

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123019\
 Data File : VX014366.D
 Acq On : 30 Dec 2019 20:03
 Operator : JC/SP
 Sample : K6455-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 K435-WC-1

Quant Time: Dec 31 01:23:04 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	499366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	786803	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	707992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	309533	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	282904	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
35) Dibromofluoromethane	5.49	113	237518	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	8.71	98	952345	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.14	95	312630	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	

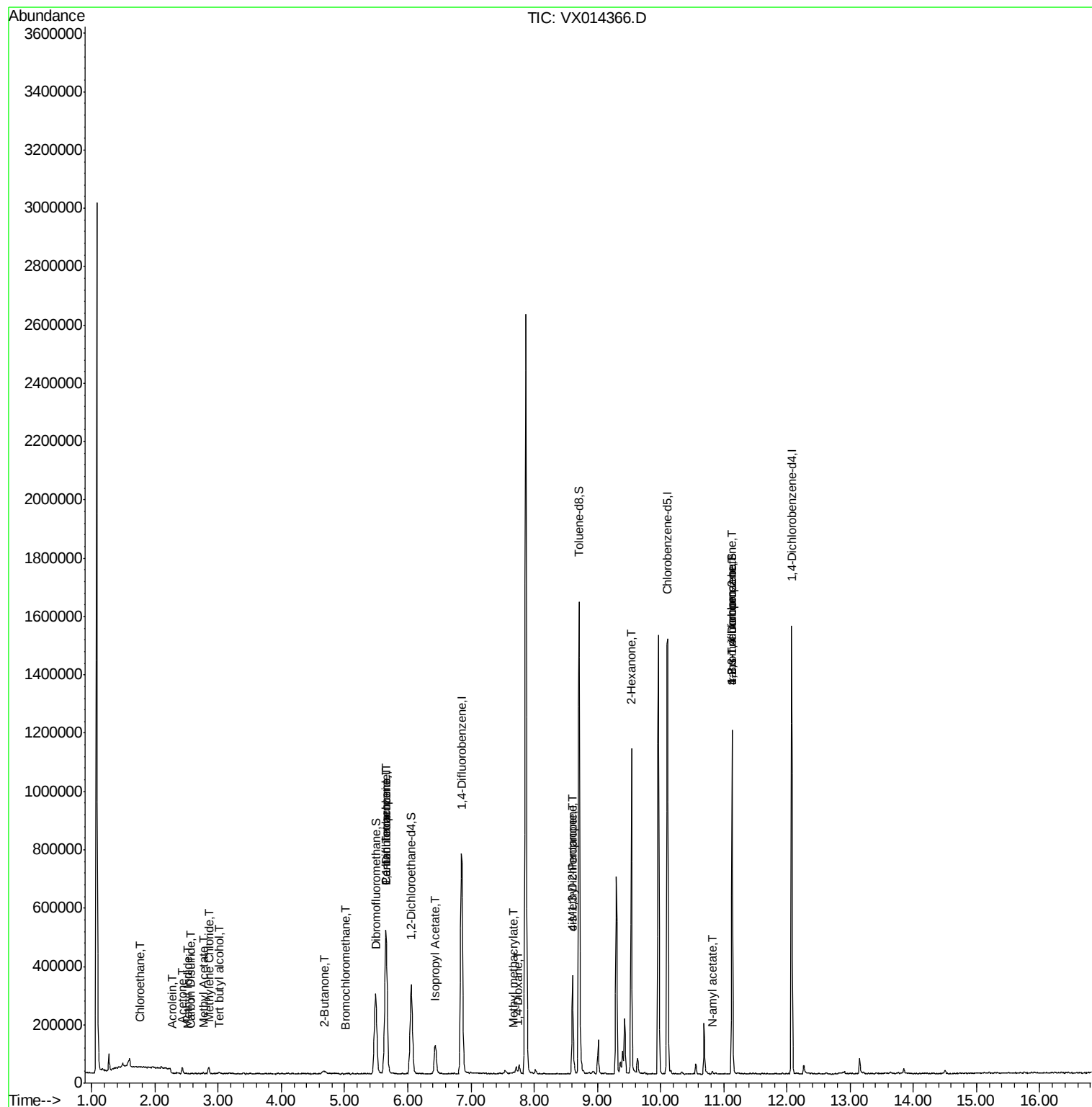
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.76	64	1189	0.305	ug/l #	68
10) Methyl Iodide	2.51	142	305	2.667	ug/l #	80
11) Tert butyl alcohol	3.02	59	3448	2.819	ug/l #	57
13) Acrolein	2.27	56	413	0.590	ug/l #	81
16) Acetone	2.43	43	23370	6.360	ug/l	99
17) Carbon Disulfide	2.56	76	1737	0.878	ug/l #	31
18) Methyl Acetate	2.76	43	6506	0.894	ug/l	96
20) Methylene Chloride	2.85	84	11413	1.973	ug/l	89
25) 2-Butanone	4.68	43	7157	1.580	ug/l	96
28) Bromochloromethane	5.01	49	636	0.626	ug/l #	94
36) 1,1-Dichloropropene	5.65	75	35037	4.853	ug/l #	51
38) Carbon Tetrachloride	5.65	117	44313	6.738	ug/l #	16
43) Isopropyl Acetate	6.43	43	136040	10.311	ug/l	99
48) Methyl methacrylate	7.67	41	7562	1.170	ug/l #	20
49) 1,4-Dioxane	7.74	88	532	4.046	ug/l #	23
51) 4-Methyl-2-Pentanone	8.61	43	122419	14.775	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	55639	6.425	ug/l #	61
59) 2-Hexanone	9.54	43	135067	20.250	ug/l #	47
74) N-amyl acetate	10.82	43	6212	0.608	ug/l #	49
76) 1,2,3-Trichloropropane	11.13	75	151597	22.559	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	151597	63.674	ug/l #	11

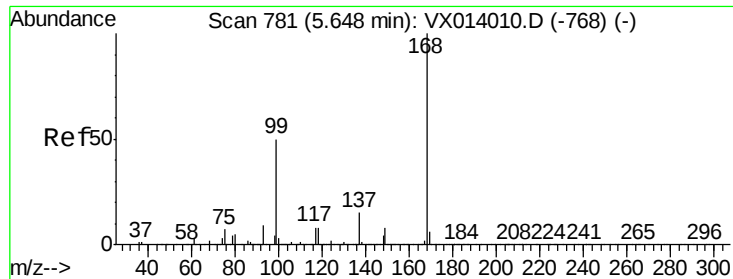
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014366.D

Acq: 30 Dec 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

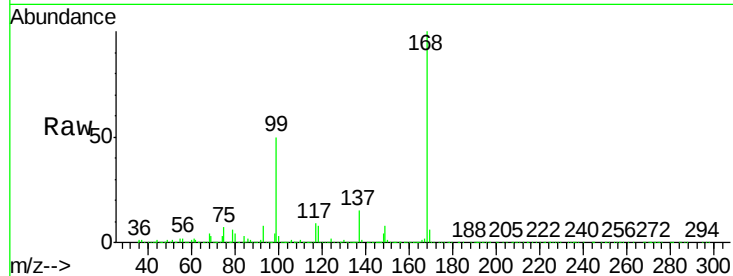
K435-WC-1

Tot Ion:168 Resp: 499366

Ion Ratio Lower Upper

168 100

99 50.1 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

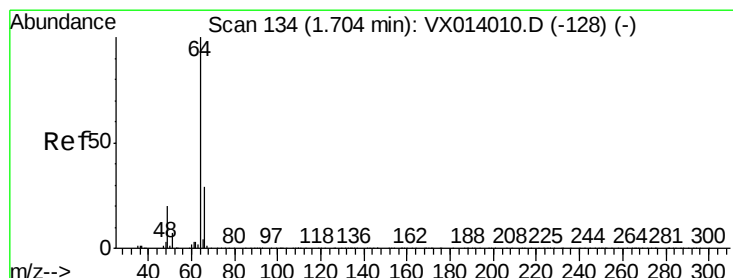
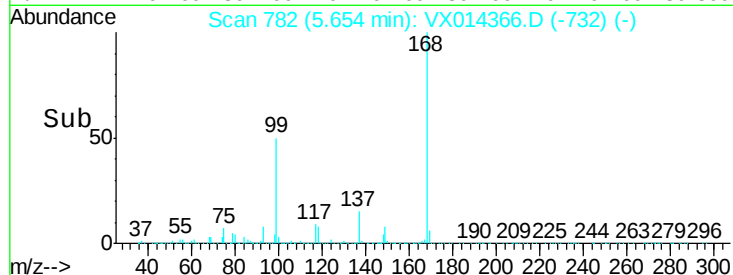
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.305 ug/l

RT: 1.76 min Scan# 143

Delta R.T. 0.05 min

Lab File: VX014366.D

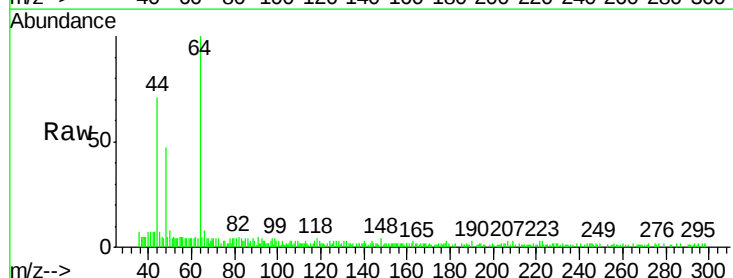
Acq: 30 Dec 2019 20:03

Tgt Ion: 64 Resp: 1189

Ion Ratio Lower Upper

64 100

66 12.2 23.4 35.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.76

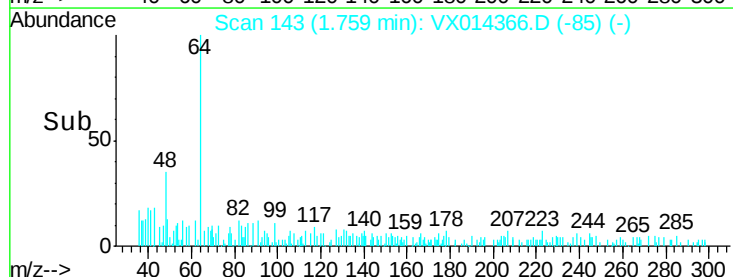
6000

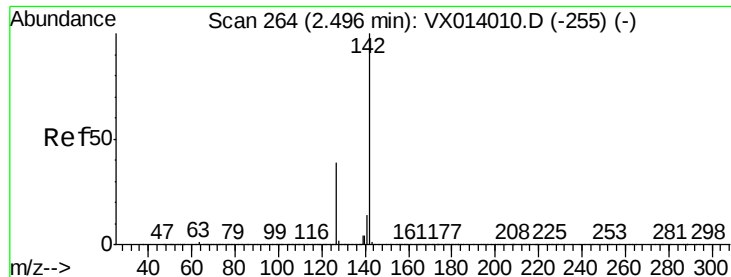
4000

2000

0

Time-->





#10

Methyl Iodide

Concen: 2.667 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014366.D

Acq: 30 Dec 2019 20:03

Instrument :

MSVOA_X

ClientSampled :

K435-WC-1

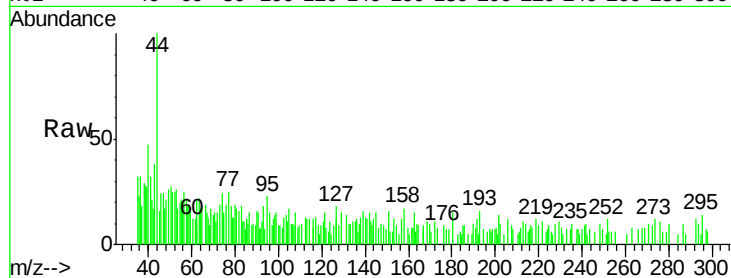
Tot Ion:142 Resp: 305

Ion Ratio Lower Upper

142 100

127 39.7 31.6 47.4

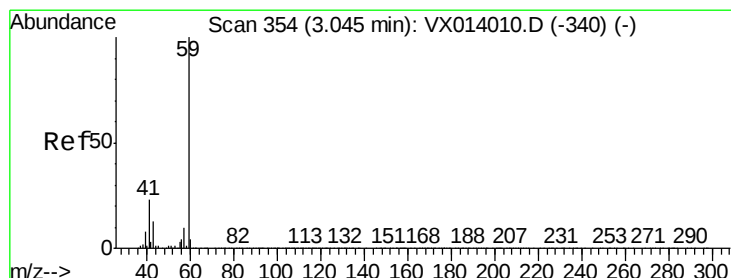
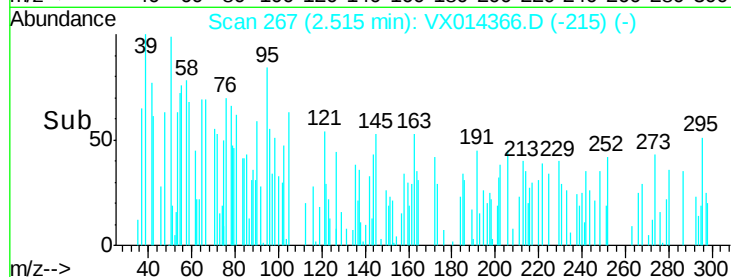
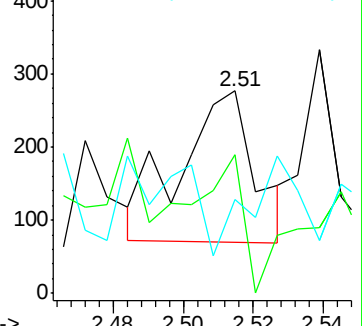
141 45.6 11.6 17.4#



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: 2.819 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX014366.D

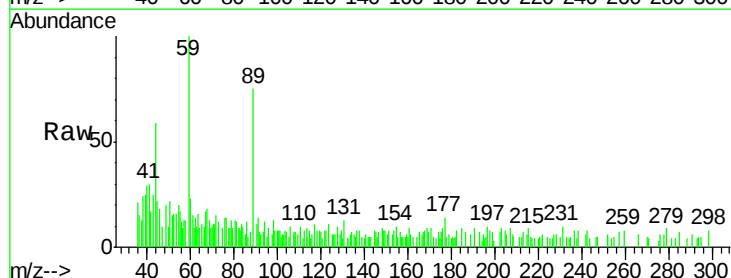
Acq: 30 Dec 2019 20:03

Tgt Ion: 59 Resp: 3448

Ion Ratio Lower Upper

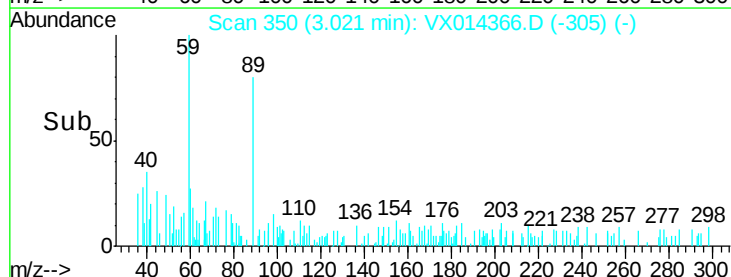
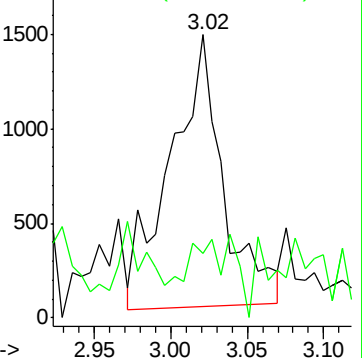
59 100

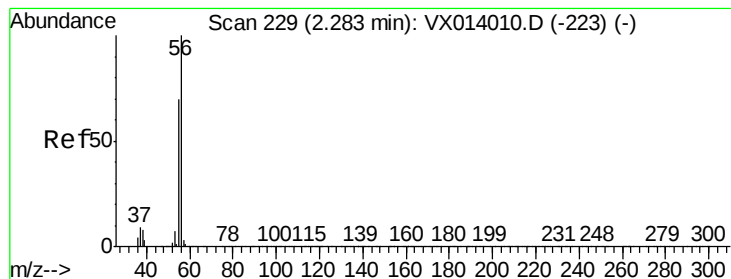
57 26.5 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.590 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX014366.D

Acq: 30 Dec 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

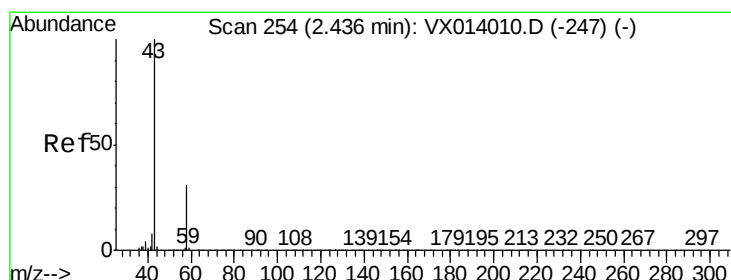
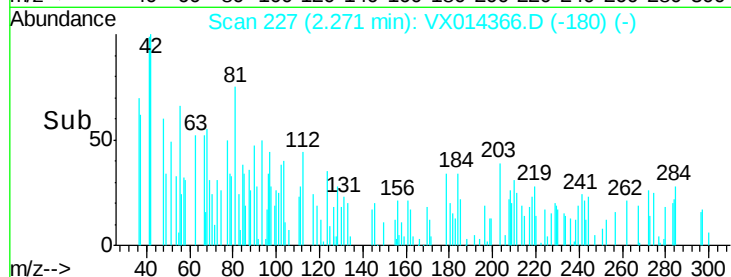
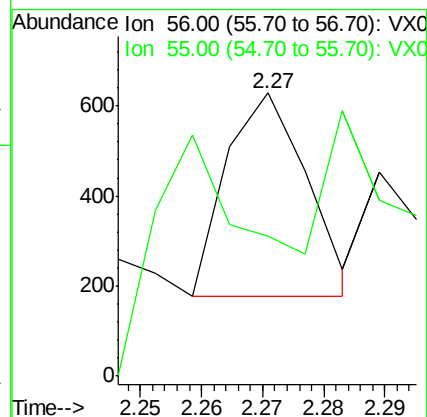
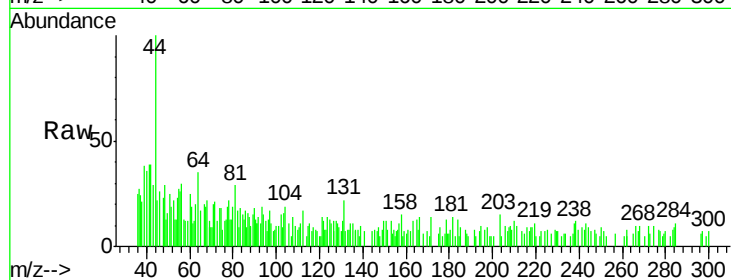
K435-WC-1

Tot Ion: 56 Resp: 413

Ion Ratio Lower Upper

56 100

55 86.4 56.9 85.3#



#16

Acetone

Concen: 6.360 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014366.D

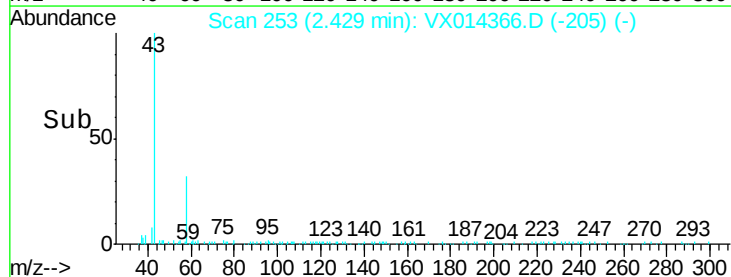
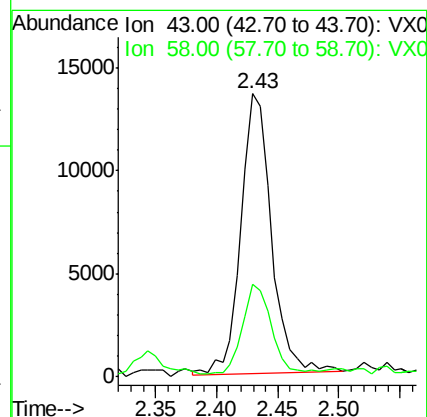
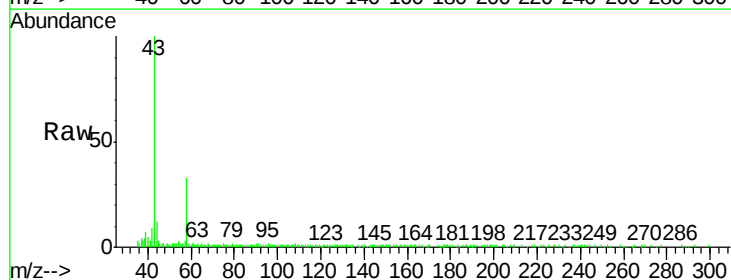
Acq: 30 Dec 2019 20:03

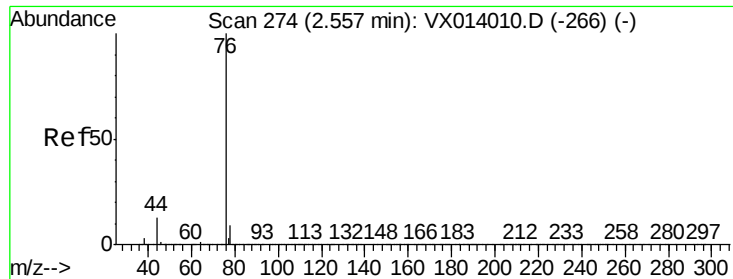
Tgt Ion: 43 Resp: 23370

Ion Ratio Lower Upper

43 100

58 31.5 24.9 37.3





#17

Carbon Disulfide

Concen: 0.878 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX014366.D

Acq: 30 Dec 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

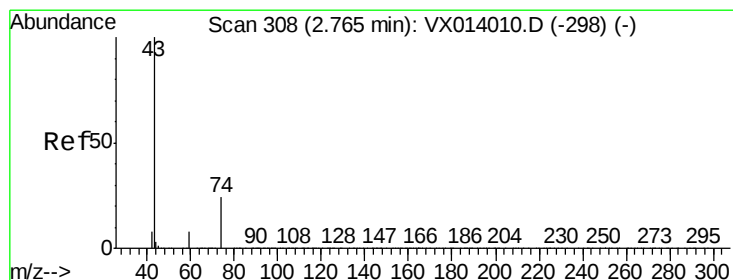
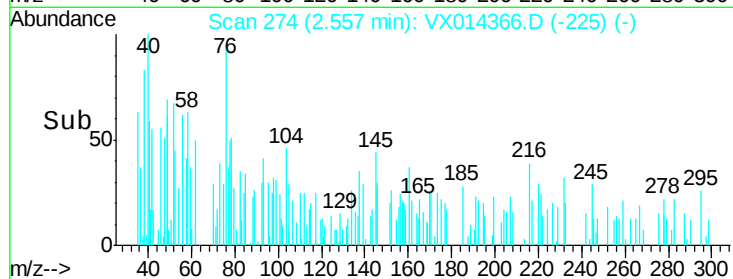
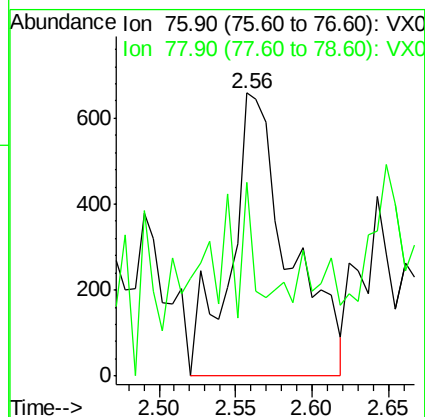
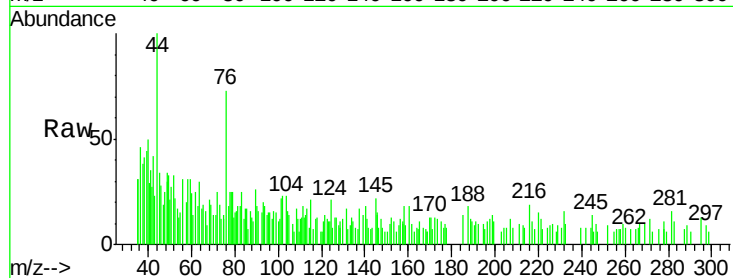
K435-WC-1

Tot Ion: 76 Resp: 1737

Ion Ratio Lower Upper

76 100

78 34.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.894 ug/l

RT: 2.76 min Scan# 308

Delta R.T. -0.00 min

Lab File: VX014366.D

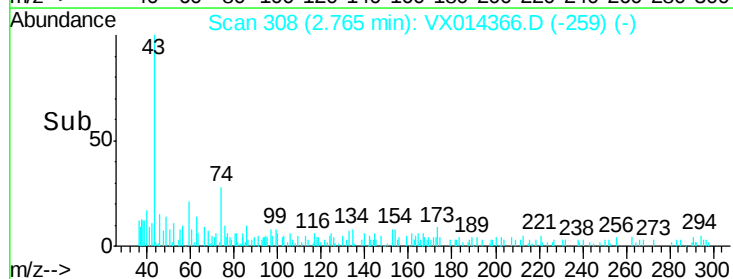
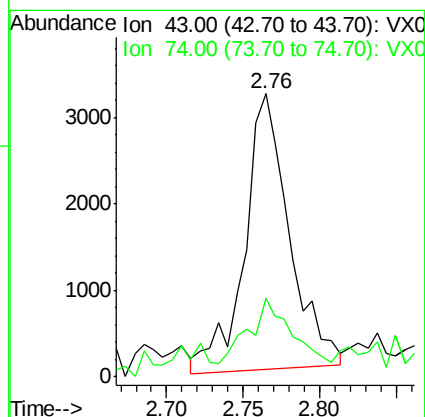
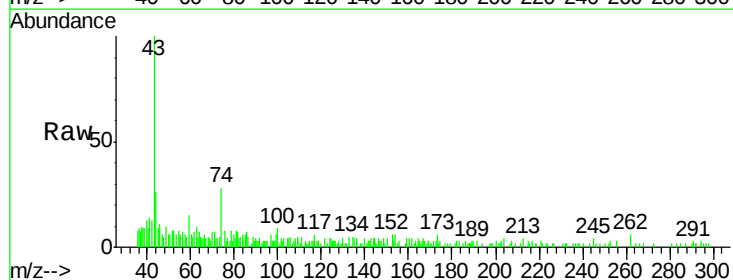
Acq: 30 Dec 2019 20:03

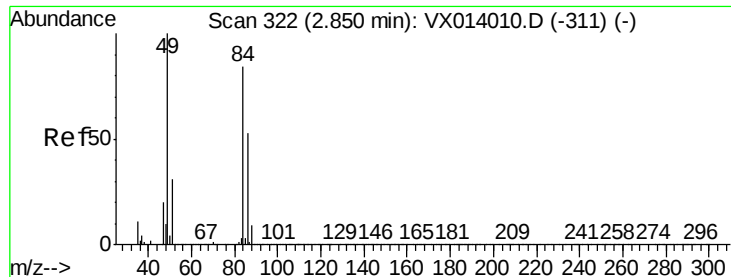
Tgt Ion: 43 Resp: 6506

Ion Ratio Lower Upper

43 100

74 22.5 19.5 29.3

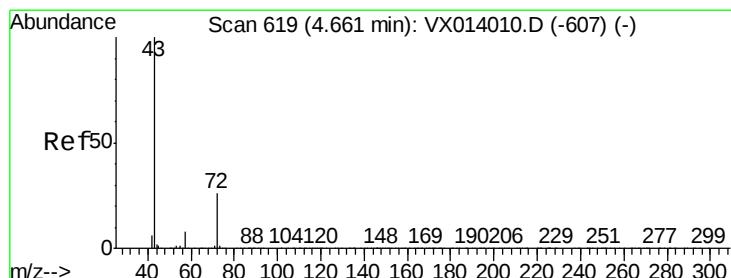
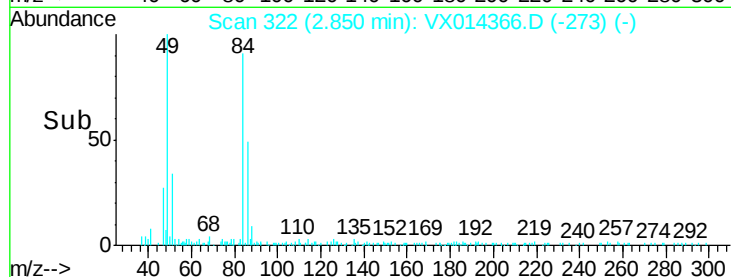
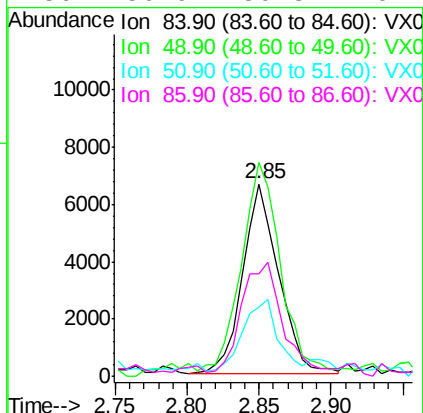
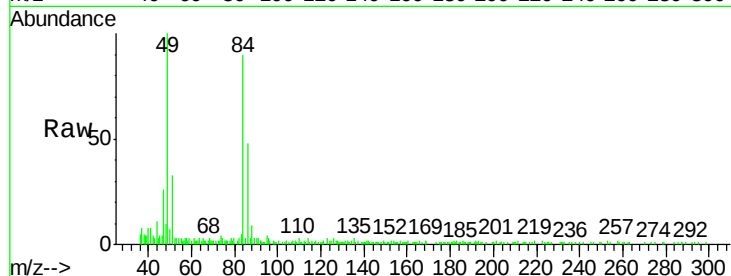




#20
Methvlene Chloride
Concen: 1.973 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX014366.D
Acq: 30 Dec 2019 20:03

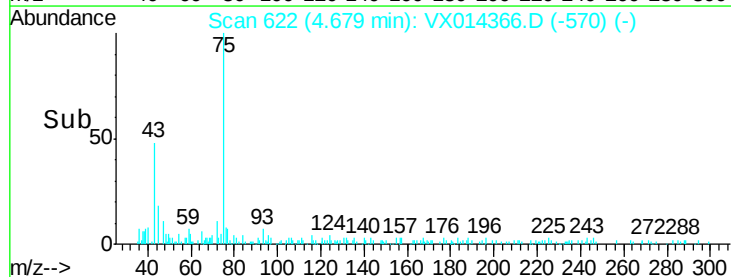
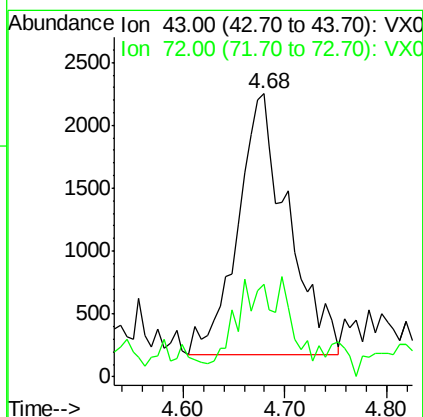
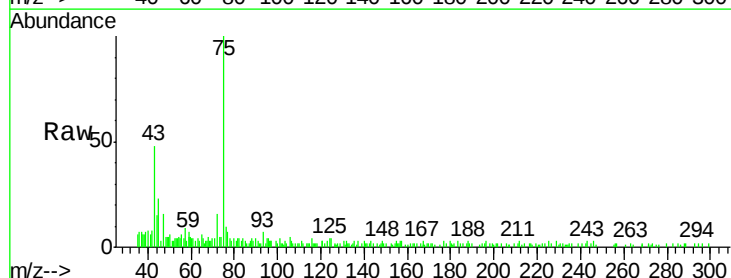
Instrument :
MSVOA_X
ClientSampleId :
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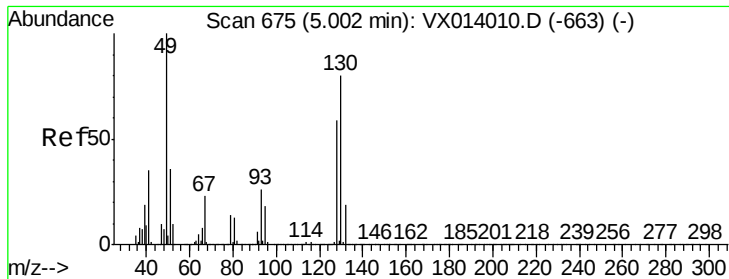
Tot Ion:	84	Resp:	11413
Ion	Ratio	Lower	Upper
84	100		
49	110.0	95.8	143.6
51	32.9	29.8	44.8
86	50.9	50.8	76.2



#25
2-Butanone
Concen: 1.580 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX014366.D
Acq: 30 Dec 2019 20:03

Tgt Ion:	43	Resp:	7157
Ion	Ratio	Lower	Upper
43	100		
72	28.0	21.0	31.4

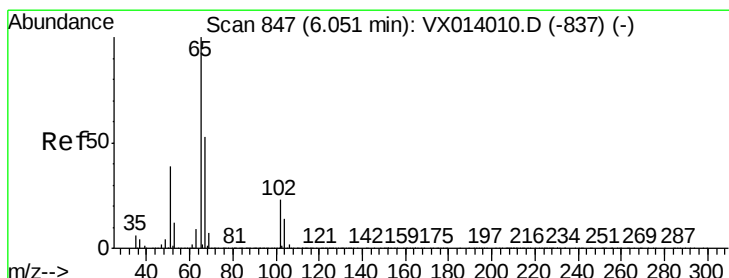
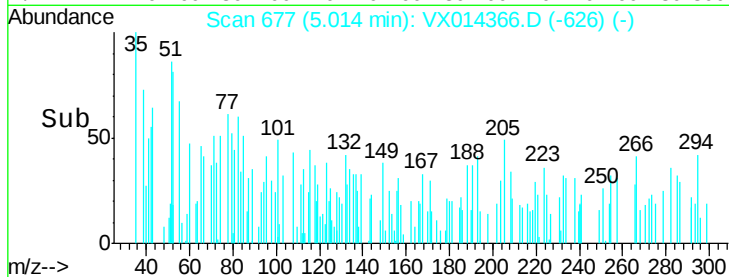
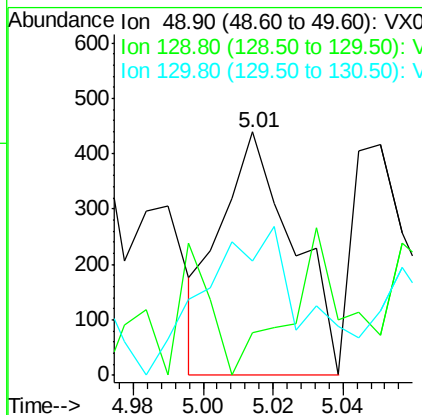
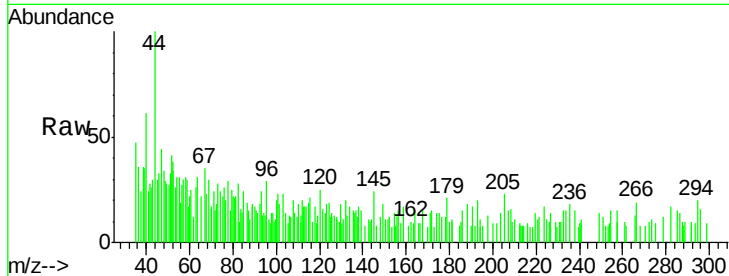




#28
 Bromochloromethane
 Concen: 0.626 ug/l
 RT: 5.01 min Scan# 677
 Delta R.T. 0.01 min
 Lab File: VX014366.D
 Acq: 30 Dec 2019 20:03

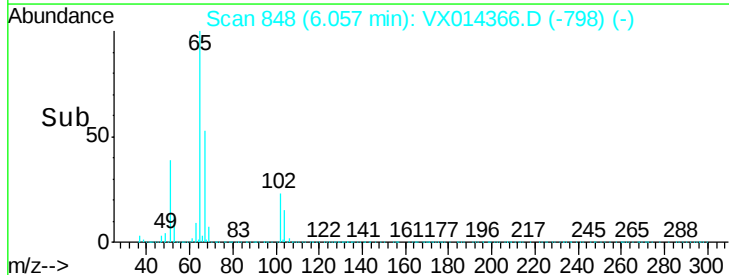
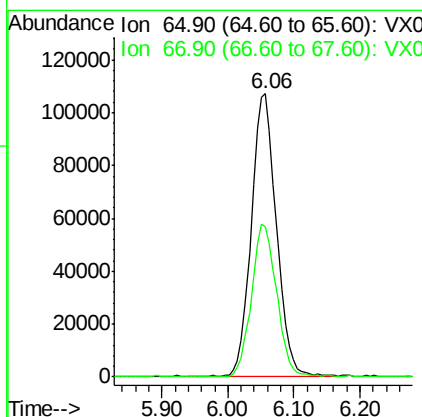
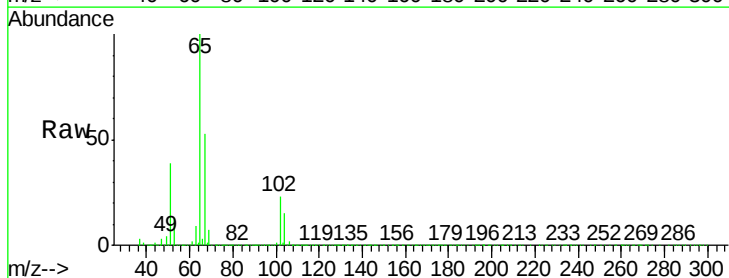
Instrument :
 MSVOA_X
 ClientSampled :
 K435-WC-1

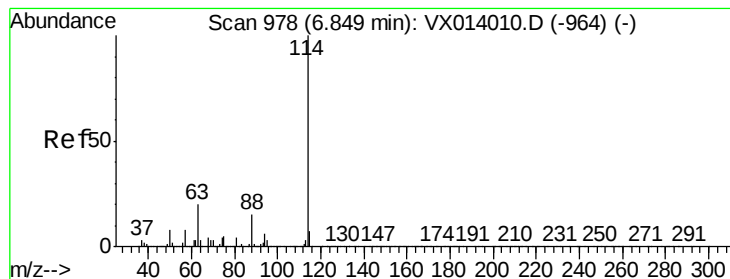
Tot Ion: 49 Resp: 636
 Ion Ratio Lower Upper
 49 100
 129 46.9 0.0 5.0#
 130 82.7 64.6 97.0



#33
 1,2-Dichloroethane-d4
 Concen: 49.986 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014366.D
 Acq: 30 Dec 2019 20:03

Tgt Ion: 65 Resp: 282904
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014366.D

Acq: 30 Dec 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

K435-WC-1

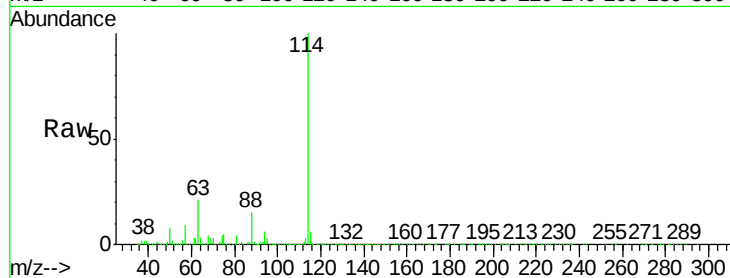
Tot Ion:114 Resp: 786803

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

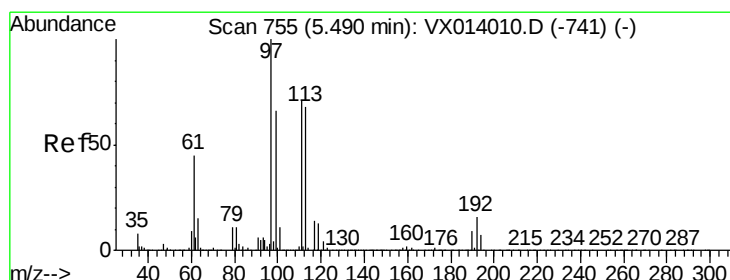
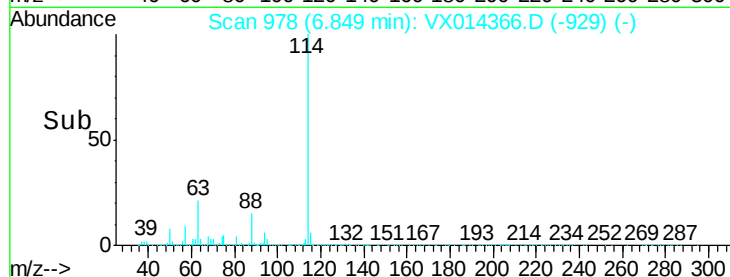
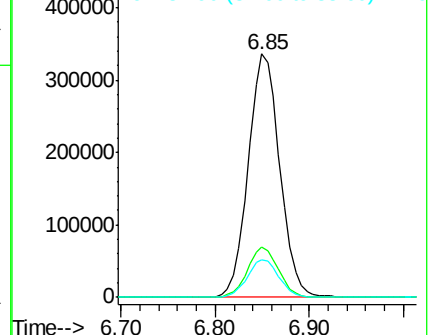
88 15.5 0.0 30.4



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: 49.660 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014366.D

Acq: 30 Dec 2019 20:03

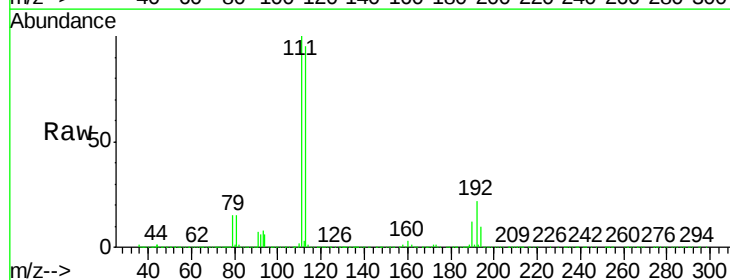
Tgt Ion:113 Resp: 237518

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

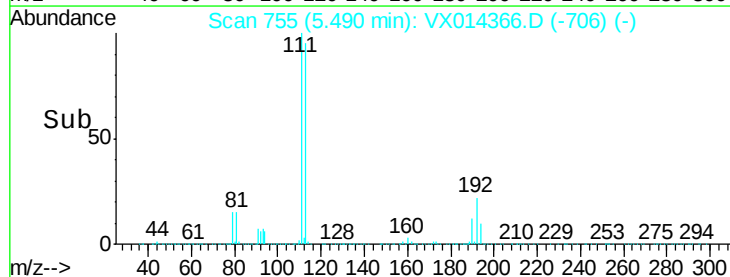
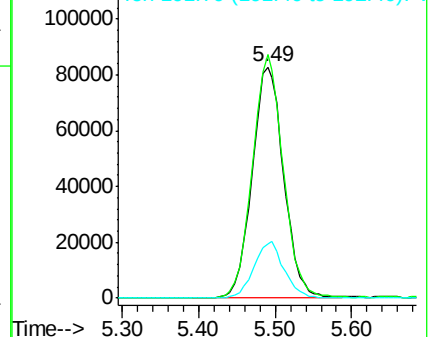
192 23.1 19.3 28.9

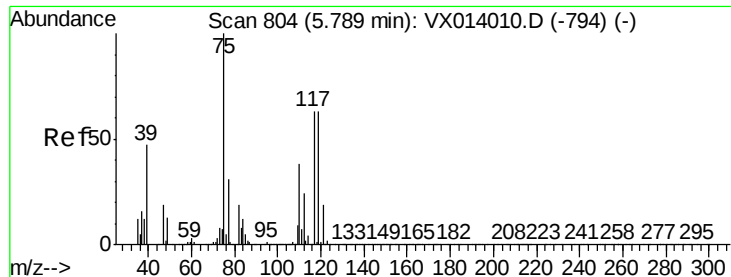


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.853 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX014366.D

Acq: 30 Dec 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

K435-WC-1

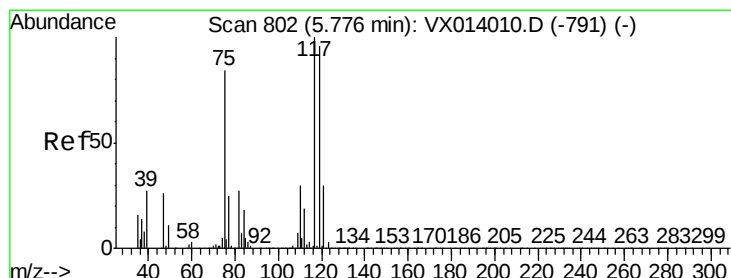
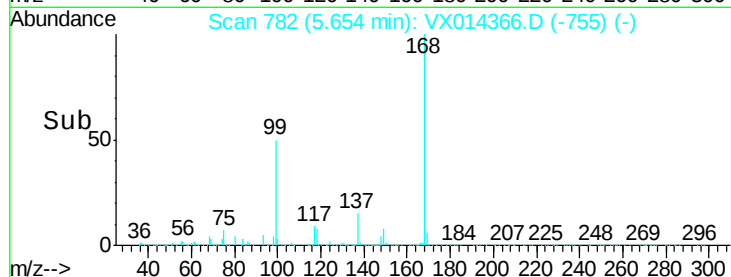
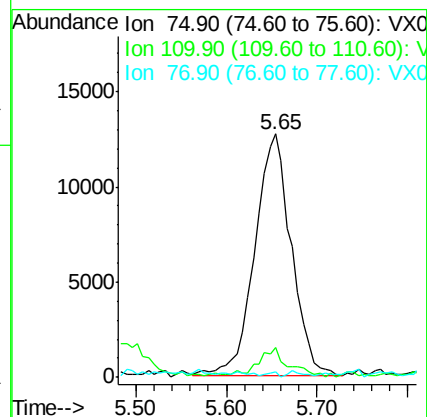
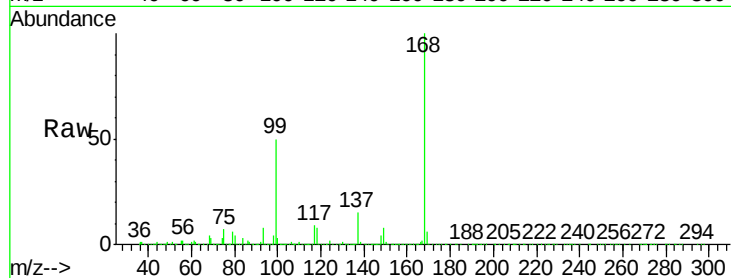
Tot Ion: 75 Resp: 35037

Ion Ratio Lower Upper

75 100

110 10.6 18.3 54.9#

77 0.7 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.738 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014366.D

Acq: 30 Dec 2019 20:03

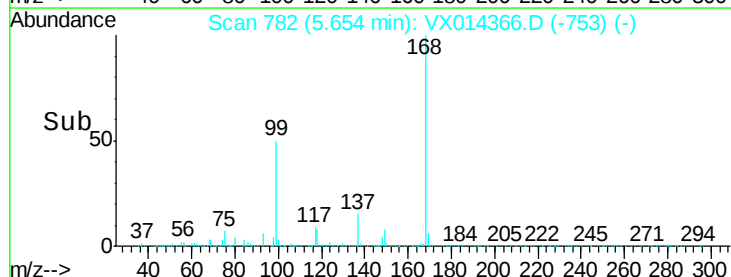
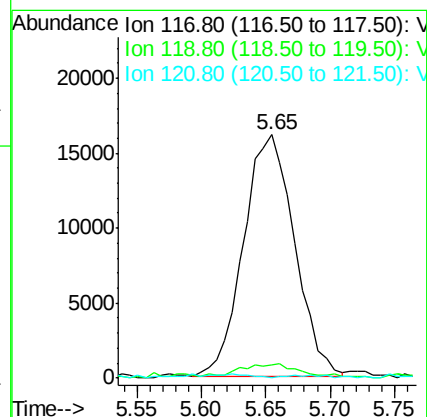
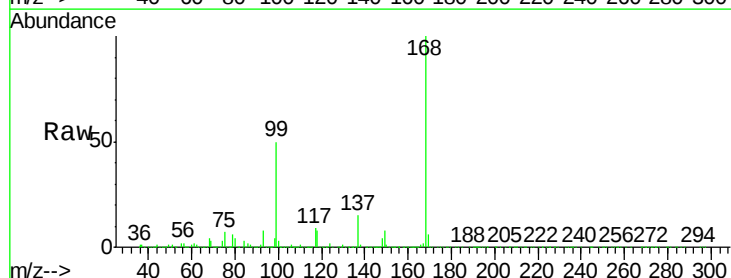
Tgt Ion:117 Resp: 44313

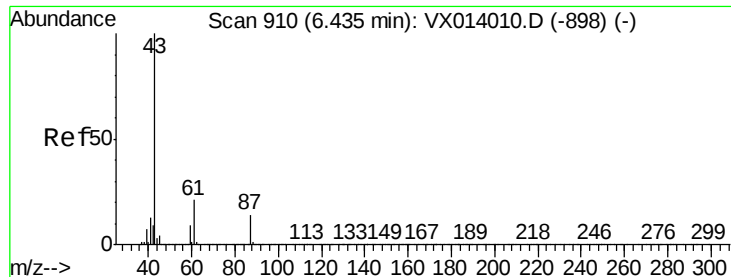
Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.4#

121 0.0 23.6 35.4#



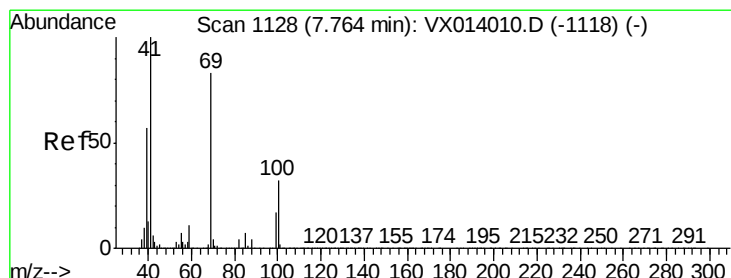
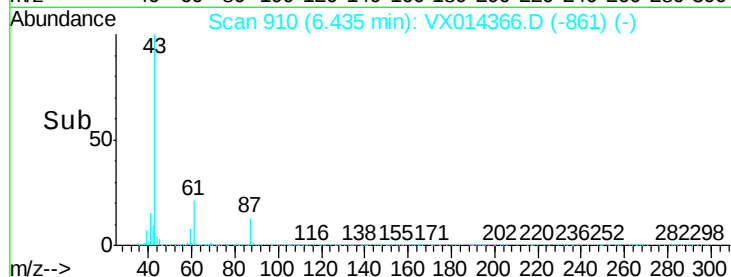
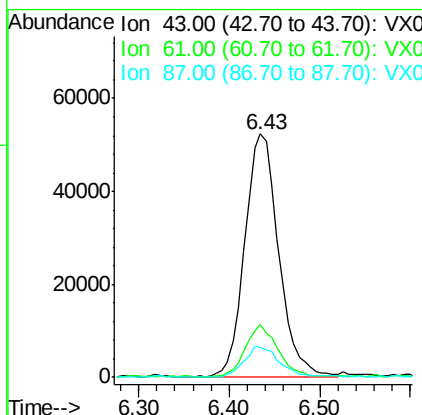
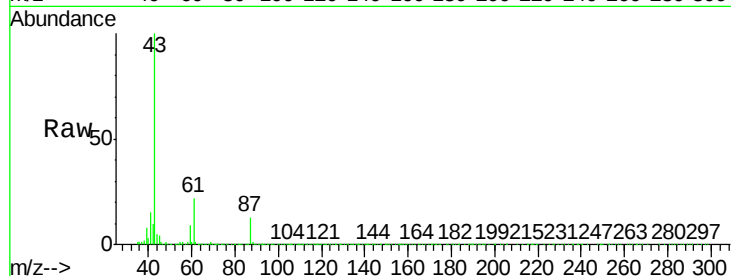


#43

Isopropyl Acetate
 Concen: 10.311 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VX014366.D
 Acq: 30 Dec 2019 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 K435-WC-1

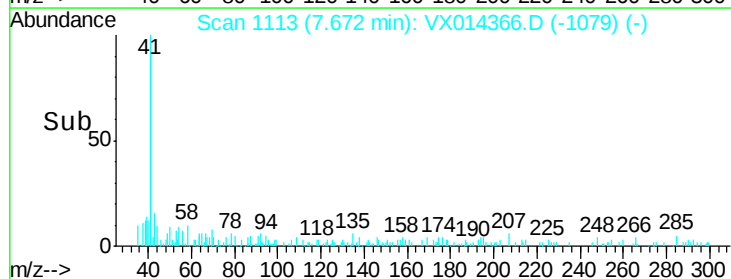
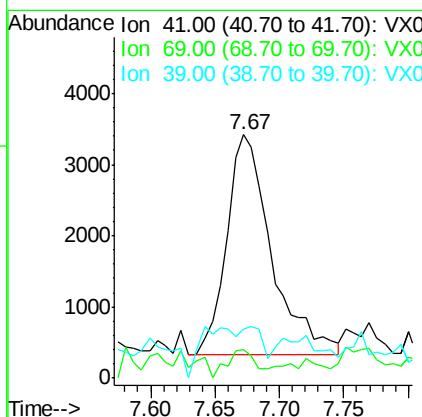
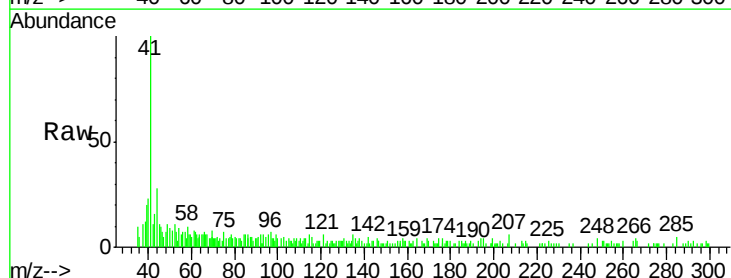
Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.4	24.6
87	13.0	10.7	16.1

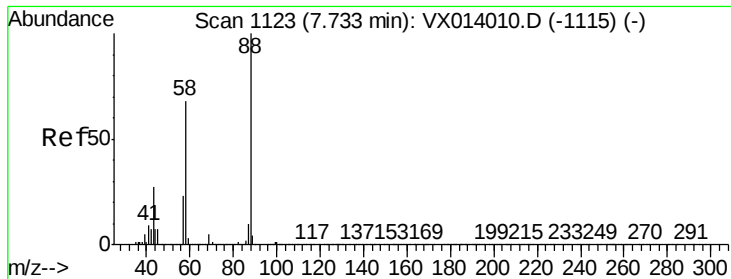


#48

Methyl methacrylate
 Concen: 1.170 ug/l
 RT: 7.67 min Scan# 1113
 Delta R.T. -0.09 min
 Lab File: VX014366.D
 Acq: 30 Dec 2019 20:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	8.4	65.8	98.6#
39	0.0	44.6	67.0#





#49

1,4-Dioxane

Concen: 4.046 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014366.D

Acq: 30 Dec 2019 20:03

Instrument :

MSVOA_X

ClientSampled :

K435-WC-1

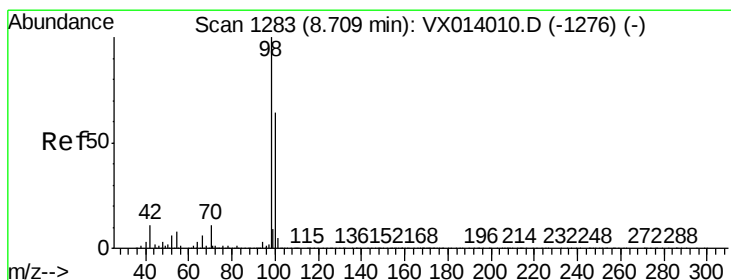
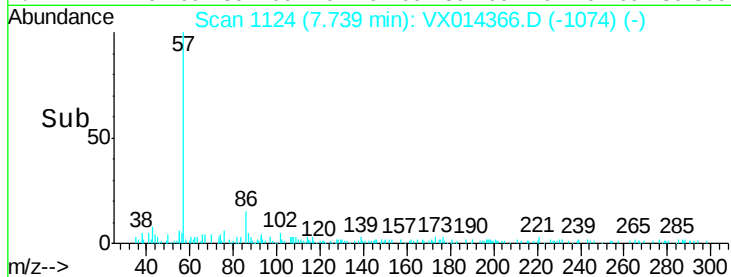
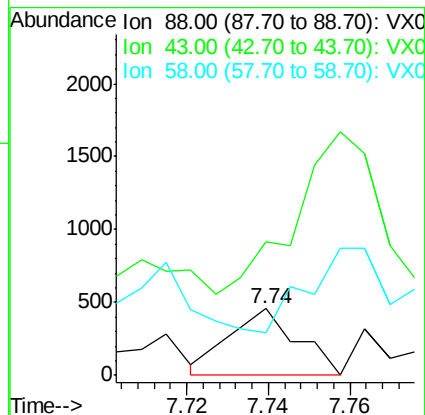
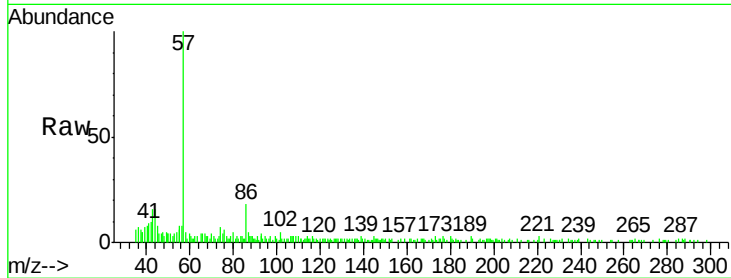
Tot Ion: 88 Resp: 532

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 51.144 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014366.D

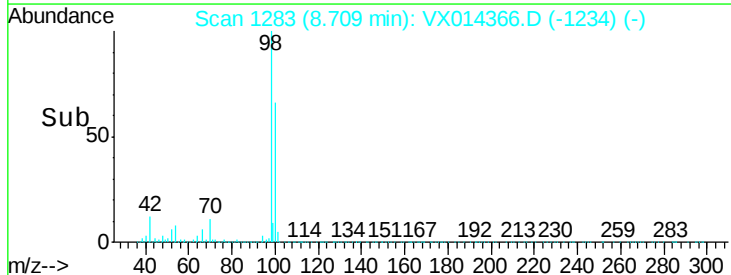
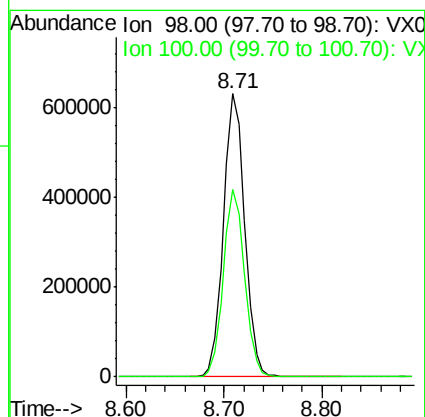
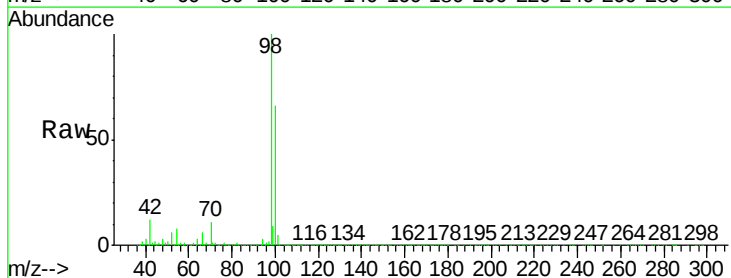
Acq: 30 Dec 2019 20:03

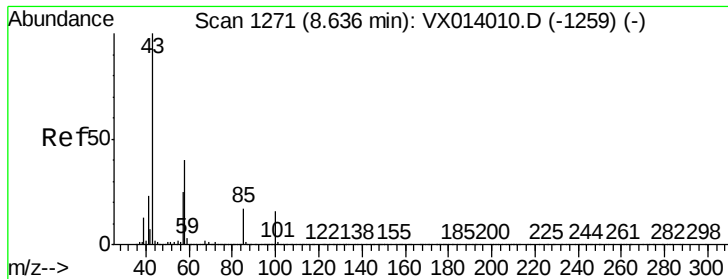
Tgt Ion: 98 Resp: 952345

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 14.775 ug/l

RT: 8.61 min Scan# 1267

Delta R.T. -0.02 min

Lab File: VX014366.D

Acq: 30 Dec 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

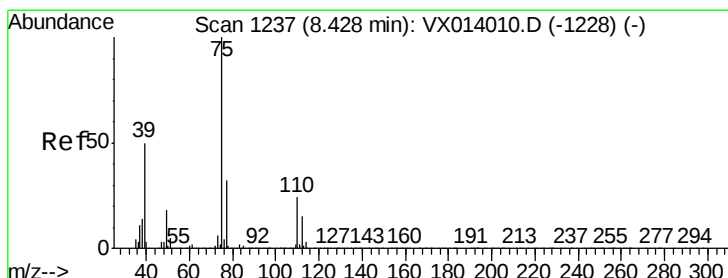
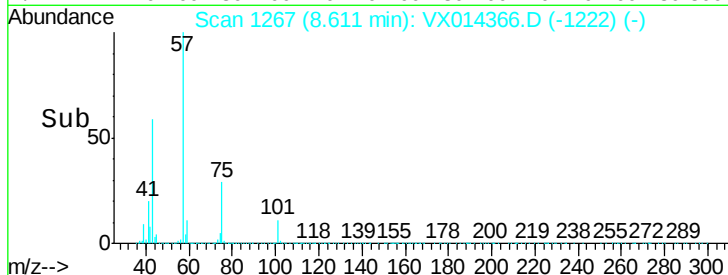
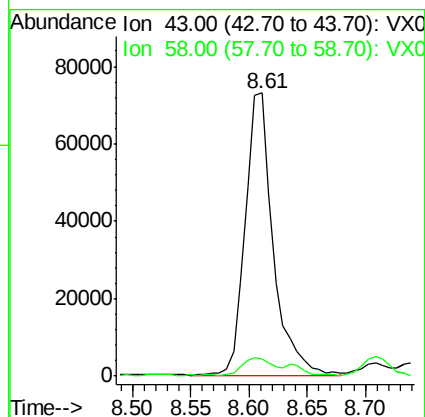
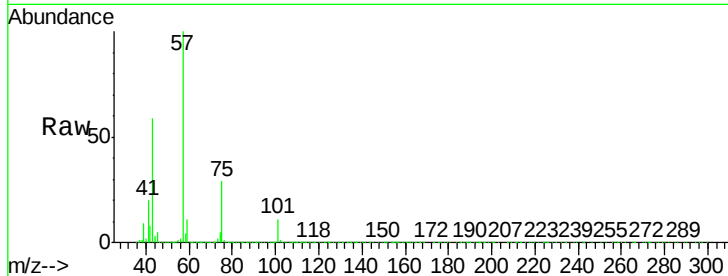
K435-WC-1

Tot Ion: 43 Resp: 122419

Ion Ratio Lower Upper

43 100

58 6.9 32.2 48.2#



#54

cis-1,3-Dichloropropene

Concen: 6.425 ug/l

RT: 8.61 min Scan# 1267

Delta R.T. 0.18 min

Lab File: VX014366.D

Acq: 30 Dec 2019 20:03

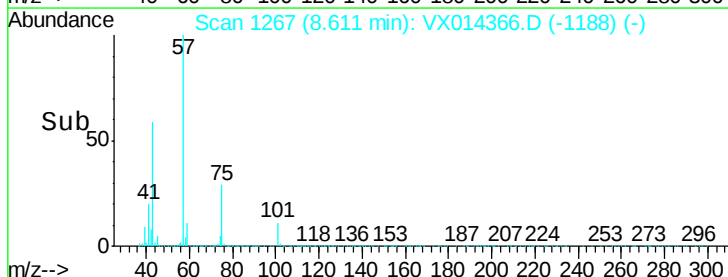
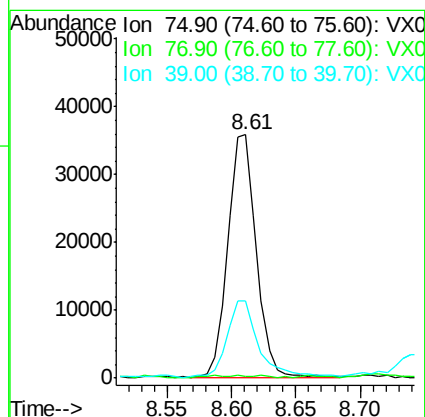
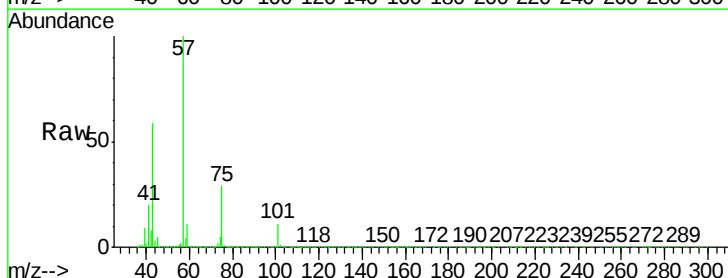
Tgt Ion: 75 Resp: 55639

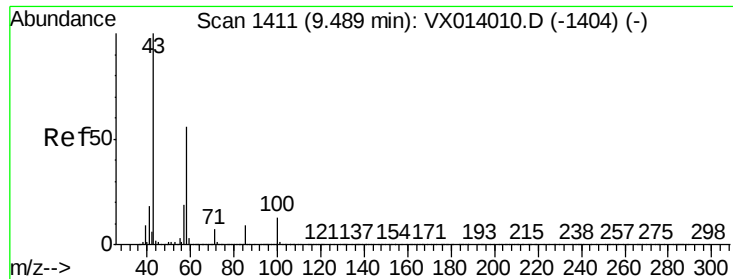
Ion Ratio Lower Upper

75 100

77 0.4 25.3 37.9#

39 30.8 39.9 59.9#

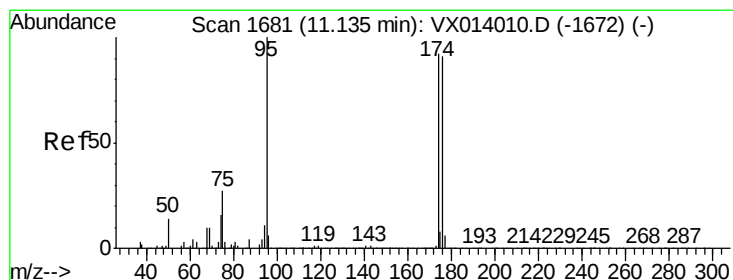
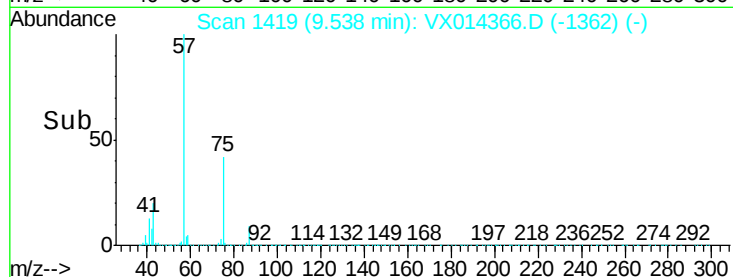
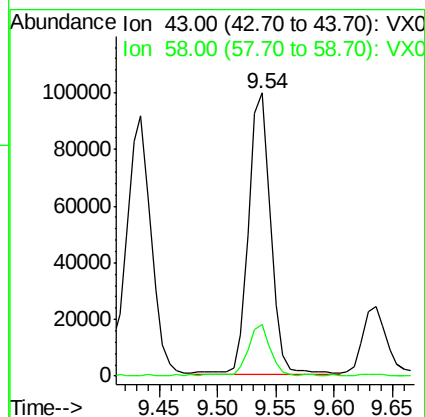
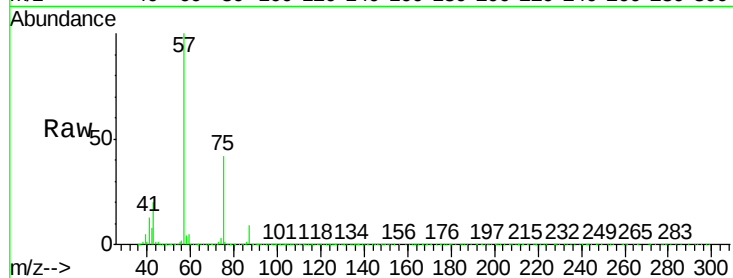




#59
2-Hexanone
Concen: 20.250 ug/l
RT: 9.54 min Scan# 1419
Delta R.T. 0.05 min
Lab File: VX014366.D
Acq: 30 Dec 2019 20:03

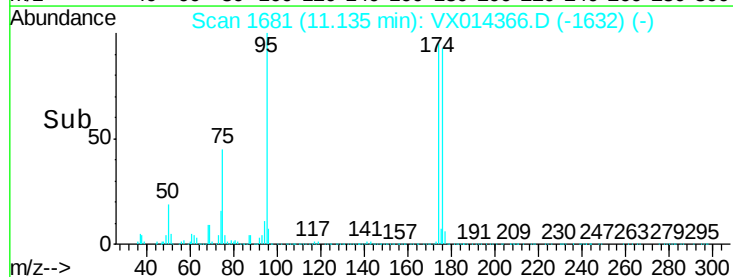
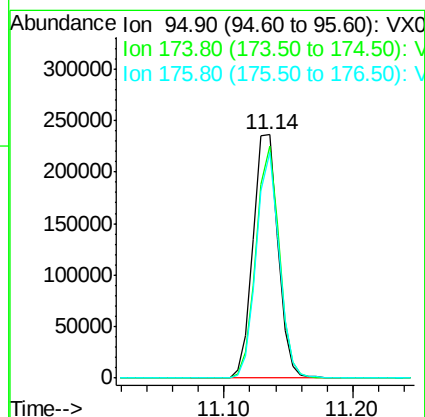
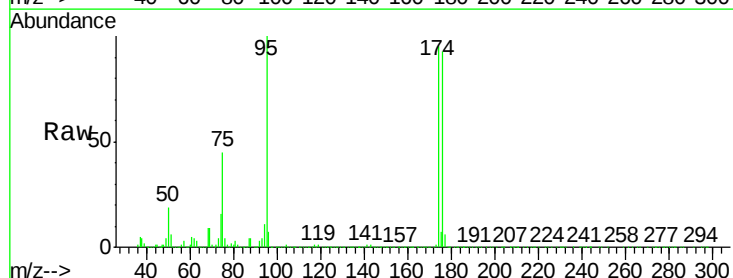
Instrument :
MSVOA_X
ClientSampled :
K435-WC-1

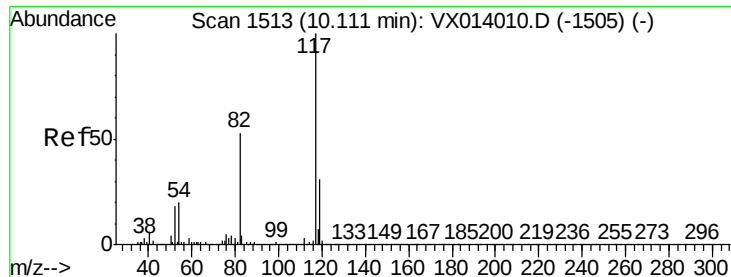
Tot Ion: 43 Resp: 135067
Ion Ratio Lower Upper
43 100
58 17.6 28.0 84.0#



#62
4-Bromofluorobenzene
Concen: 45.929 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX014366.D
Acq: 30 Dec 2019 20:03

Tgt Ion: 95 Resp: 312630
Ion Ratio Lower Upper
95 100
174 89.4 0.0 175.8
176 85.7 0.0 173.0

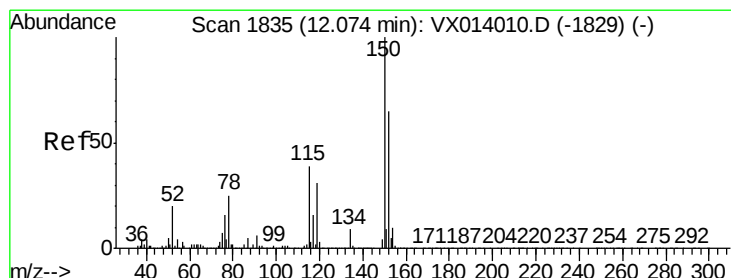
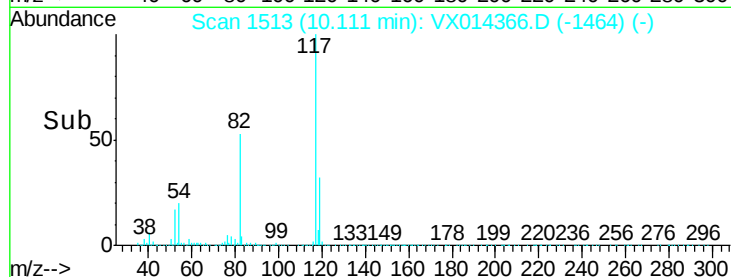
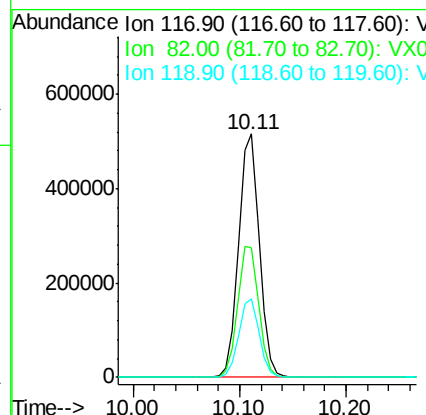
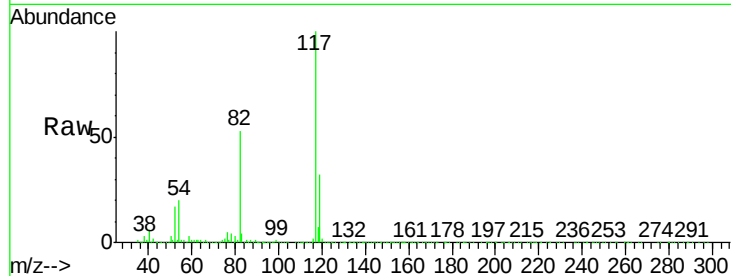




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014366.D
Acq: 30 Dec 2019 20:03

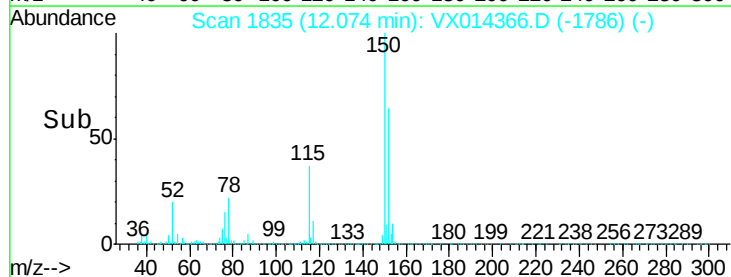
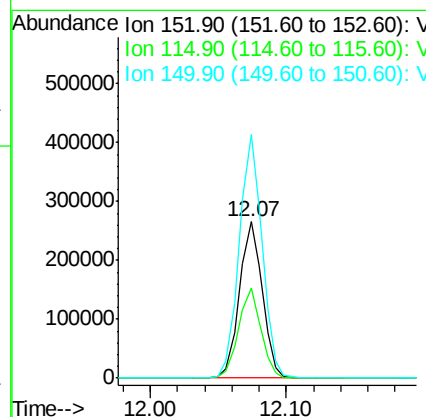
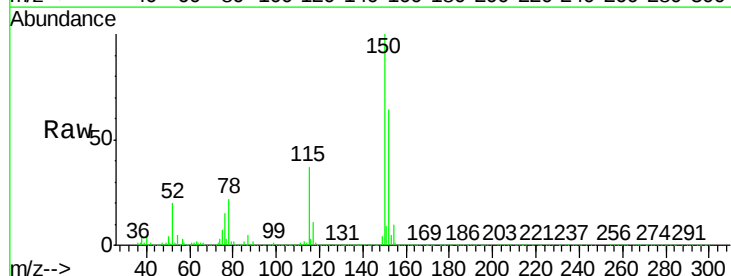
Instrument :
MSVOA_X
ClientSampleId :
K435-WC-1

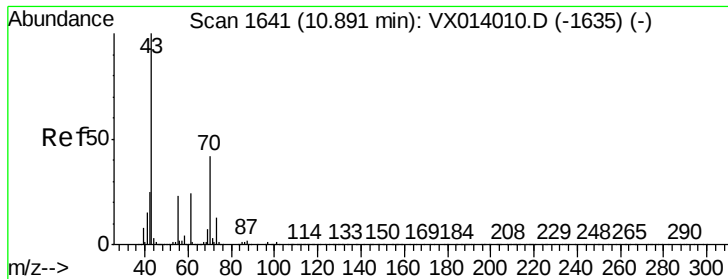
Tot Ion:117 Resp: 707992
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.4
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014366.D
Acq: 30 Dec 2019 20:03

Tgt Ion:152 Resp: 309533
Ion Ratio Lower Upper
152 100
115 56.8 38.3 114.9
150 156.8 0.0 345.4





#74

N-amvl acetate

Concen: 0.608 ug/l

RT: 10.82 min Scan# 1630

Delta R.T. -0.07 min

Lab File: VX014366.D

Acq: 30 Dec 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

K435-WC-1

Tot Ion: 43 Resp: 6212

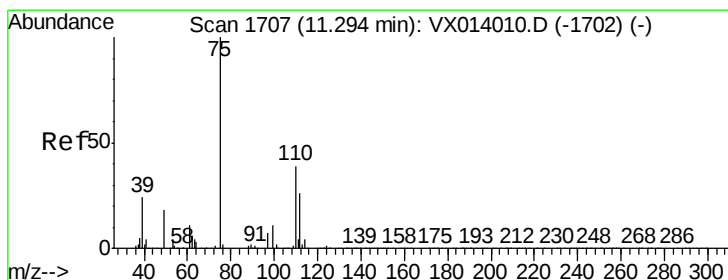
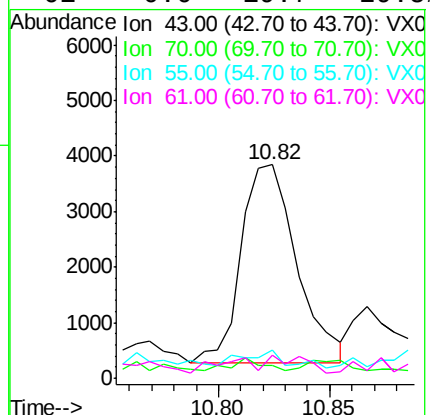
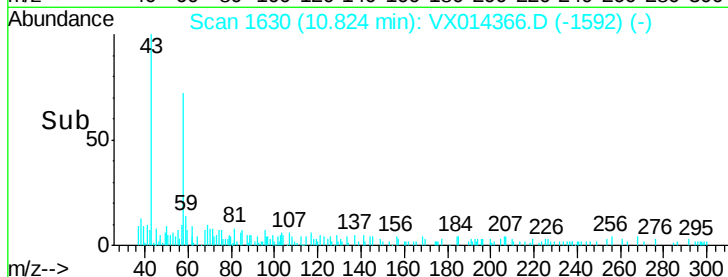
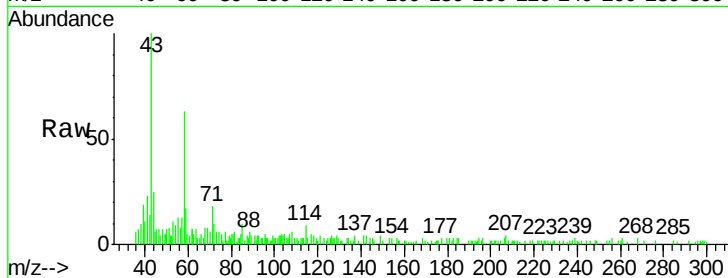
Ion Ratio Lower Upper

43 100

70 4.2 34.4 51.6#

55 7.1 19.1 28.7#

61 0.0 19.7 29.5#



#76

1,2,3-Trichloropropane

Concen: 22.559 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014366.D

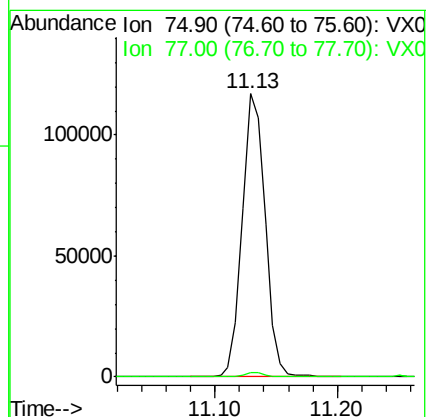
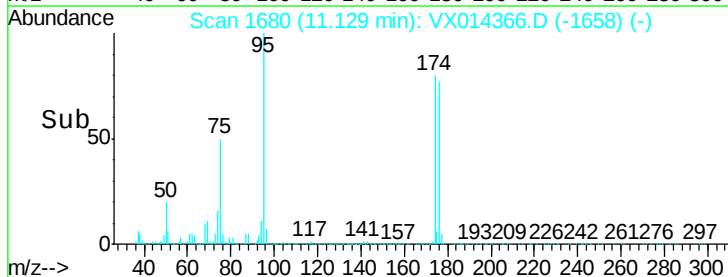
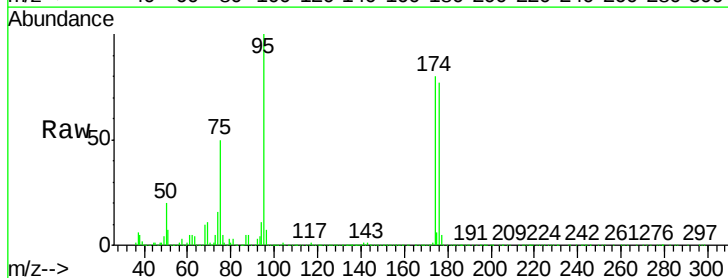
Acq: 30 Dec 2019 20:03

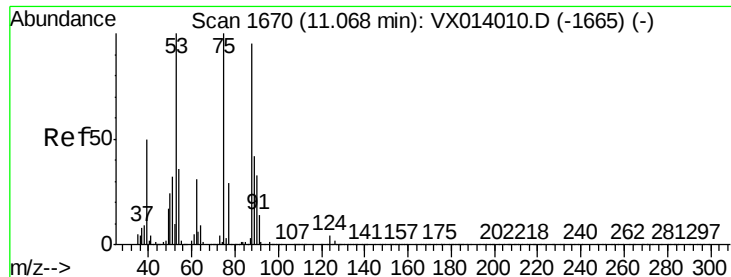
Tgt Ion: 75 Resp: 151597

Ion Ratio Lower Upper

75 100

77 1.5 19.3 57.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 63.674 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014366.D

Acq: 30 Dec 2019 20:03

Instrument :

MSVOA_X

ClientSampleId :

K435-WC-1

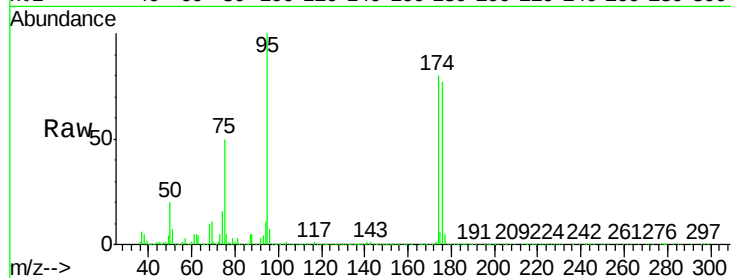
Tot Ion: 75 Resp: 151597

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.2 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

