

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004728.D
 Acq On : 26 Sep 2018 16:03
 Operator : JC/MD
 Sample : VX0926WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBL01

Quant Time: Sep 27 01:10:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

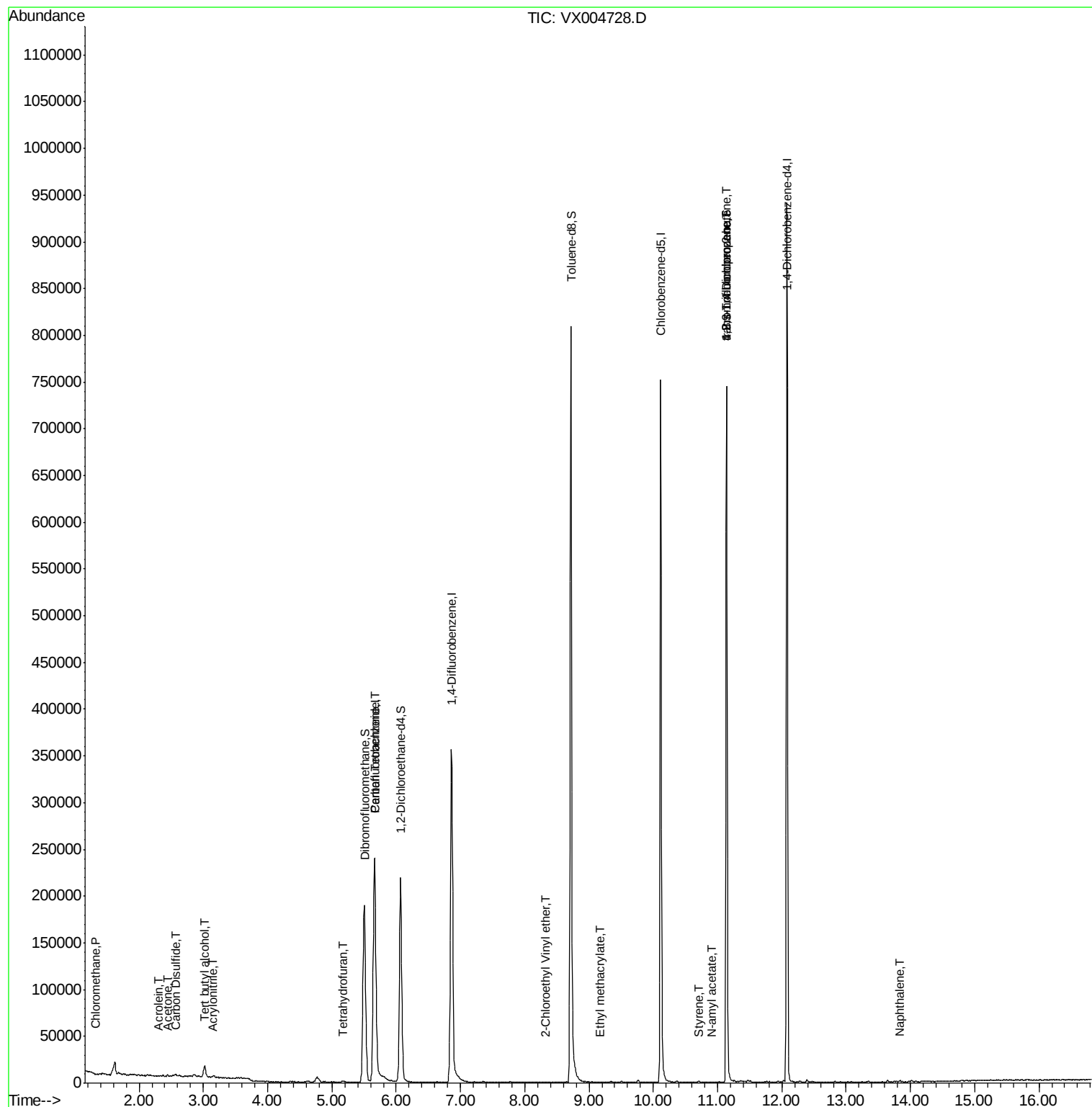
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	376258	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	358691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197661	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	203716	55.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.12%	
35) Dibromofluoromethane	5.50	113	165770	51.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.96%	
50) Toluene-d8	8.72	98	537836	50.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.14	95	189726	49.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.36%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	919	0.214	ug/l	93
6) Chloroethane	1.69	64	275	Below Cal	#	59
11) Tert butyl alcohol	3.02	59	7830	7.568	ug/l #	85
13) Acrolein	2.30	56	487	0.662	ug/l #	71
15) Acrylonitrile	3.15	53	1052	0.462	ug/l #	79
16) Acetone	2.45	43	1841	0.852	ug/l	94
17) Carbon Disulfide	2.57	76	2881	0.342	ug/l	98
20) Methylene Chloride	2.85	84	1262	Below Cal		96
29) Tetrahydrofuran	5.17	42	1258	0.636	ug/l #	63
38) Carbon Tetrachloride	5.66	117	23008	5.031	ug/l #	16
56) Ethyl methacrylate	9.18	69	55	2.872	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.32	63	260	14.329	ug/l #	45
70) Styrene	10.71	104	280	2.168	ug/l #	83
74) N-amyl acetate	10.91	43	245	1.782	ug/l #	64
76) 1,2,3-Trichloropropane	11.14	75	94094	21.239	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	270	Below Cal		83
81) trans-1,4-Dichloro-2-buten	11.14	75	94094	57.611	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.82	105	359	Below Cal		99
95) Naphthalene	13.83	128	1106	0.786	ug/l #	87

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

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ClientSampled :
VX0926WBL01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
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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: VX004728.D

Acq: 26 Sep 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

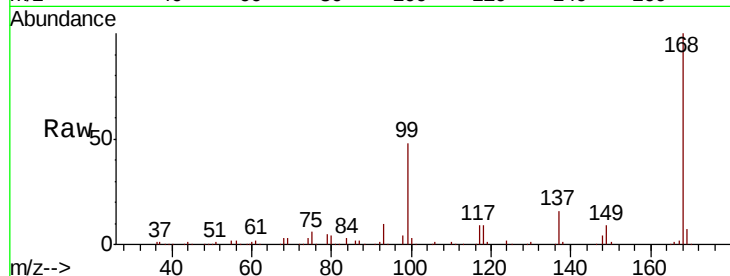
VX0926WBL01

Tot Ion:168 Resp: 259019

Ion Ratio Lower Upper

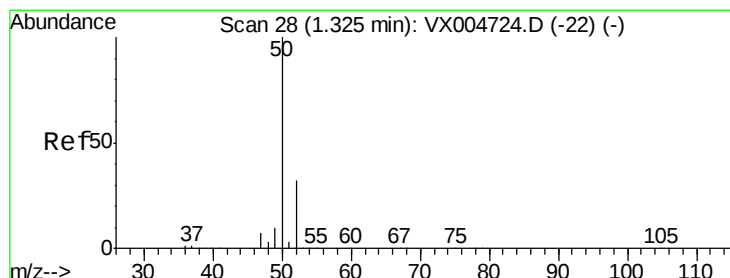
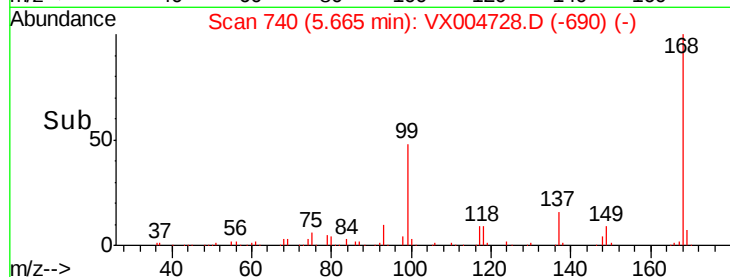
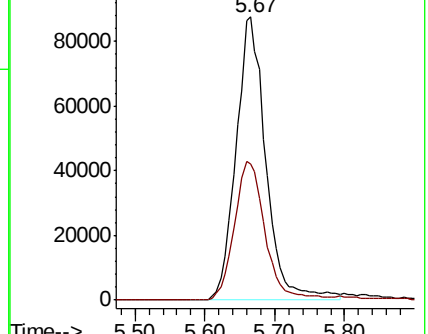
168 100

99 48.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.214 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX004728.D

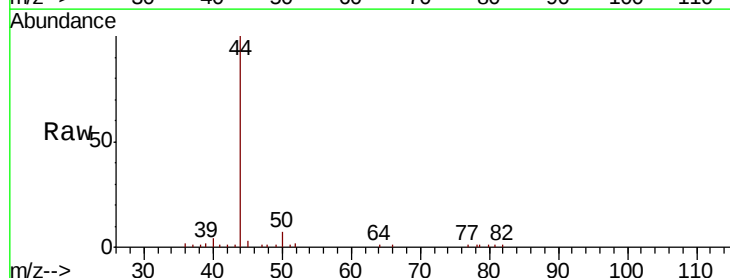
Acq: 26 Sep 2018 16:03

Tgt Ion: 50 Resp: 919

Ion Ratio Lower Upper

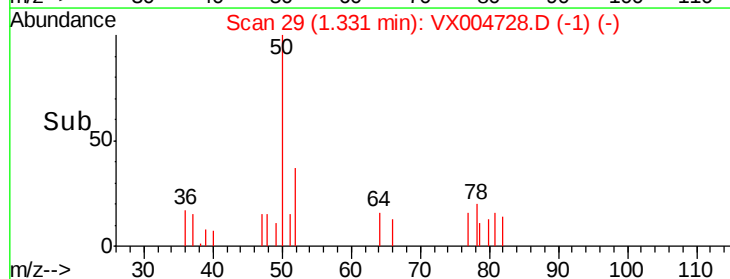
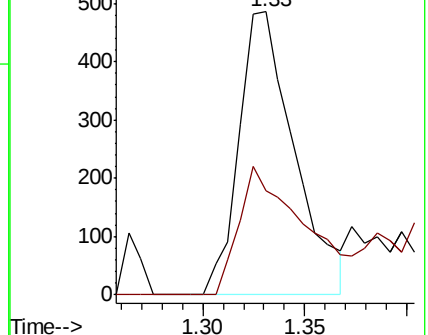
50 100

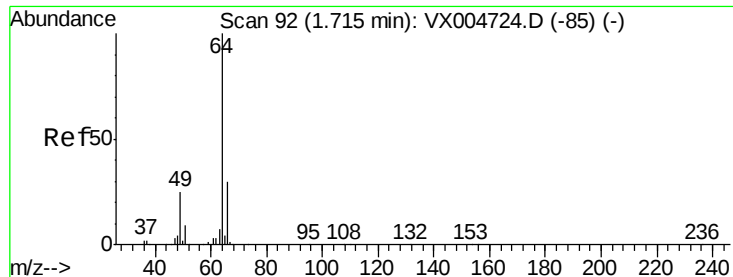
52 36.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX004728.D

Acq: 26 Sep 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

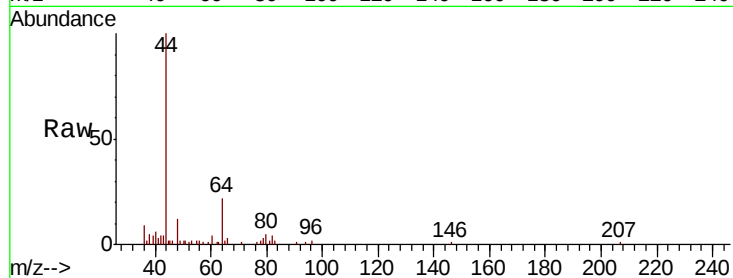
VX0926WBL01

Tot Ion: 64 Resp: 275

Ion Ratio Lower Upper

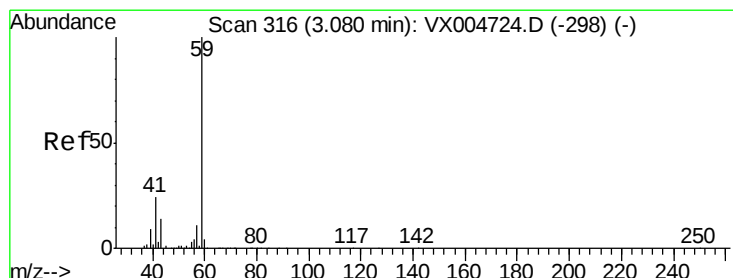
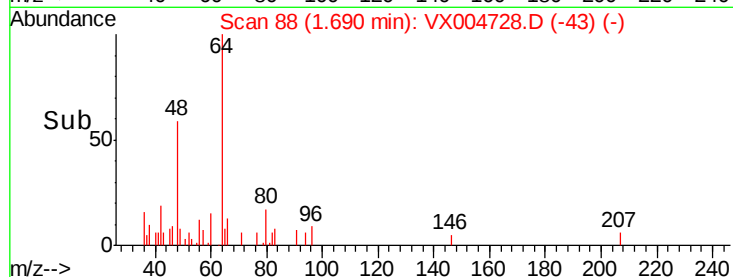
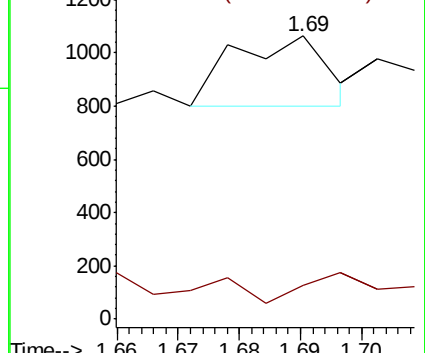
64 100

66 8.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 7.568 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX004728.D

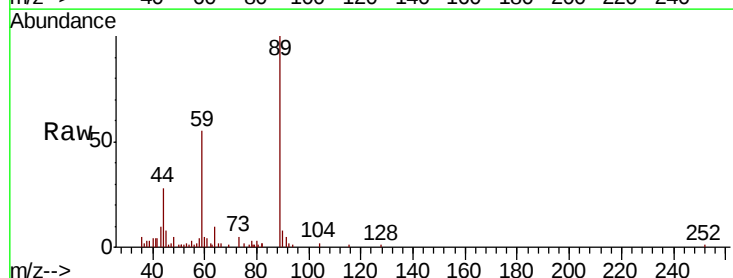
Acq: 26 Sep 2018 16:03

Tgt Ion: 59 Resp: 7830

Ion Ratio Lower Upper

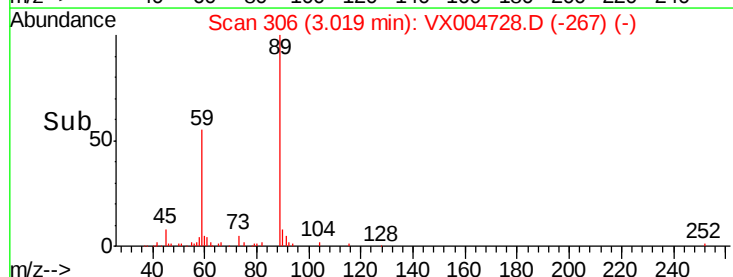
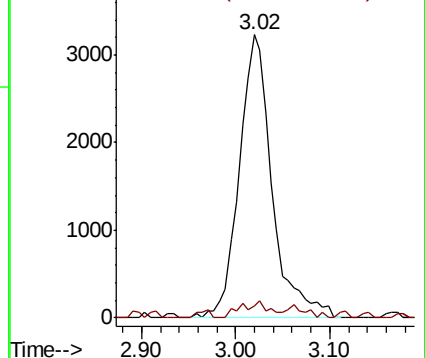
59 100

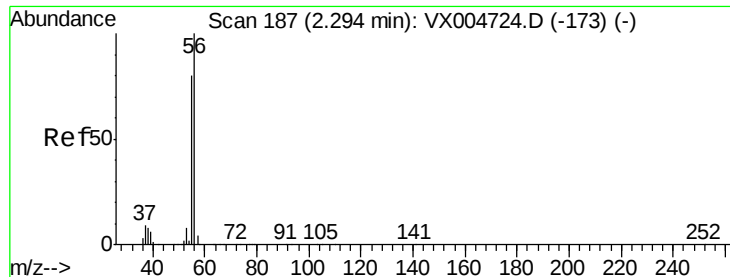
57 4.7 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.662 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004728.D

Acq: 26 Sep 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

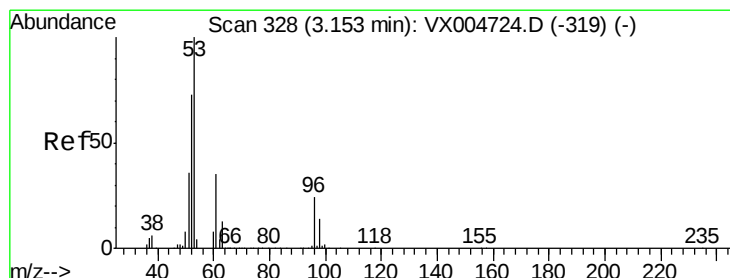
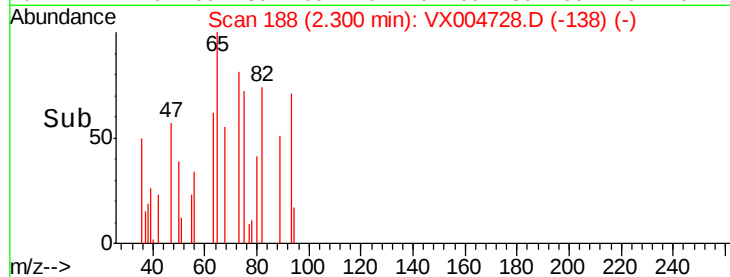
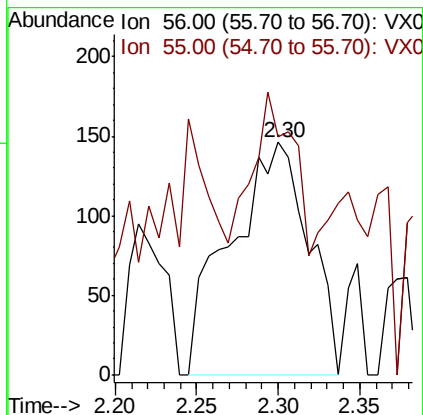
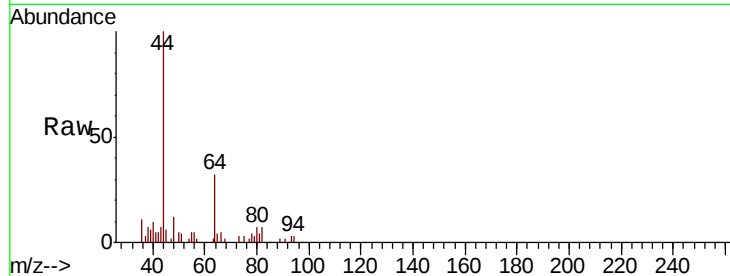
VX0926WBL01

Tot Ion: 56 Resp: 487

Ion Ratio Lower Upper

56 100

55 45.0 54.7 82.1#



#15

Acrylonitrile

Concen: 0.462 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX004728.D

Acq: 26 Sep 2018 16:03

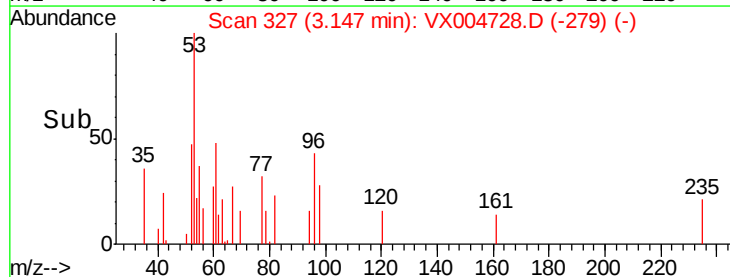
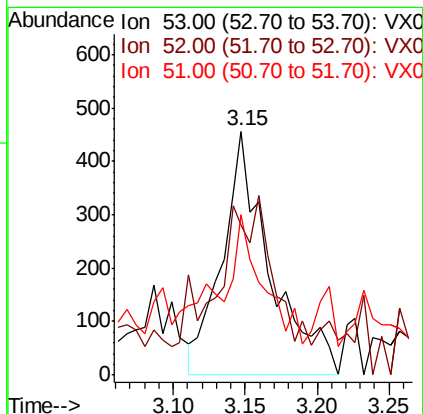
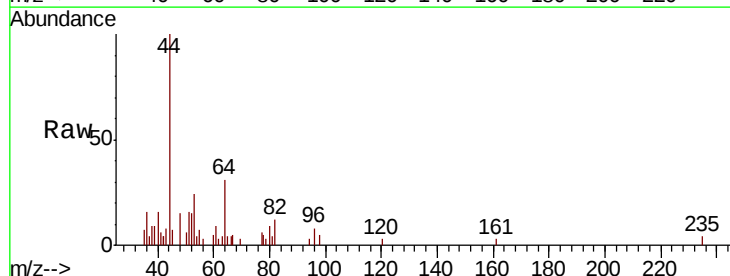
Tgt Ion: 53 Resp: 1052

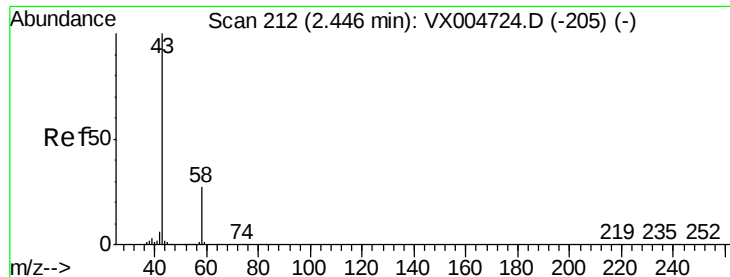
Ion Ratio Lower Upper

53 100

52 56.8 65.2 97.8#

51 31.7 28.2 42.2





#16

Acetone

Concen: 0.852 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004728.D

Acq: 26 Sep 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

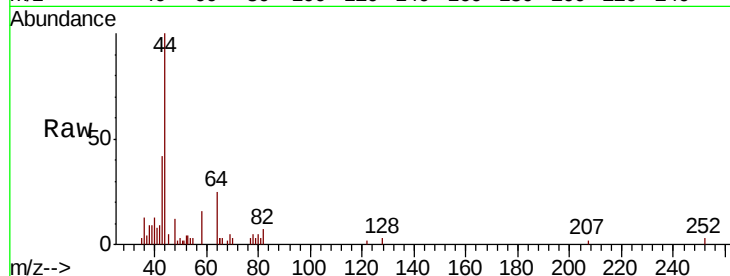
VX0926WBL01

Tot Ion: 43 Resp: 1841

Ion Ratio Lower Upper

43 100

58 36.1 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

400

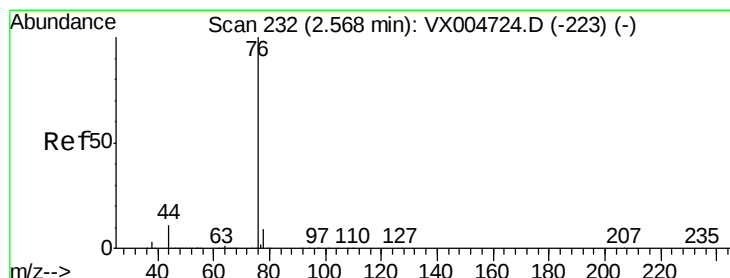
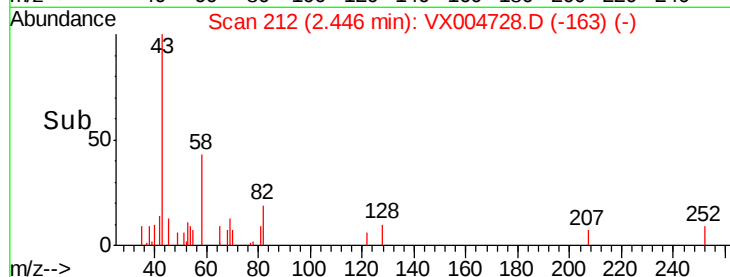
200

0

2.45

2.40 2.45 2.50 2.55

Time-->



#17

Carbon Disulfide

Concen: 0.342 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004728.D

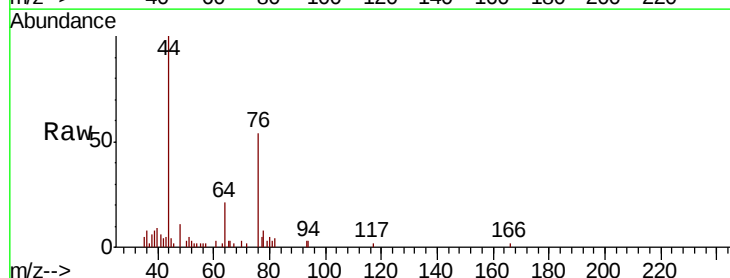
Acq: 26 Sep 2018 16:03

Tgt Ion: 76 Resp: 2881

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2000

1500

1000

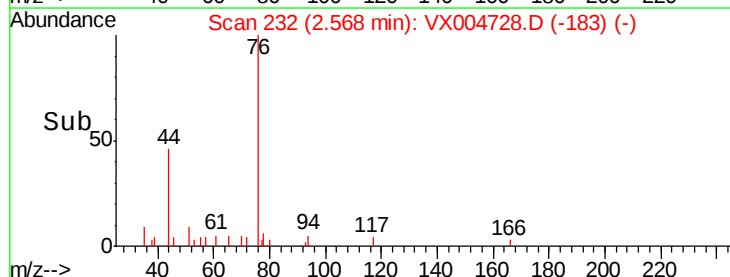
500

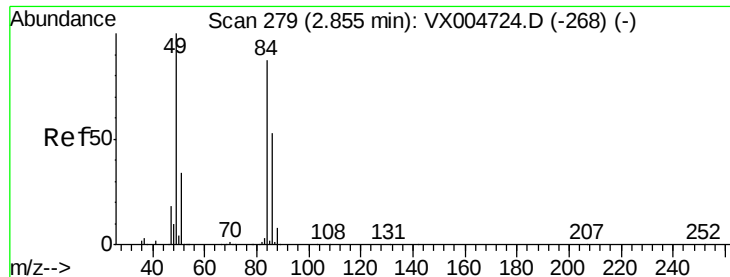
0

2.57

2.50 2.55 2.60 2.65

Time-->

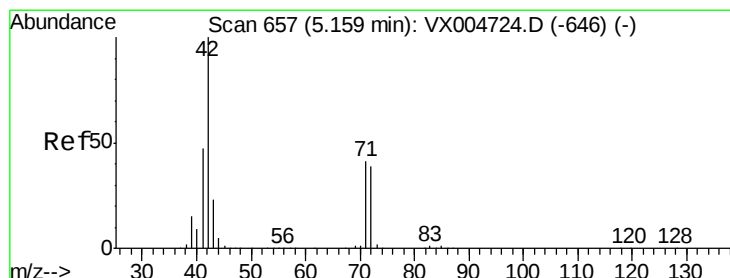
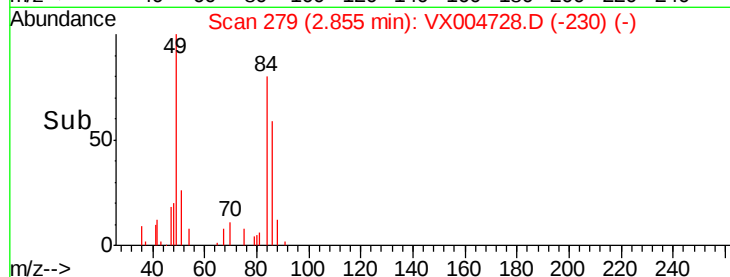
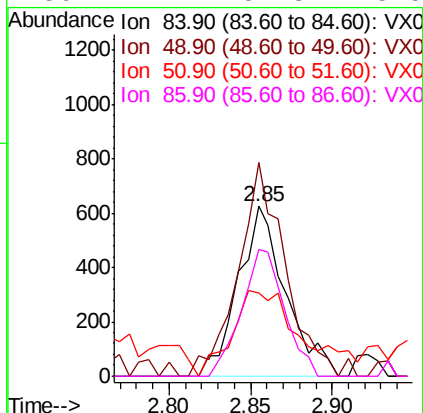
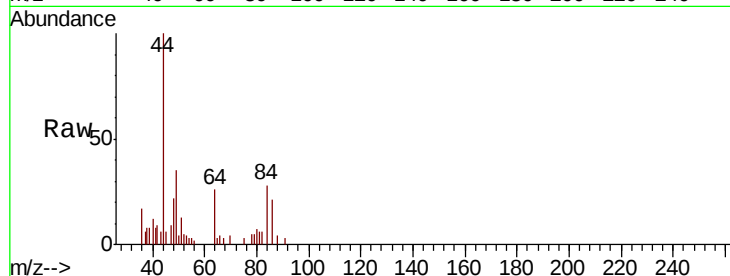




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004728.D
Acq: 26 Sep 2018 16:03

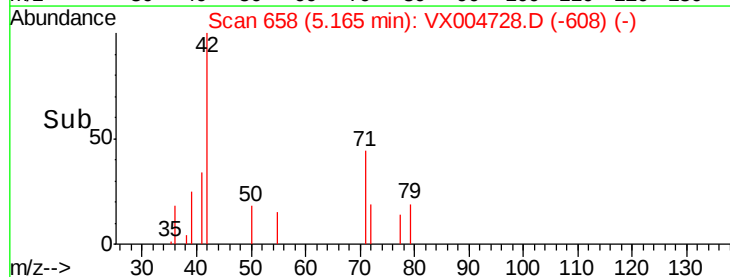
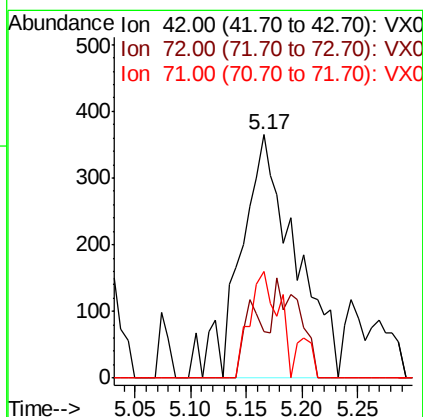
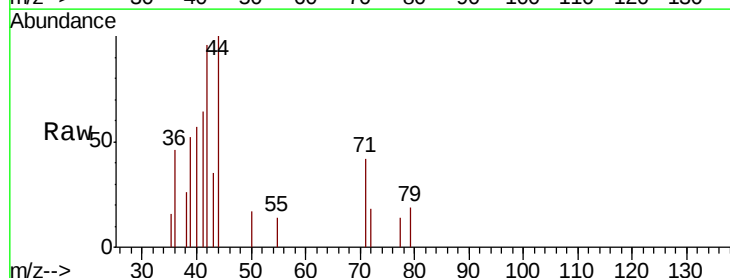
Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

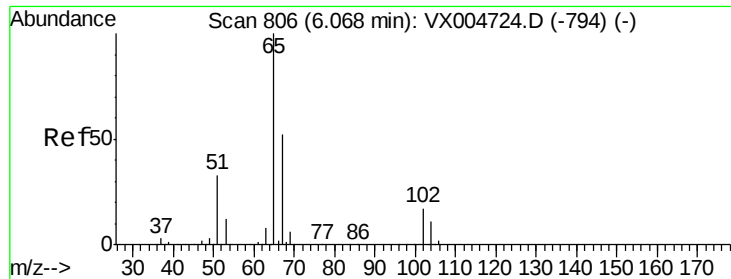
Tot Ion:	84	Resp:	1262
Ion	Ratio	Lower	Upper
84	100		
49	125.6	101.2	151.8
51	39.0	29.5	44.3
86	74.4	52.3	78.5



#29
Tetrahydrofuran
Concen: 0.636 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX004728.D
Acq: 26 Sep 2018 16:03

Tgt Ion:	42	Resp:	1258
Ion	Ratio	Lower	Upper
42	100		
72	18.4	37.4	56.0#
71	22.8	34.5	51.7#

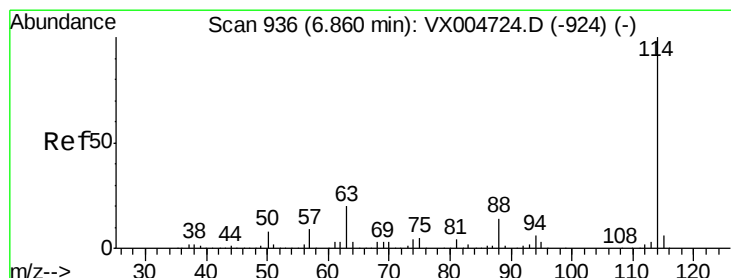
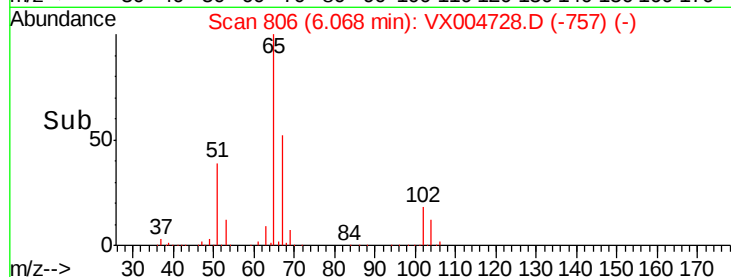
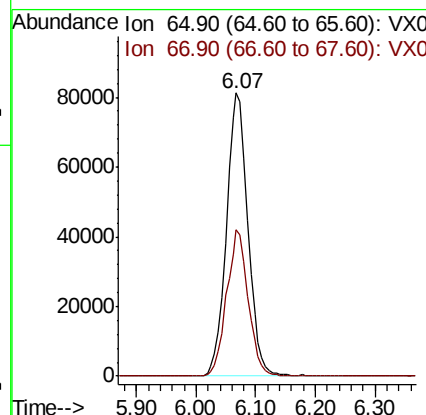
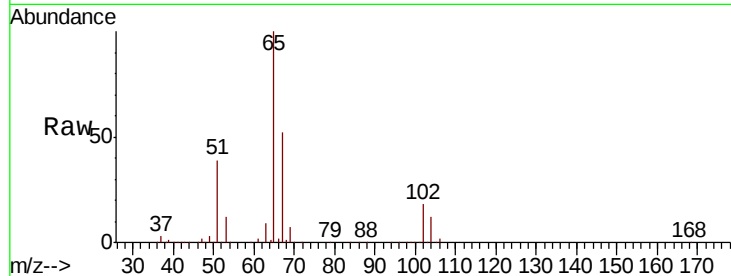




#33
 1,2-Dichloroethane-d4
 Concen: 55.057 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004728.D
 Acq: 26 Sep 2018 16:03

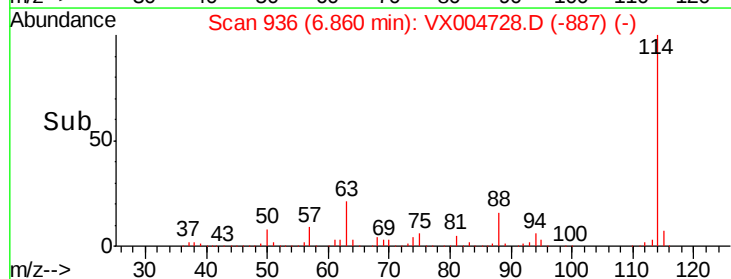
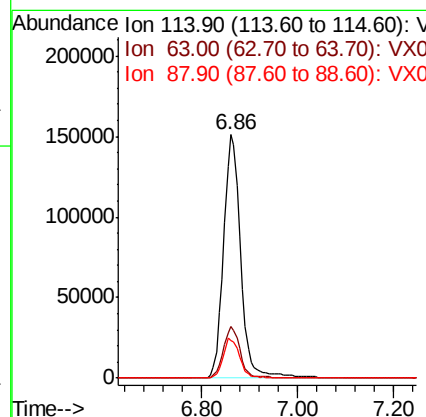
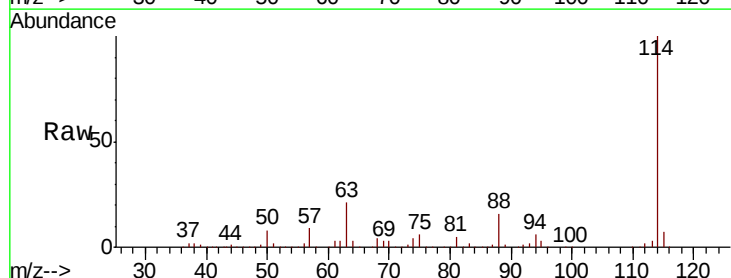
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBL01

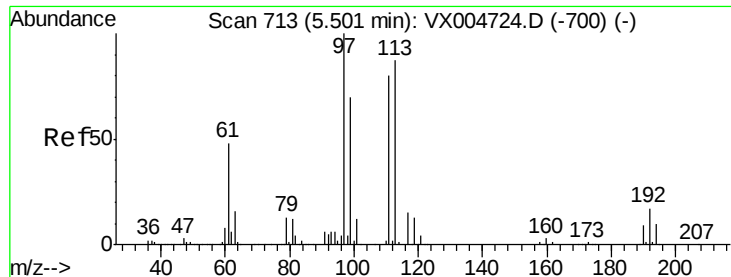
Tot Ion: 65 Resp: 203716
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004728.D
 Acq: 26 Sep 2018 16:03

Tgt Ion: 114 Resp: 376258
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.0
 88 15.5 0.0 30.4

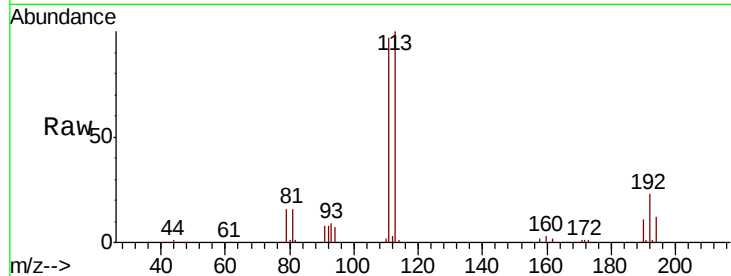




#35
 Dibromofluoromethane
 Concen: 51.984 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004728.D
 Acq: 26 Sep 2018 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	22.9	19.4	29.2

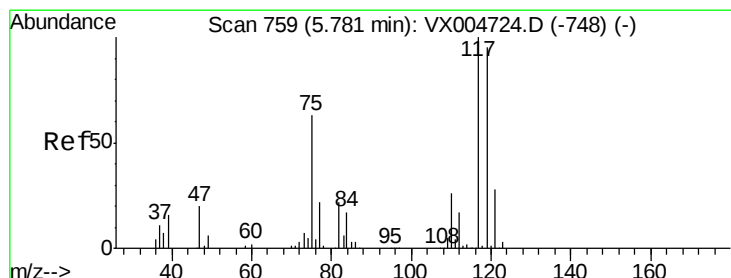
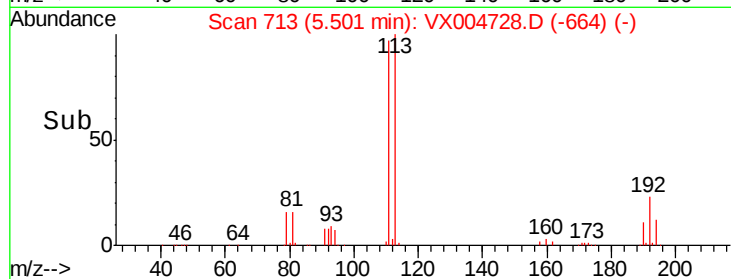
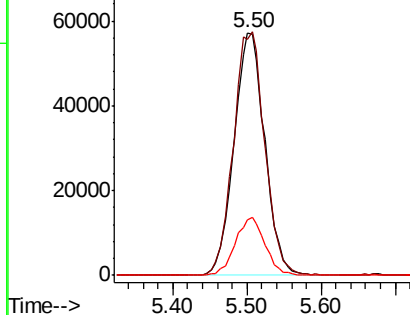


Abundance

Ion 112.80 (112.50 to 113.50): V

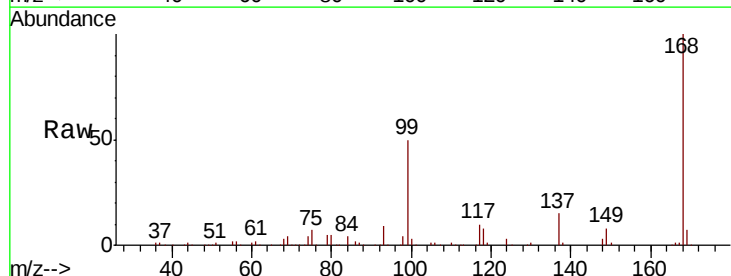
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#38
 Carbon Tetrachloride
 Concen: 5.031 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004728.D
 Acq: 26 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	78.8	118.2#
121	0.0	24.9	37.3#

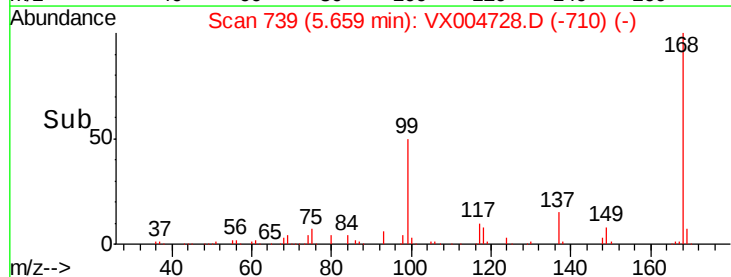
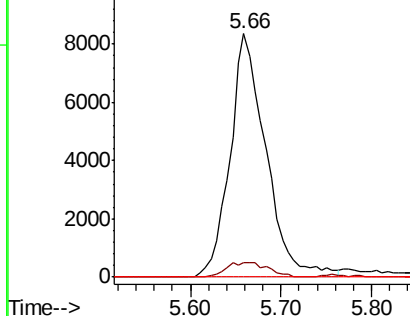


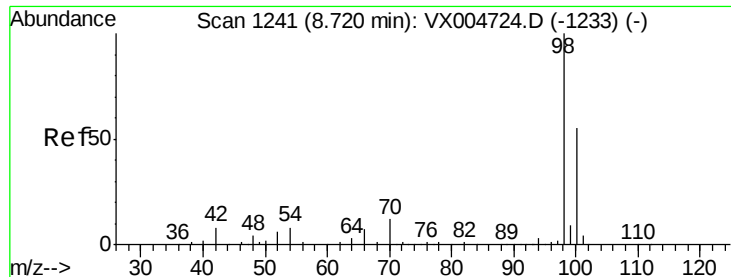
Abundance

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

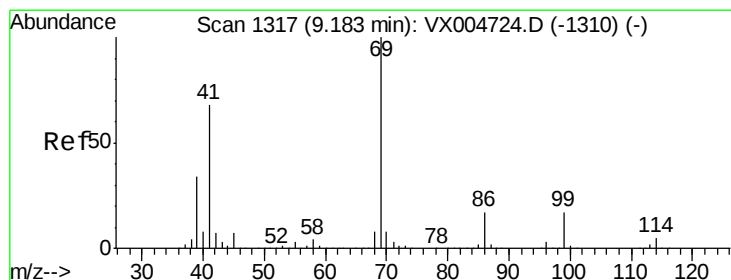
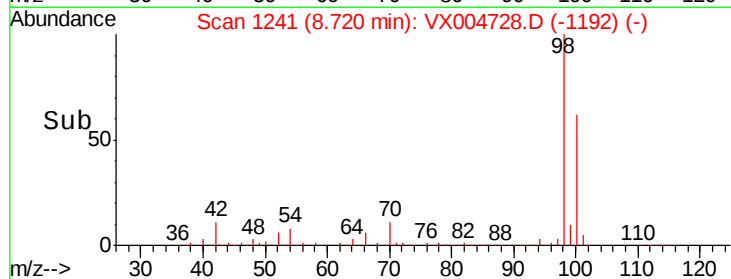
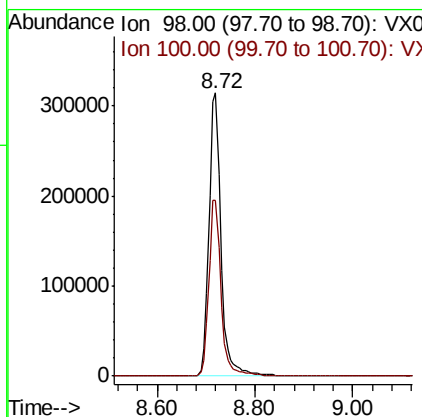
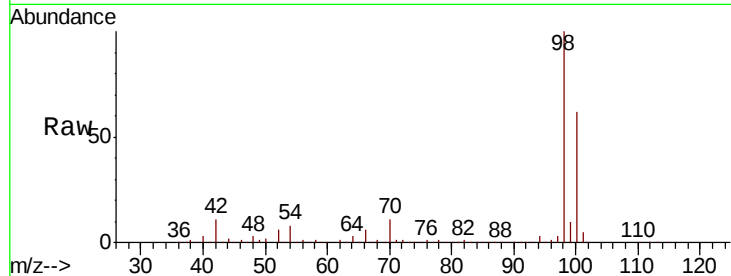




#50
Toluene-d8
Concen: 50.733 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004728.D
Acq: 26 Sep 2018 16:03

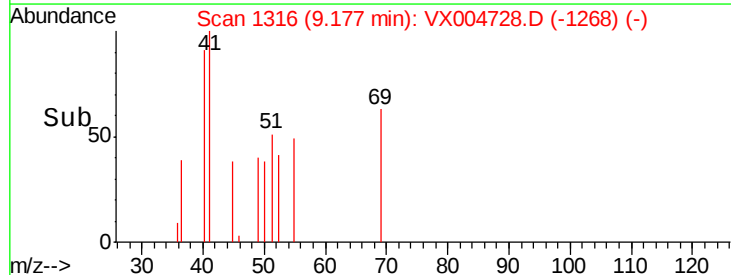
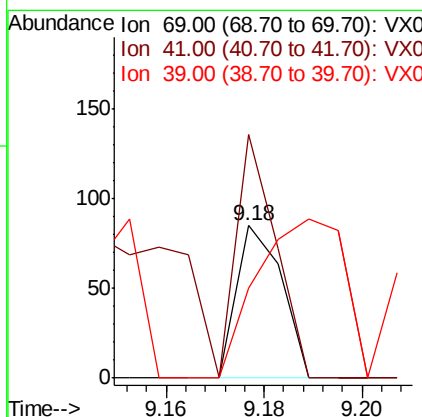
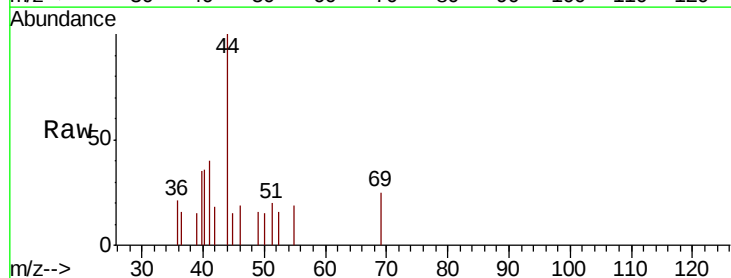
Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

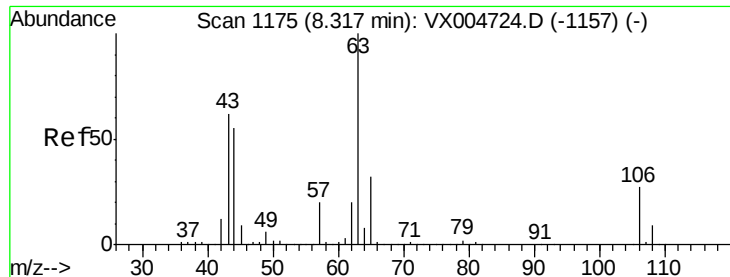
Tot Ion: 98 Resp: 537836
Ion Ratio Lower Upper
98 100
100 63.4 52.9 79.3



#56
Ethyl methacrylate
Concen: 2.872 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VX004728.D
Acq: 26 Sep 2018 16:03

Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 138.2 51.0 76.4#
39 198.2 26.1 39.1#

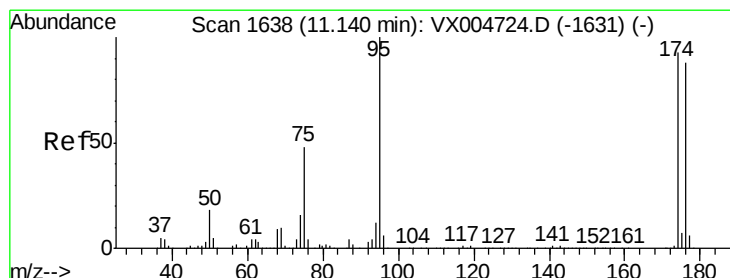
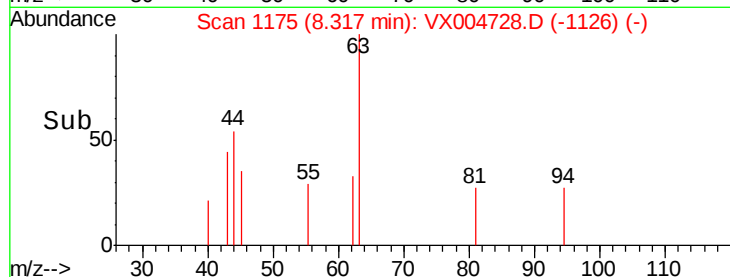
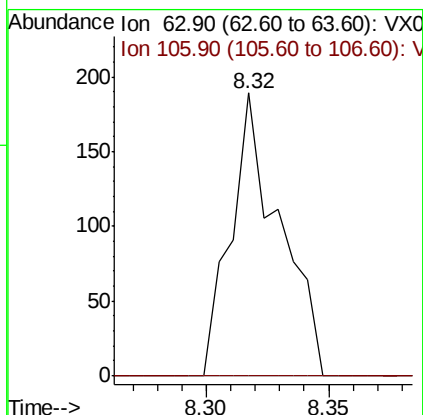
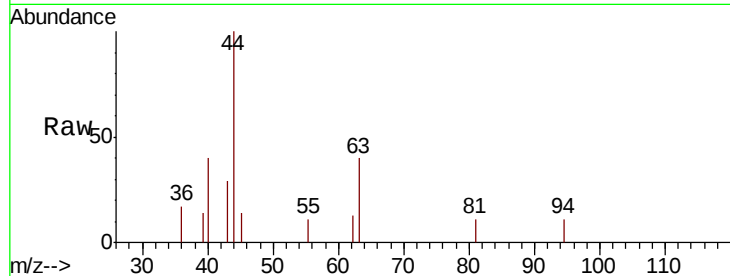




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.329 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004728.D
 Acq: 26 Sep 2018 16:03

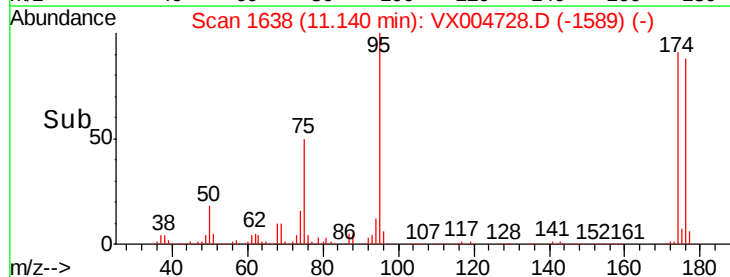
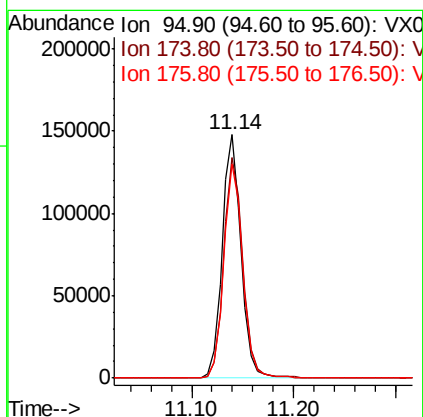
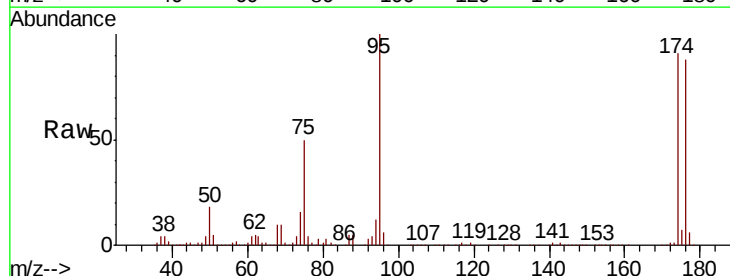
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBL01

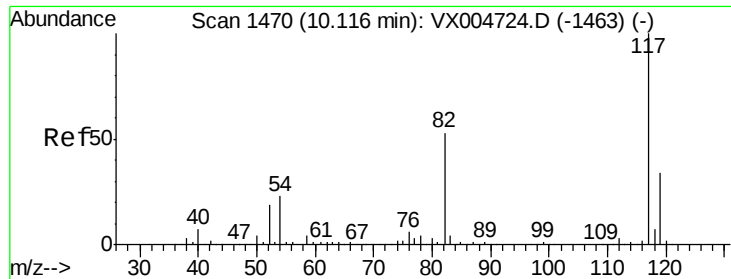
Tot Ion: 63 Resp: 260
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 49.677 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004728.D
 Acq: 26 Sep 2018 16:03

Tgt Ion: 95 Resp: 189726
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 185.2
 176 88.6 0.0 178.6

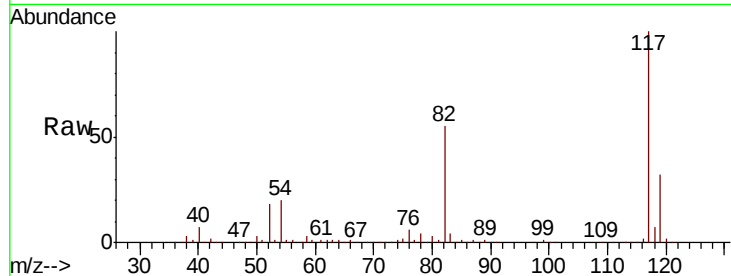




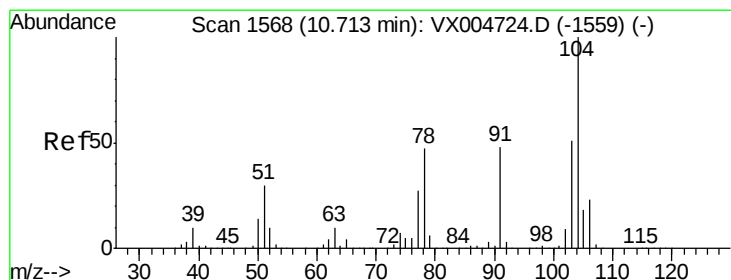
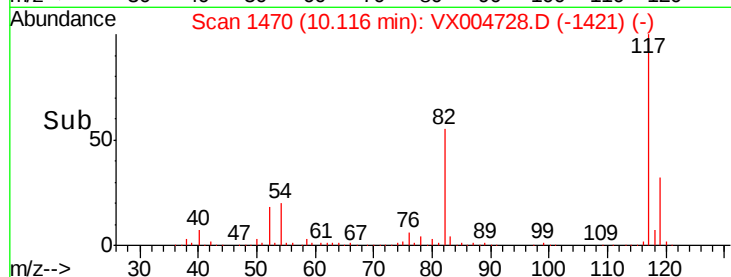
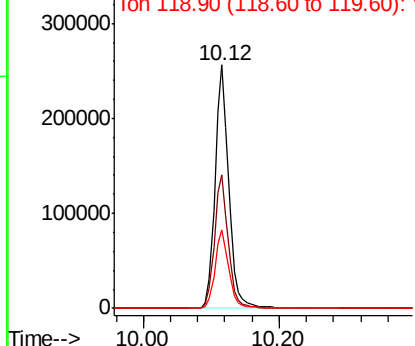
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004728.D
Acq: 26 Sep 2018 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

Tot Ion:117 Resp: 358691
Ion Ratio Lower Upper
117 100
82 54.7 47.8 71.6
119 32.0 29.3 43.9

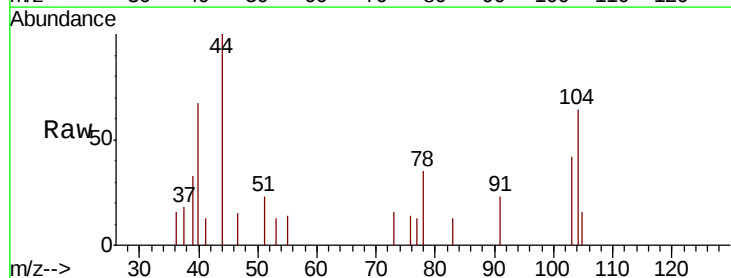


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

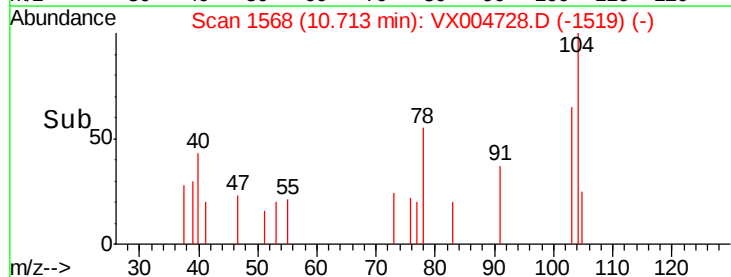
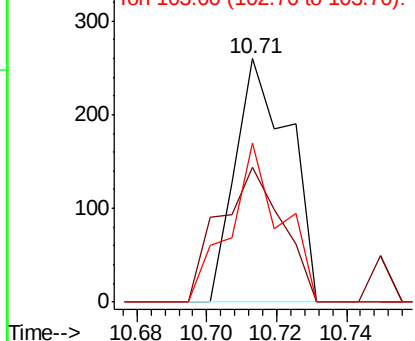


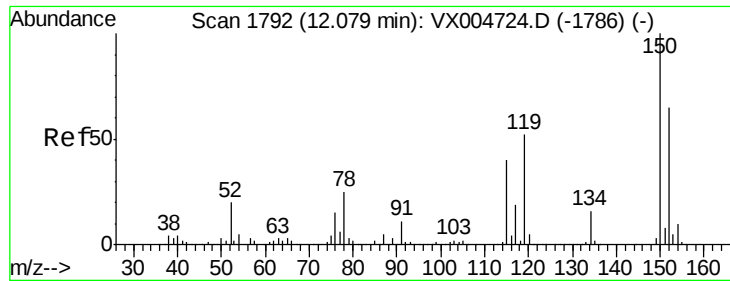
#70
Styrene
Concen: 2.168 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004728.D
Acq: 26 Sep 2018 16:03

Tgt Ion:104 Resp: 280
Ion Ratio Lower Upper
104 100
78 63.9 37.4 56.0#
103 61.8 43.8 65.6



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: VX004728.D

Acq: 26 Sep 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBL01

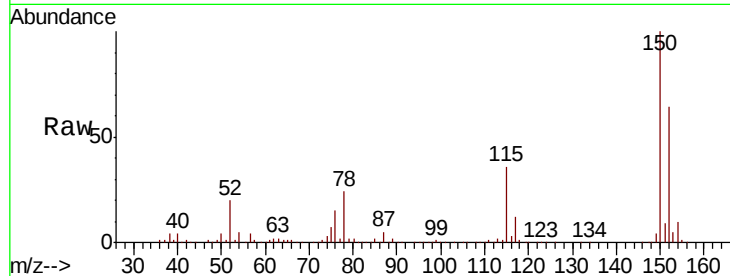
Tot Ion:152 Resp: 197661

Ion Ratio Lower Upper

152 100

115 55.4 39.0 117.0

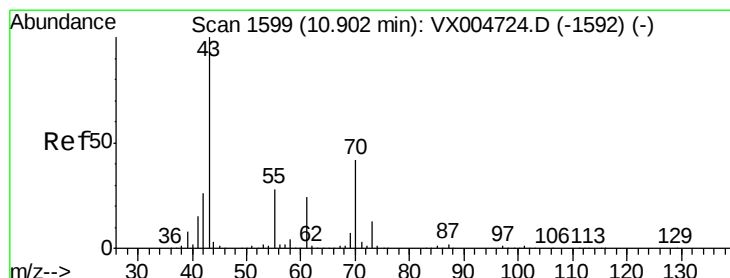
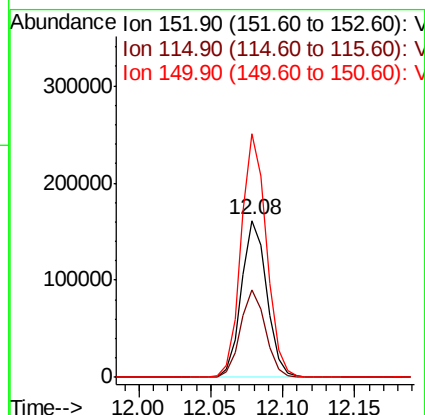
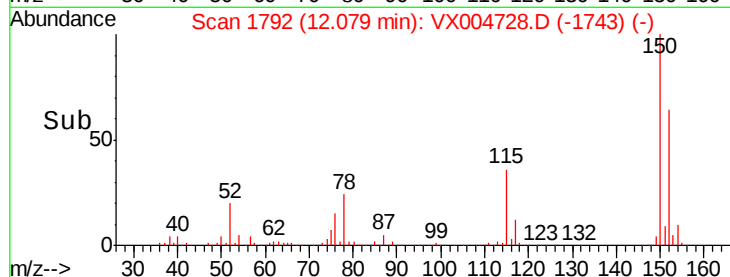
150 155.2 0.0 351.0



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-ethyl acetate

Concen: 1.782 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX004728.D

Acq: 26 Sep 2018 16:03

Tgt Ion: 43 Resp: 245

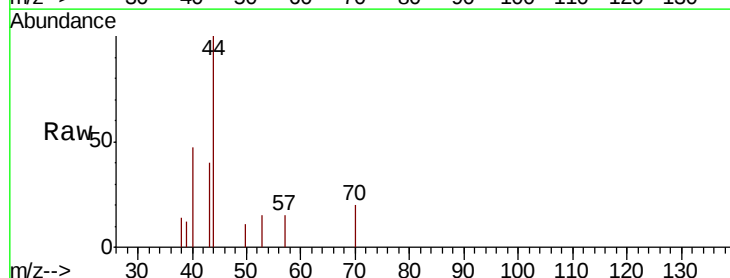
Ion Ratio Lower Upper

43 100

70 34.7 37.4 56.0#

55 0.0 21.8 32.8#

61 0.0 20.6 30.8#

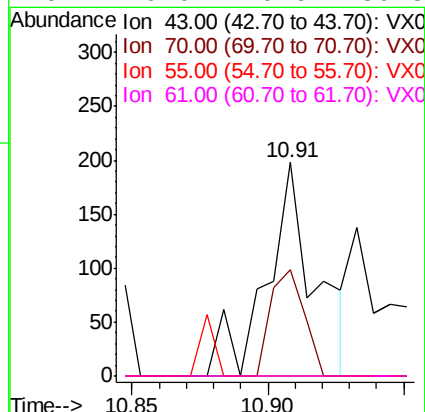
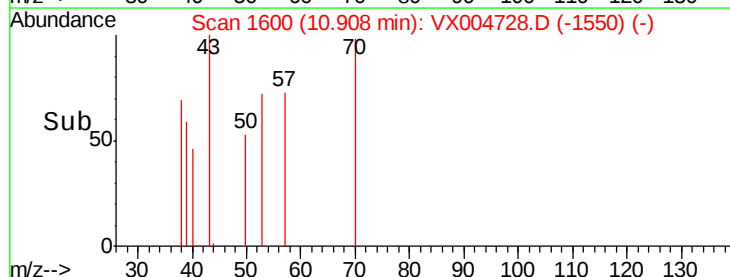


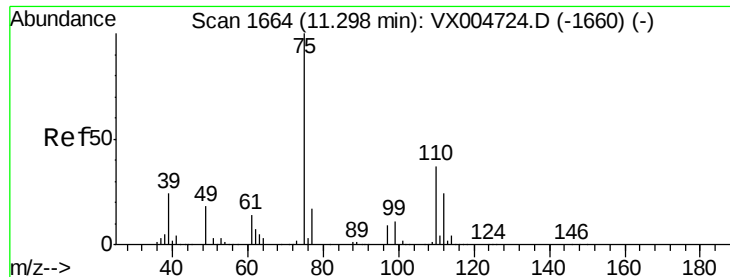
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.239 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004728.D

Acq: 26 Sep 2018 16:03

Instrument :

MSVOA_X

ClientSampleId :

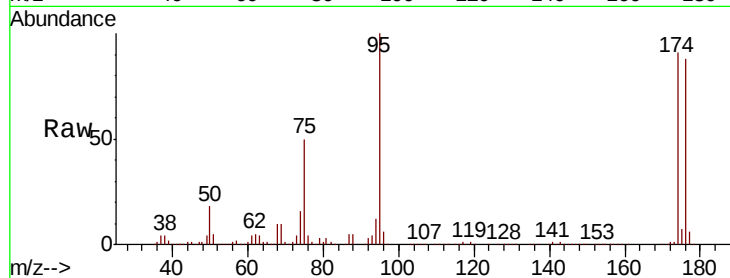
VX0926WBL01

Tot Ion: 75 Resp: 94094

Ion Ratio Lower Upper

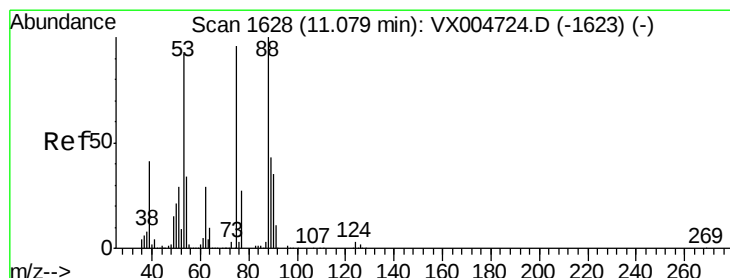
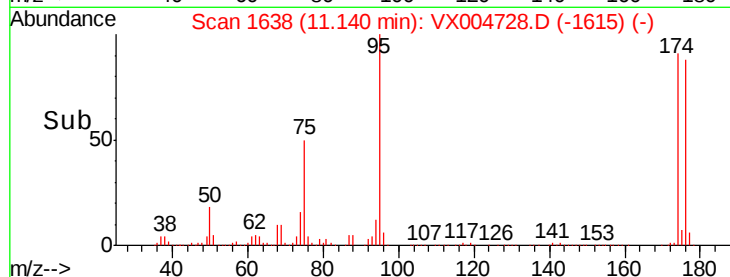
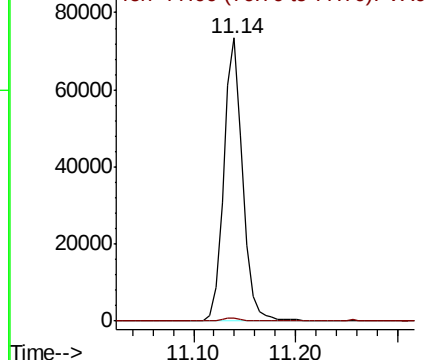
75 100

77 1.3 20.2 60.6#



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: 57.611 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004728.D

Acq: 26 Sep 2018 16:03

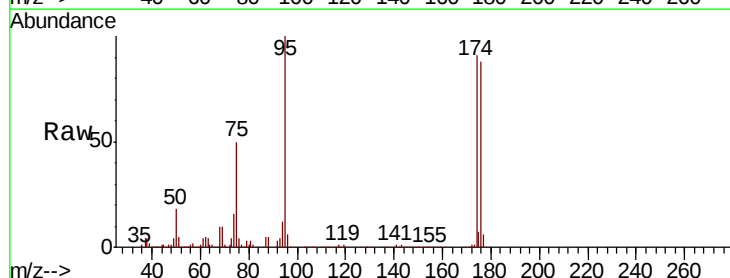
Tgt Ion: 75 Resp: 94094

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

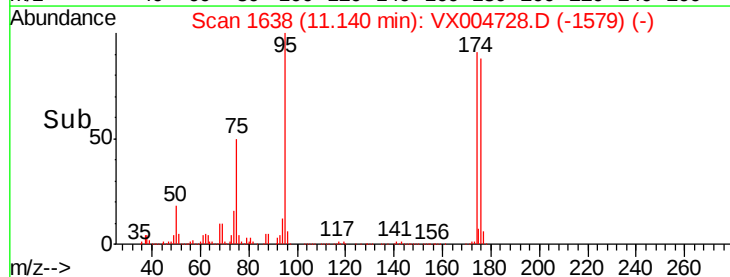
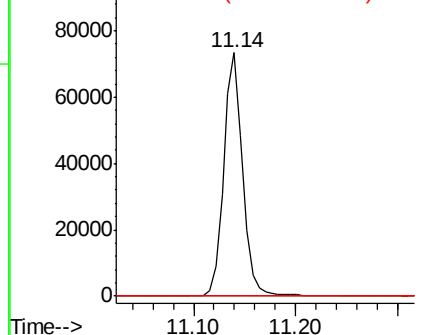
89 0.0 37.2 55.8#

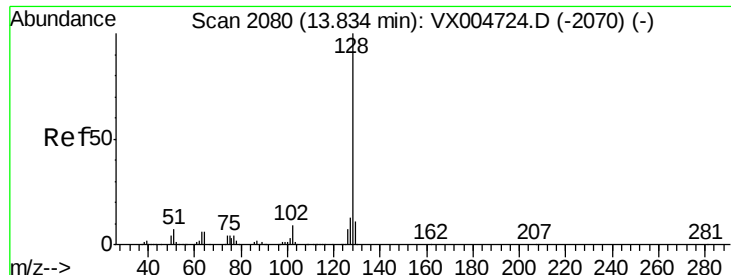


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 0.786 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004728.D
Acq: 26 Sep 2018 16:03

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

Tot Ion:128 Resp: 1106
Ion Ratio Lower Upper
128 100
127 10.5 10.2 15.2
129 2.9 8.6 12.8#

