

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100318\
 Data File : VX004950.D
 Acq On : 03 Oct 2018 06:39
 Operator : JC/MD
 Sample : VX1003WBL02
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBL01

Quant Time: Oct 03 08:37:27 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	196908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337885	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183544	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	160368	57.01	ug/l	0.00
Spiked Amount			Recovery	=	114.02%	
35) Dibromofluoromethane	5.50	113	135915	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	8.71	98	485969	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.14	95	172316	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	

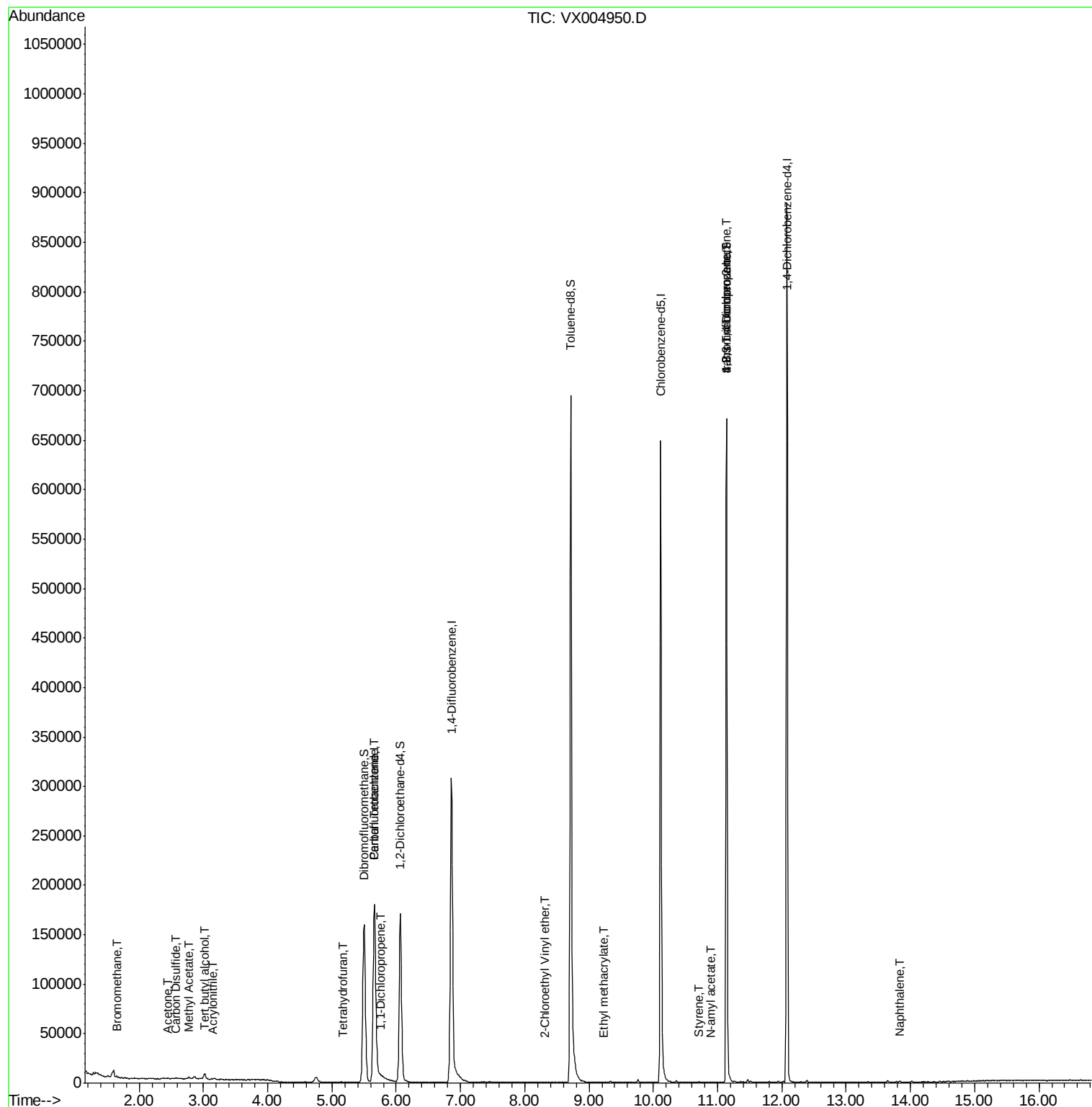
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	661	0.365	ug/l	92
6) Chloroethane	1.73	64	74	Below Cal	#	45
11) Tert butyl alcohol	3.02	59	3540	4.501	ug/l #	79
15) Acrylonitrile	3.15	53	592	0.342	ug/l #	90
16) Acetone	2.45	43	702	0.427	ug/l #	65
17) Carbon Disulfide	2.57	76	1367	0.213	ug/l	98
18) Methyl Acetate	2.78	43	1736	0.417	ug/l	95
20) Methylene Chloride	2.85	84	884	Below Cal	#	82
29) Tetrahydrofuran	5.17	42	584	0.388	ug/l #	60
36) 1,1-Dichloropropene	5.76	75	1373	0.351	ug/l #	41
38) Carbon Tetrachloride	5.67	117	18236	4.440	ug/l #	19
56) Ethyl methacrylate	9.23	69	21	2.866	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.31	63	41	14.257	ug/l #	49
70) Styrene	10.71	104	128	2.154	ug/l #	39
74) N-amyl acetate	10.90	43	99	1.763	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	87147	21.184	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	333	Below Cal		89
81) trans-1,4-Dichloro-2-buten	11.14	75	87147	57.467	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	326	Below Cal		97
95) Naphthalene	13.84	128	801	0.771	ug/l #	91

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100318\
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Sample : VX1003WBL02
Misc : 5.00µL/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBL01

Quant Time: Oct 03 08:37:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
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: VX004950.D

Acq: 03 Oct 2018 06:39

Instrument :

MSVOA_X

ClientSampleId :

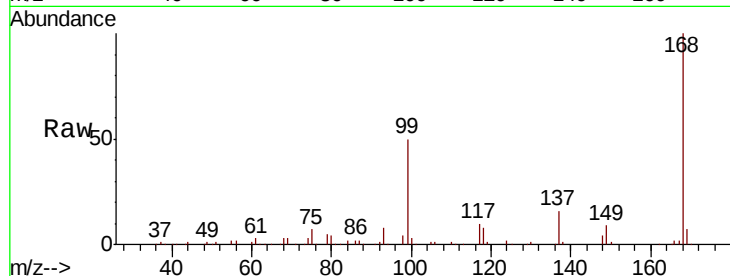
VX1003MBL01

Tot Ion:168 Resp: 196908

Ion Ratio Lower Upper

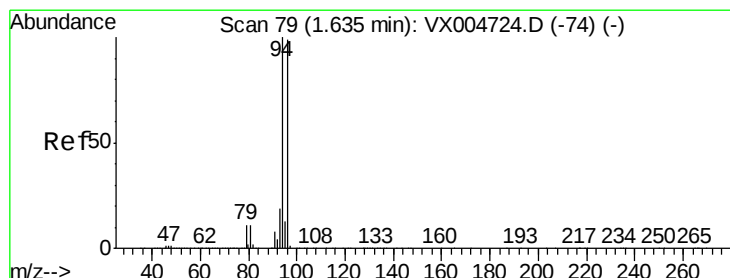
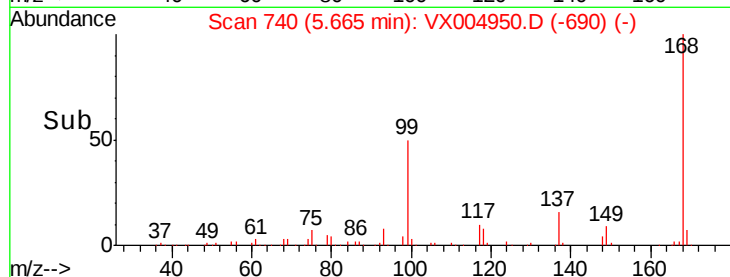
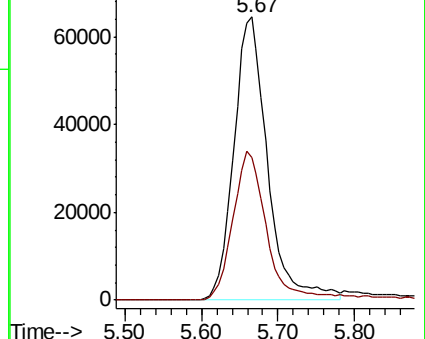
168 100

99 50.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.365 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004950.D

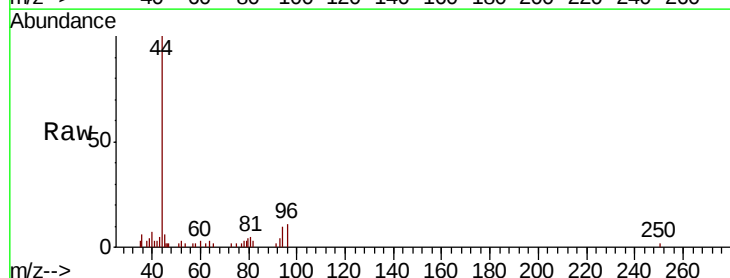
Acq: 03 Oct 2018 06:39

Tgt Ion: 94 Resp: 661

Ion Ratio Lower Upper

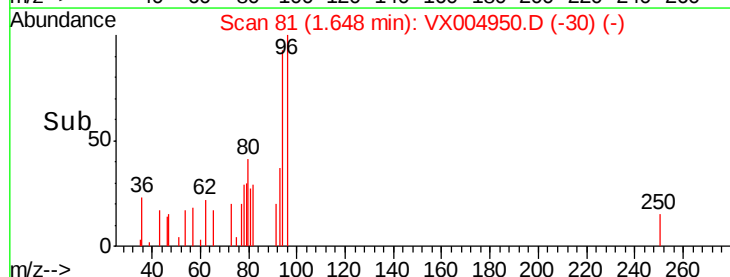
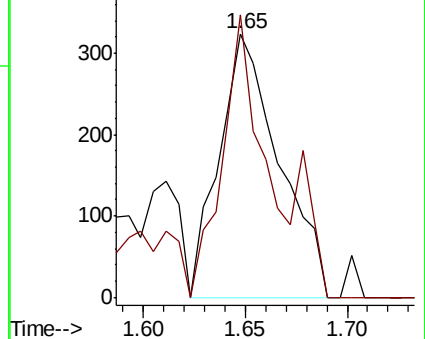
94 100

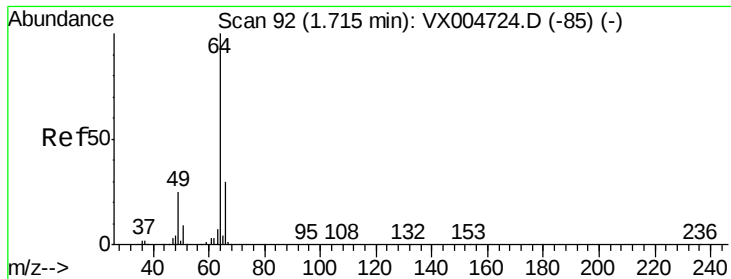
96 107.4 79.5 119.3



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: VX004950.D

Acq: 03 Oct 2018 06:39

Instrument :

MSVOA_X

ClientSampleId :

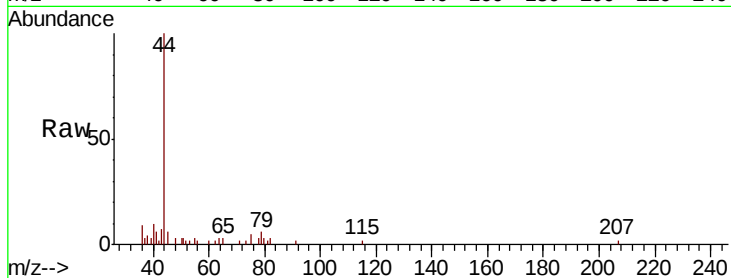
VX1003MBL01

Tot Ion: 64 Resp: 74

Ion Ratio Lower Upper

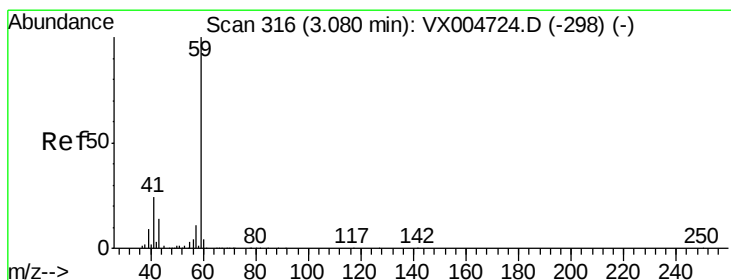
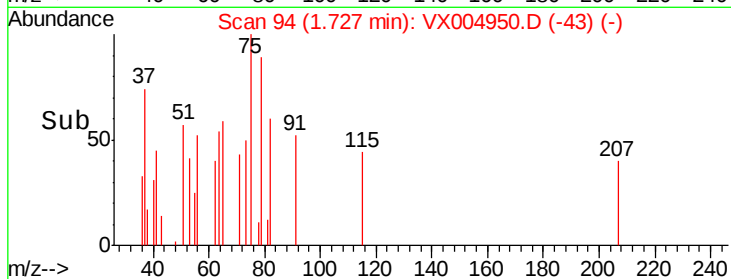
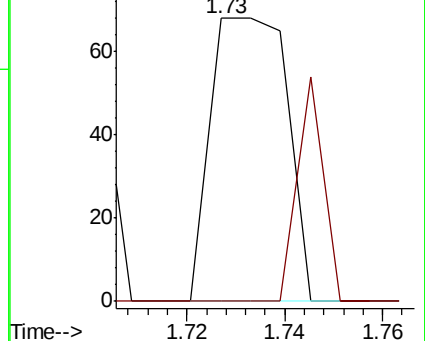
64 100

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: 4.501 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX004950.D

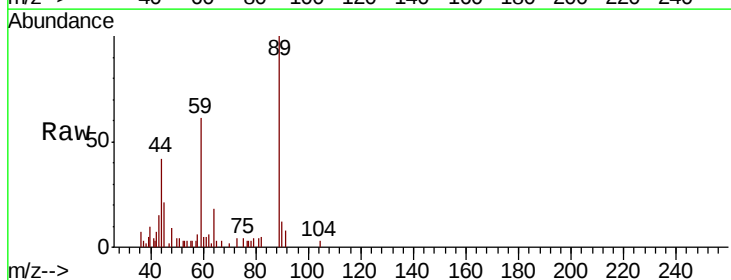
Acq: 03 Oct 2018 06:39

Tgt Ion: 59 Resp: 3540

Ion Ratio Lower Upper

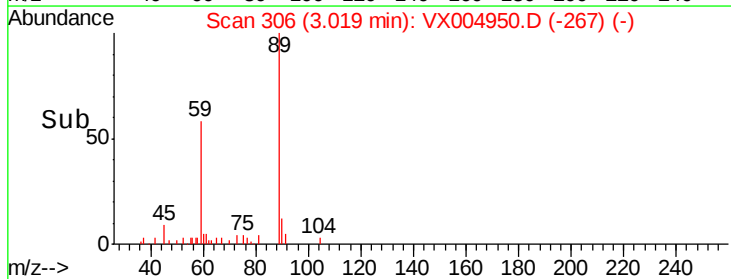
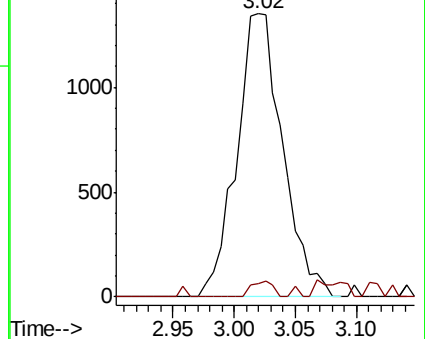
59 100

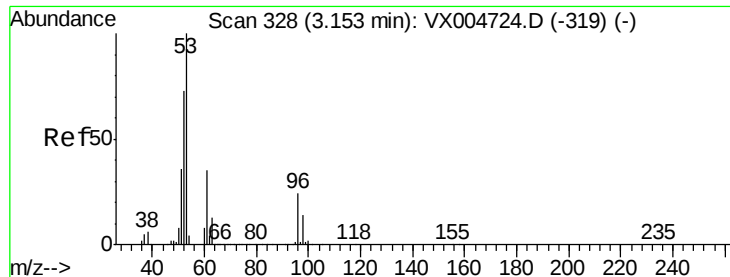
57 2.6 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#15

Acrylonitrile

Concen: 0.342 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004950.D

Acq: 03 Oct 2018 06:39

Instrument :

MSVOA_X

ClientSampled :

VX1003MBL01

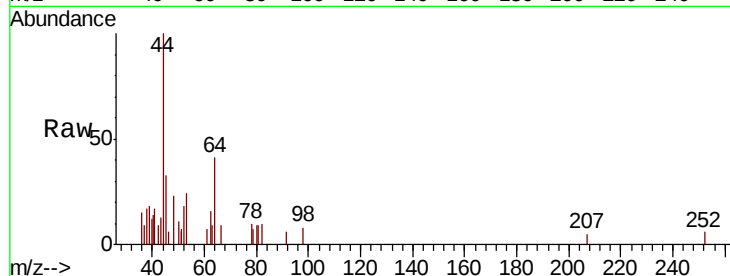
Tot Ion: 53 Resp: 592

Ion Ratio Lower Upper

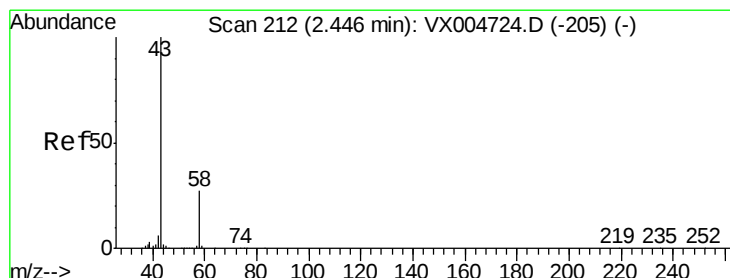
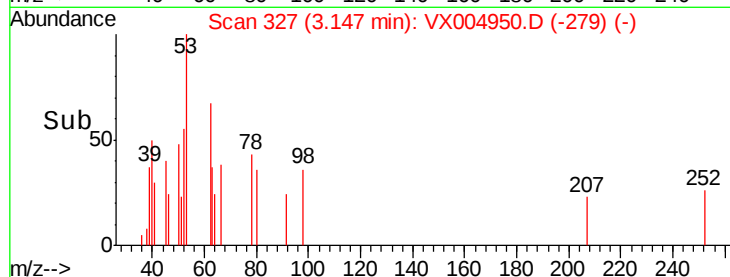
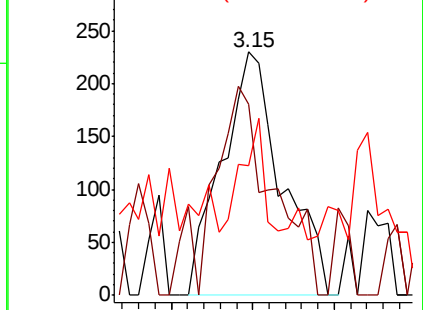
53 100

52 78.5 63.0 94.4

51 17.4 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: 0.427 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004950.D

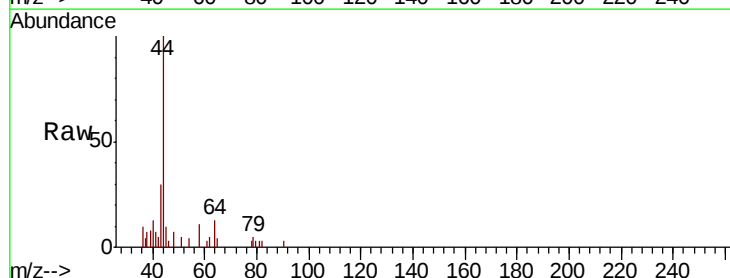
Acq: 03 Oct 2018 06:39

Tgt Ion: 43 Resp: 702

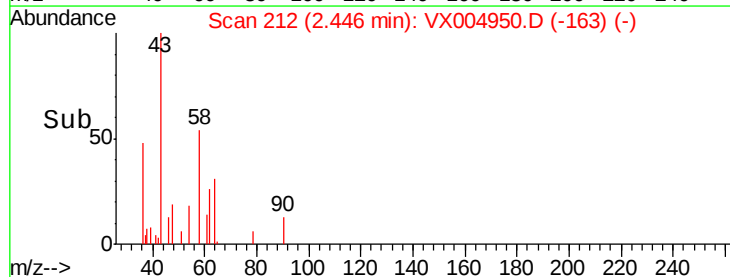
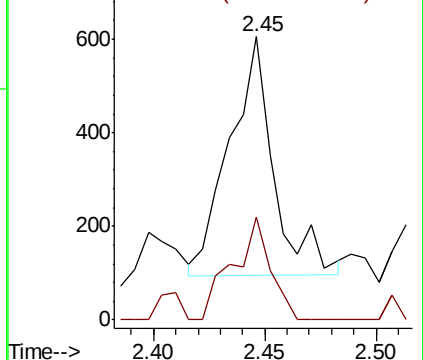
Ion Ratio Lower Upper

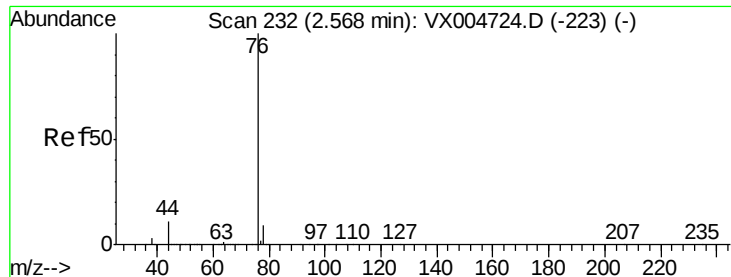
43 100

58 45.2 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: 0.213 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX004950.D

Acq: 03 Oct 2018 06:39

Instrument :

MSVOA_X

ClientSampleId :

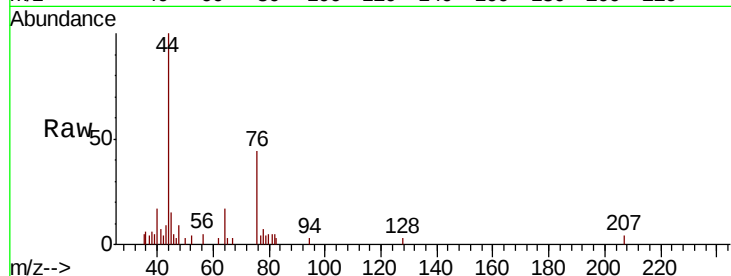
VX1003MBL01

Tot Ion: 76 Resp: 1367

Ion Ratio Lower Upper

76 100

78 7.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

600

400

200

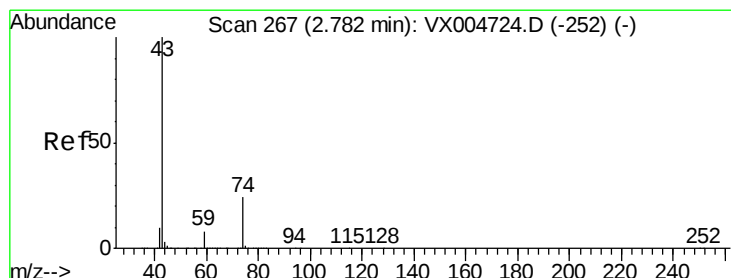
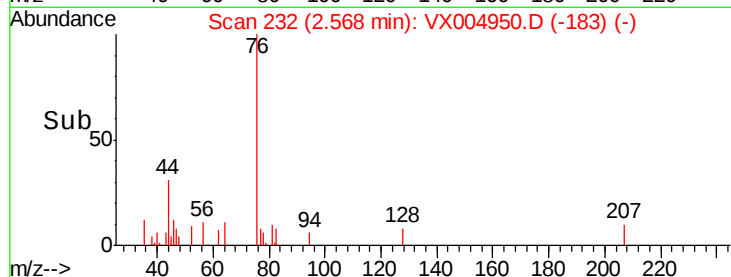
0

2.50

2.55

2.60

Time-->



#18

Methyl Acetate

Concen: 0.417 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX004950.D

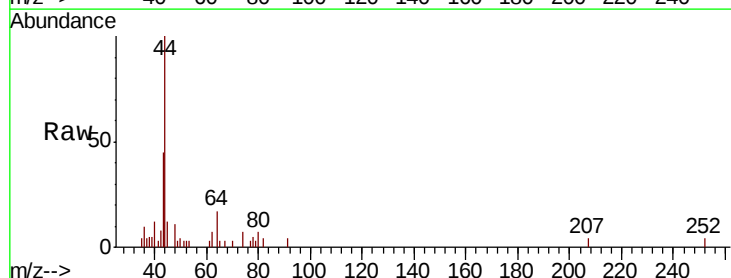
Acq: 03 Oct 2018 06:39

Tgt Ion: 43 Resp: 1736

Ion Ratio Lower Upper

43 100

74 20.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

1000

800

600

400

200

0

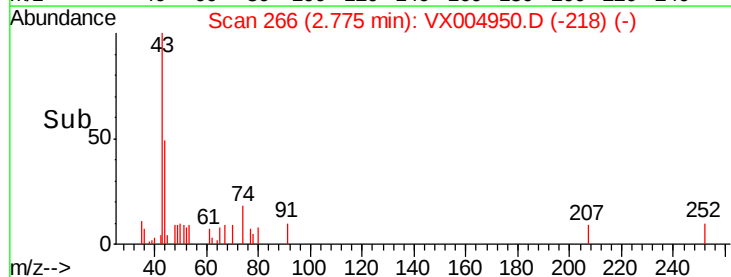
2.70

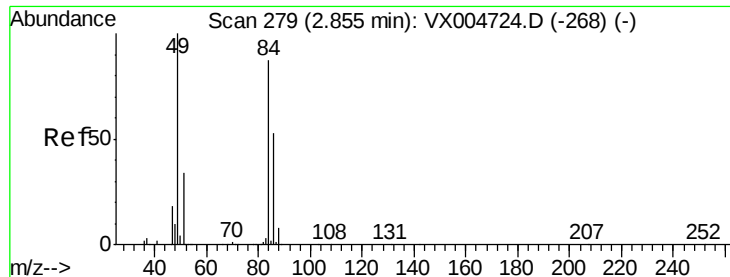
2.75

2.80

2.85

Time-->

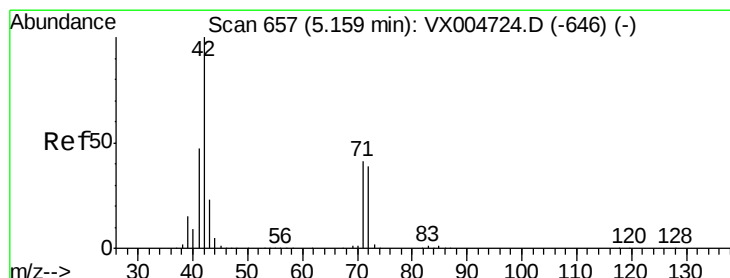
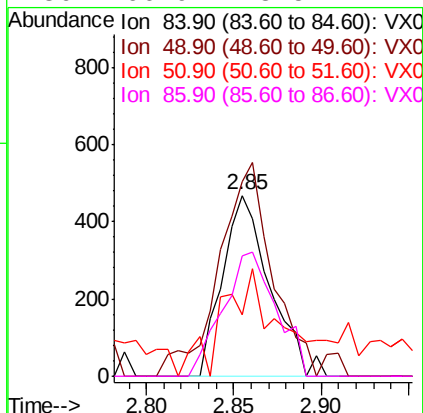
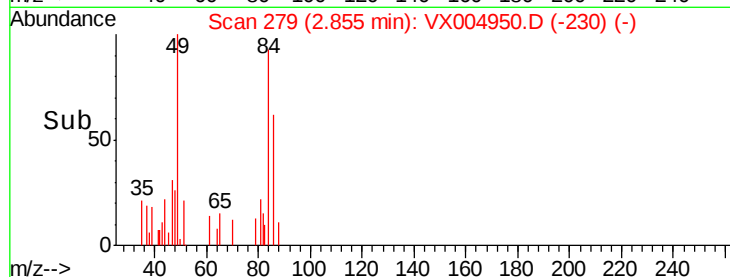
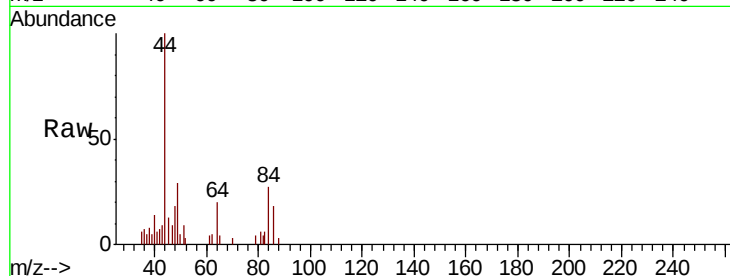




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004950.D
Acq: 03 Oct 2018 06:39

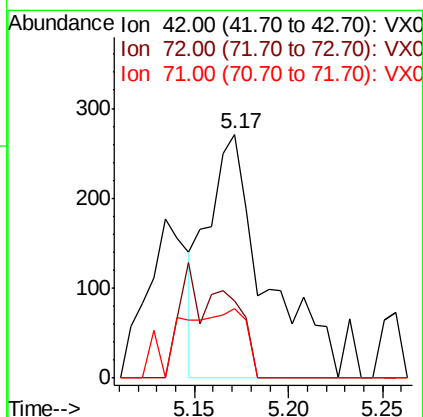
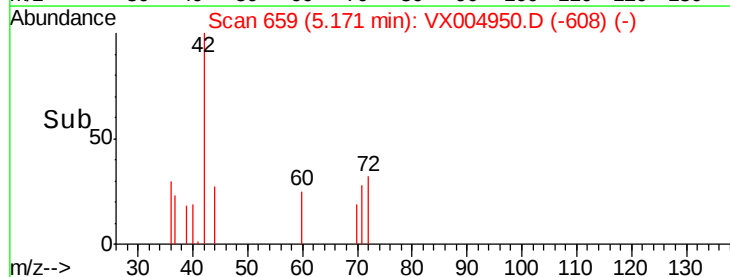
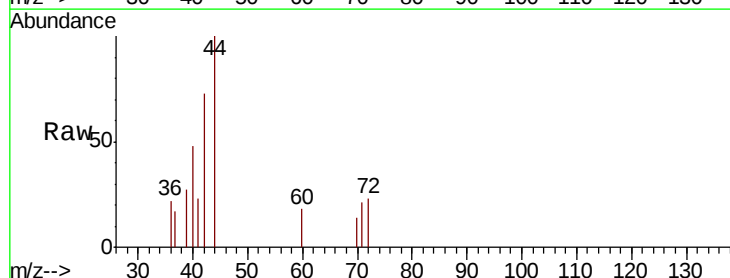
Instrument :
MSVOA_X
ClientSampleId :
VX1003MBL01

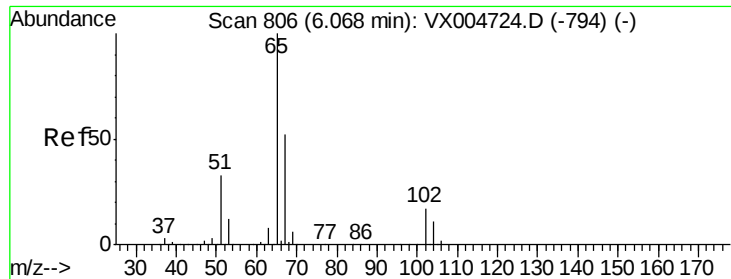
Tot Ion:	84	Resp:	884
Ion	Ratio	Lower	Upper
84	100		
49	95.1	92.3	138.5
51	20.9	31.8	47.6#
86	66.9	48.5	72.7



#29
Tetrahydrofuran
Concen: 0.388 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX004950.D
Acq: 03 Oct 2018 06:39

Tgt Ion:	42	Resp:	584
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	33.2	32.2	48.4

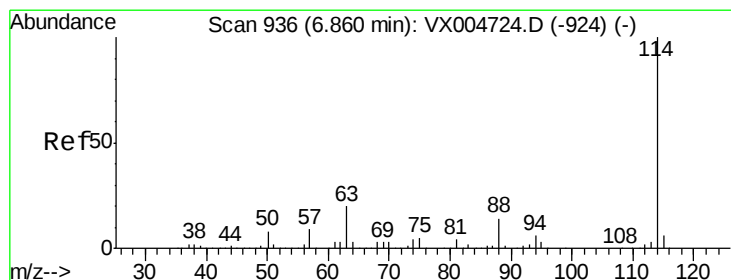
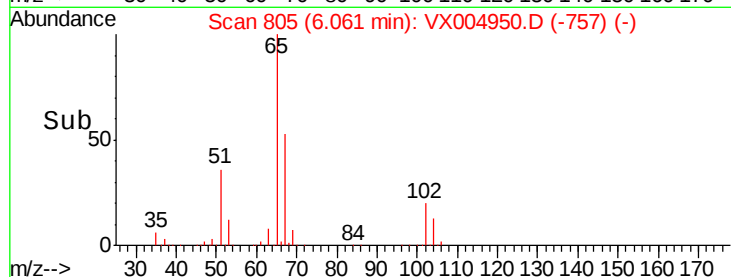
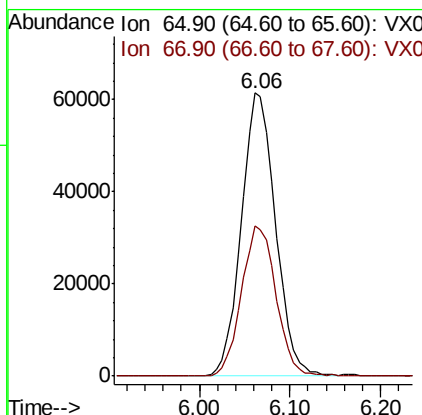
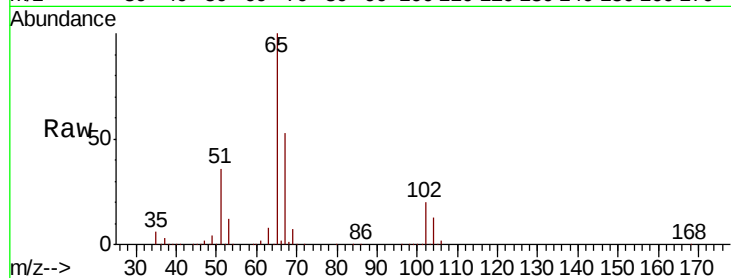




#33
 1,2-Dichloroethane-d4
 Concen: 57.013 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004950.D
 Acq: 03 Oct 2018 06:39

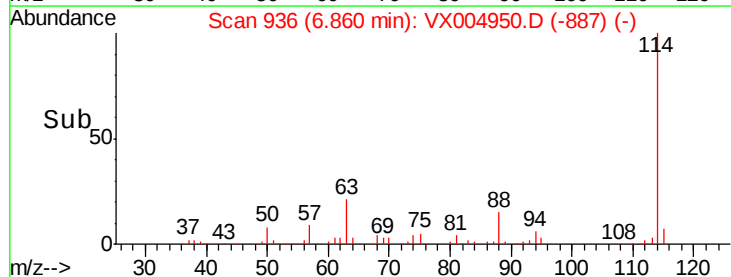
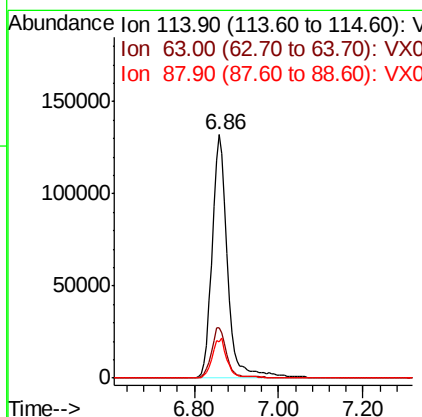
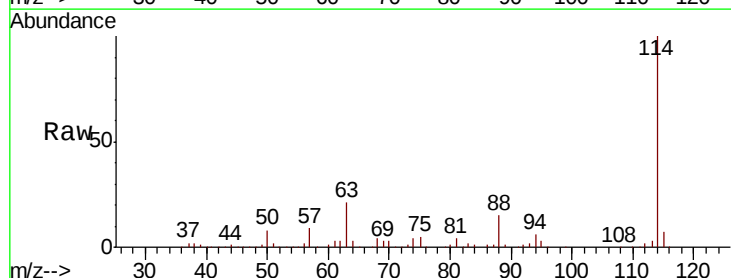
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003MBL01

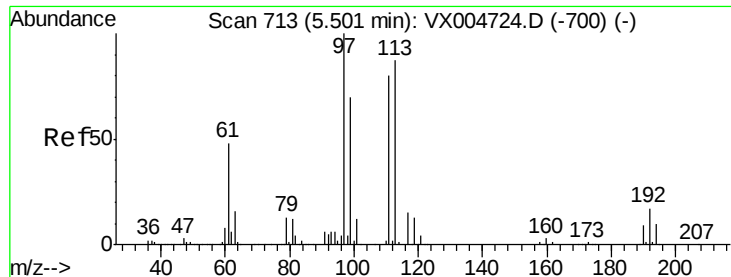
Tot Ion: 65 Resp: 160368
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004950.D
 Acq: 03 Oct 2018 06:39

Tgt Ion: 114 Resp: 337885
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.8
 88 15.1 0.0 27.0





#35

Dibromofluoromethane

Concen: 47.463 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004950.D

Acq: 03 Oct 2018 06:39

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBL01

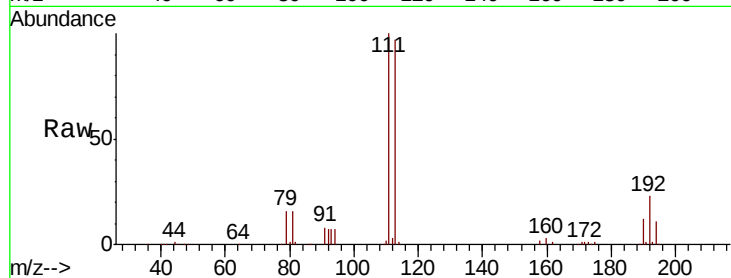
Tot Ion:113 Resp: 135915

Ion Ratio Lower Upper

113 100

111 103.6 77.0 115.4

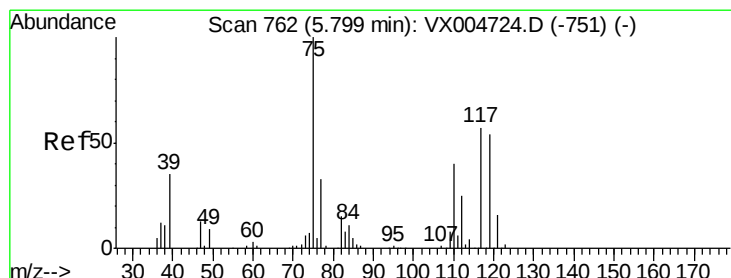
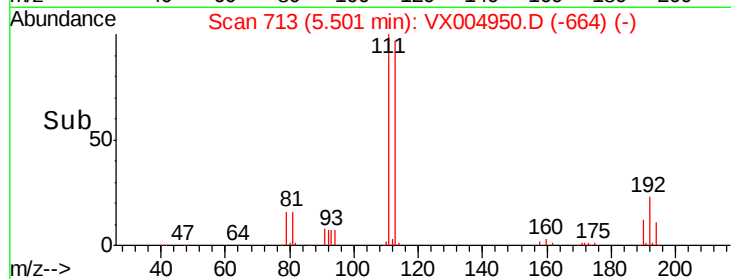
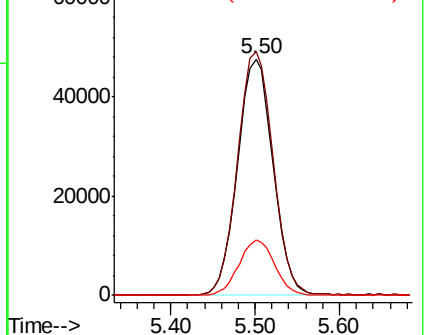
192 23.6 17.0 25.6



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: 0.351 ug/l

RT: 5.76 min Scan# 755

Delta R.T. -0.04 min

Lab File: VX004950.D

Acq: 03 Oct 2018 06:39

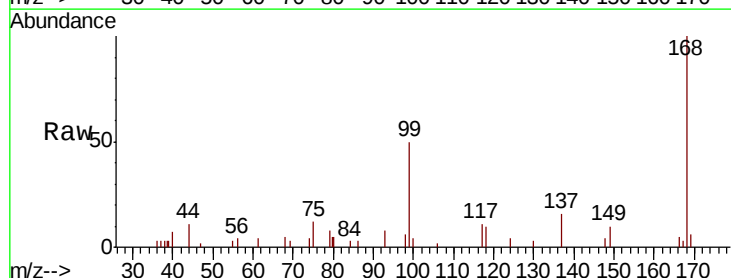
Tgt Ion: 75 Resp: 1373

Ion Ratio Lower Upper

75 100

110 3.1 20.0 59.9#

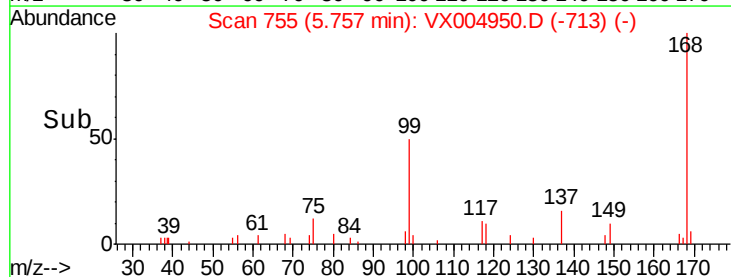
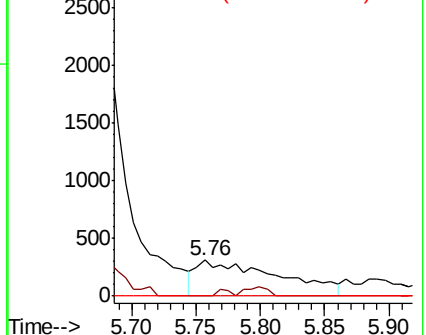
77 0.0 27.1 40.7#

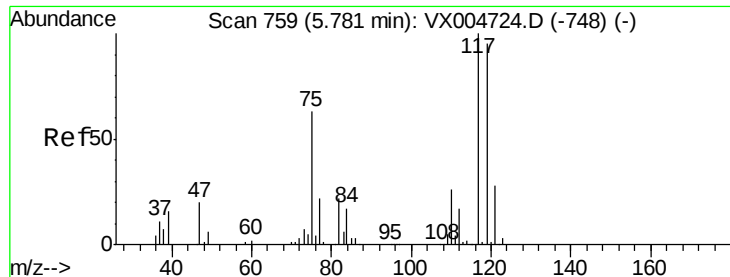


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.440 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004950.D

Acq: 03 Oct 2018 06:39

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBL01

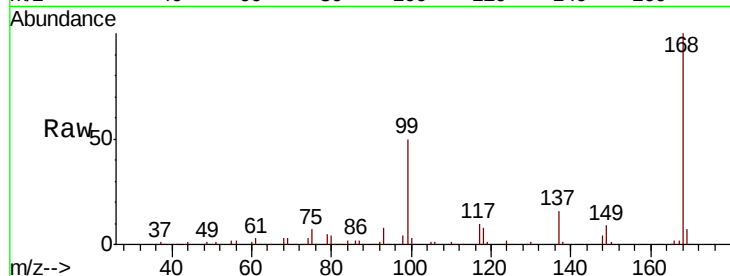
Tot Ion:117 Resp: 18236

Ion Ratio Lower Upper

117 100

119 7.2 75.2 112.8#

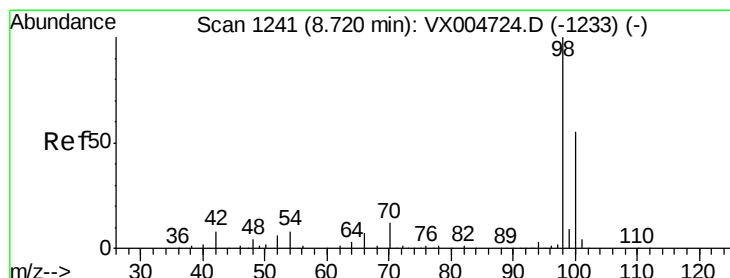
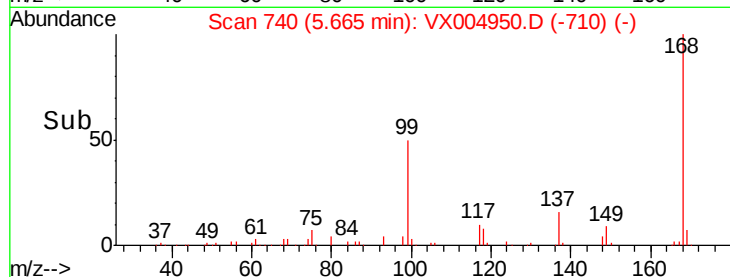
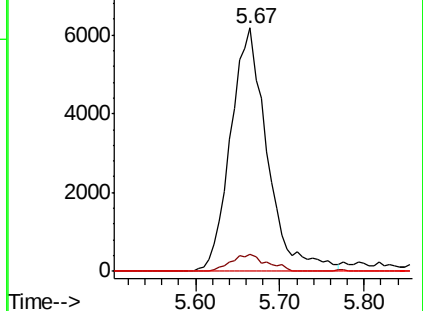
121 0.0 22.5 33.7#



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: 51.047 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004950.D

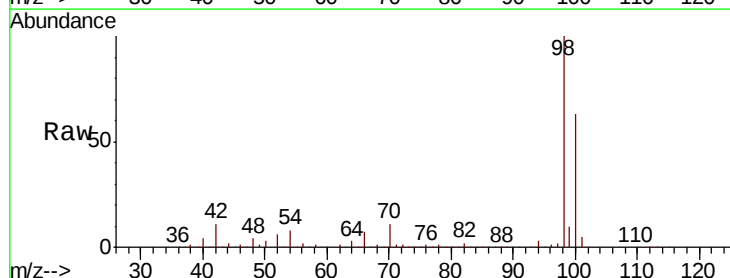
Acq: 03 Oct 2018 06:39

Tgt Ion: 98 Resp: 485969

Ion Ratio Lower Upper

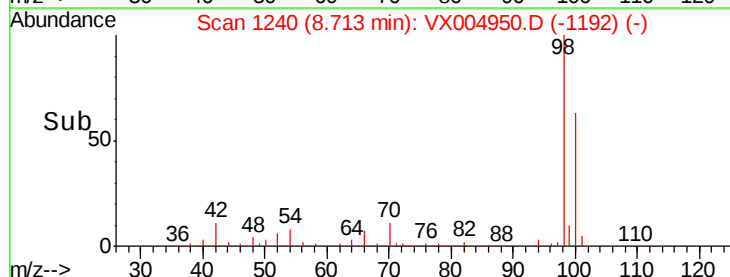
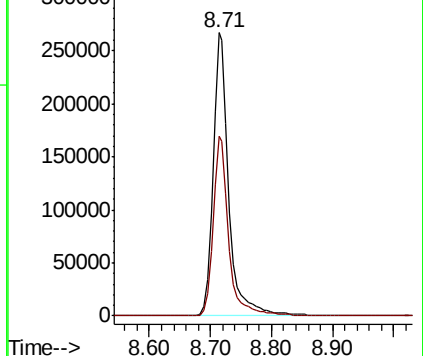
98 100

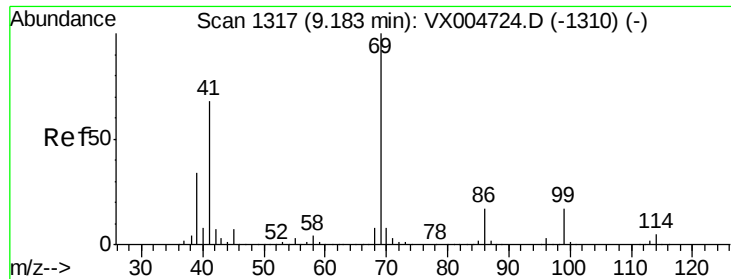
100 63.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#56

Ethyl methacrylate

Concen: 2.866 ug/l

RT: 9.23 min Scan# 1324

Delta R.T. 0.04 min

Lab File: VX004950.D

Acq: 03 Oct 2018 06:39

Instrument :

MSVOA_X

ClientSampled :

VX1003MBL01

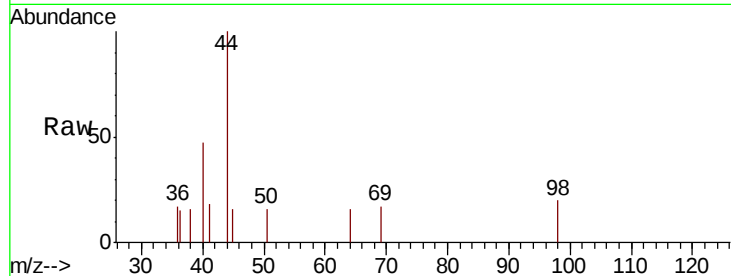
Tot Ion: 69 Resp: 21

Ion Ratio Lower Upper

69 100

41 0.0 56.9 85.3#

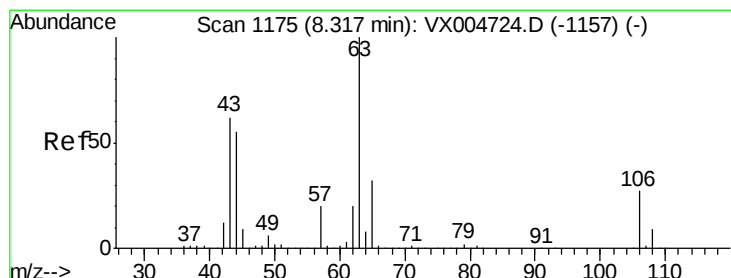
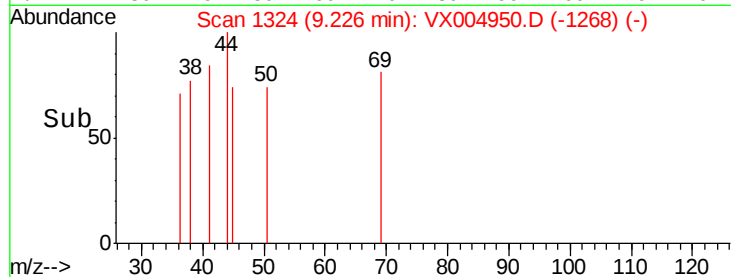
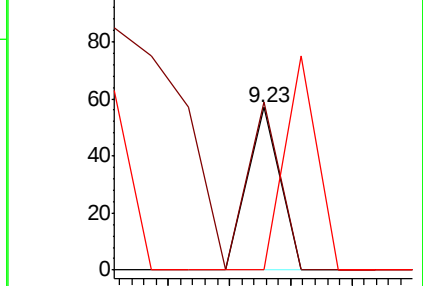
39 128.6 28.4 42.6#



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



#58

2-Chloroethyl Vinyl ether

Concen: 14.257 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004950.D

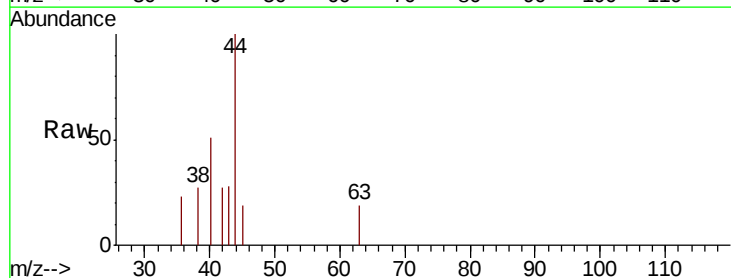
Acq: 03 Oct 2018 06:39

Tgt Ion: 63 Resp: 41

Ion Ratio Lower Upper

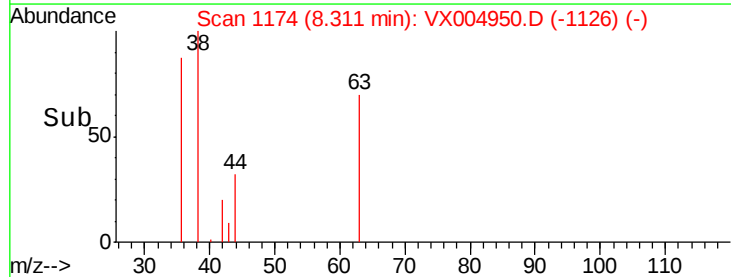
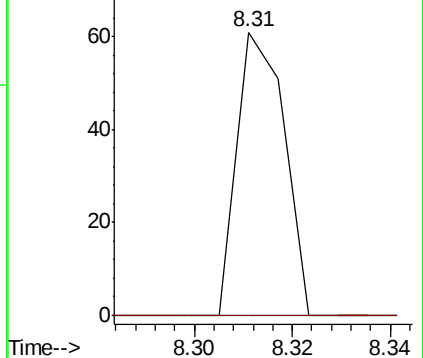
63 100

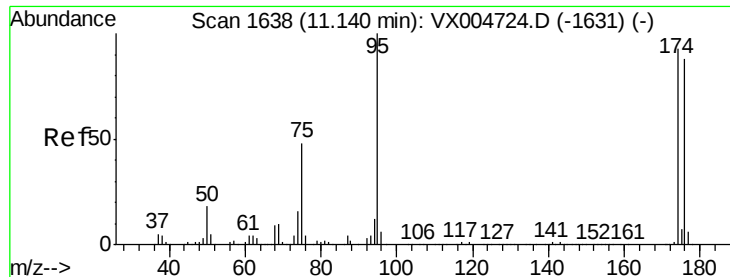
106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 50.243 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004950.D

Acq: 03 Oct 2018 06:39

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBL01

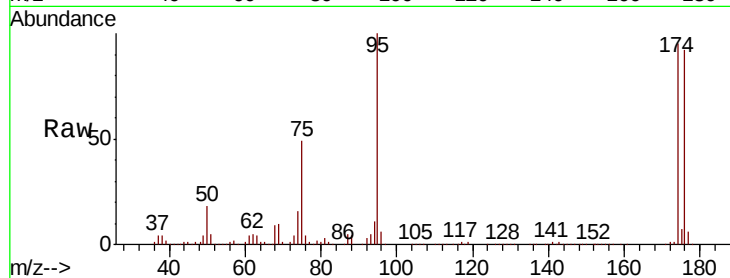
Tot Ion: 95 Resp: 172316

Ion Ratio Lower Upper

95 100

174 93.4 0.0 185.0

176 89.2 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VX004724.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004724.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004724.D (-1631) (-)

11.14

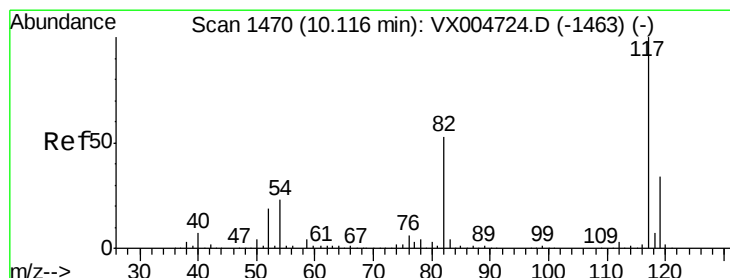
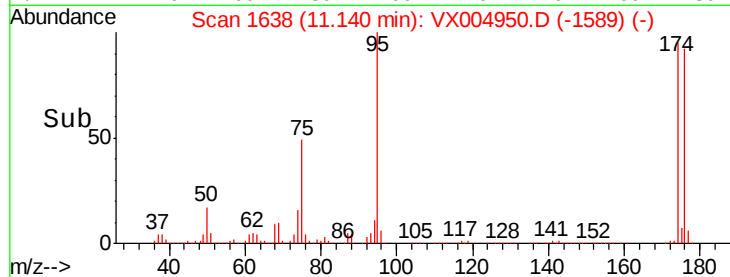
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004950.D

Acq: 03 Oct 2018 06:39

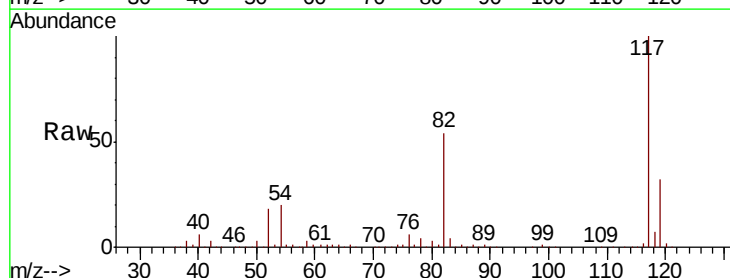
Tgt Ion: 117 Resp: 329434

Ion Ratio Lower Upper

117 100

82 54.3 42.2 63.4

119 32.4 27.4 41.0



Abundance Ion 116.90 (116.60 to 117.60): VX004724.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004724.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004724.D (-1463) (-)

10.12

300000

250000

200000

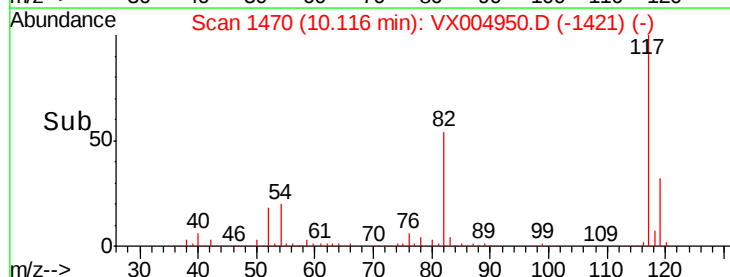
150000

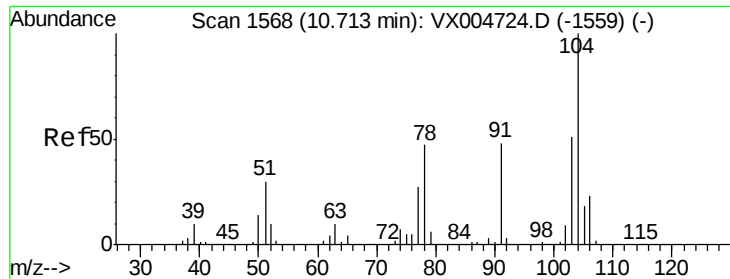
100000

50000

0

Time-->

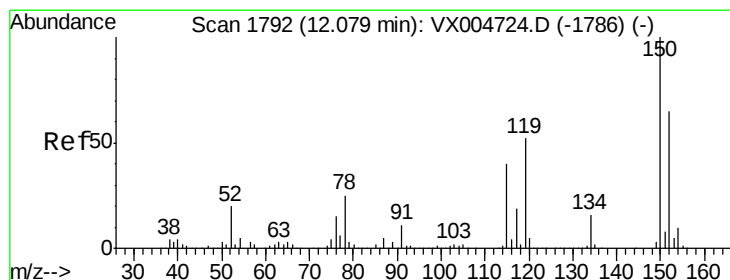
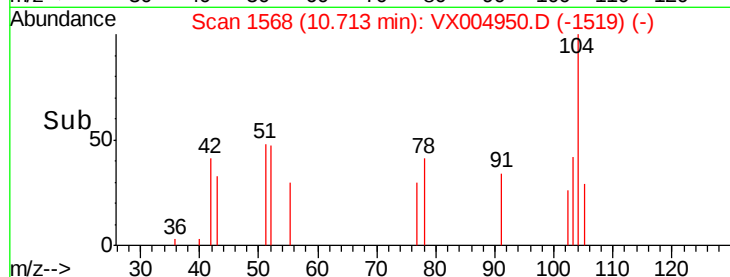
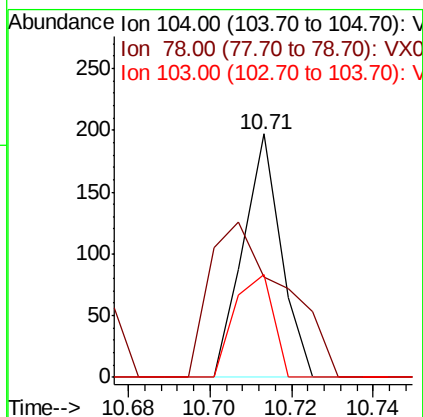
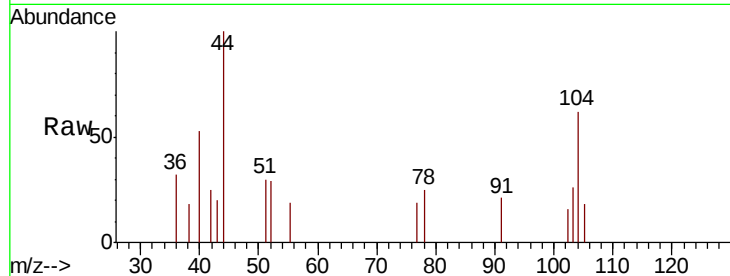




#70
Stvrene
Concen: 2.154 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004950.D
Acq: 03 Oct 2018 06:39

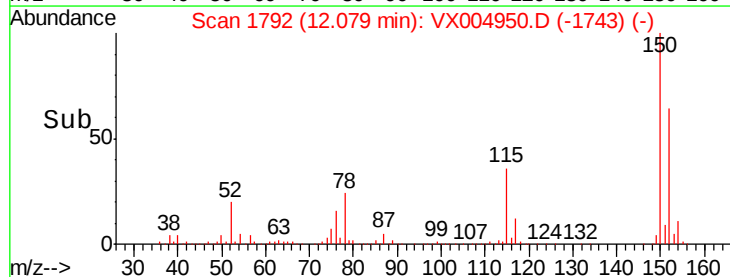
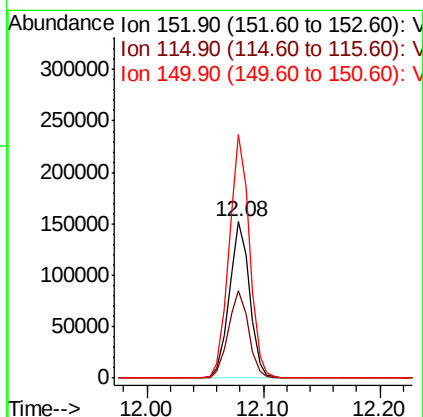
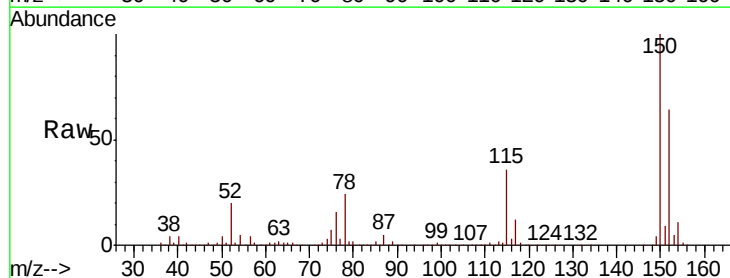
Instrument :
MSVOA_X
ClientSampled :
VX1003MBL01

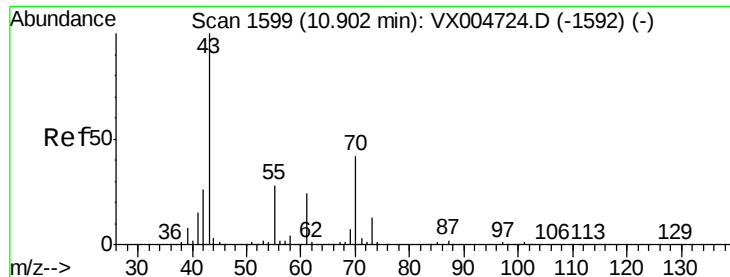
Tot Ion:104 Resp: 128
Ion Ratio Lower Upper
104 100
78 125.0 40.0 60.0#
103 43.0 44.3 66.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004950.D
Acq: 03 Oct 2018 06:39

Tgt Ion:152 Resp: 183544
Ion Ratio Lower Upper
152 100
115 56.2 40.2 120.6
150 156.7 0.0 351.0





#74

N-amvl acetate

Concen: 1.763 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004950.D

Acq: 03 Oct 2018 06:39

Instrument :

MSVOA_X

ClientSampleId :

VX1003MBL01

Tot Ion: 43 Resp: 99

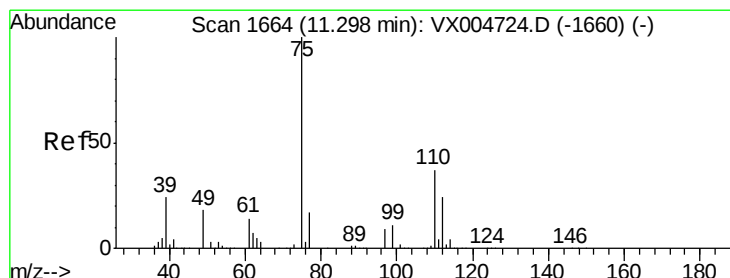
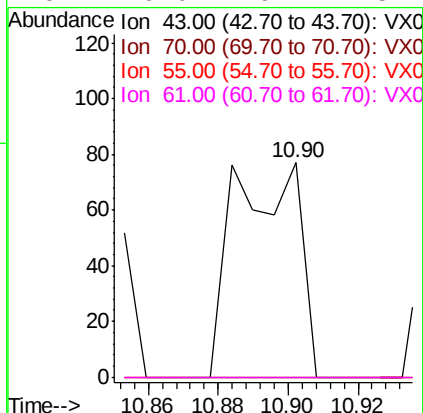
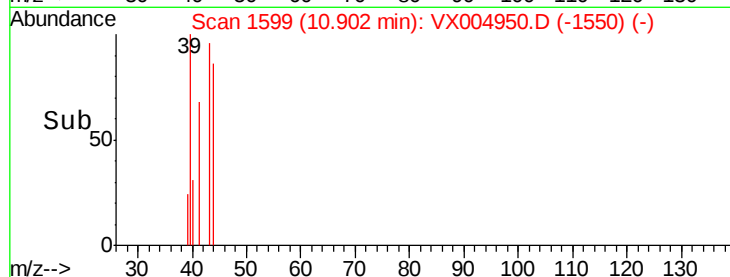
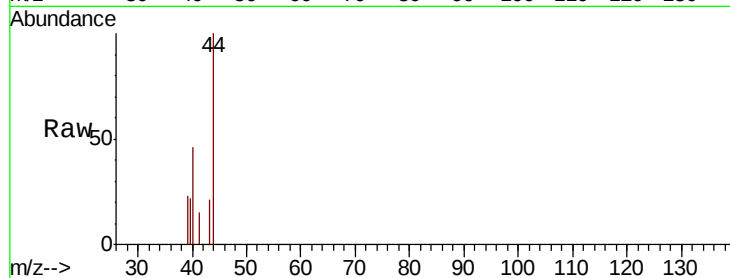
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#



#76

1,2,3-Trichloropropane

Concen: 21.184 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004950.D

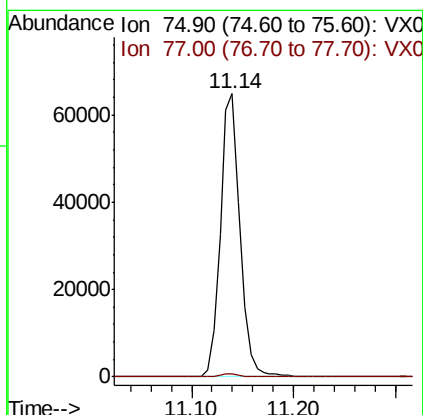
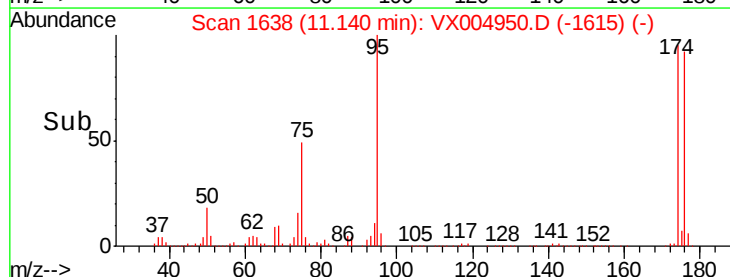
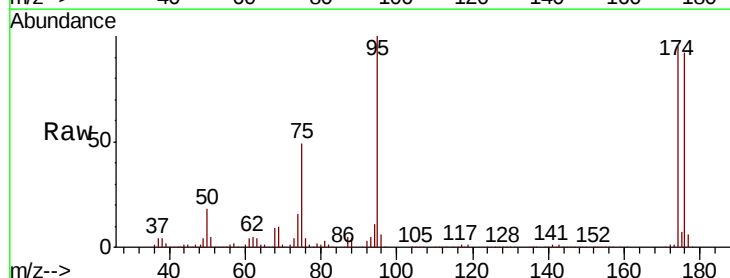
Acq: 03 Oct 2018 06:39

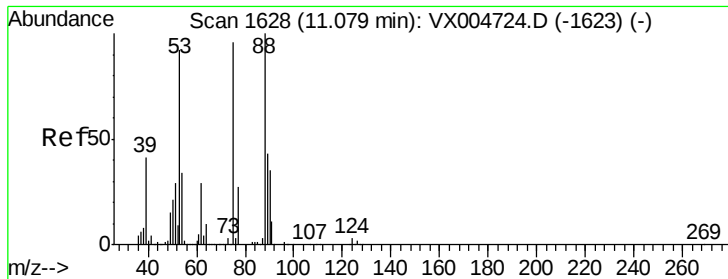
Tgt Ion: 75 Resp: 87147

Ion Ratio Lower Upper

75 100

77 1.3 21.4 64.3#

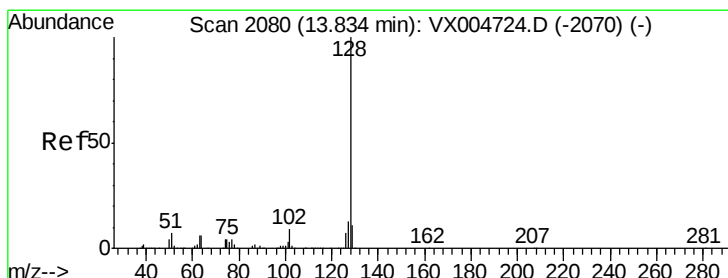
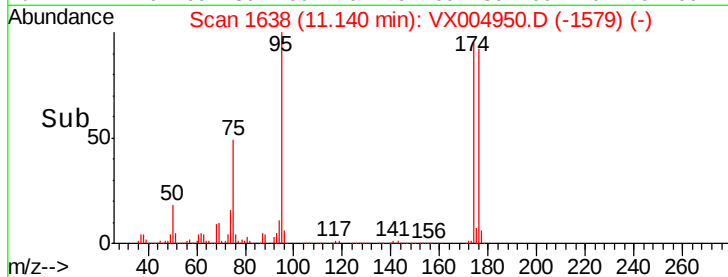
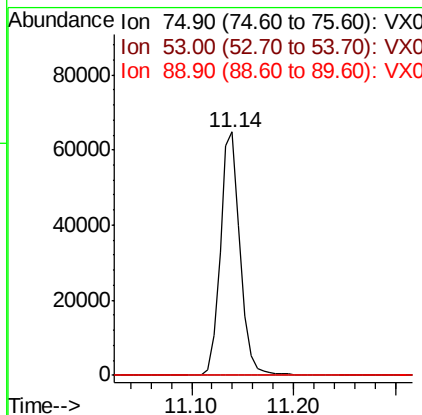
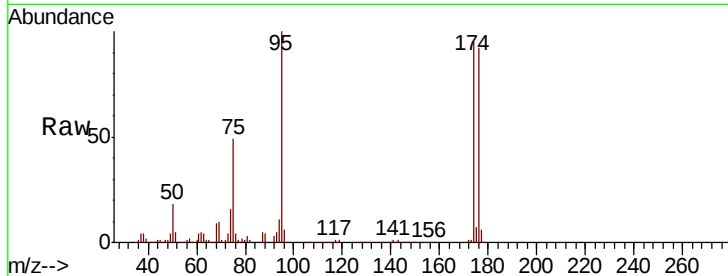




#81
trans-1,4-Dichloro-2-butene
Concen: 57.467 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.06 min
Lab File: VX004950.D
Acq: 03 Oct 2018 06:39

Instrument :
MSVOA_X
ClientSampleId :
VX1003MBL01

Tot Ion: 75 Resp: 87147
Ion Ratio Lower Upper
75 100
53 0.3 80.2 120.4#
89 0.0 37.1 55.7#



#95
Naphthalene
Concen: 0.771 ug/l
RT: 13.84 min Scan# 2081
Delta R.T. 0.01 min
Lab File: VX004950.D
Acq: 03 Oct 2018 06:39

Tgt Ion:128 Resp: 801
Ion Ratio Lower Upper
128 100
127 17.7 10.4 15.6#
129 13.1 8.7 13.1#

