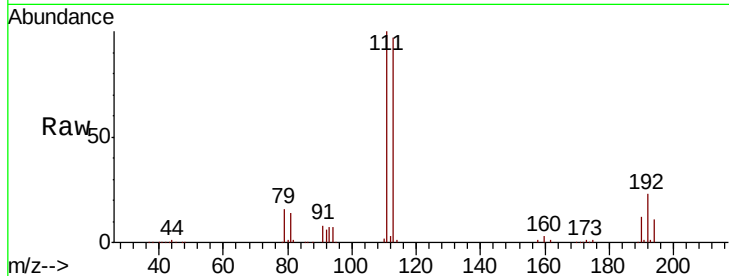
Tot Ion:113 Resp: 118852

Ion Ratio Lower Upper

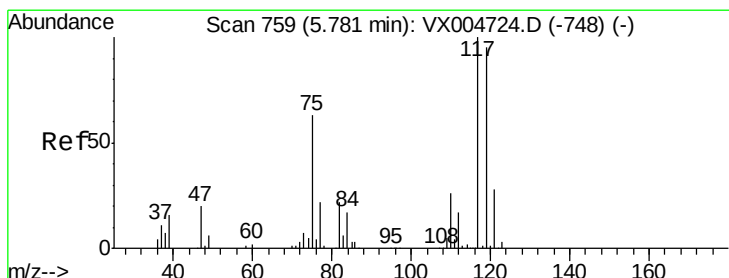
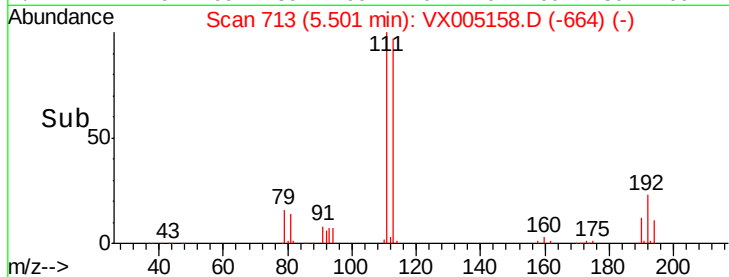
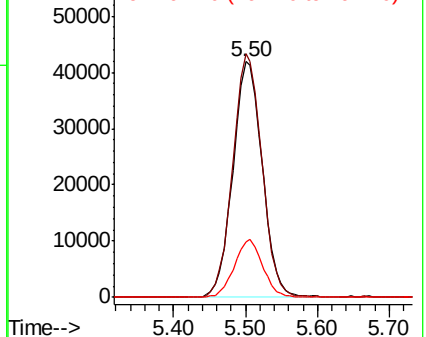
113 100

111 102.2 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



#38

Carbon Tetrachloride

Concen: 4.818 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005158.D

Acq: 09 Oct 2018 14:54

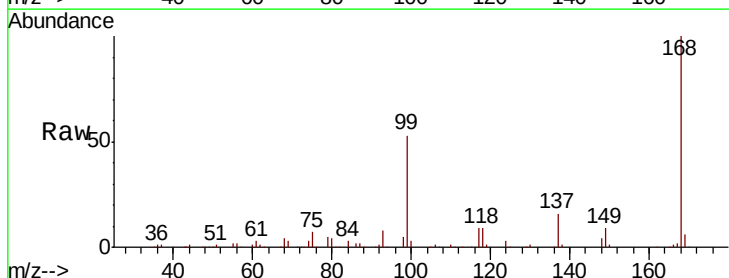
Tgt Ion:117 Resp: 16905

Ion Ratio Lower Upper

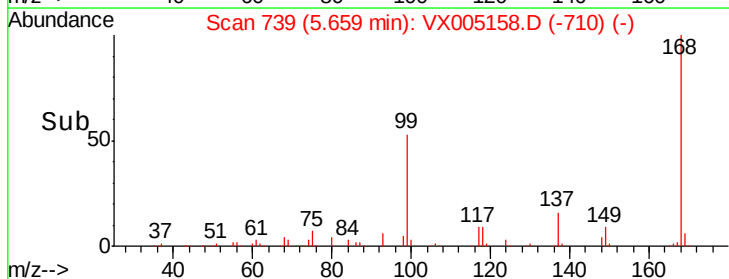
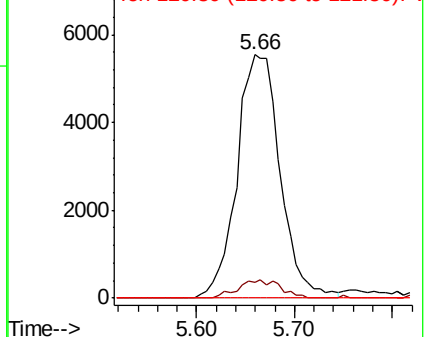
117 100

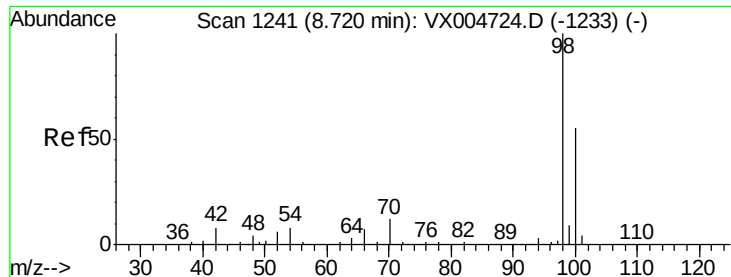
119 6.3 75.2 112.8#

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

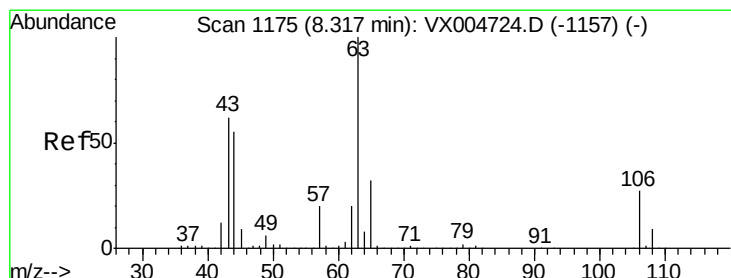
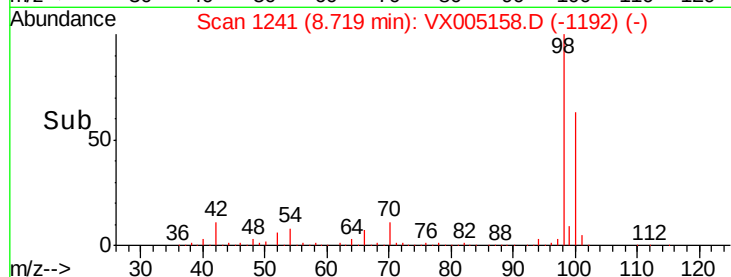
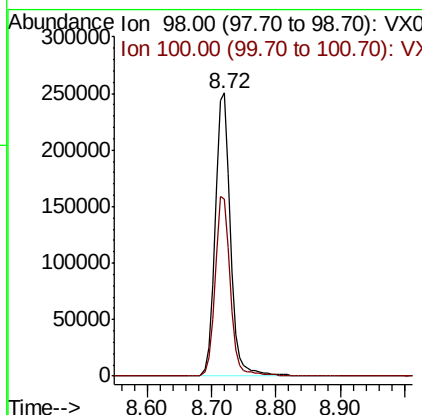
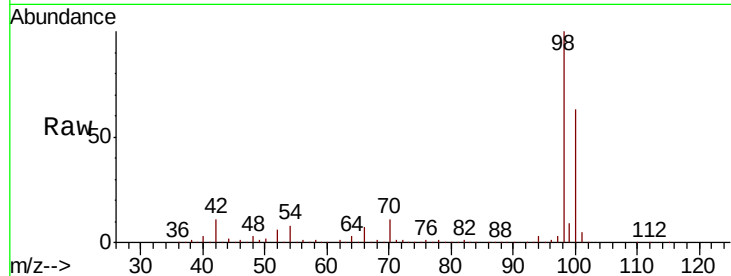




#50
Toluene-d8
Concen: 51.692 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005158.D
Acq: 09 Oct 2018 14:54

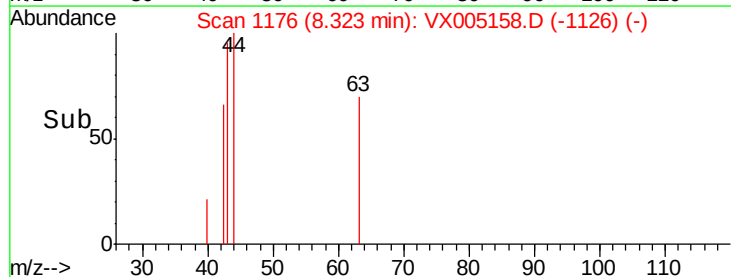
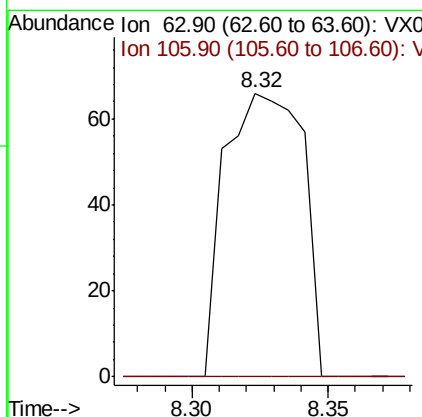
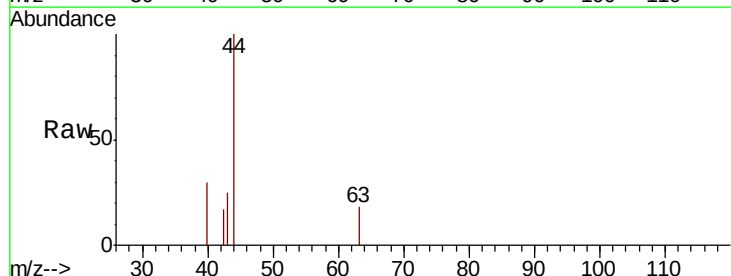
Instrument :
MSVOA_X
ClientSampleId :
VX1009MBL01

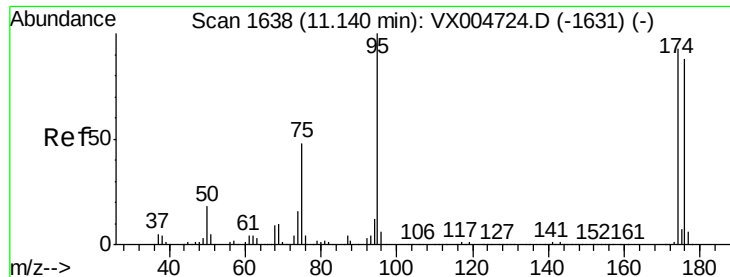
Tot Ion: 98 Resp: 420404
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#58
2-Chloroethyl Vinyl ether
Concen: 14.299 ug/l
RT: 8.32 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VX005158.D
Acq: 09 Oct 2018 14:54

Tgt Ion: 63 Resp: 131
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.6#





#62

4-Bromofluorobenzene

Concen: 50.906 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005158.D

Acq: 09 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

VX1009MBL01

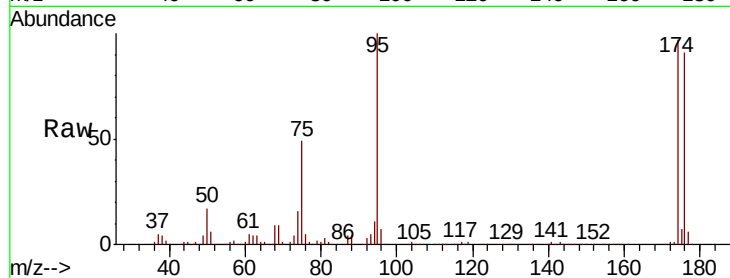
Tot Ion: 95 Resp: 149150

Ion Ratio Lower Upper

95 100

174 94.9 0.0 185.0

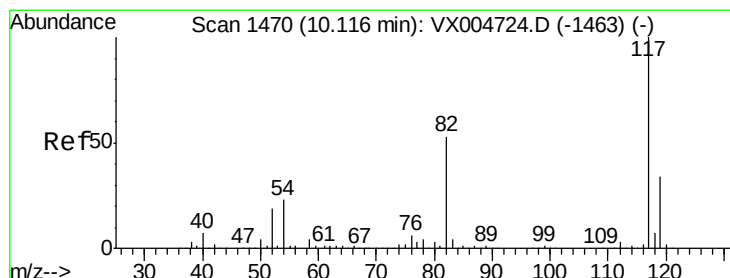
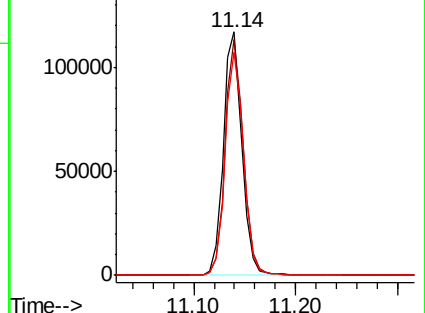
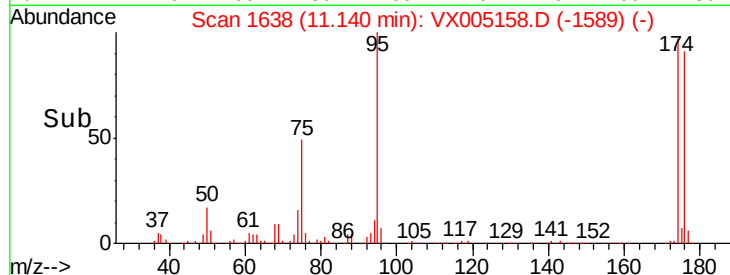
176 90.6 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VX005158.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005158.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005158.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005158.D

Acq: 09 Oct 2018 14:54

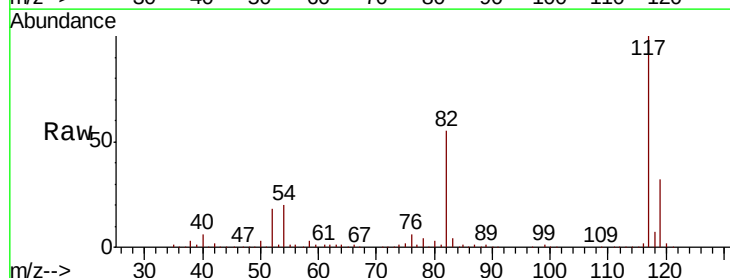
Tgt Ion: 117 Resp: 286916

Ion Ratio Lower Upper

117 100

82 54.7 42.2 63.4

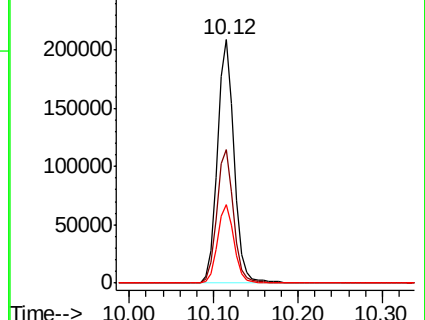
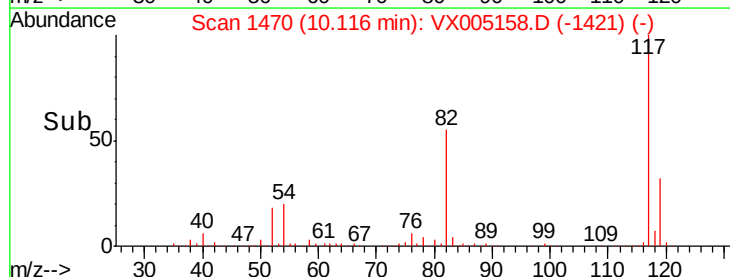
119 32.2 27.4 41.0

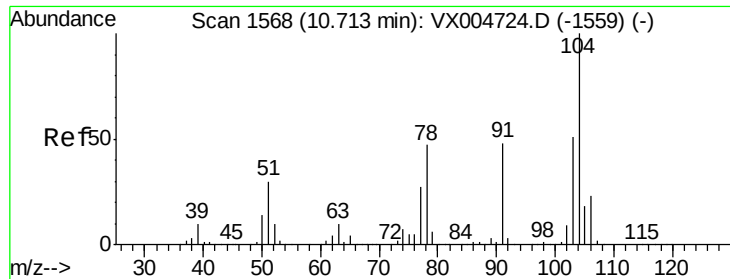


Abundance Ion 116.90 (116.60 to 117.60): VX005158.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005158.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005158.D (-1421) (-)





#70

Stvrene

Concen: 2.168 ug/l

RT: 10.72 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VX005158.D

Acq: 09 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampled :

VX1009MBL01

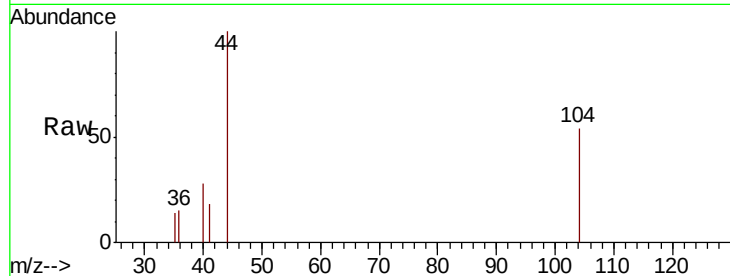
Tot Ion:104 Resp: 229

Ion Ratio Lower Upper

104 100

78 0.0 40.0 60.0#

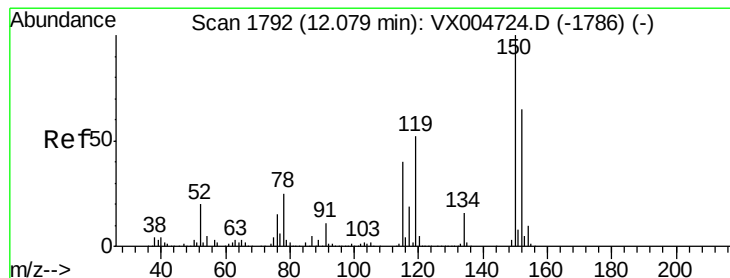
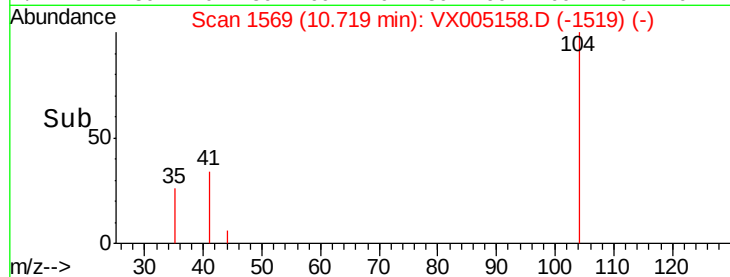
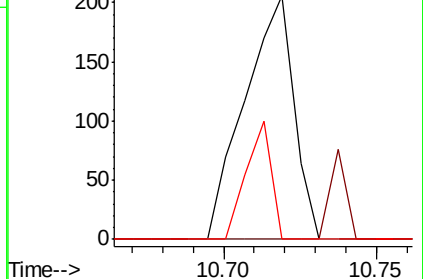
103 24.9 44.3 66.5#



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: VX005158.D

Acq: 09 Oct 2018 14:54

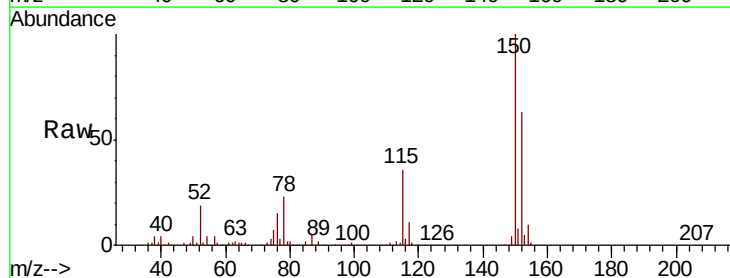
Tgt Ion:152 Resp: 160205

Ion Ratio Lower Upper

152 100

115 54.9 40.2 120.6

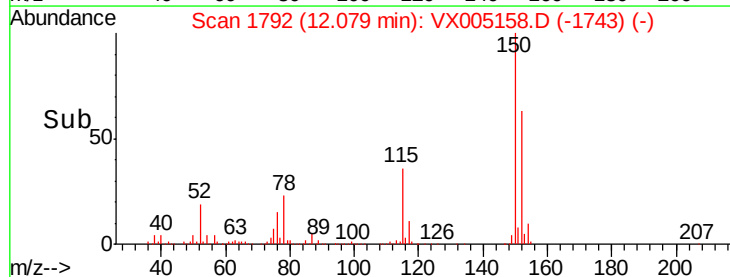
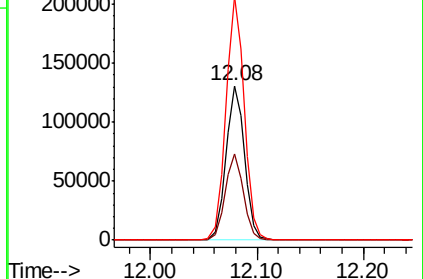
150 155.4 0.0 351.0

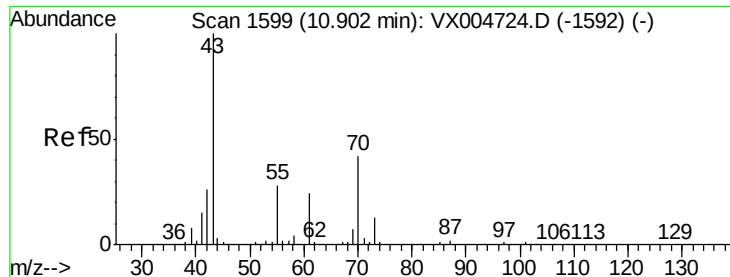


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.772 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX005158.D

Acq: 09 Oct 2018 14:54

Instrument :

MSVOA_X

ClientSampleId :

VX1009MBL01

Tot Ion: 43 Resp: 137

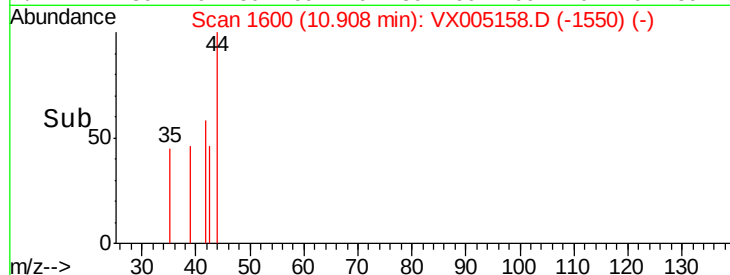
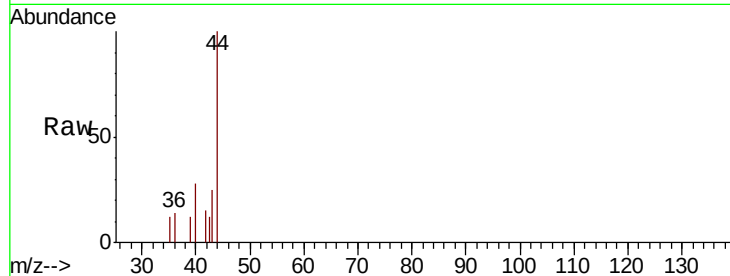
Ion Ratio Lower Upper

43 100

70 30.7 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#

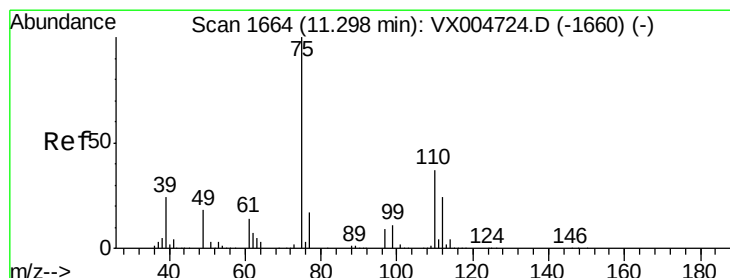
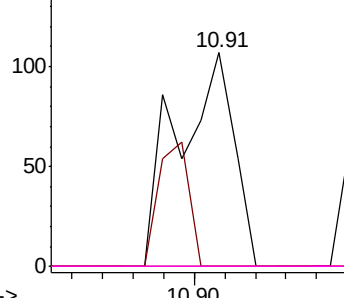


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.496 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005158.D

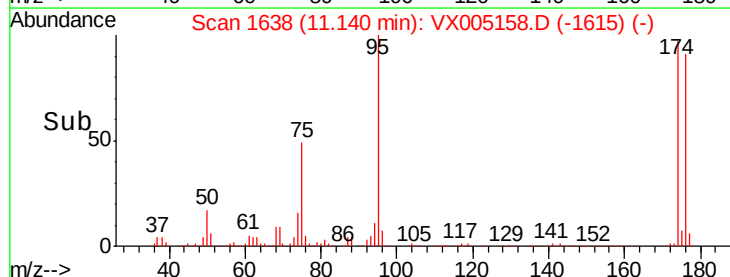
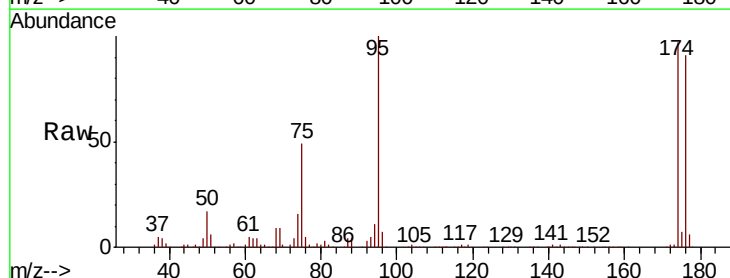
Acq: 09 Oct 2018 14:54

Tgt Ion: 75 Resp: 73595

Ion Ratio Lower Upper

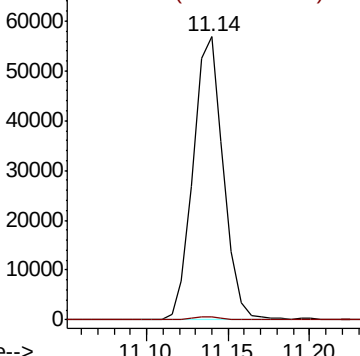
75 100

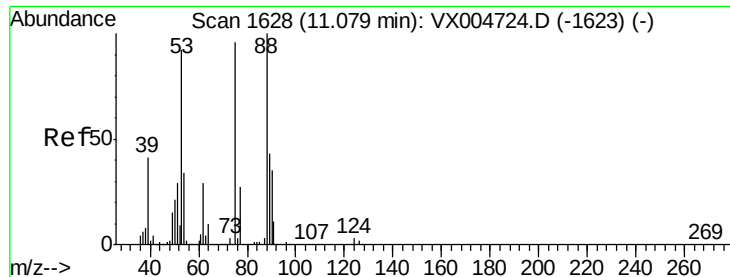
77 1.2 21.4 64.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

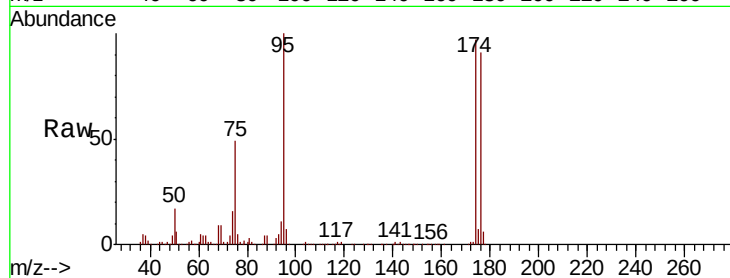




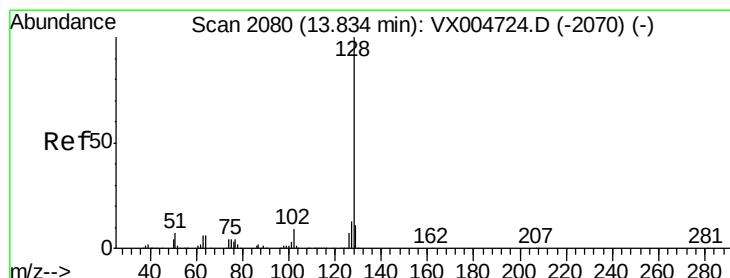
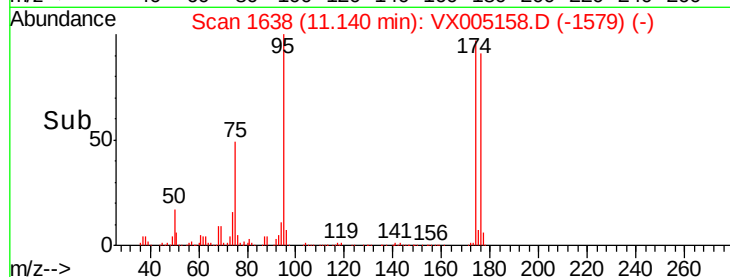
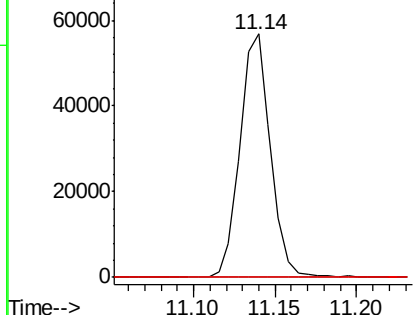
#81
trans-1,4-Dichloro-2-butene
Concen: 55.665 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX005158.D
Acq: 09 Oct 2018 14:54

Instrument :
MSVOA_X
ClientSampleId :
VX1009MBL01

Tot Ion: 75 Resp: 73595
Ion Ratio Lower Upper
75 100
53 0.3 80.2 120.4#
89 0.0 37.1 55.7#

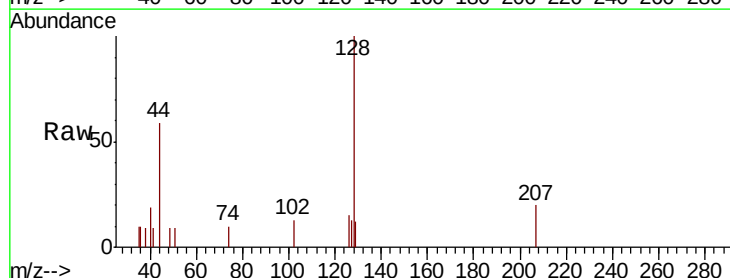


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#95
Naphthalene
Concen: 0.780 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005158.D
Acq: 09 Oct 2018 14:54

Tgt Ion:128 Resp: 819
Ion Ratio Lower Upper
128 100
127 17.6 10.4 15.6#
129 7.4 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

