

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091718\
 Data File : VX004642.D
 Acq On : 18 Sep 2018 01:45
 Operator : JC/MD
 Sample : J4936-26
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 18 02:18:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	332276	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204274	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	155484	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
35) Dibromofluoromethane	5.51	113	145976	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	8.72	98	470241	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
62) 4-Bromofluorobenzene	11.14	95	164371	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	

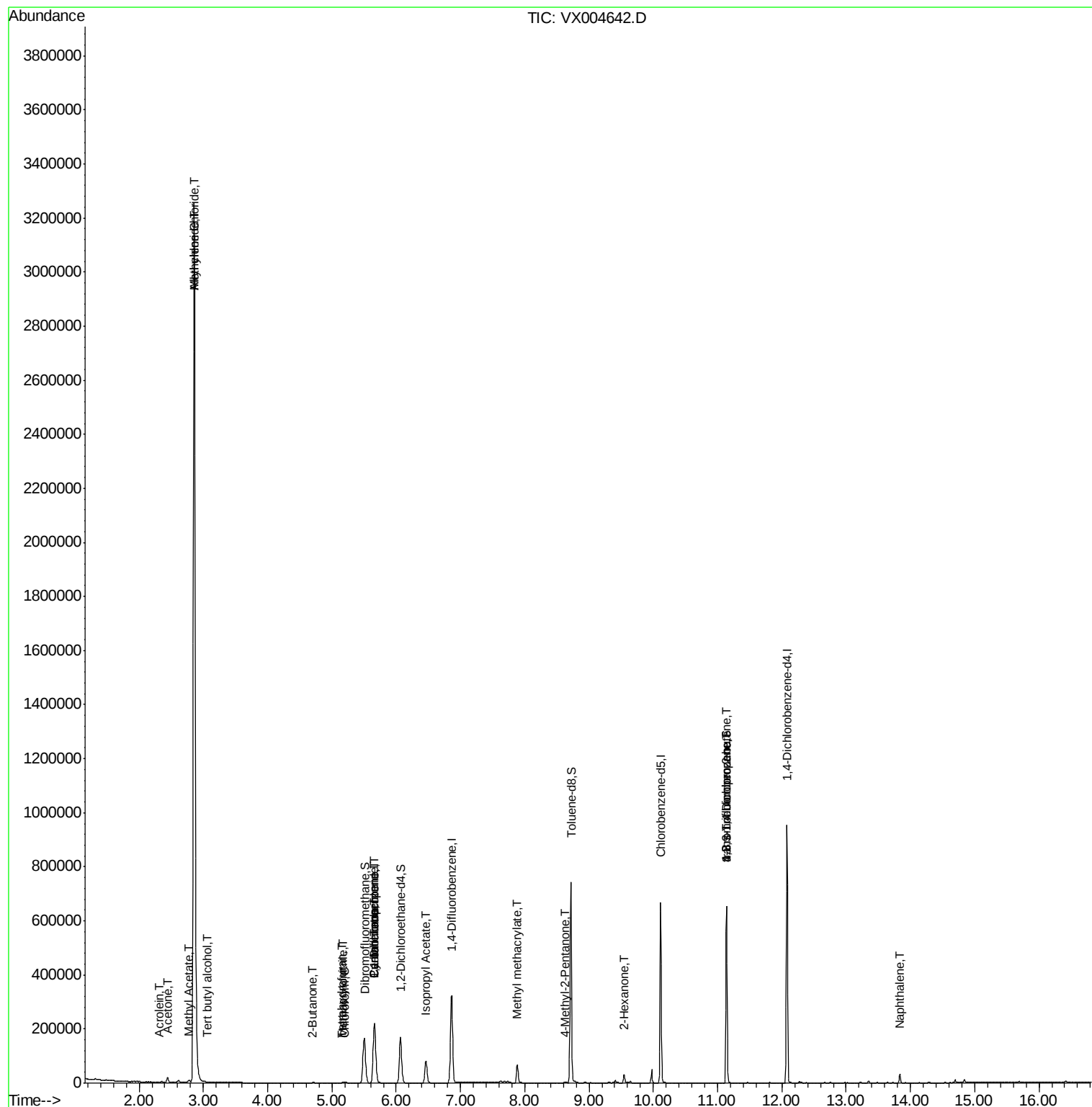
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	393	Below Cal	#	64
11) Tert butyl alcohol	3.07	59	1057	1.47	ug/l #	94
13) Acrolein	2.31	56	72	0.25	ug/l #	13
14) Allyl chloride	2.85	41	65291	13.05	ug/l #	28
16) Acetone	2.44	43	16972	11.58	ug/l	95
18) Methyl Acetate	2.78	43	7992	1.94	ug/l	99
20) Methylene Chloride	2.85	84	1583874	526.64	ug/l	94
25) 2-Butanone	4.70	43	3624	1.55	ug/l #	85
29) Tetrahydrofuran	5.16	42	1527	1.09	ug/l #	77
30) Chloroform	5.20	83	2630	0.53	ug/l #	76
31) Cyclohexane	5.65	56	3825	0.88	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15293	3.79	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20386	5.17	ug/l #	16
41) Methacrylonitrile	5.17	41	942	0.37	ug/l #	46
43) Isopropyl Acetate	6.46	43	106324	17.45	ug/l	97
48) Methyl methacrylate	7.88	41	6857	2.27	ug/l #	39
51) 4-Methyl-2-Pentanone	8.62	43	1464	0.34	ug/l #	34
59) 2-Hexanone	9.55	43	3506	1.06	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	77308	18.81	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	77308	59.96	ug/l #	10
95) Naphthalene	13.83	128	22068	1.58	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004642.D

Acq: 18 Sep 2018 01:45

Instrument :

MSVOA_X

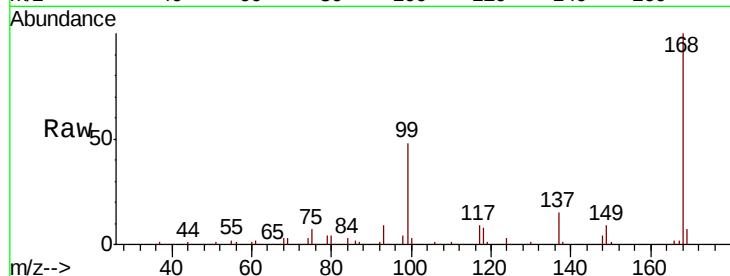
ClientSampleId :

Tot Ion:168 Resp: 232962

Ion Ratio Lower Upper

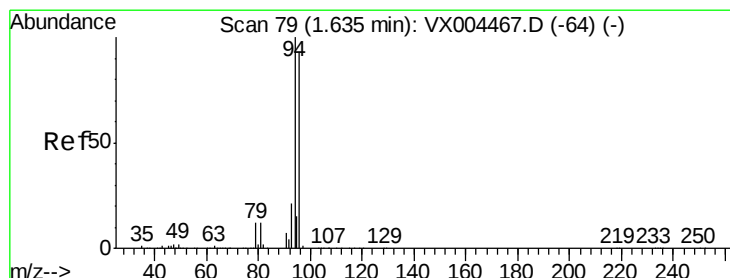
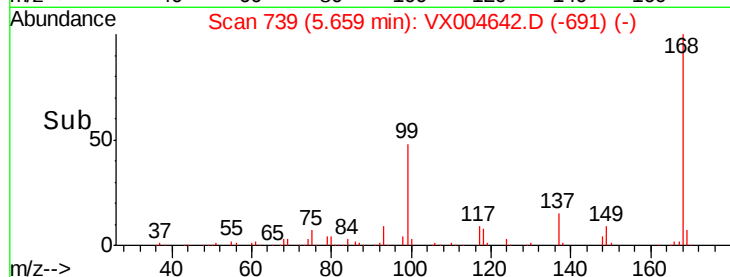
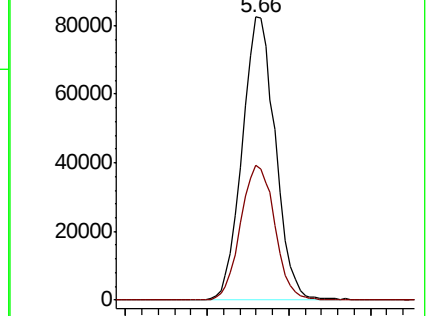
168 100

99 47.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX004642.D

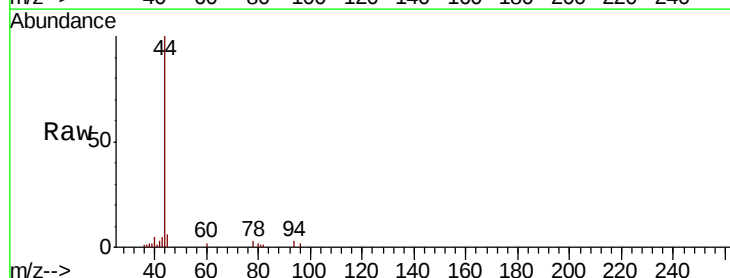
Acq: 18 Sep 2018 01:45

Tgt Ion: 94 Resp: 393

Ion Ratio Lower Upper

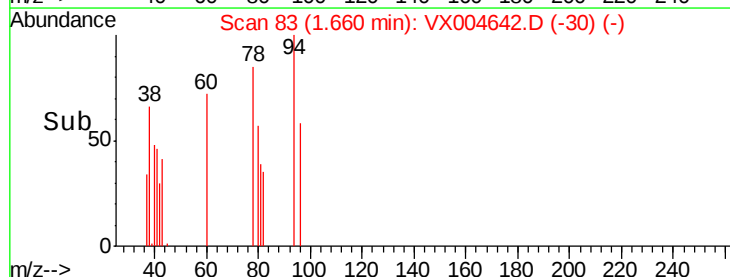
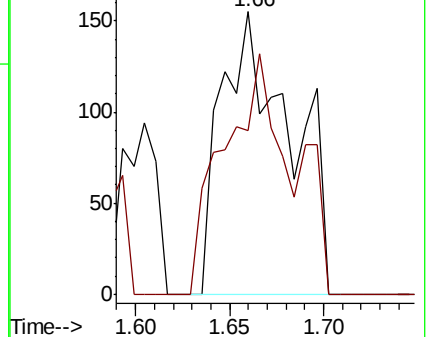
94 100

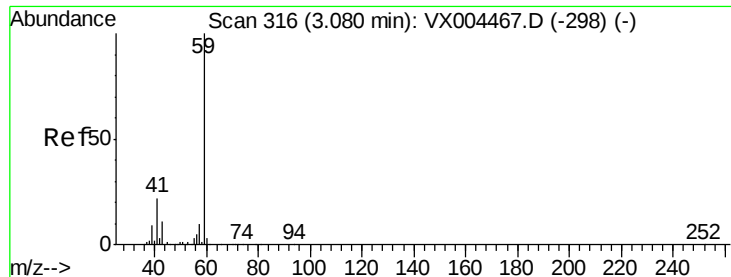
96 58.1 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



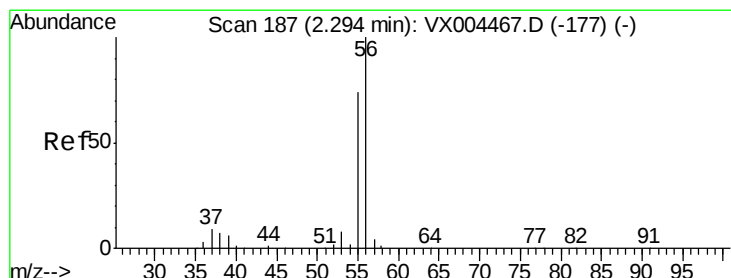
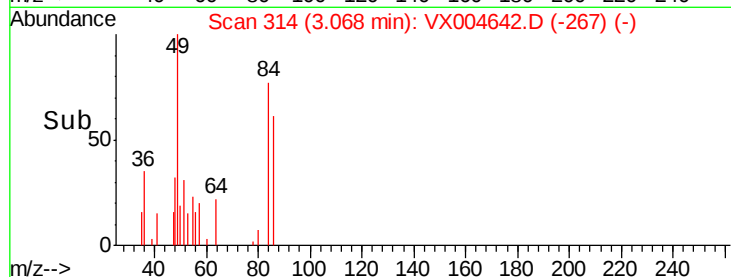
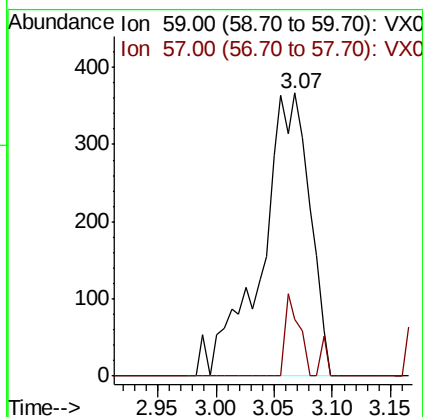
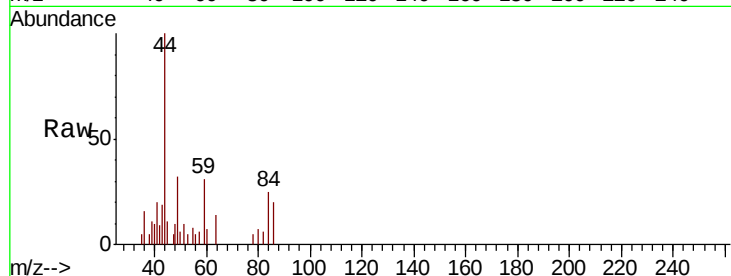


#11

Tert butyl alcohol
Concen: 1.47 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

Instrument :
MSVOA_X
ClientSampleId :

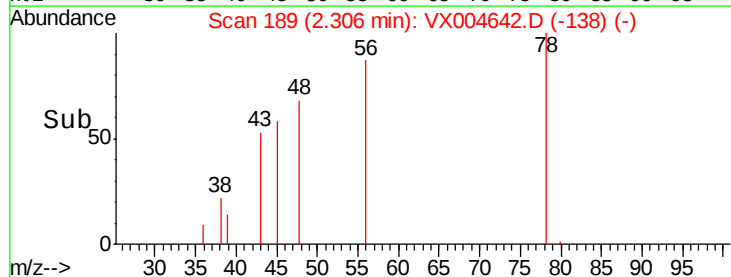
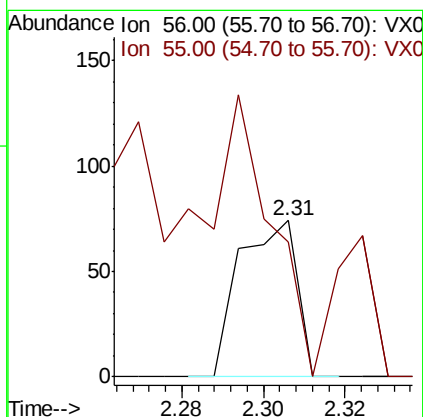
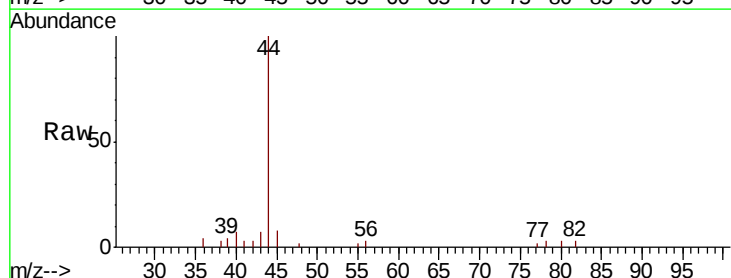
Tot Ion: 59 Resp: 1057
Ion Ratio Lower Upper
59 100
57 8.2 8.2 12.4#

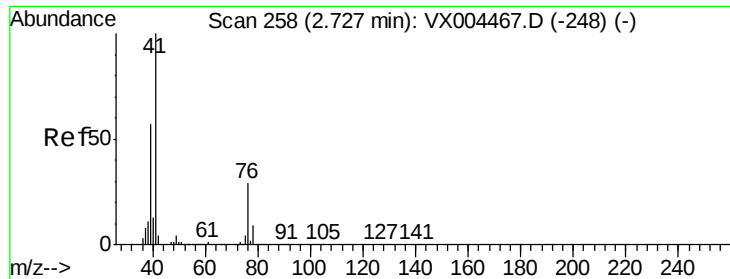


#13

Acrolein
Concen: 0.25 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 138.9 54.7 82.1#

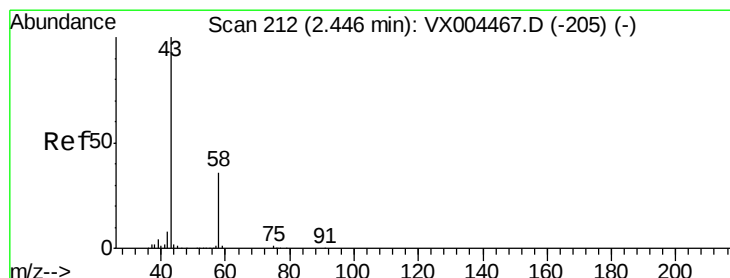
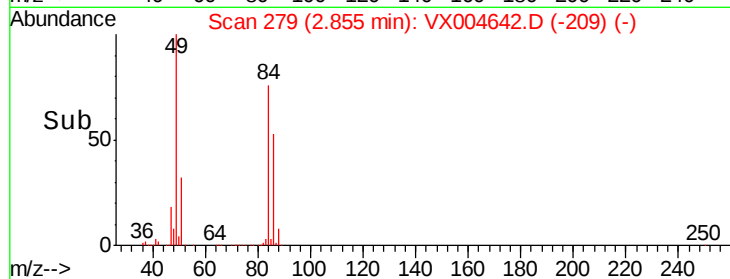
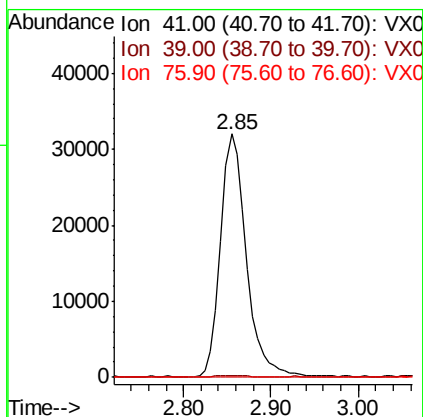
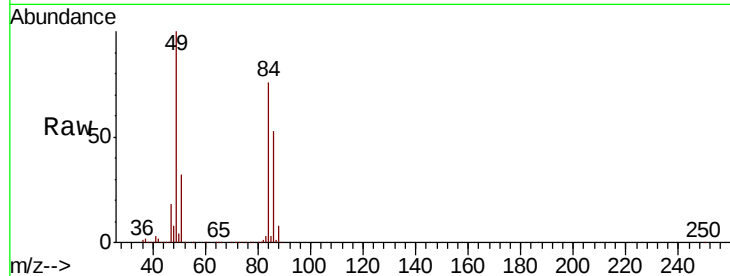




#14
Allv1 chloride
Concen: 13.05 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.13 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

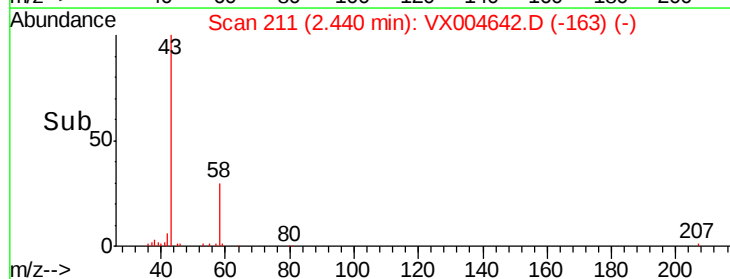
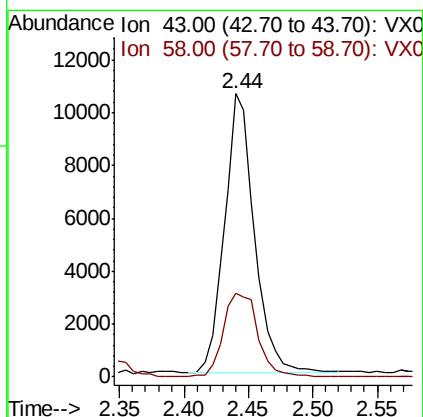
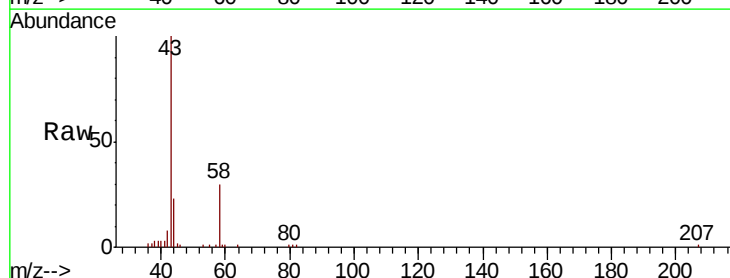
Instrument :
MSVOA_X
ClientSampleId :

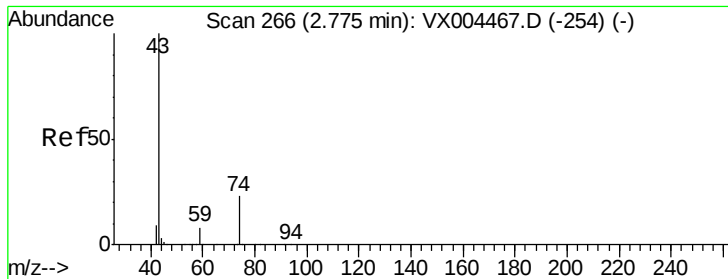
Tot Ion: 41 Resp: 65291
Ion Ratio Lower Upper
41 100
39 0.9 48.9 73.3#
76 0.0 26.7 40.1#



#16
Acetone
Concen: 11.58 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

Tgt Ion: 43 Resp: 16972
Ion Ratio Lower Upper
43 100
58 30.0 26.2 39.4

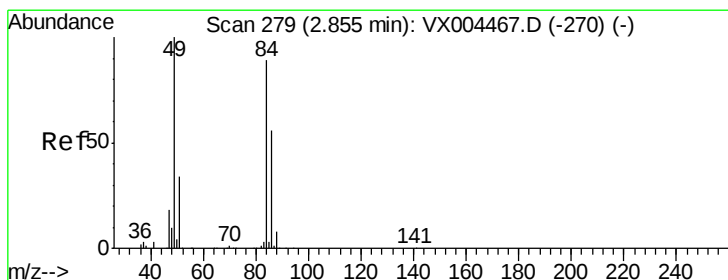
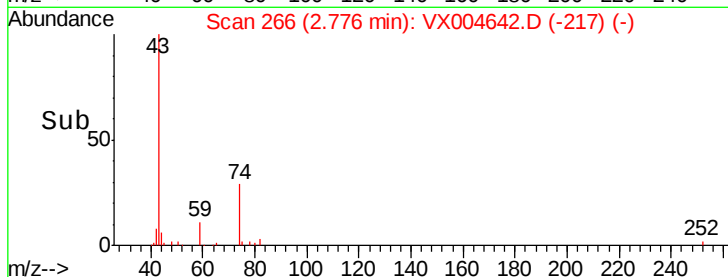
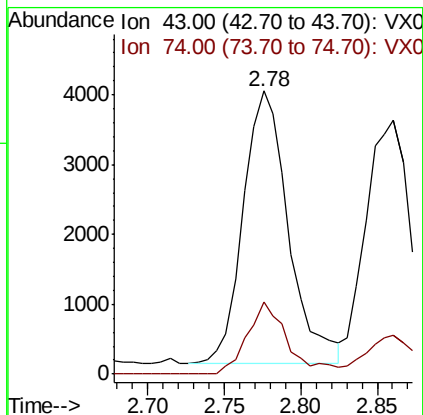
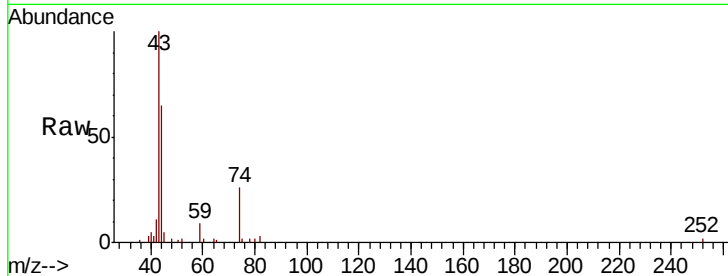




#18
Methvl Acetate
Concen: 1.94 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

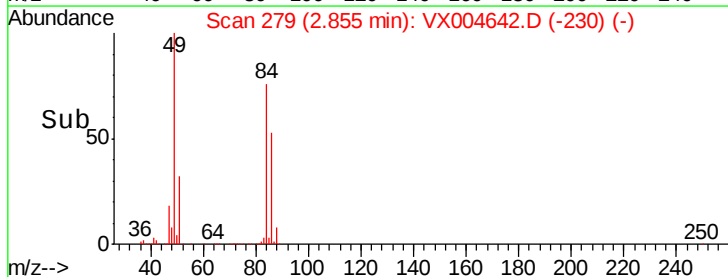
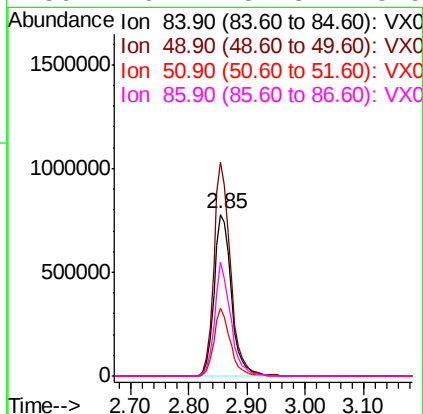
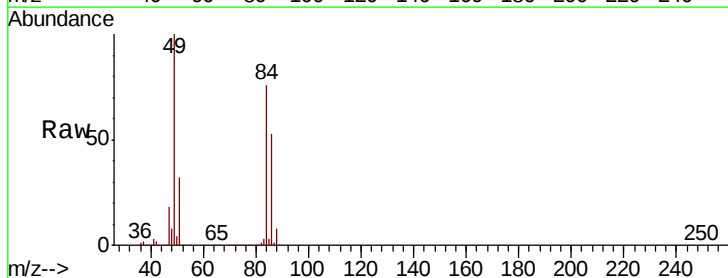
Instrument :
MSVOA_X
ClientSampleId :

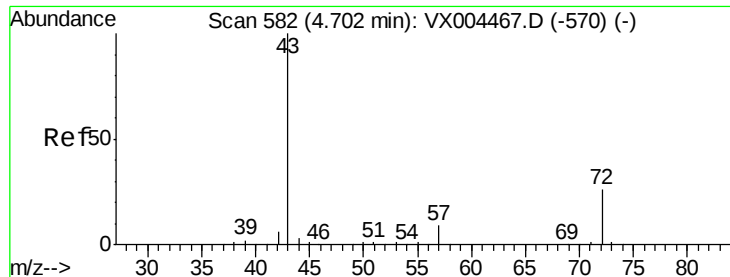
Tot Ion: 43 Resp: 7992
Ion Ratio Lower Upper
43 100
74 23.7 19.4 29.2



#20
Methylene Chloride
Concen: 526.64 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

Tgt Ion: 84 Resp: 1583874
Ion Ratio Lower Upper
84 100
49 132.1 101.2 151.8
51 41.8 29.5 44.3
86 70.1 52.3 78.5





#25

2-Butanone

Concen: 1.55 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004642.D

Acq: 18 Sep 2018 01:45

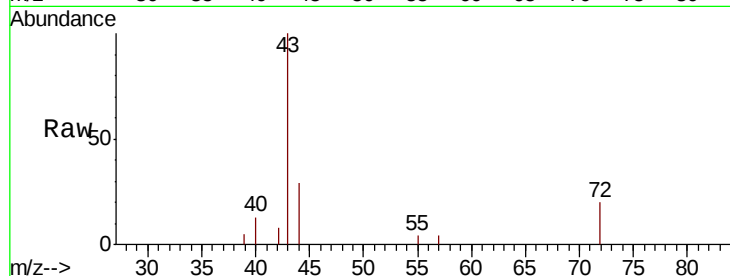
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 3624

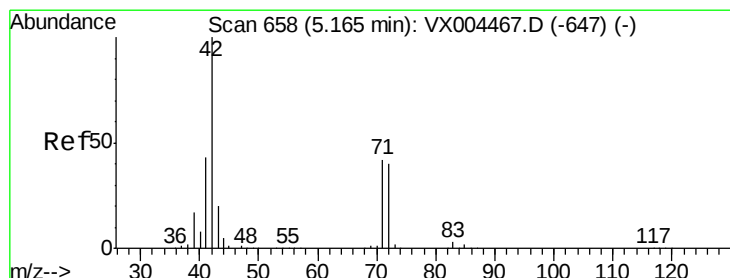
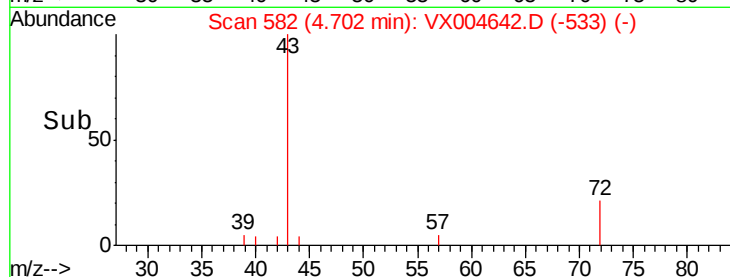
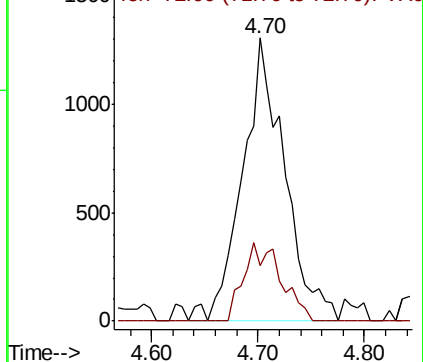
Ion Ratio Lower Upper

43 100

72 19.6 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.09 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004642.D

Acq: 18 Sep 2018 01:45

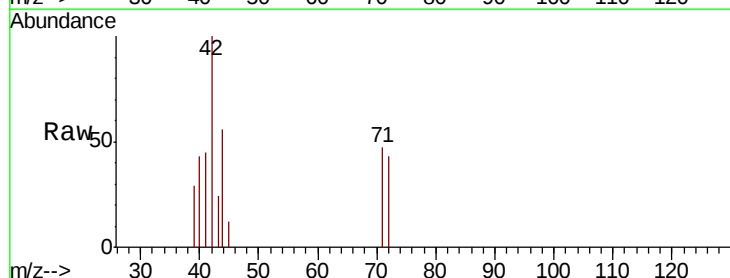
Tgt Ion: 42 Resp: 1527

Ion Ratio Lower Upper

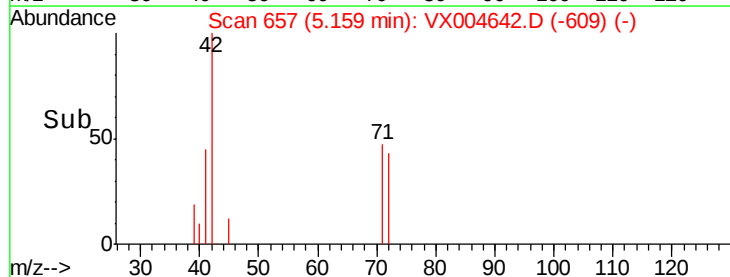
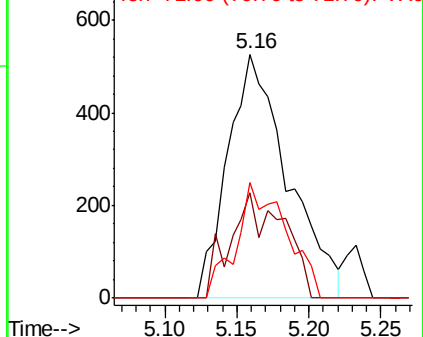
42 100

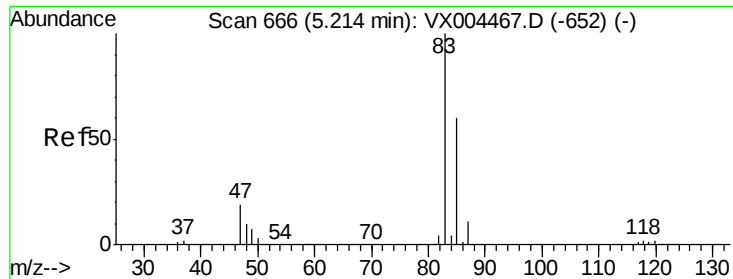
72 20.8 37.4 56.0#

71 39.3 34.5 51.7



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

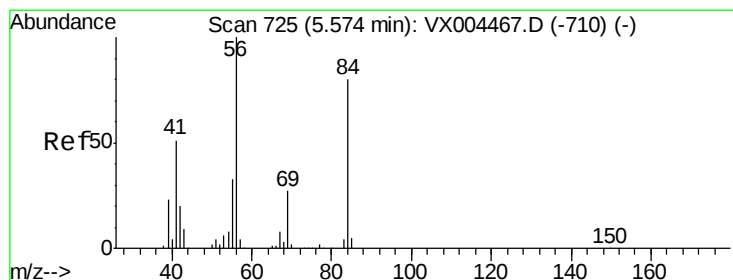
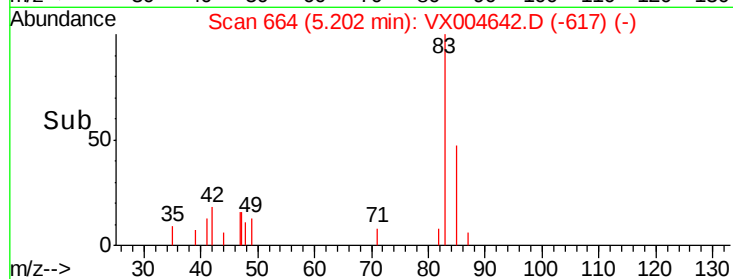
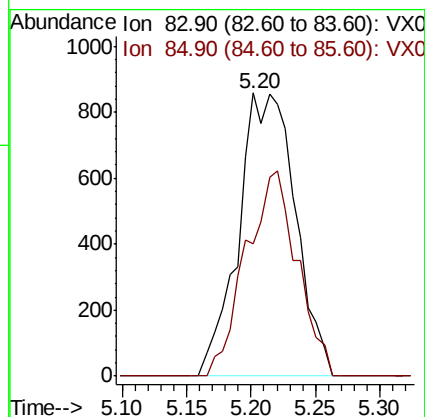
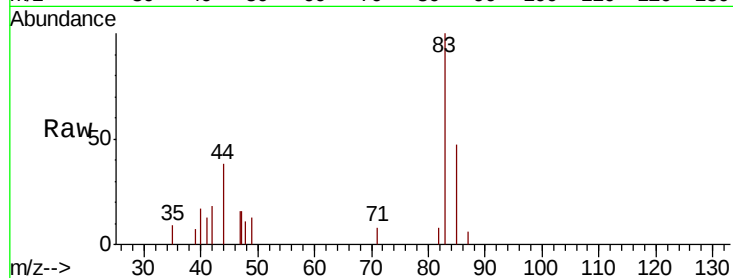




#30
Chloroform
Concen: 0.53 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

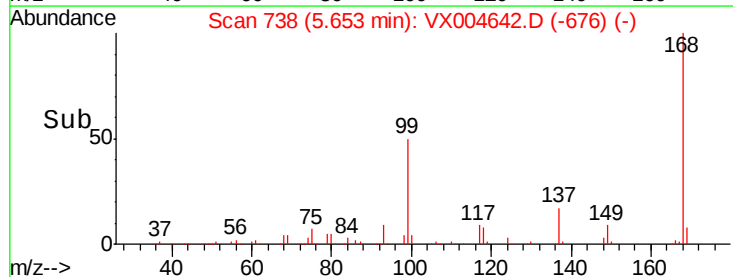
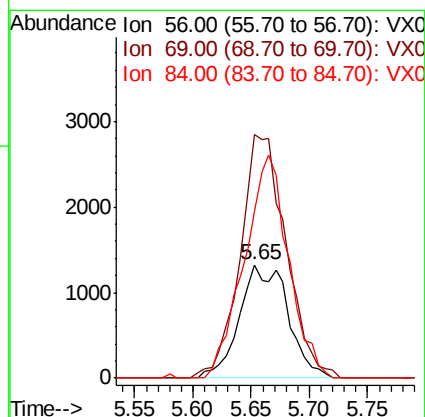
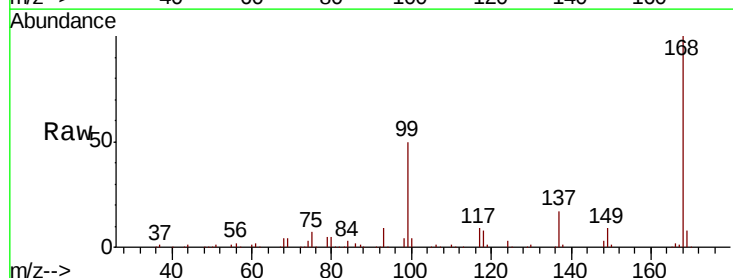
Instrument :
MSVOA_X
ClientSampled :

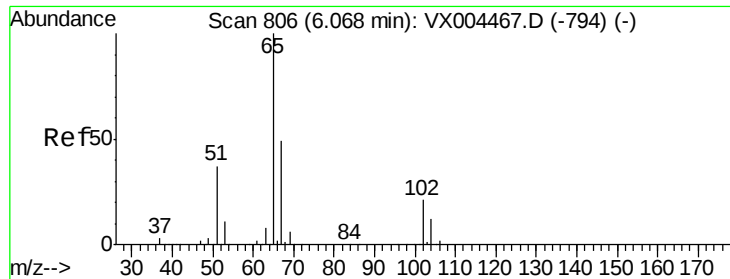
Tot Ion: 83 Resp: 2630
Ion Ratio Lower Upper
83 100
85 47.0 52.6 79.0#



#31
Cyclohexane
Concen: 0.88 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

Tgt Ion: 56 Resp: 3825
Ion Ratio Lower Upper
56 100
69 215.2 25.4 38.2#
84 147.9 71.4 107.2#





#33

1,2-Dichloroethane-d4

Concen: 51.76 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004642.D

Acq: 18 Sep 2018 01:45

Instrument :

MSVOA_X

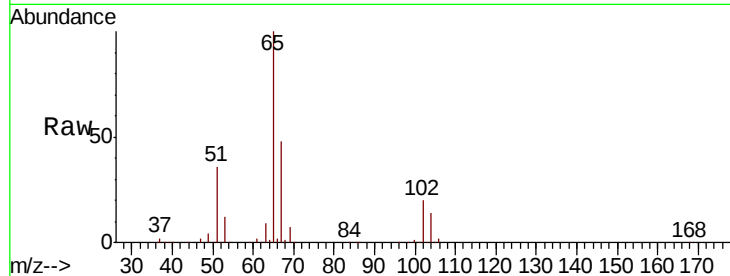
ClientSampleId :

Tot Ion: 65 Resp: 155484

Ion Ratio Lower Upper

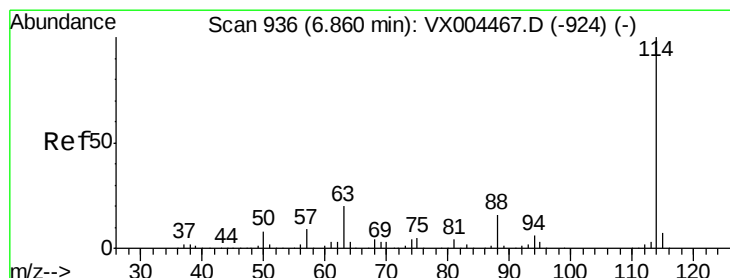
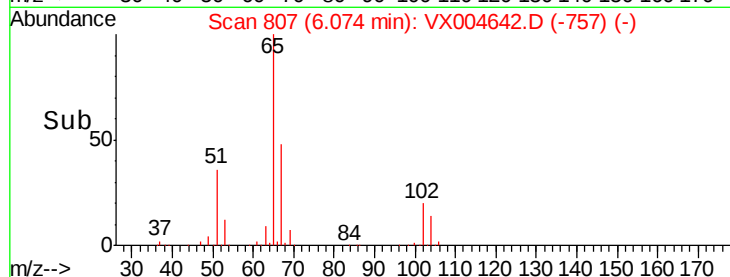
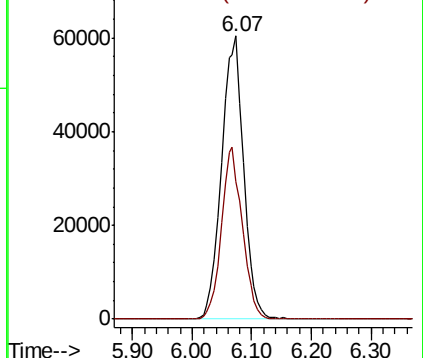
65 100

67 57.4 0.0 106.8



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# 937

Delta R.T. 0.01 min

Lab File: VX004642.D

Acq: 18 Sep 2018 01:45

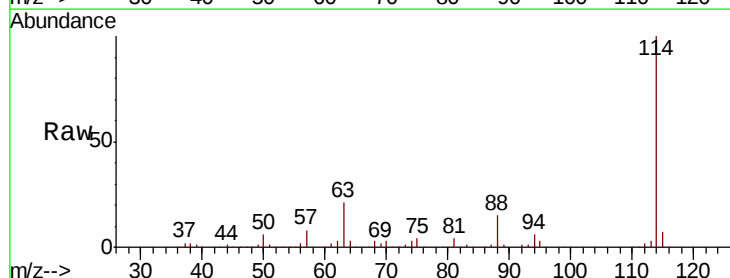
Tgt Ion: 114 Resp: 332276

Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.0

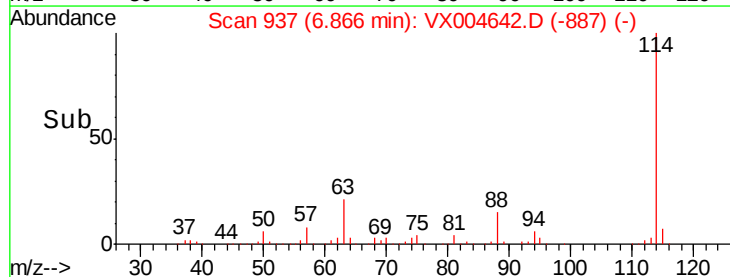
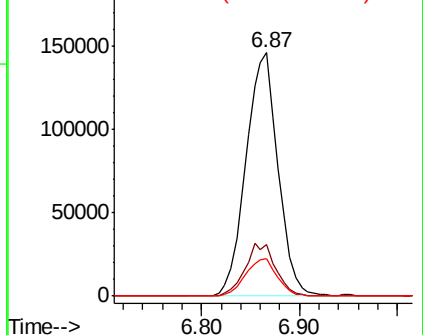
88 15.3 0.0 30.4

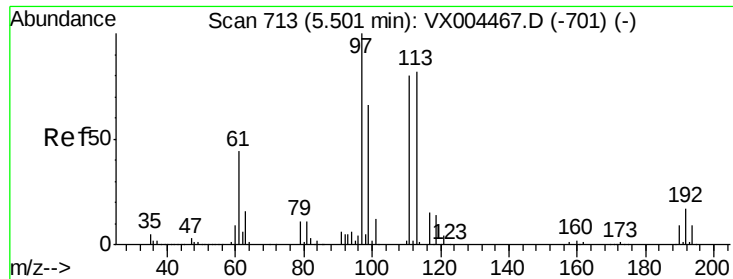


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

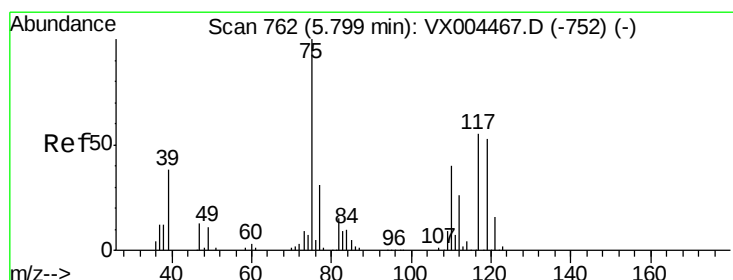
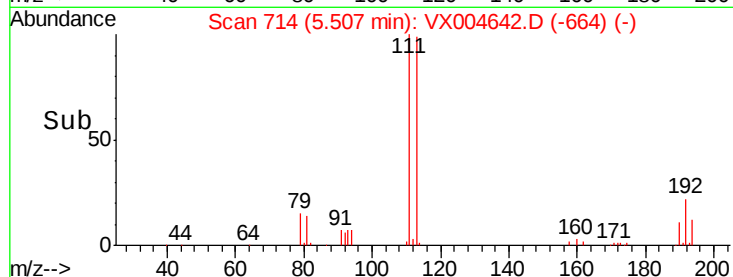
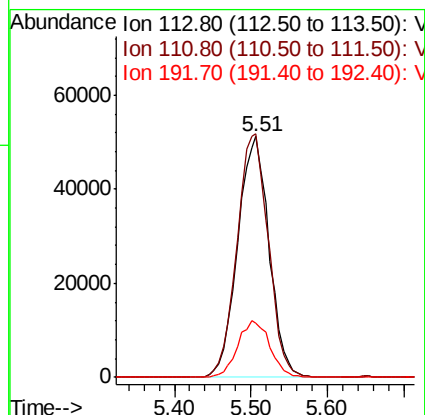
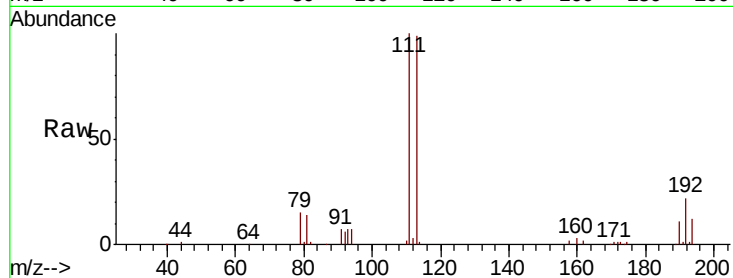




#35
 Dibromofluoromethane
 Concen: 48.01 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004642.D
 Acq: 18 Sep 2018 01:45

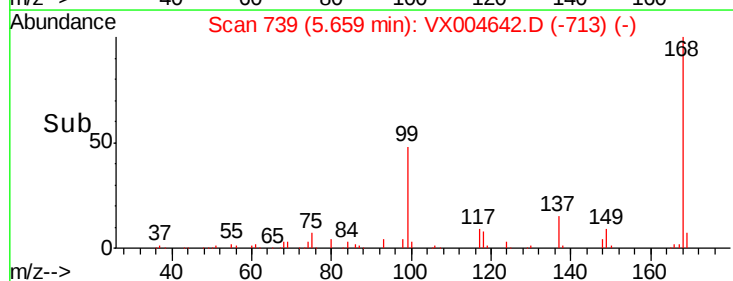
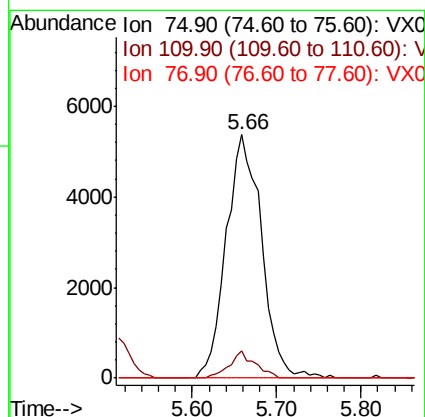
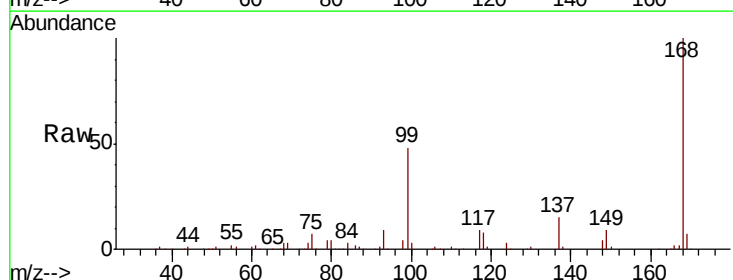
Instrument :
 MSVOA_X
 ClientSampleId :

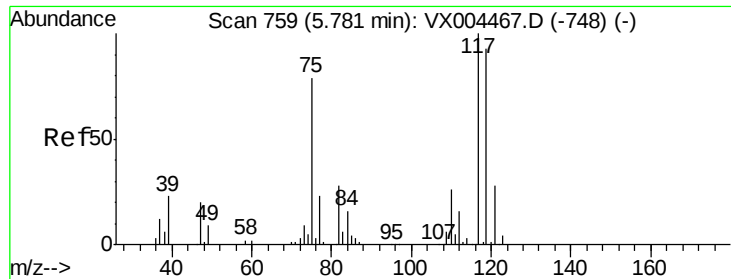
Tot Ion:113 Resp: 145976
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.4 123.6
 192 24.0 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004642.D
 Acq: 18 Sep 2018 01:45

Tgt Ion: 75 Resp: 15293
 Ion Ratio Lower Upper
 75 100
 110 8.0 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.17 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004642.D

Acq: 18 Sep 2018 01:45

Instrument :

MSVOA_X

ClientSampled :

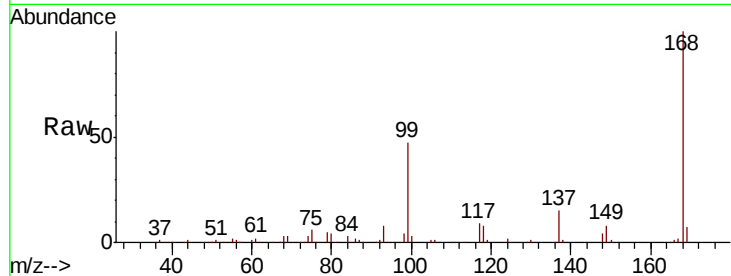
Tot Ion:117 Resp: 20386

Ion Ratio Lower Upper

117 100

119 6.0 78.8 118.2#

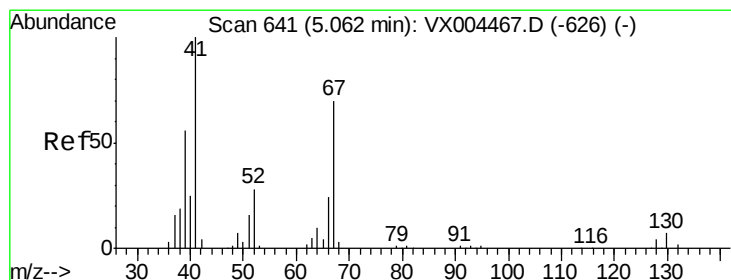
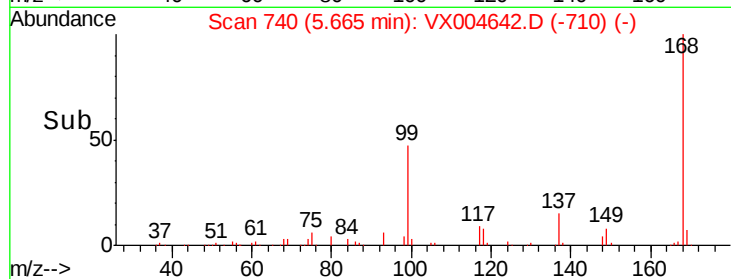
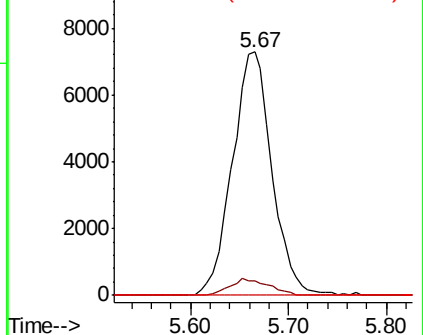
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 0.37 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.11 min

Lab File: VX004642.D

Acq: 18 Sep 2018 01:45

Tgt Ion: 41 Resp: 942

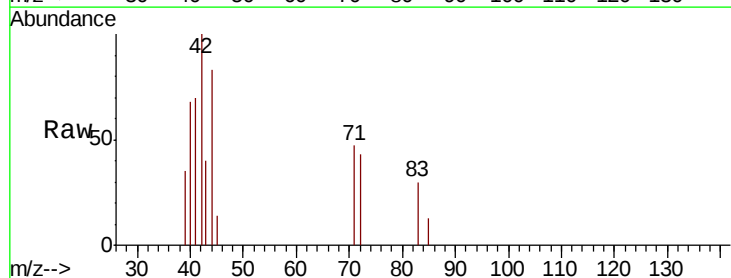
Ion Ratio Lower Upper

41 100

39 48.5 42.4 63.6

67 0.0 59.2 88.8#

52 0.0 23.0 34.4#

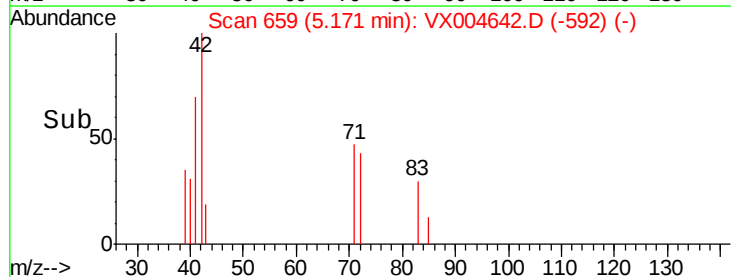
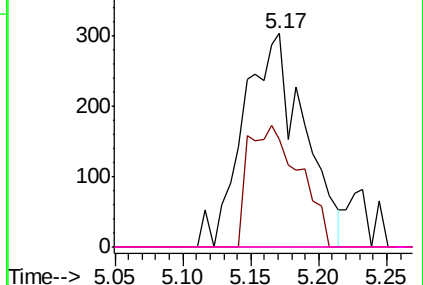


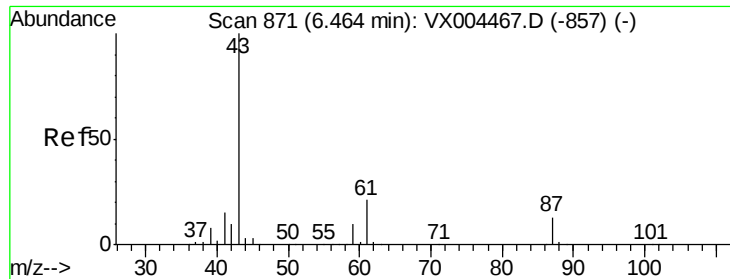
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



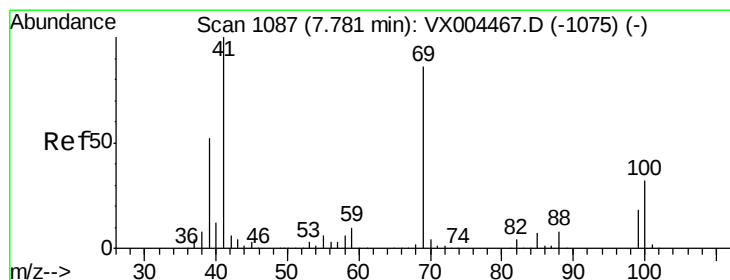
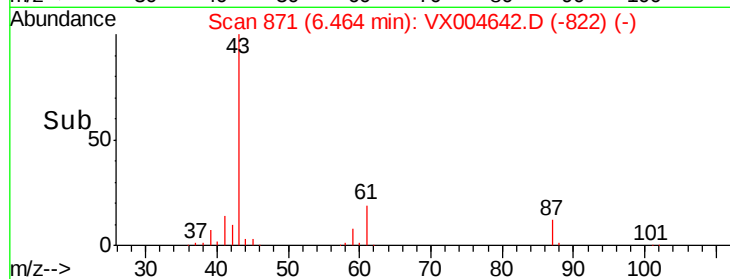
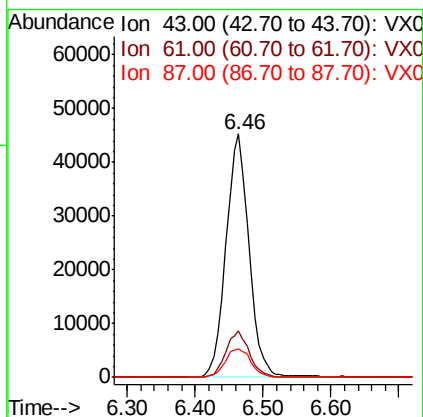
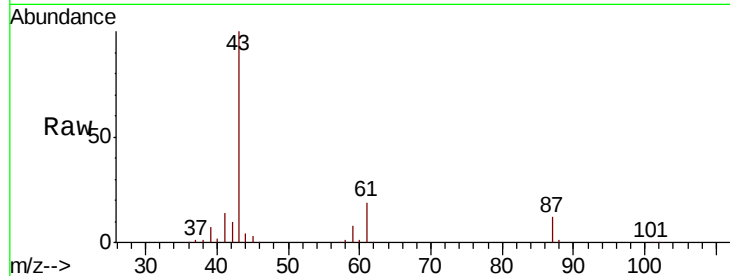


#43

Isopropyl Acetate
 Concen: 17.45 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004642.D
 Acq: 18 Sep 2018 01:45

Instrument :
 MSVOA_X
 ClientSampleId :

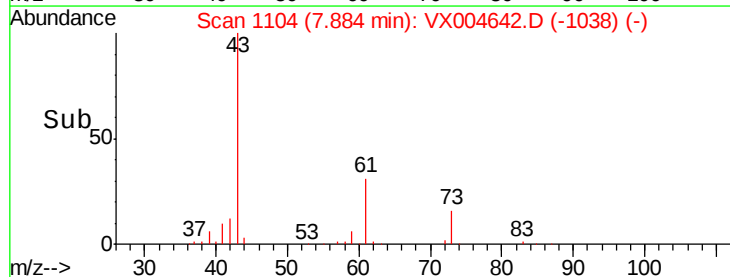
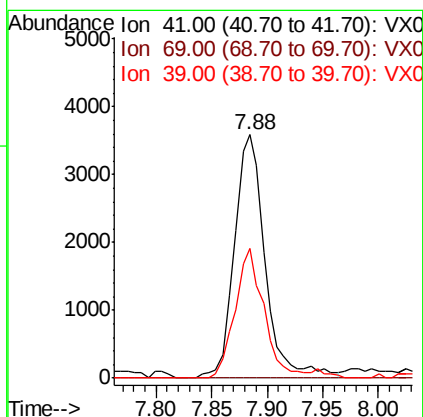
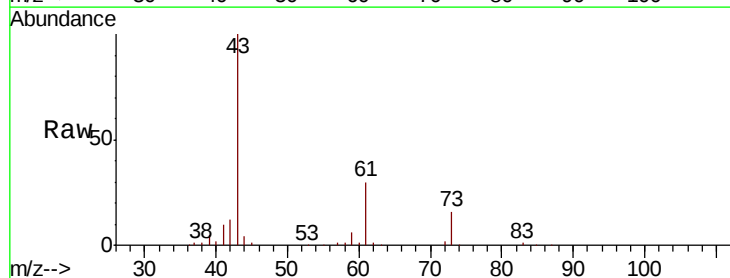
Tot Ion: 43 Resp: 106324
 Ion Ratio Lower Upper
 43 100
 61 19.4 17.0 25.4
 87 13.1 11.4 17.2

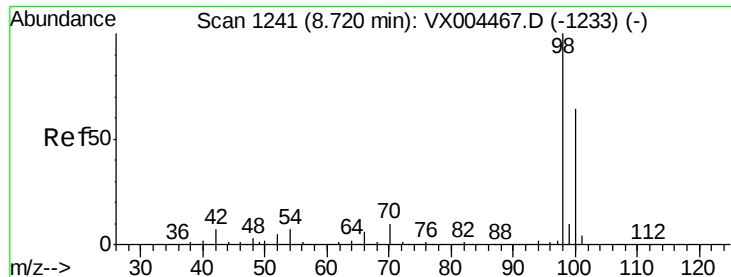


#48

Methyl methacrylate
 Concen: 2.27 ug/l
 RT: 7.88 min Scan# 1104
 Delta R.T. 0.10 min
 Lab File: VX004642.D
 Acq: 18 Sep 2018 01:45

Tgt Ion: 41 Resp: 6857
 Ion Ratio Lower Upper
 41 100
 69 0.0 70.2 105.4#
 39 50.0 42.7 64.1

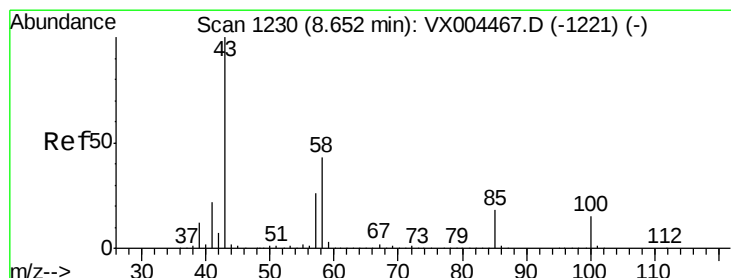
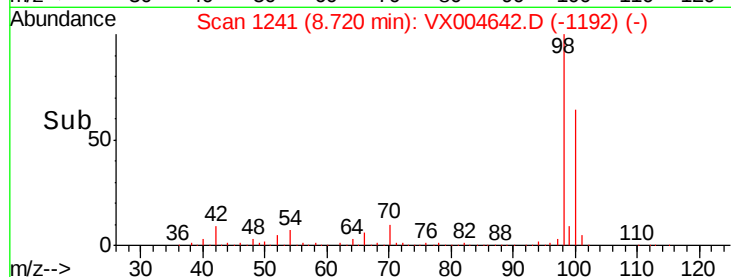
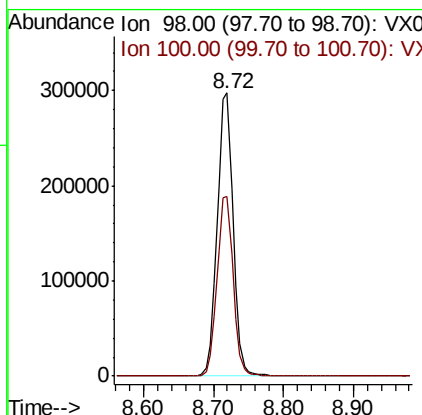
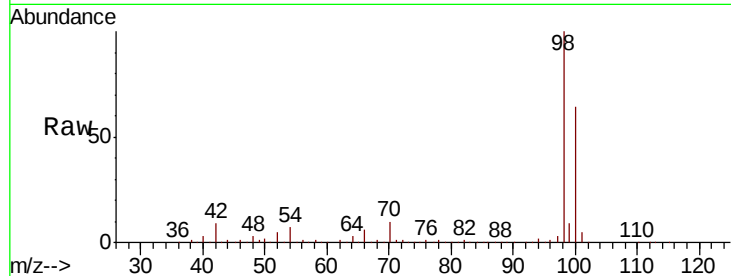




#50
Toluene-d8
Concen: 46.12 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

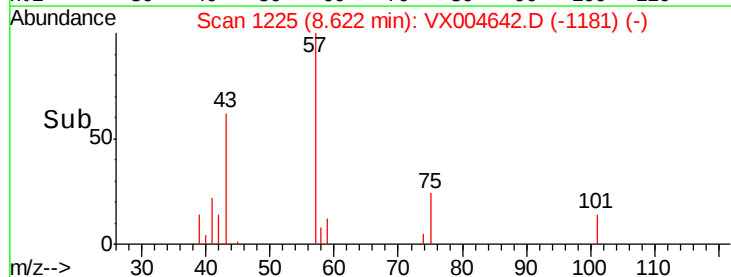
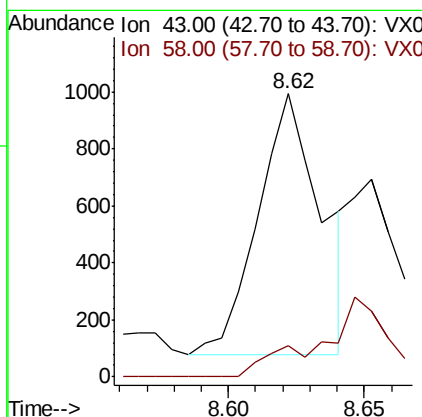
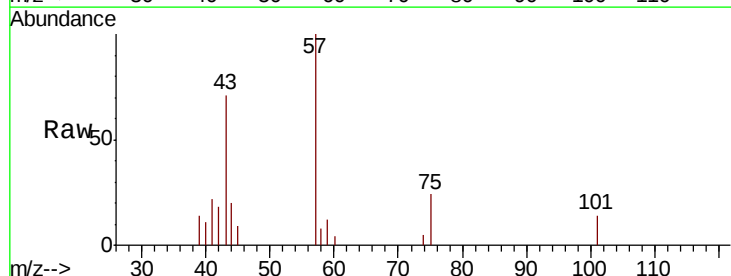
Instrument :
MSVOA_X
ClientSampleId :

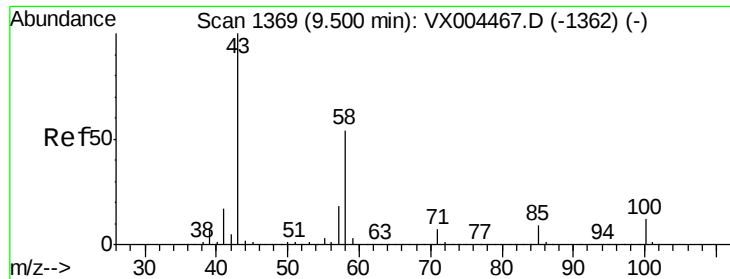
Tot Ion: 98 Resp: 470241
Ion Ratio Lower Upper
98 100
100 64.4 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.34 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.03 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

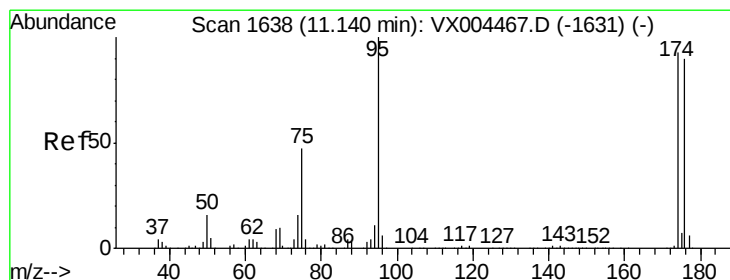
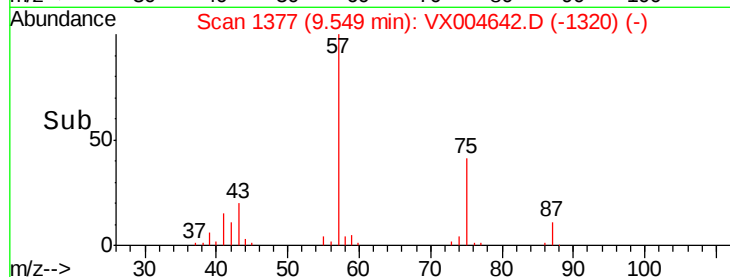
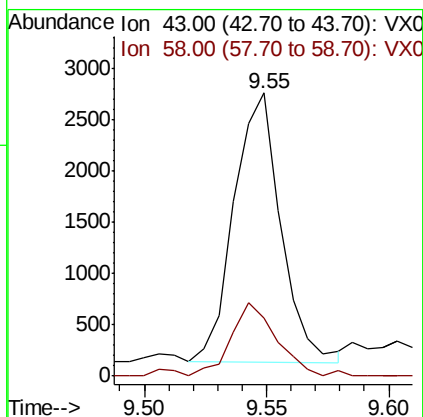
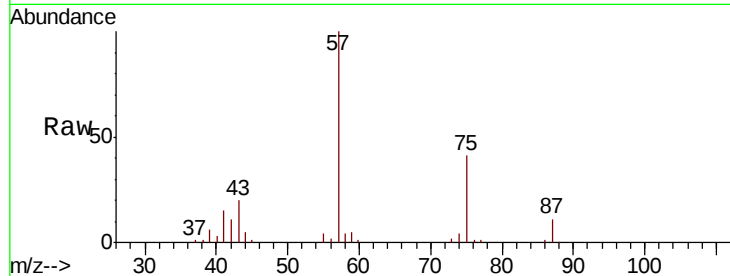




#59
2-Hexanone
Concen: 1.06 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

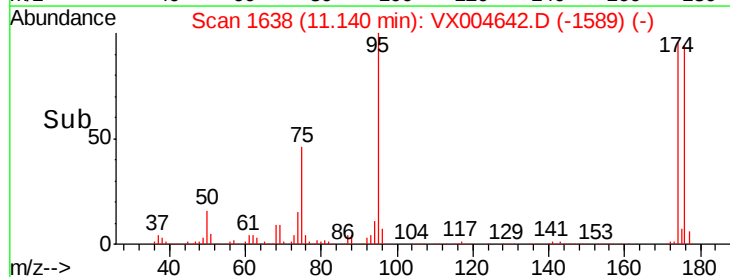
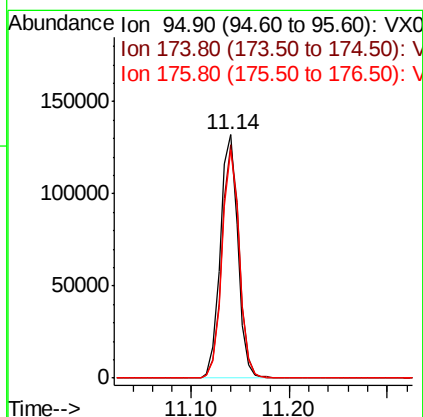
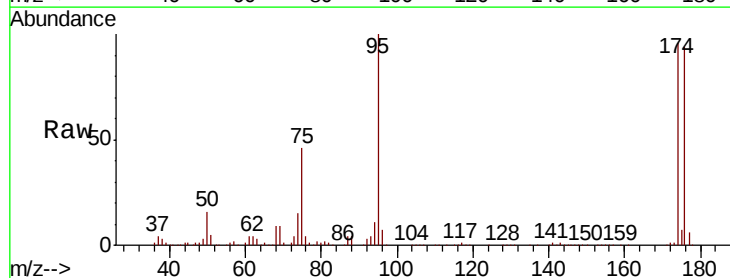
Instrument :
MSVOA_X
ClientSampled :

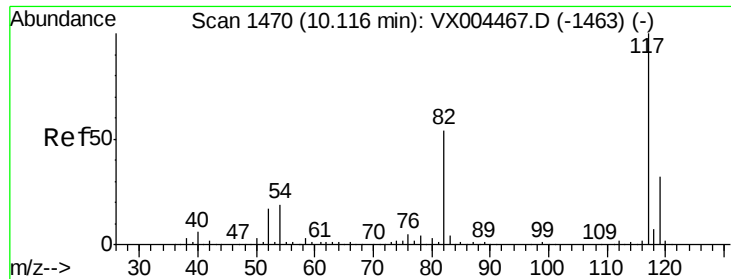
Tot Ion: 43 Resp: 3506
Ion Ratio Lower Upper
43 100
58 26.6 29.0 87.0#



#62
4-Bromofluorobenzene
Concen: 45.16 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

Tgt Ion: 95 Resp: 164371
Ion Ratio Lower Upper
95 100
174 95.2 0.0 185.2
176 92.2 0.0 178.6

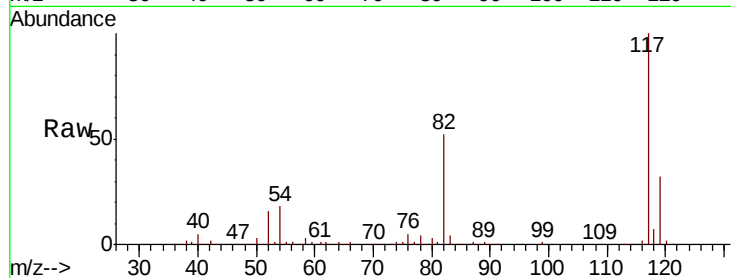




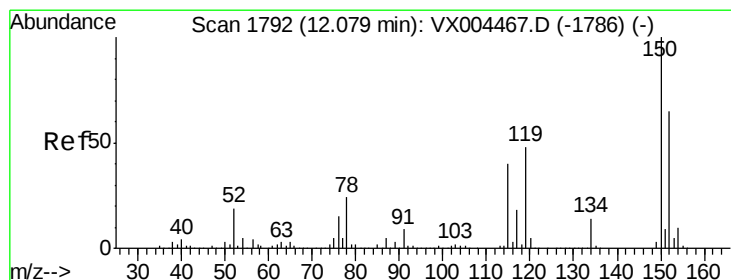
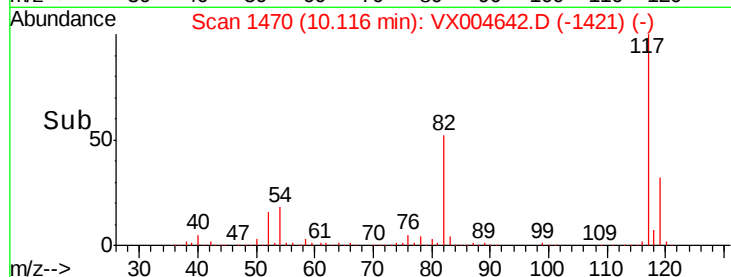
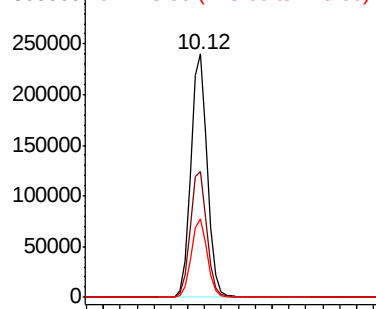
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 324244
Ion Ratio Lower Upper
117 100
82 51.8 47.8 71.6
119 32.5 29.3 43.9

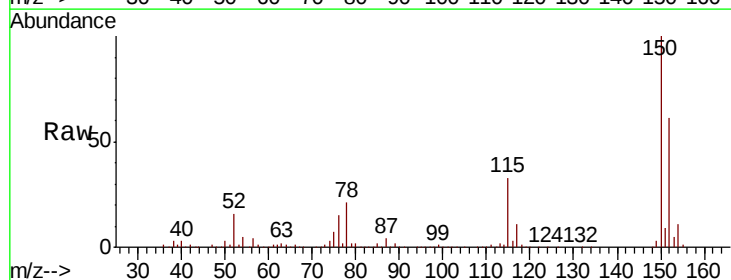


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

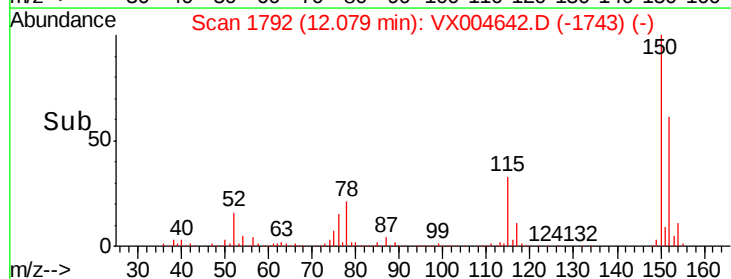
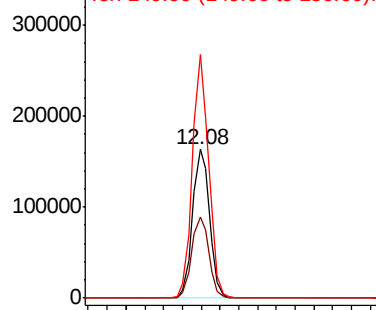


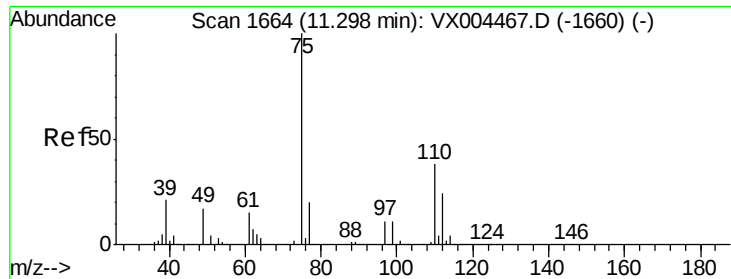
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

Tgt Ion:152 Resp: 204274
Ion Ratio Lower Upper
152 100
115 55.3 39.0 117.0
150 157.0 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





#76

1,2,3-Trichloropropane

Concen: 18.81 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004642.D

Acq: 18 Sep 2018 01:45

Instrument :

MSVOA_X

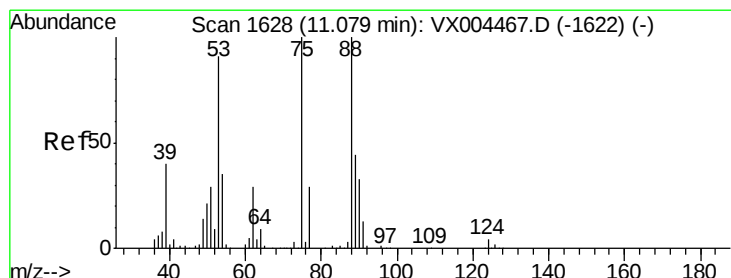
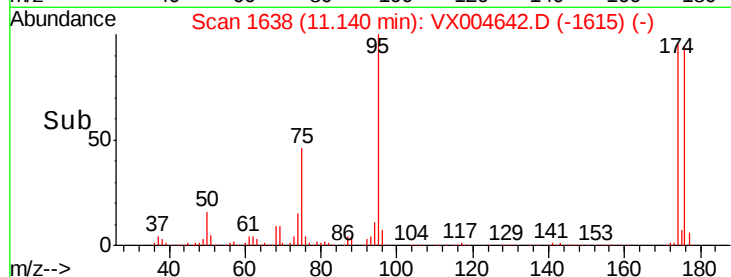
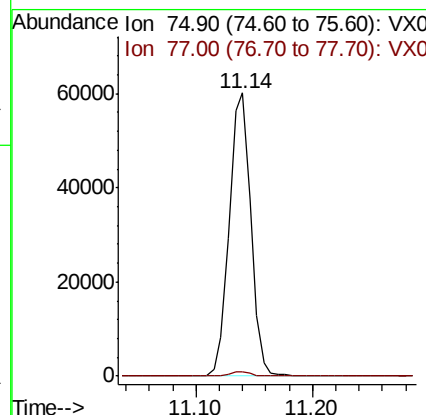
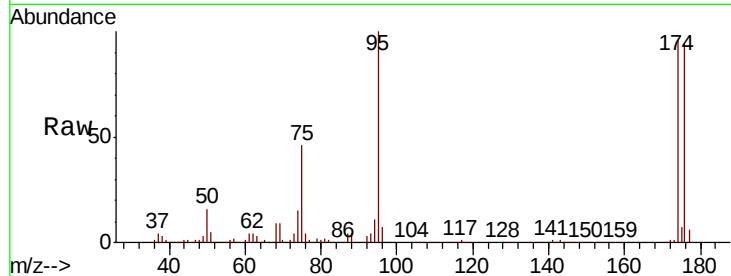
ClientSampleId :

Tot Ion: 75 Resp: 77308

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.96 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004642.D

Acq: 18 Sep 2018 01:45

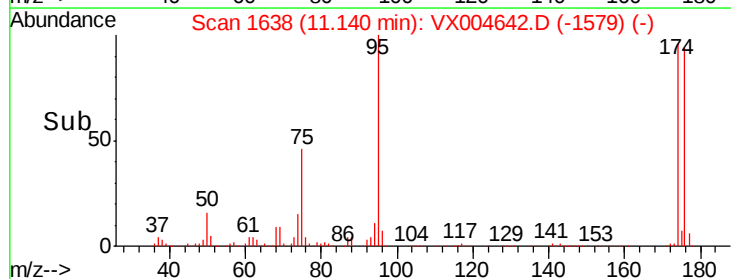
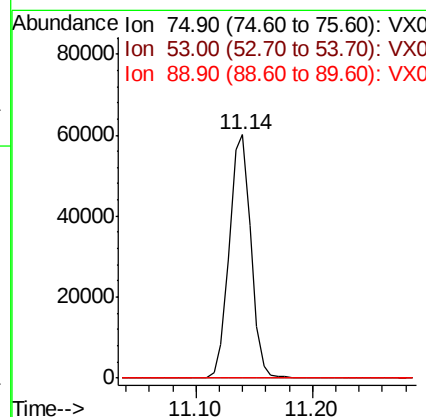
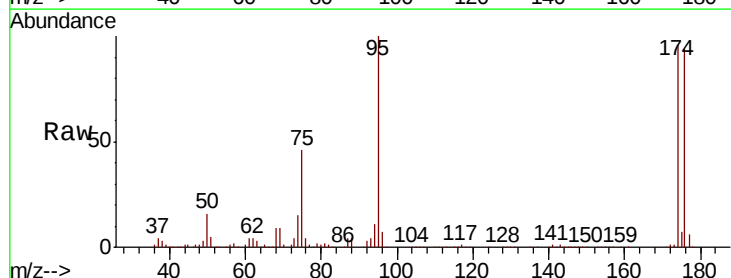
Tgt Ion: 75 Resp: 77308

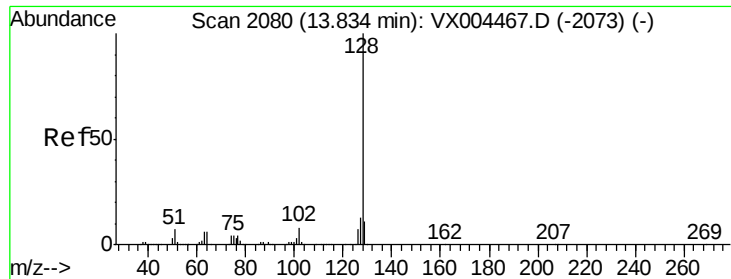
Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 1.58 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004642.D
Acq: 18 Sep 2018 01:45

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.2
129	11.3	8.6	12.8

