

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122619\
 Data File : VX014295.D
 Acq On : 27 Dec 2019 02:25
 Operator : JC/SP
 Sample : K6413-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 K005-AB-WC-1

Quant Time: Dec 27 06:10:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	529139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	825325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	748202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	330710	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	293403	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
35) Dibromofluoromethane	5.49	113	242554	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	8.71	98	988273	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	11.13	95	333905	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

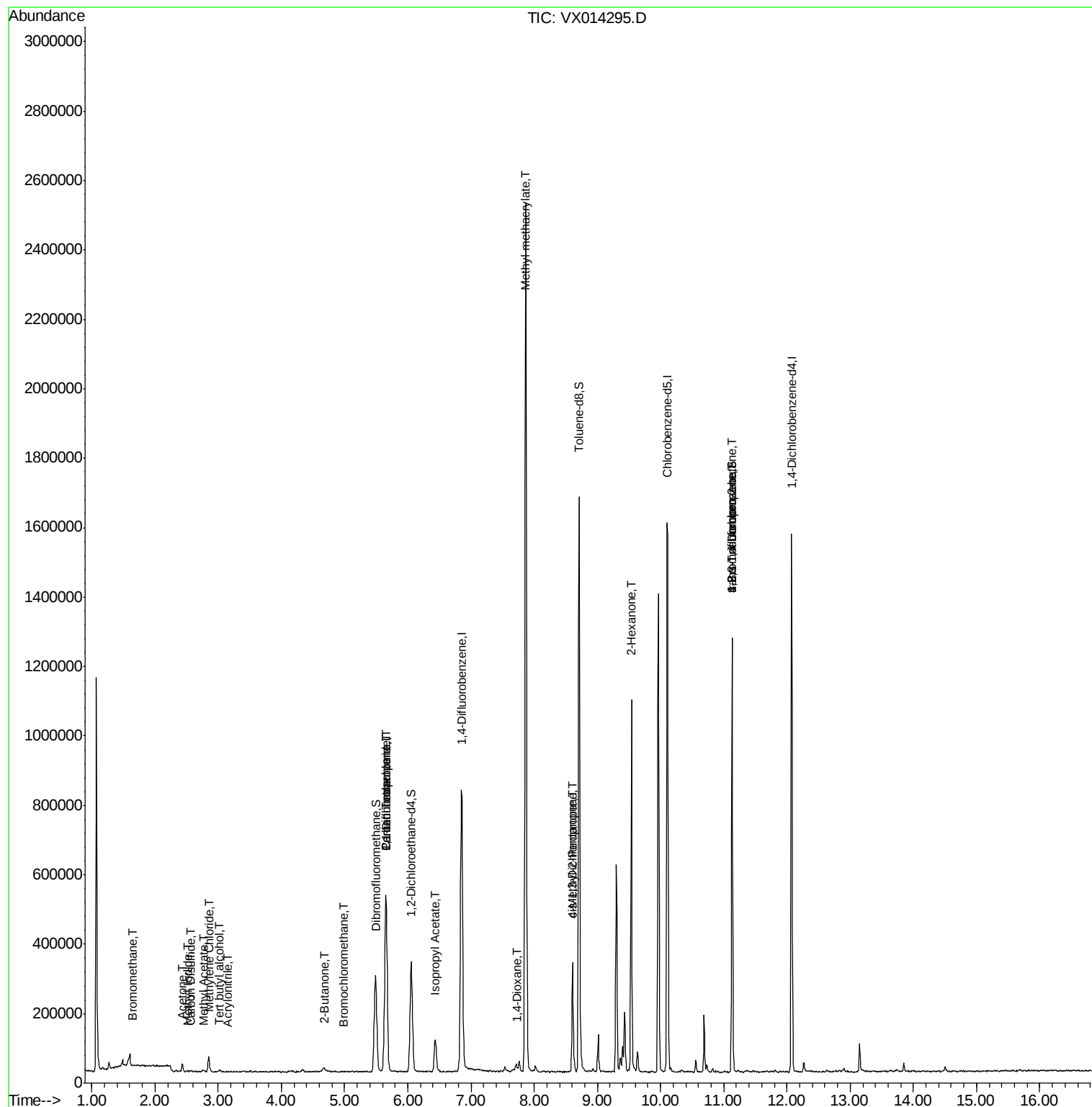
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1057	0.222	ug/l #	61
10) Methyl Iodide	2.51	142	949	2.757	ug/l #	95
11) Tert butyl alcohol	3.03	59	3939	3.040	ug/l #	87
15) Acrylonitrile	3.15	53	755	0.250	ug/l	94
16) Acetone	2.43	43	25806	6.628	ug/l	100
17) Carbon Disulfide	2.56	76	1560	0.859	ug/l #	75
18) Methyl Acetate	2.76	43	5866	0.760	ug/l	98
20) Methylene Chloride	2.85	84	20093	3.277	ug/l	94
25) 2-Butanone	4.67	43	16295	3.395	ug/l	91
28) Bromochloromethane	4.99	49	422	0.562	ug/l #	69
36) 1,1-Dichloropropene	5.65	75	36387	4.805	ug/l #	51
38) Carbon Tetrachloride	5.65	117	46186	6.695	ug/l #	16
43) Isopropyl Acetate	6.43	43	124892	9.024	ug/l	99
48) Methyl methacrylate	7.87	41	210657	31.085	ug/l #	43
49) 1,4-Dioxane	7.73	88	351	2.545	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	114443	13.167	ug/l #	51
54) cis-1,3-Dichloropropene	8.61	75	53580	5.898	ug/l #	58
59) 2-Hexanone	9.54	43	126100	18.023	ug/l #	49
76) 1,2,3-Trichloropropane	11.13	75	161465	22.489	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	161465	63.476	ug/l #	12

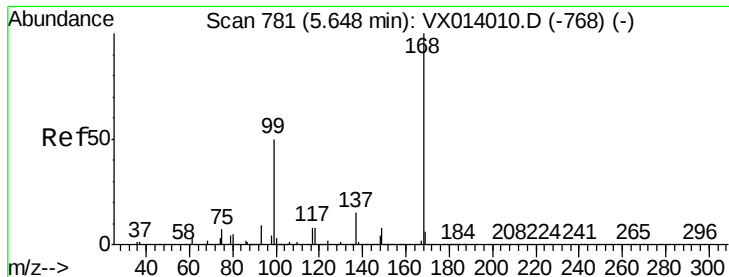
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

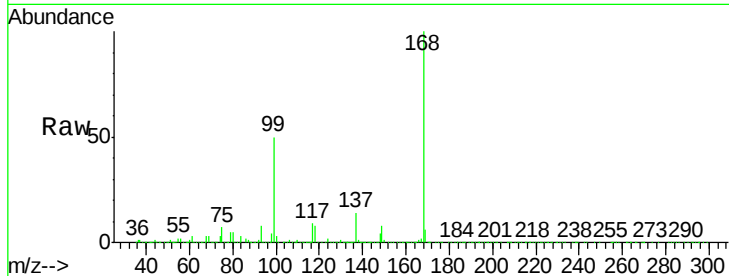
K005-AB-WC-1

Tgt Ion:168 Resp: 529139

Ion Ratio Lower Upper

168 100

99 49.8 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

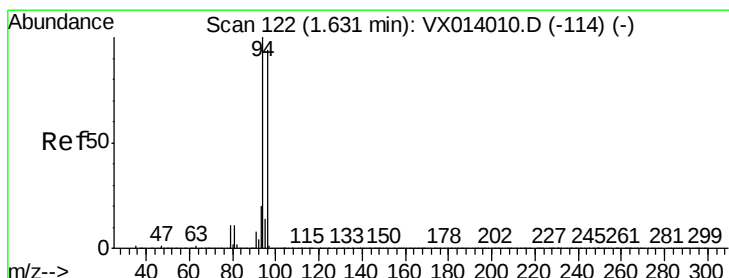
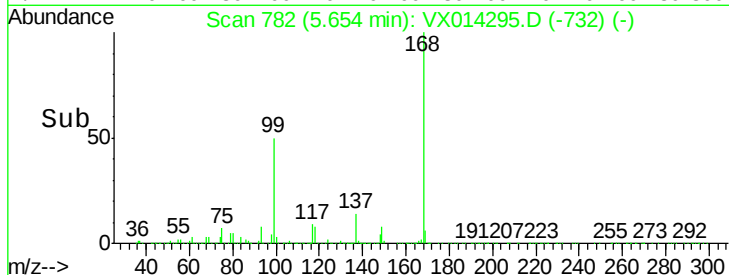
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.222 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014295.D

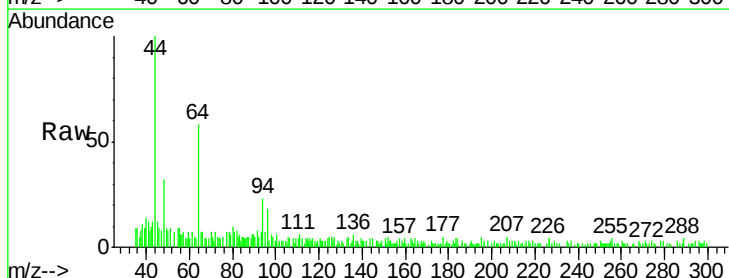
Acq: 27 Dec 2019 02:25

Tgt Ion: 94 Resp: 1057

Ion Ratio Lower Upper

94 100

96 56.2 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

1000

800

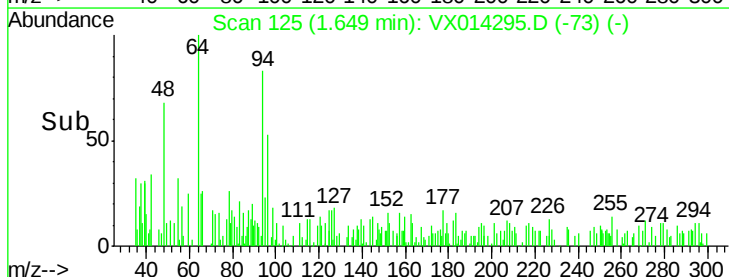
600

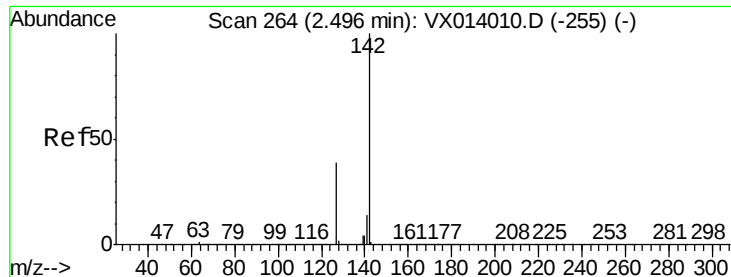
400

200

0

Time-->





#10

Methyl Iodide

Concen: 2.757 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

Instrument :

MSVOA_X

ClientSampled :

K005-AB-WC-1

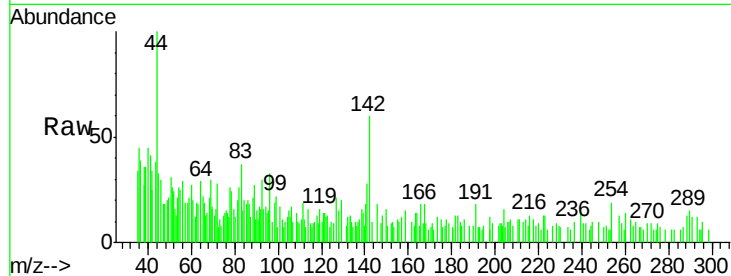
Tgt Ion: 142 Resp: 949

Ion Ratio Lower Upper

142 100

127 37.4 31.6 47.4

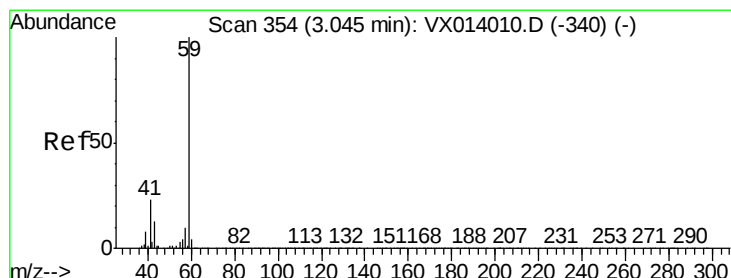
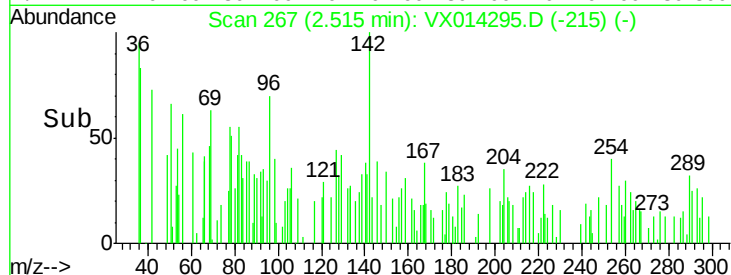
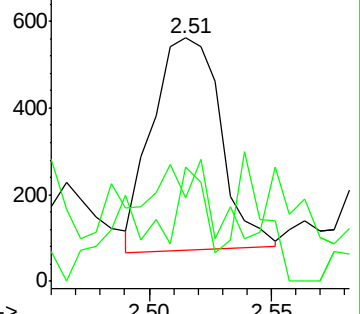
141 18.1 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 3.040 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.02 min

Lab File: VX014295.D

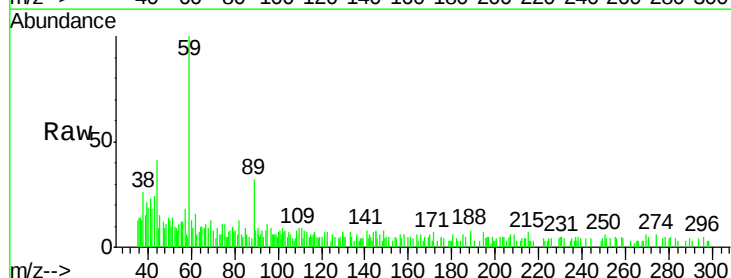
Acq: 27 Dec 2019 02:25

Tgt Ion: 59 Resp: 3939

Ion Ratio Lower Upper

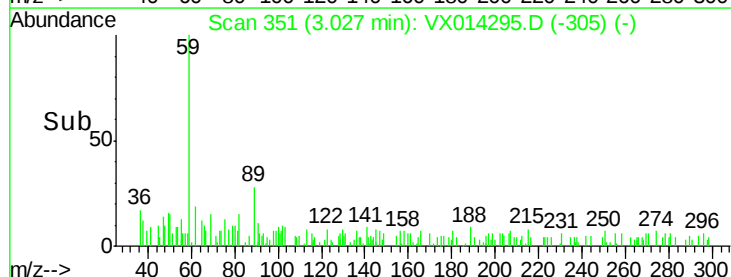
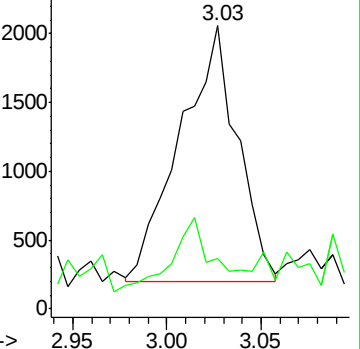
59 100

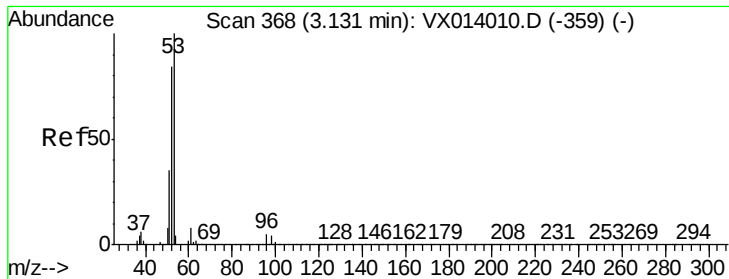
57 15.2 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

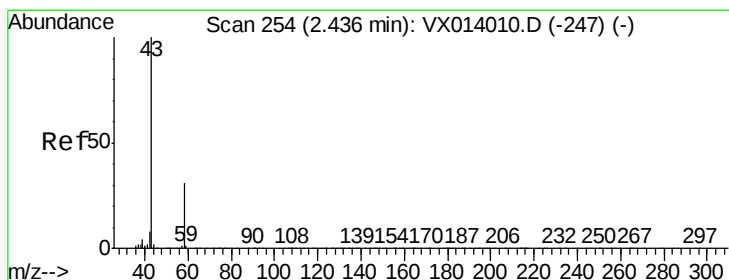
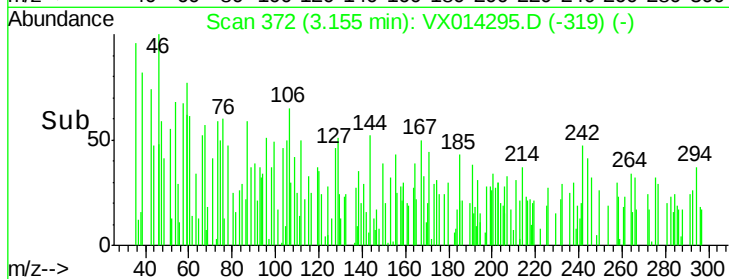
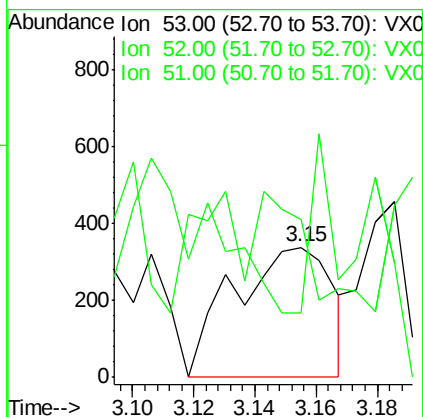
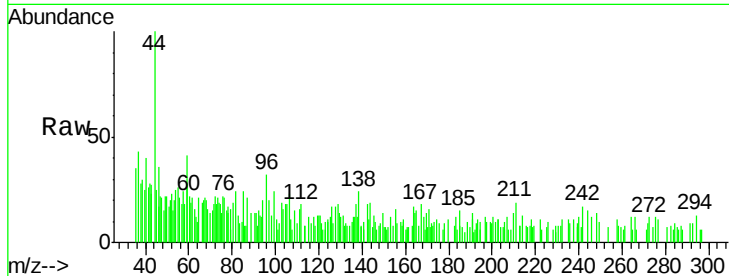




#15
Acrylonitrile
Concen: 0.250 ug/l
RT: 3.15 min Scan# 372
Delta R.T. 0.02 min
Lab File: VX014295.D
Acq: 27 Dec 2019 02:25

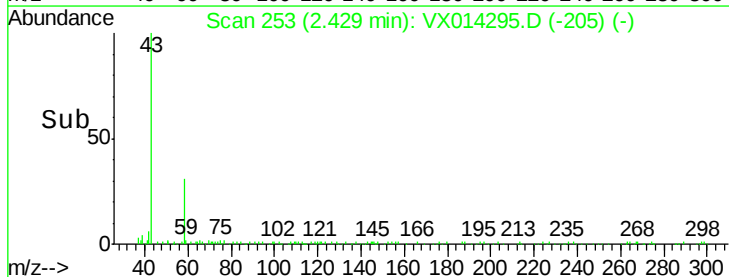
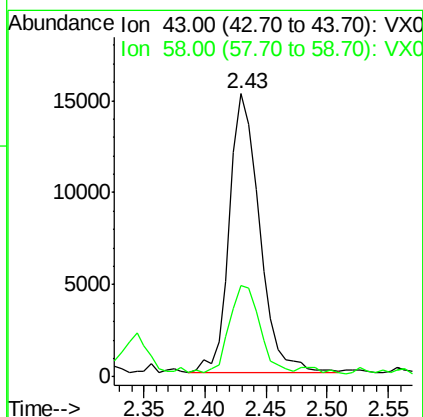
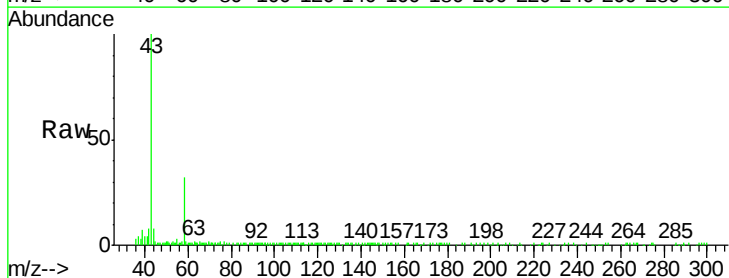
Instrument :
MSVOA_X
ClientSampled :
K005-AB-WC-1

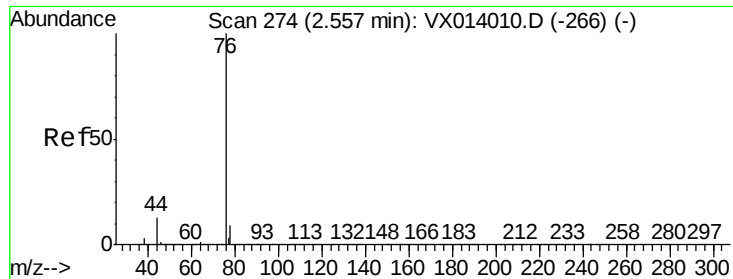
Tgt Ion: 53 Resp: 755
Ion Ratio Lower Upper
53 100
52 76.3 66.5 99.7
51 33.6 28.1 42.1



#16
Acetone
Concen: 6.628 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014295.D
Acq: 27 Dec 2019 02:25

Tgt Ion: 43 Resp: 25806
Ion Ratio Lower Upper
43 100
58 31.4 24.9 37.3





#17

Carbon Disulfide

Concen: 0.859 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

Instrument :

MSVOA_X

ClientSampled :

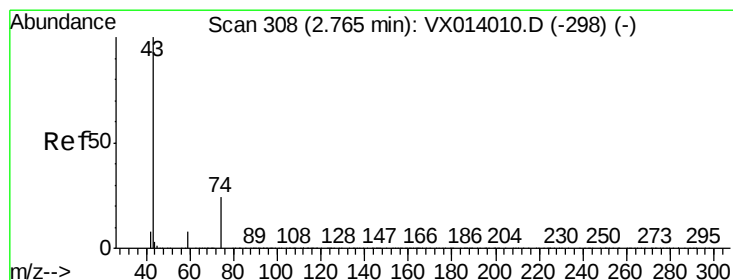
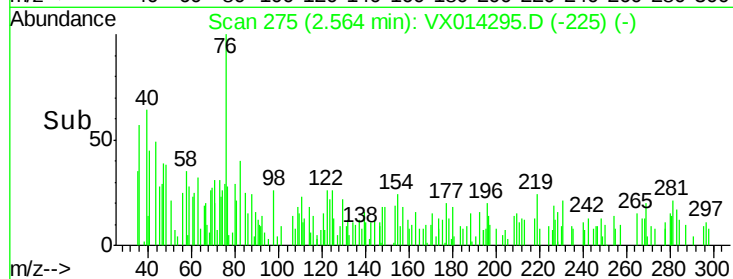
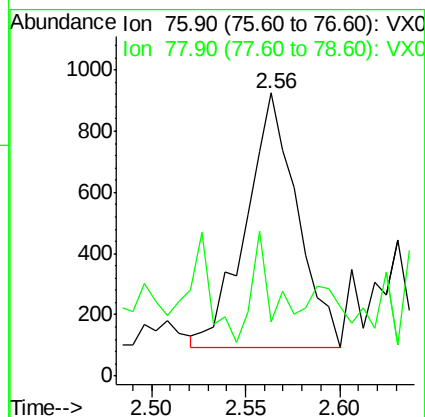
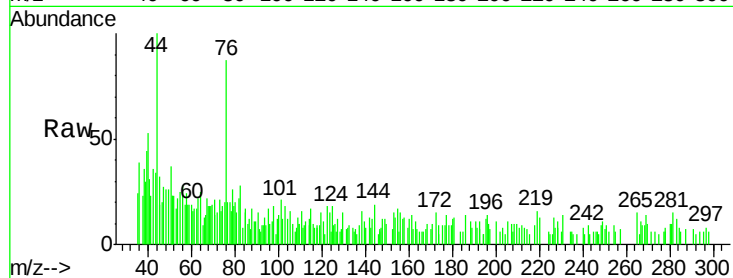
K005-AB-WC-1

Tgt Ion: 76 Resp: 1560

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.760 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX014295.D

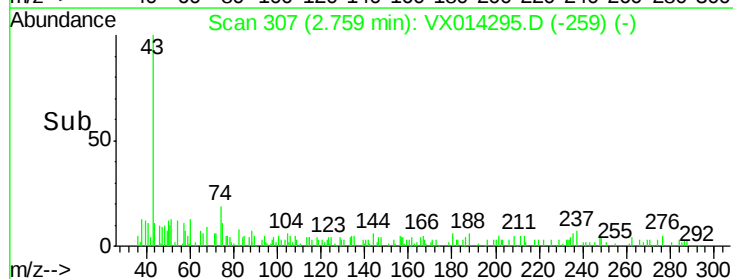
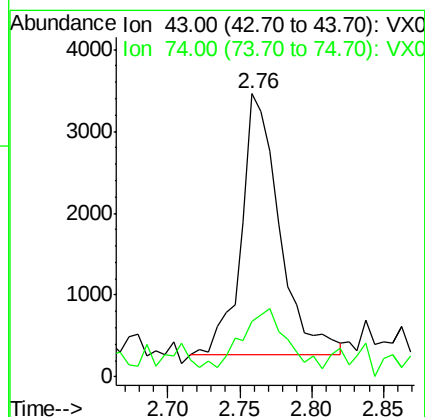
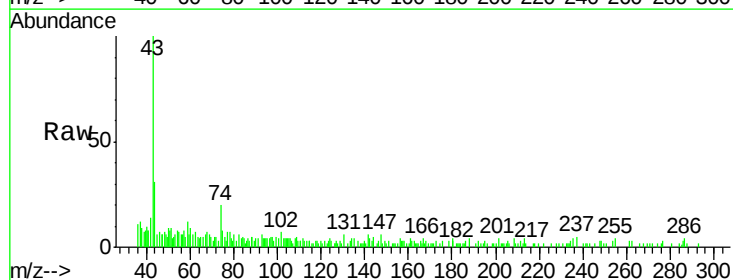
Acq: 27 Dec 2019 02:25

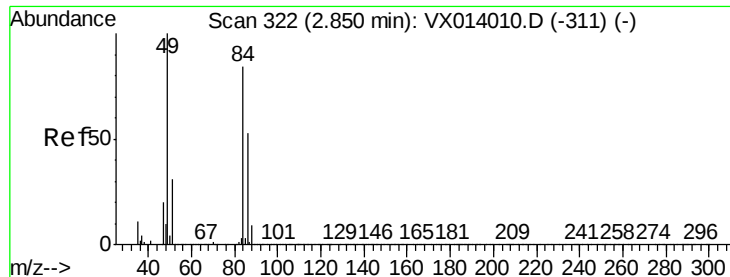
Tgt Ion: 43 Resp: 5866

Ion Ratio Lower Upper

43 100

74 25.2 19.5 29.3

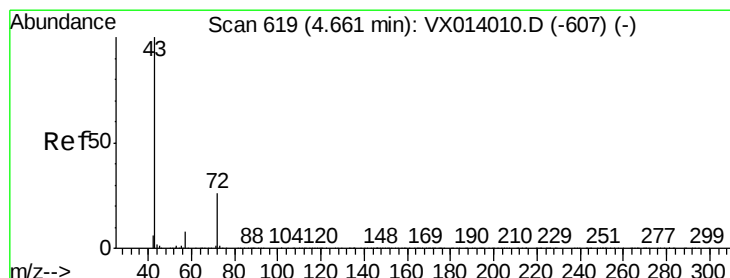
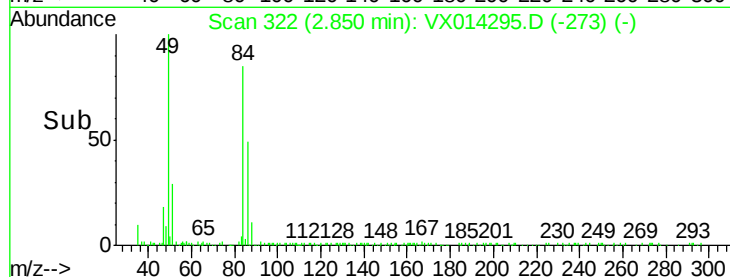
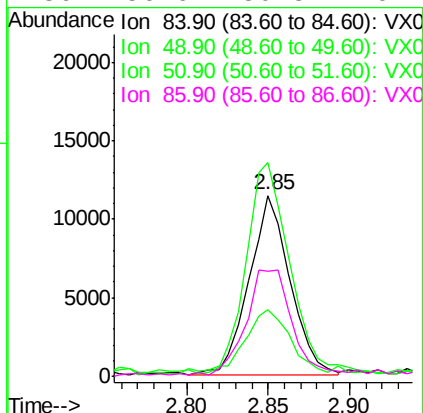
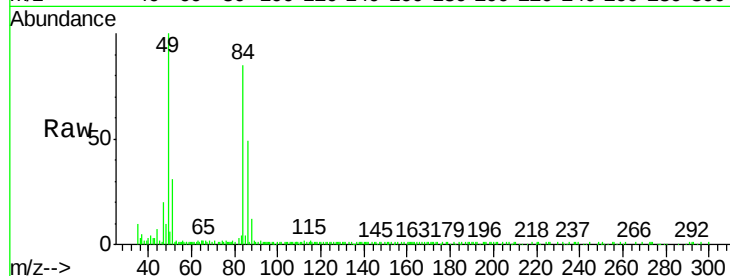




#20
Methylene Chloride
Concen: 3.277 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014295.D
Acq: 27 Dec 2019 02:25

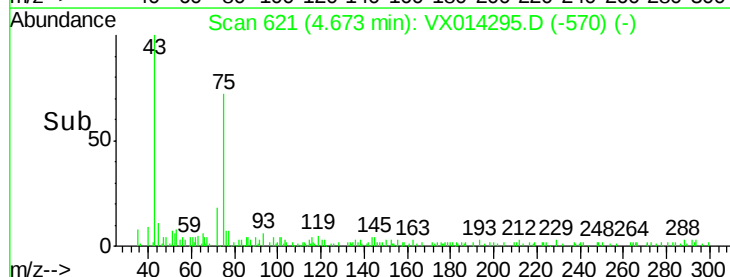
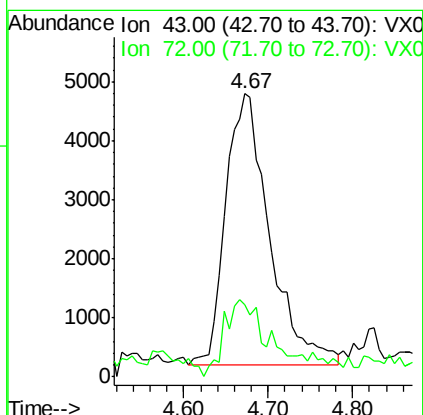
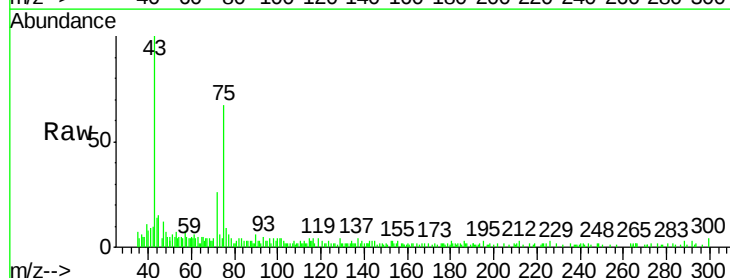
Instrument :
MSVOA_X
ClientSampleId :
K005-AB-WC-1

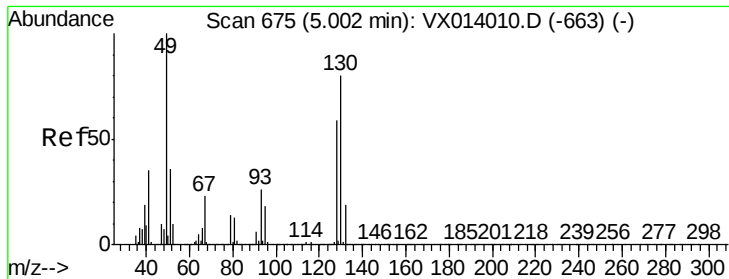
Tgt Ion:	84	Resp:	20093
Ion	Ratio	Lower	Upper
84	100		
49	114.9	95.8	143.6
51	32.7	29.8	44.8
86	56.6	50.8	76.2



#25
2-Butanone
Concen: 3.395 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX014295.D
Acq: 27 Dec 2019 02:25

Tgt Ion:	43	Resp:	16295
Ion	Ratio	Lower	Upper
43	100		
72	21.4	21.0	31.4





#28

Bromochloromethane

Concen: 0.562 ug/l

RT: 4.99 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

K005-AB-WC-1

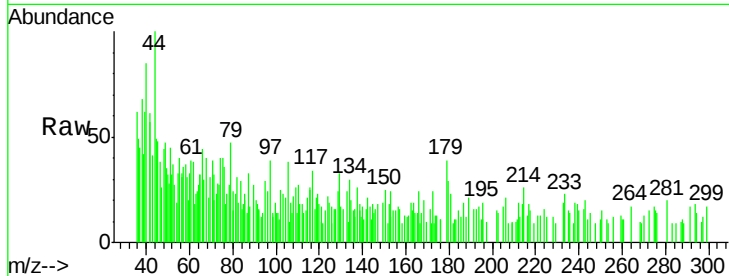
Tgt Ion: 49 Resp: 422

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

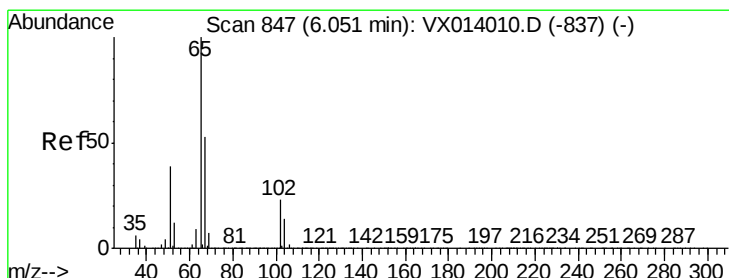
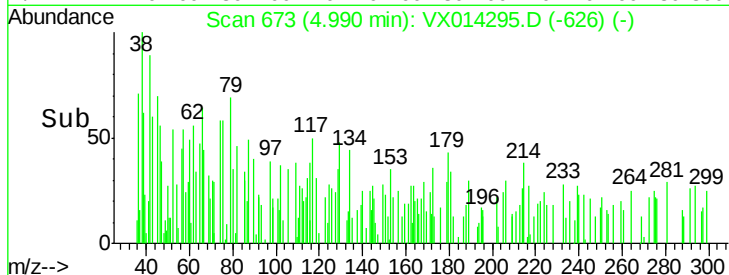
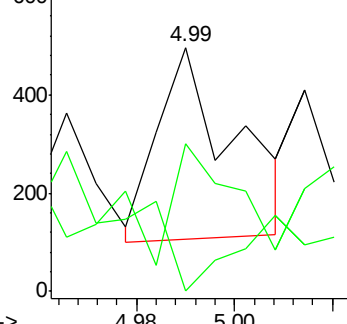
130 53.1 64.6 97.0#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 48.924 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014295.D

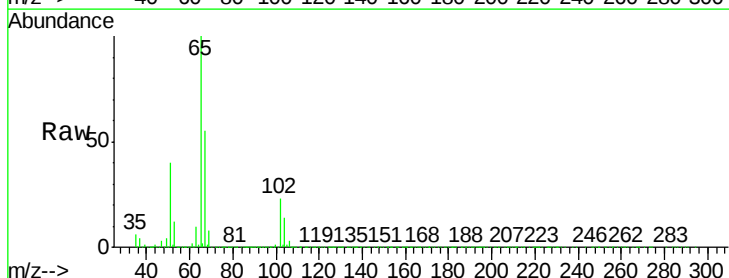
Acq: 27 Dec 2019 02:25

Tgt Ion: 65 Resp: 293403

Ion Ratio Lower Upper

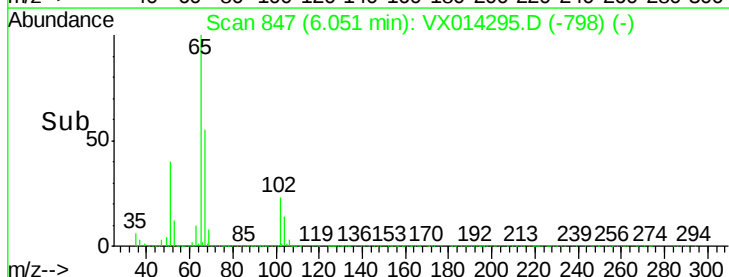
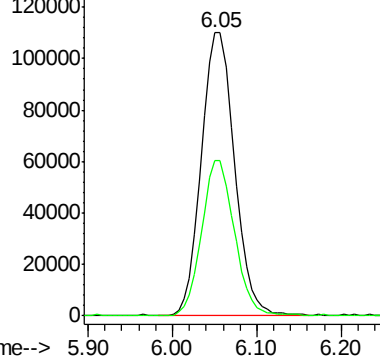
65 100

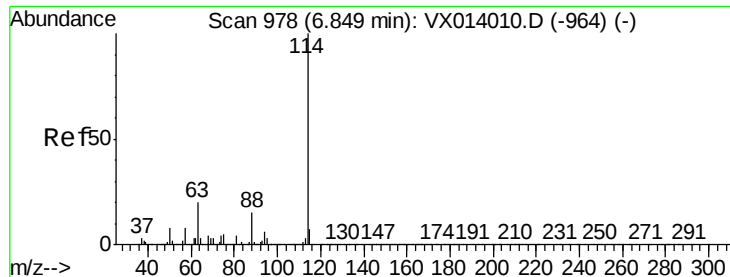
67 53.9 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

K005-AB-WC-1

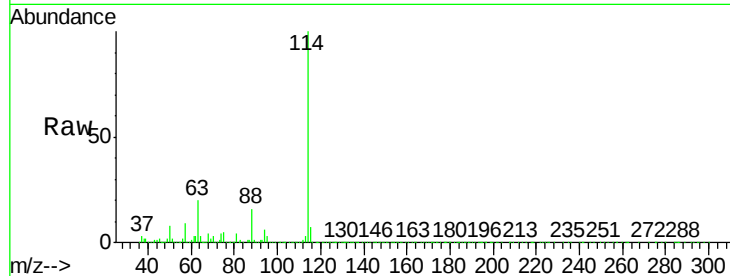
Tgt Ion:114 Resp: 825325

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

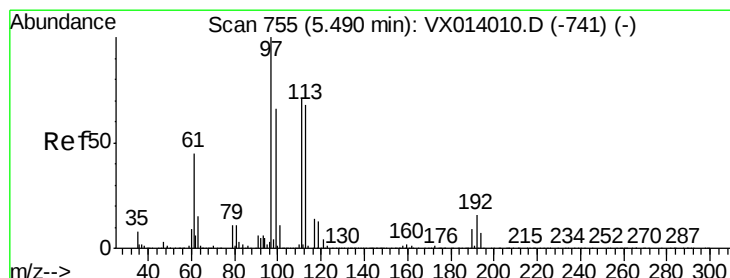
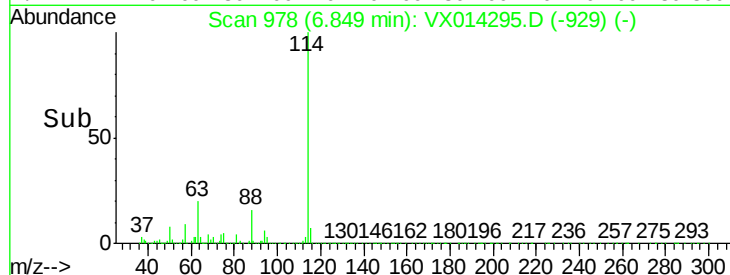
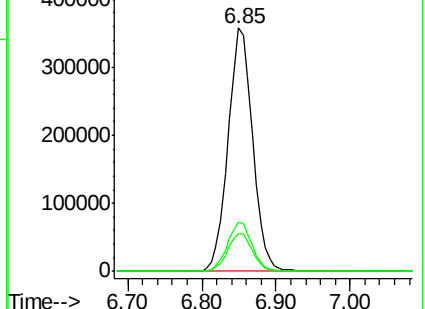
88 15.5 0.0 30.4



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: 48.346 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

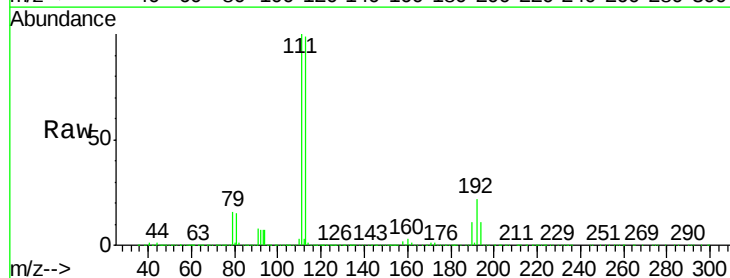
Tgt Ion:113 Resp: 242554

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

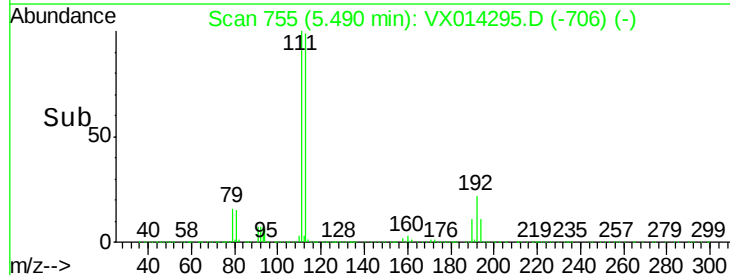
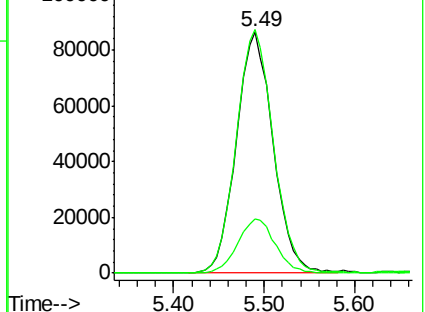
192 23.2 19.3 28.9

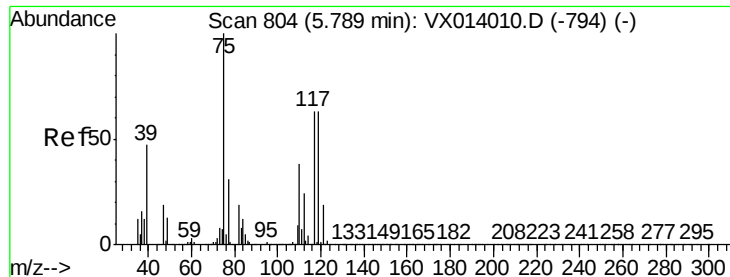


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

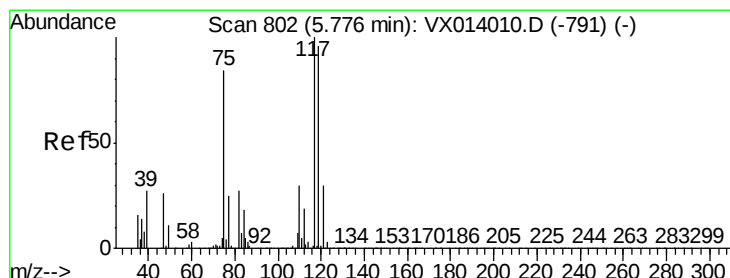
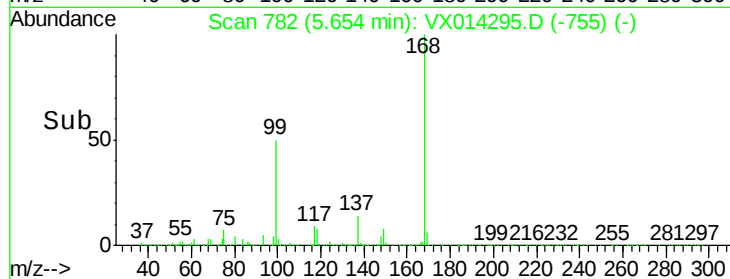
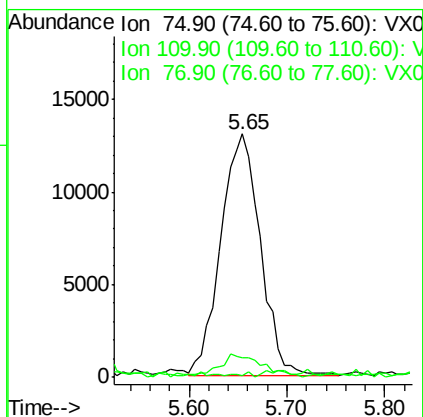
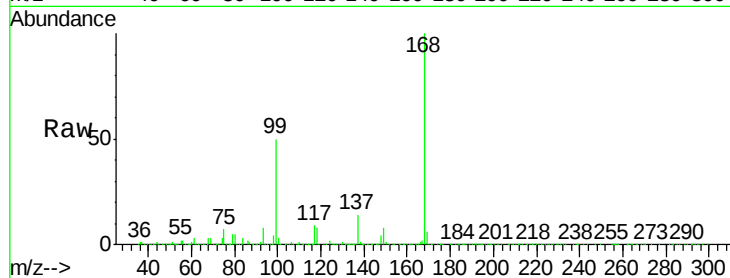




#36
 1,1-Dichloropropene
 Concen: 4.805 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX014295.D
 Acq: 27 Dec 2019 02:25

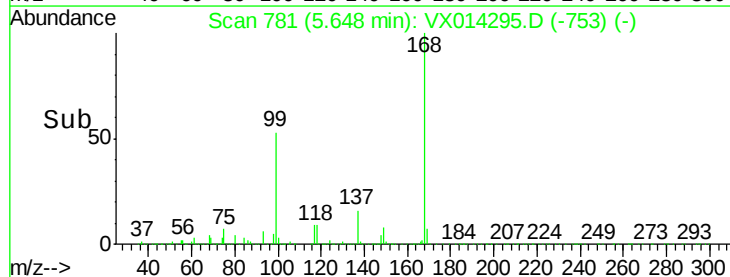
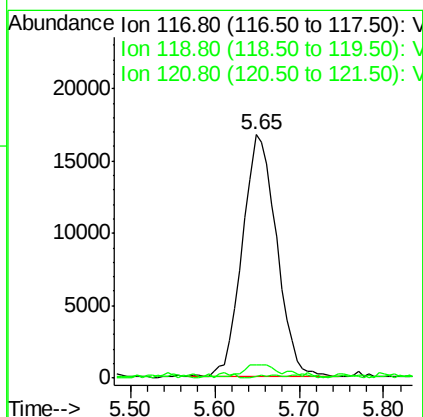
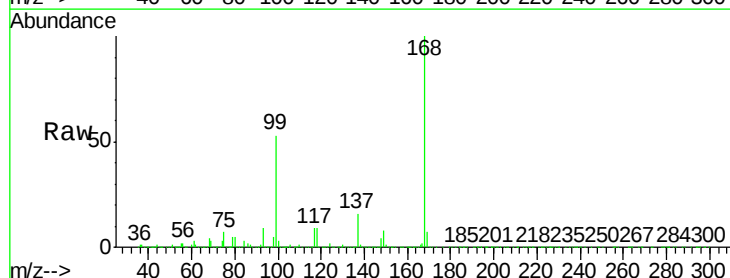
Instrument :
 MSVOA_X
 ClientSampleId :
 K005-AB-WC-1

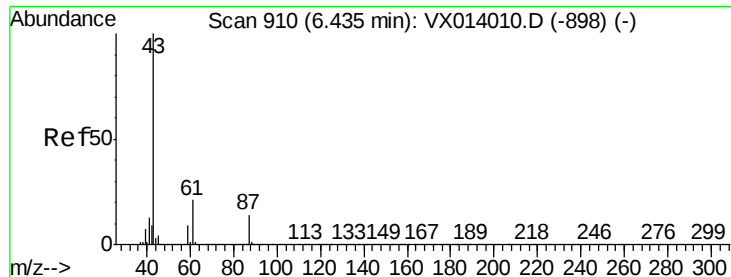
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.3	54.9#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.695 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014295.D
 Acq: 27 Dec 2019 02:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.2	114.4#
121	0.8	23.6	35.4#





#43

Isopropyl Acetate

Concen: 9.024 ug/l

RT: 6.43 min Scan# 910

Delta R.T. 0.00 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

K005-AB-WC-1

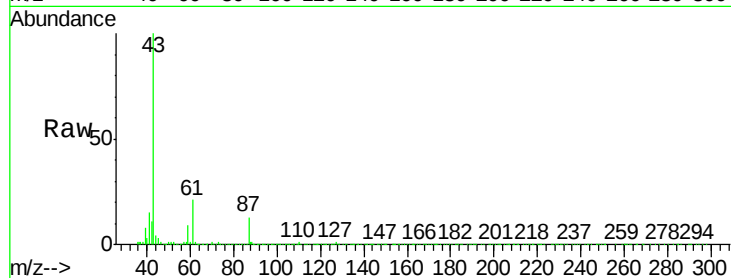
Tgt Ion: 43 Resp: 124892

Ion Ratio Lower Upper

43 100

61 19.9 16.4 24.6

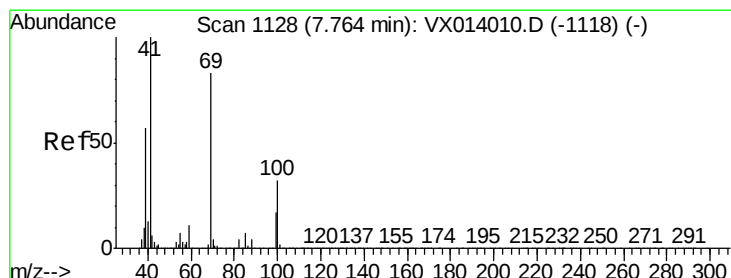
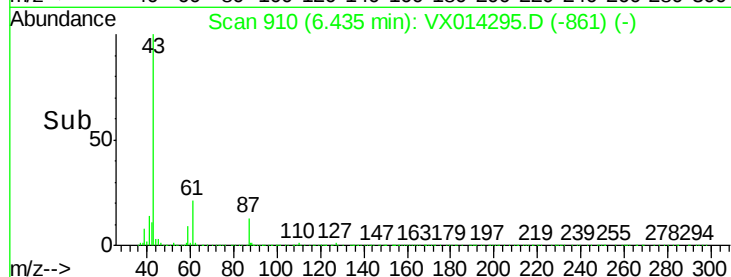
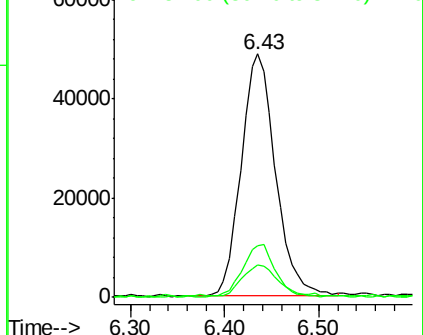
87 13.9 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 31.085 ug/l

RT: 7.87 min Scan# 1145

Delta R.T. 0.10 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

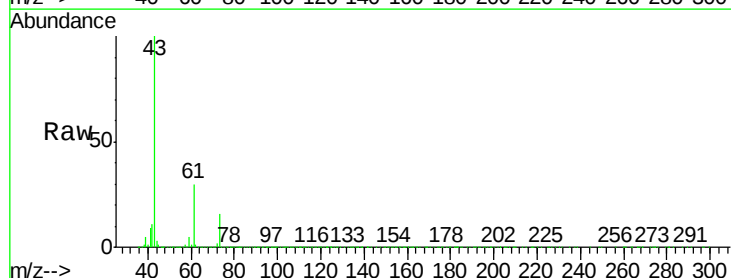
Tgt Ion: 41 Resp: 210657

Ion Ratio Lower Upper

41 100

69 0.4 65.8 98.6#

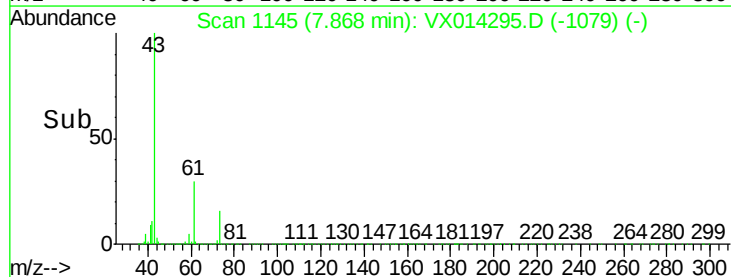
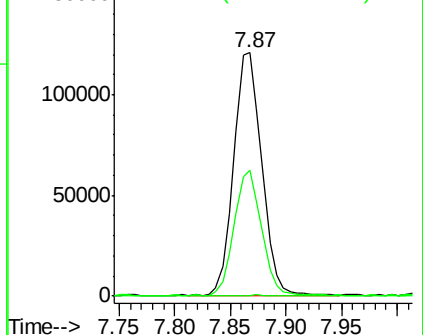
39 50.3 44.6 67.0

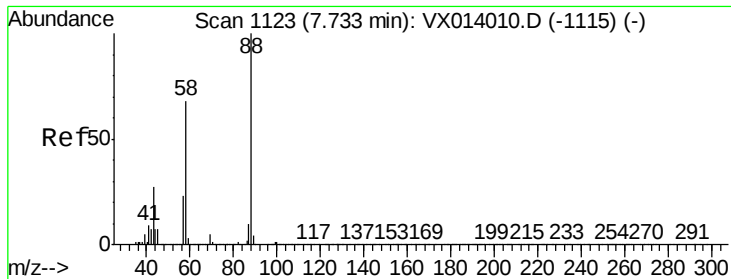


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 2.545 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

K005-AB-WC-1

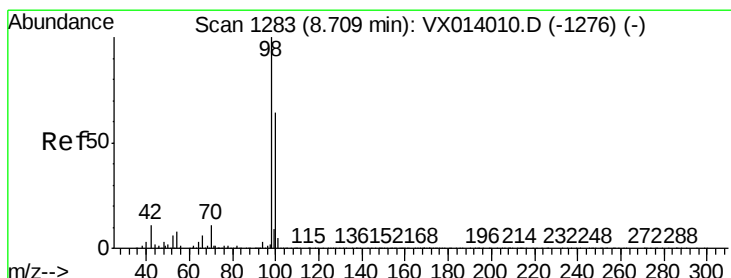
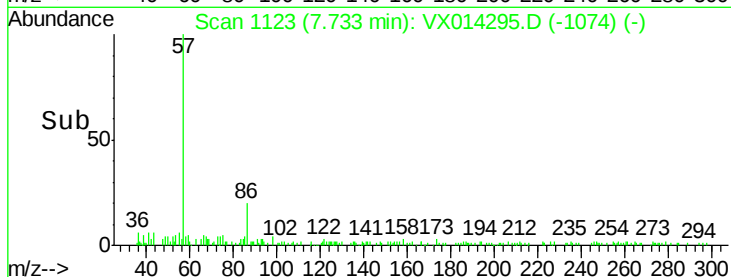
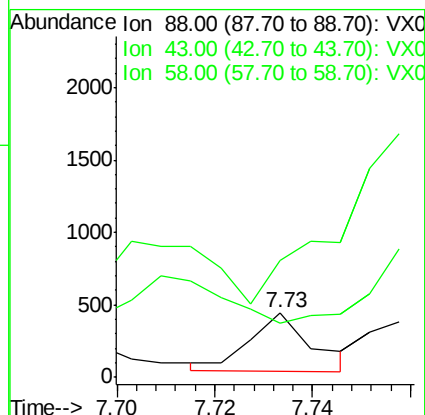
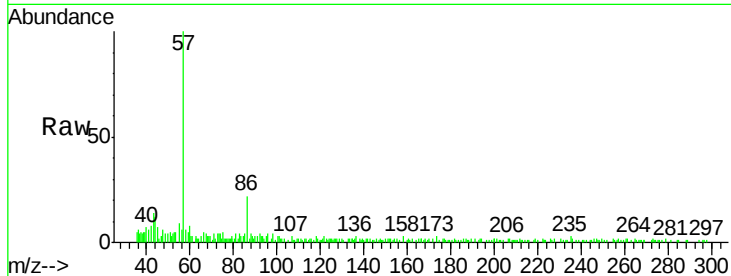
Tgt Ion: 88 Resp: 351

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 50.596 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014295.D

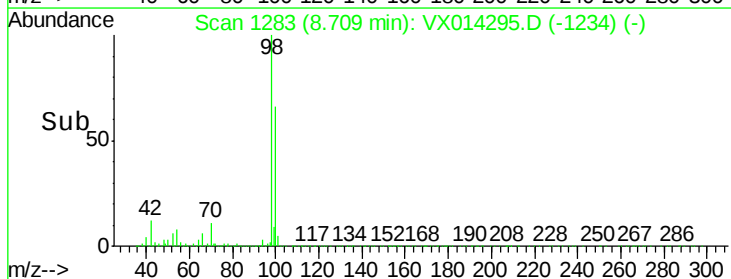
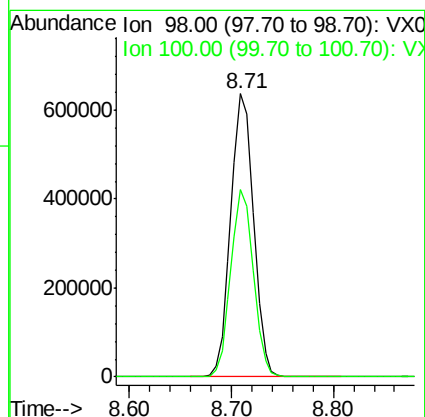
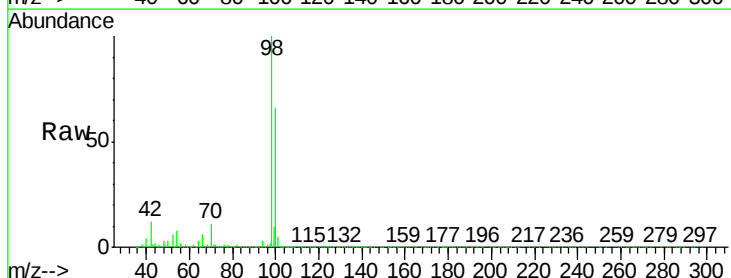
Acq: 27 Dec 2019 02:25

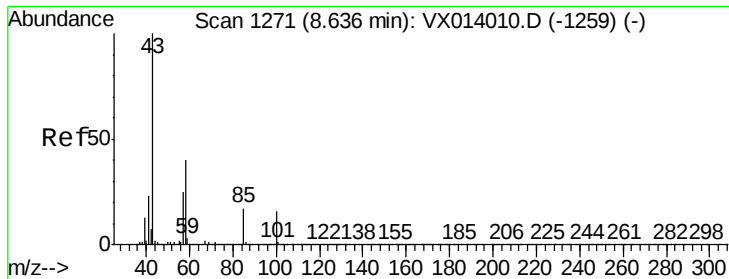
Tgt Ion: 98 Resp: 988273

Ion Ratio Lower Upper

98 100

100 65.4 52.9 79.3

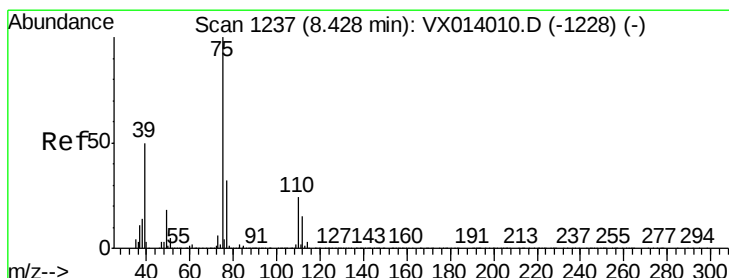
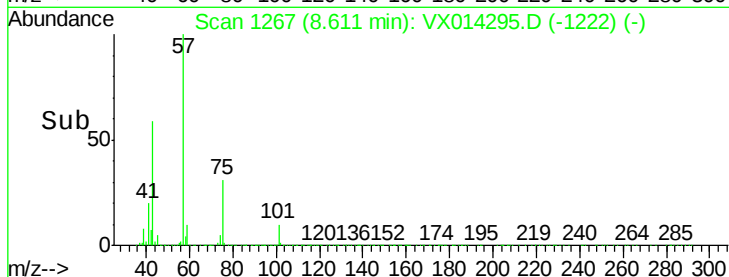
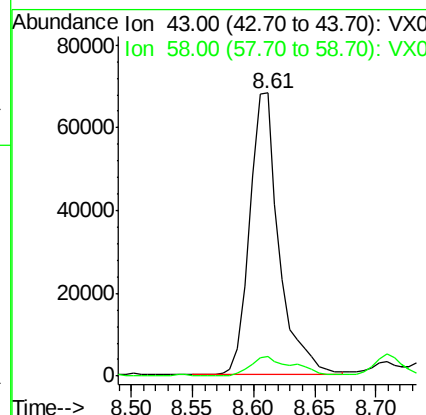
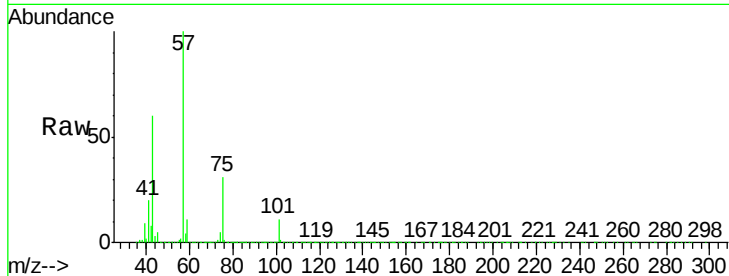




#51
 4-Methyl-2-Pentanone
 Concen: 13.167 ug/l
 RT: 8.61 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: VX014295.D
 Acq: 27 Dec 2019 02:25

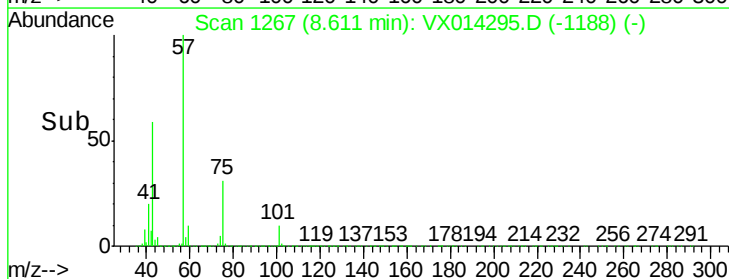
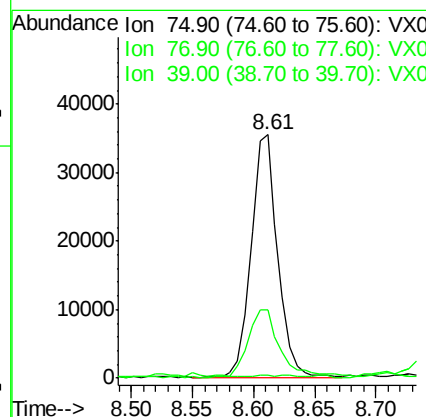
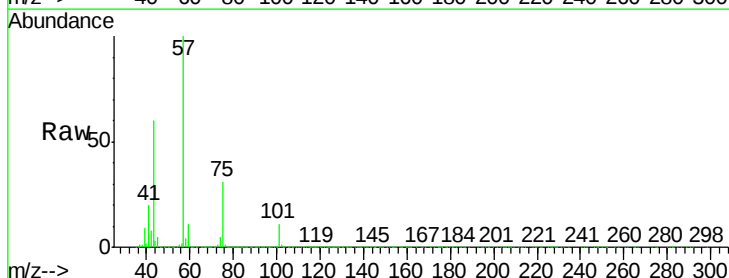
Instrument :
 MSVOA_X
 ClientSampleId :
 K005-AB-WC-1

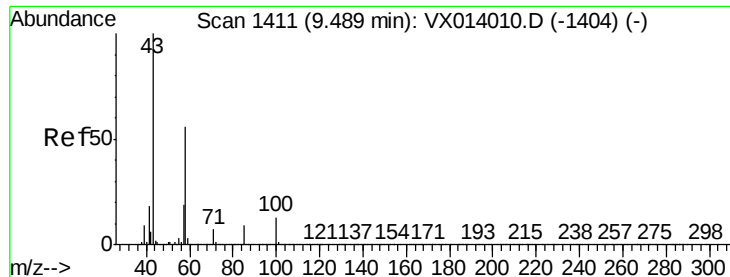
Tgt Ion: 43 Resp: 114443
 Ion Ratio Lower Upper
 43 100
 58 9.6 32.2 48.2#



#54
 cis-1,3-Dichloropropene
 Concen: 5.898 ug/l
 RT: 8.61 min Scan# 1267
 Delta R.T. 0.18 min
 Lab File: VX014295.D
 Acq: 27 Dec 2019 02:25

Tgt Ion: 75 Resp: 53580
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 27.0 39.9 59.9#





#59

2-Hexanone

Concen: 18.023 ug/l

RT: 9.54 min Scan# 1419

Delta R.T. 0.05 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

Instrument :

MSVOA_X

ClientSampleId :

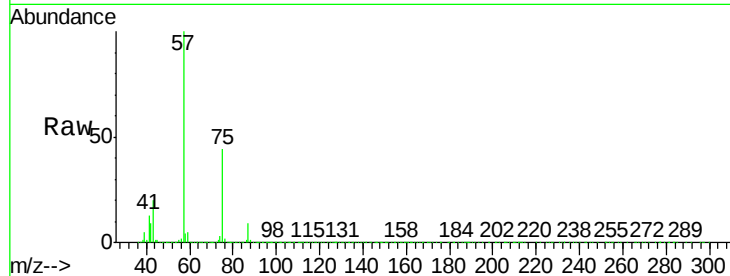
K005-AB-WC-1

Tgt Ion: 43 Resp: 126100

Ion Ratio Lower Upper

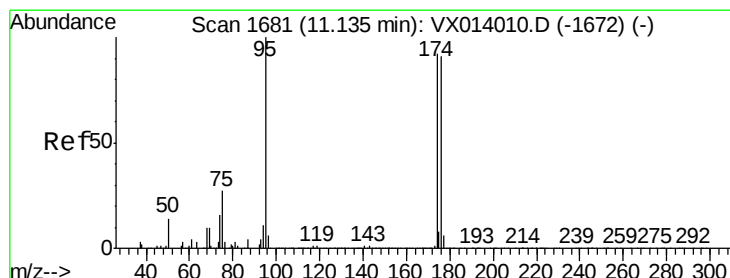
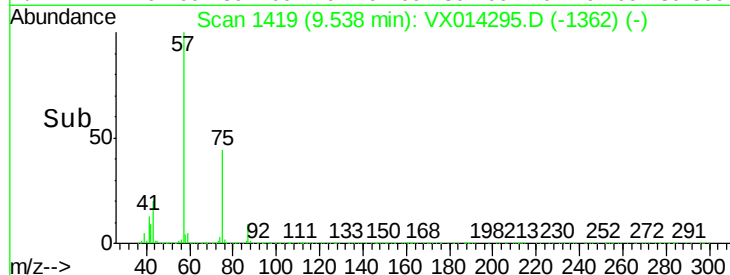
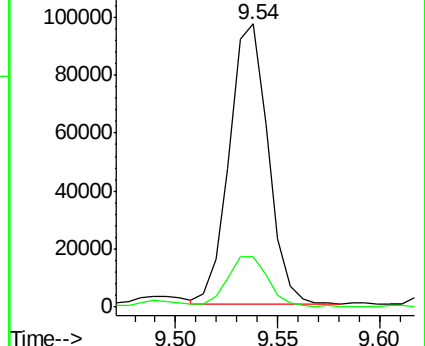
43 100

58 18.9 28.0 84.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.765 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

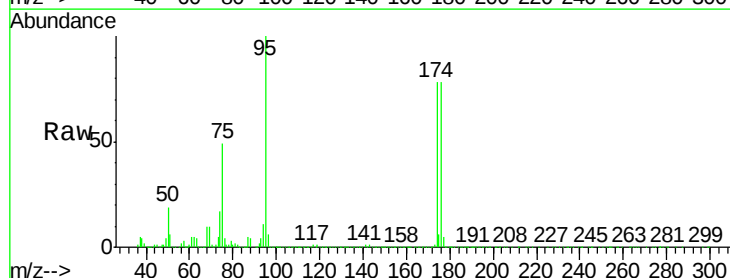
Tgt Ion: 95 Resp: 333905

Ion Ratio Lower Upper

95 100

174 88.1 0.0 175.8

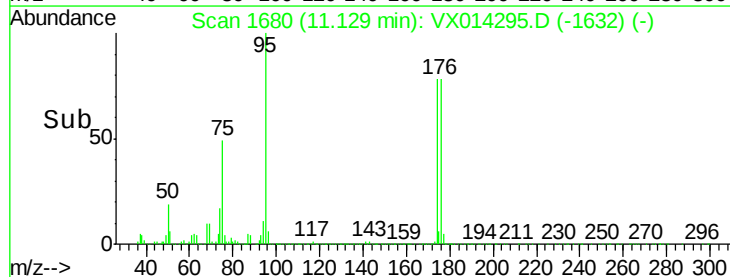
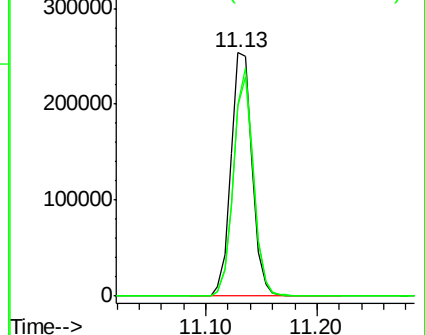
176 85.5 0.0 173.0

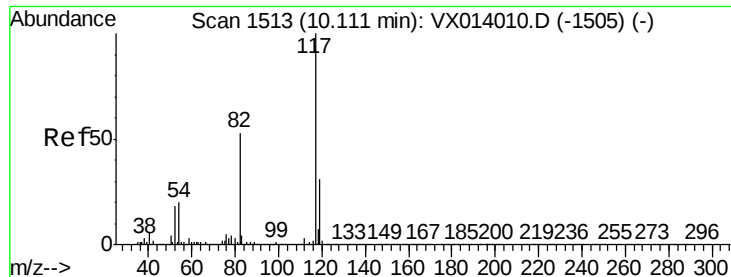


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

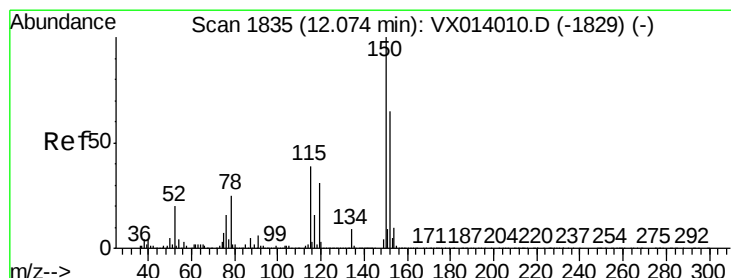
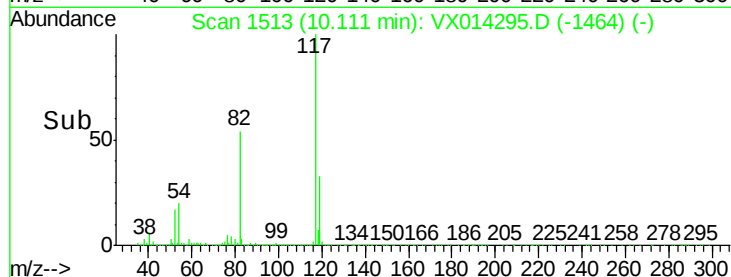
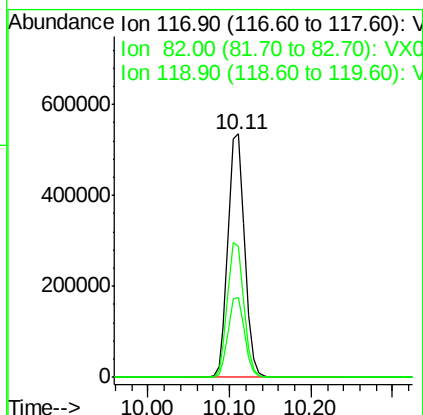
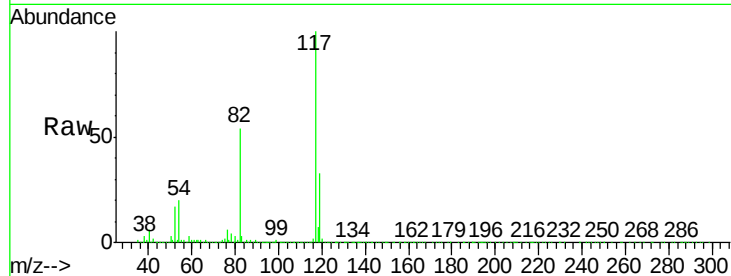




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014295.D
Acq: 27 Dec 2019 02:25

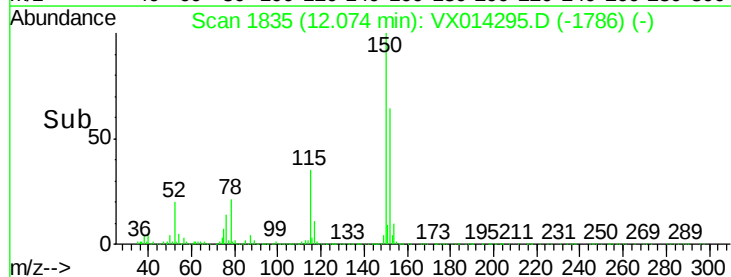
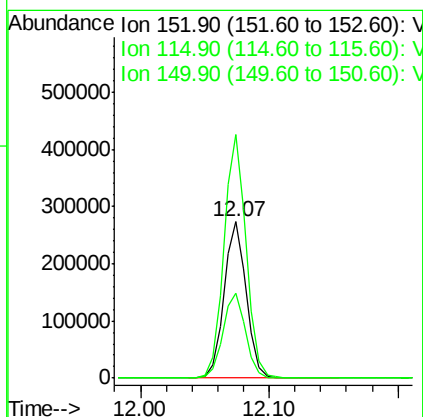
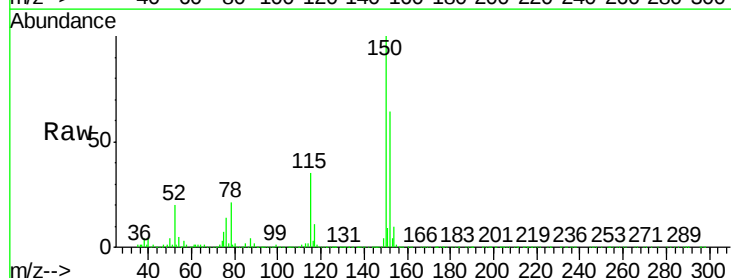
Instrument :
MSVOA_X
ClientSampleId :
K005-AB-WC-1

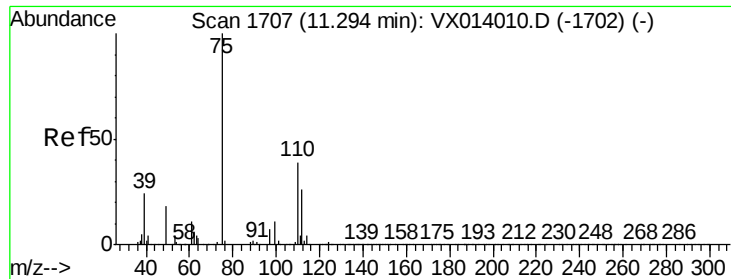
Tgt Ion:117 Resp: 748202
Ion Ratio Lower Upper
117 100
82 53.9 42.2 63.4
119 32.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014295.D
Acq: 27 Dec 2019 02:25

Tgt Ion:152 Resp: 330710
Ion Ratio Lower Upper
152 100
115 55.0 38.3 114.9
150 155.5 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 22.489 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

Instrument :

MSVOA_X

ClientSampled :

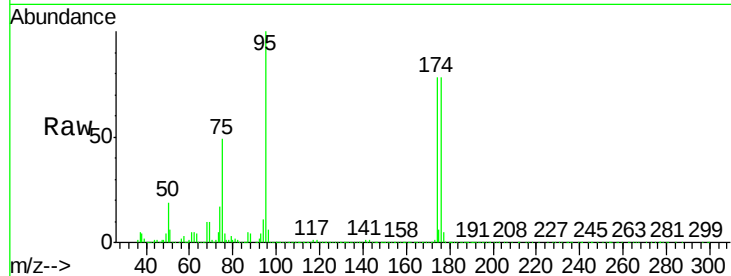
K005-AB-WC-1

Tgt Ion: 75 Resp: 161465

Ion Ratio Lower Upper

75 100

77 1.7 19.3 57.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

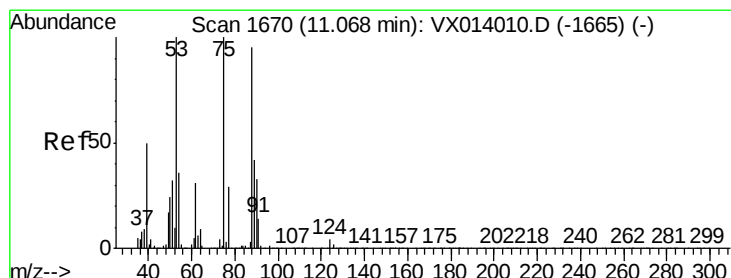
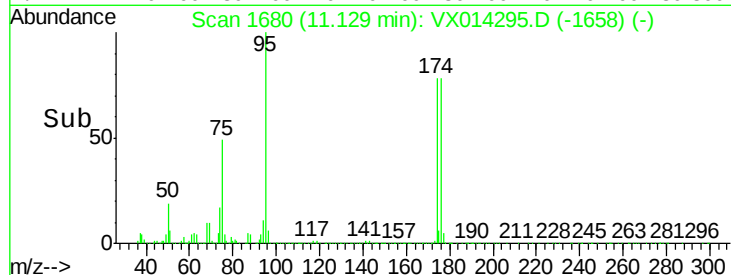
Ion 77.00 (76.70 to 77.70): VX0

11.13

100000

50000

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 63.476 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014295.D

Acq: 27 Dec 2019 02:25

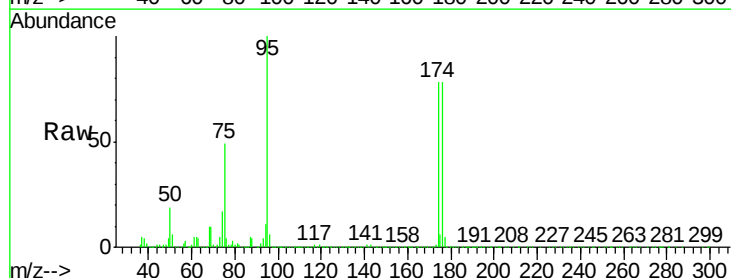
Tgt Ion: 75 Resp: 161465

Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.1 34.6 51.8#



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

11.13

150000

100000

50000

Time-->

