

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO010320\
 Data File : VX014403.D
 Acq On : 03 Jan 2020 16:13
 Operator : JC/SP
 Sample : K6476-08
 Misc : 6.80uL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 06 02:33:07 2020
 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	540111	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	819118	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	728557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	346242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	288000	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
35) Dibromofluoromethane	5.50	113	230211	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
50) Toluene-d8	8.71	98	977067	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.14	95	332936	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	

Target Compounds

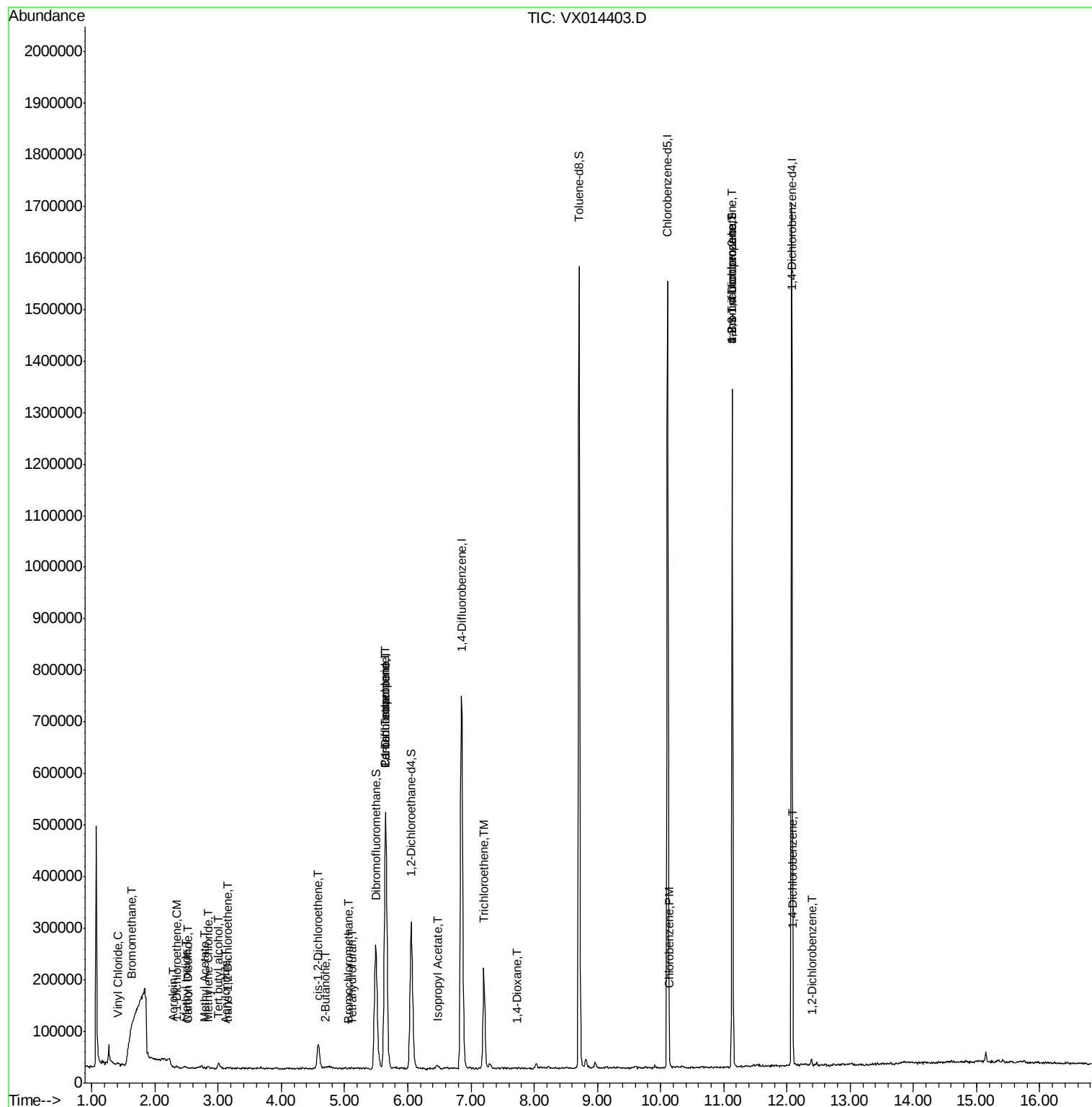
						Qvalue
4) Vinyl Chloride	1.40	62	3134	0.458	ug/l	99
5) Bromomethane	1.63	94	2811	0.579	ug/l	96
10) Methyl Iodide	2.49	142	1566	2.841	ug/l #	43
11) Tert butyl alcohol	3.01	59	8950	6.766	ug/l #	72
12) 1,1-Dichloroethene	2.34	96	2771	0.533	ug/l #	61
13) Acrolein	2.29	56	719	0.950	ug/l #	29
15) Acrylonitrile	3.11	53	913	0.296	ug/l #	47
17) Carbon Disulfide	2.53	76	796	0.805	ug/l #	1
18) Methyl Acetate	2.78	43	2946	0.374	ug/l #	80
20) Methylene Chloride	2.84	84	2957	0.473	ug/l #	85
21) trans-1,2-Dichloroethene	3.15	96	1328	0.232	ug/l #	61
25) 2-Butanone	4.70	43	10096	2.061	ug/l #	79
27) cis-1,2-Dichloroethene	4.58	96	34322	5.302	ug/l	94
28) Bromochloromethane	5.05	49	542	0.590	ug/l #	55
29) Tetrahydrofuran	5.13	42	597	0.218	ug/l #	61
36) 1,1-Dichloropropene	5.65	75	35368	4.706	ug/l #	41
38) Carbon Tetrachloride	5.65	117	47712	6.968	ug/l #	15
43) Isopropyl Acetate	6.47	43	3589	0.261	ug/l #	71
44) Trichloroethene	7.20	130	84458	13.222	ug/l	99
49) 1,4-Dioxane	7.73	88	303	2.214	ug/l #	1
65) Chlorobenzene	10.14	112	3547	0.229	ug/l	89
76) 1,2,3-Trichloropropane	11.14	75	163286	21.723	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	163286	61.313	ug/l #	12
88) 1,4-Dichlorobenzene	12.10	146	4551	0.381	ug/l #	53
91) 1,2-Dichlorobenzene	12.39	146	4191	0.354	ug/l	95

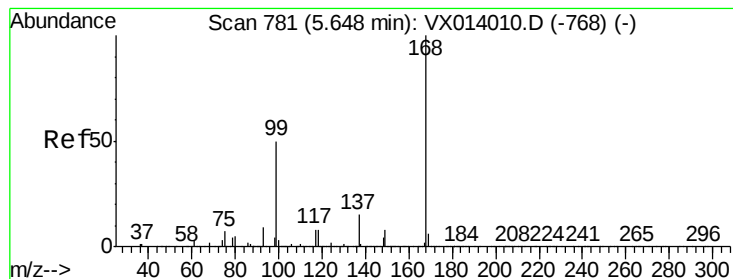
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010320\
Data File : VX014403.D
Acq On : 03 Jan 2020 16:13
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 06 02:33:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
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# 781

Delta R.T. 0.00 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

Instrument :

MSVOA_X

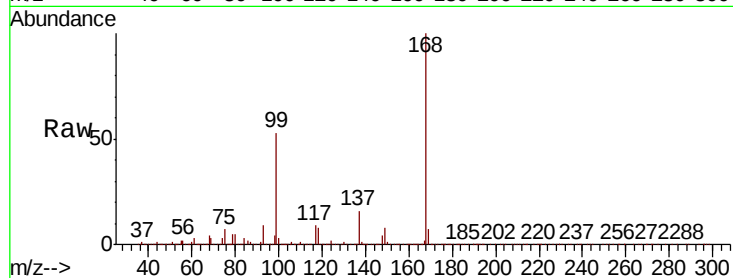
ClientSampleId :

Tot Ion:168 Resp: 540111

Ion Ratio Lower Upper

168 100

99 52.9 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

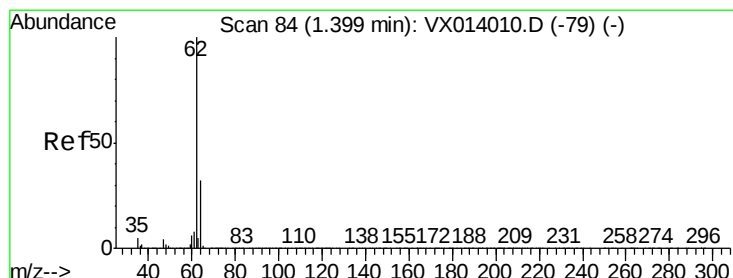
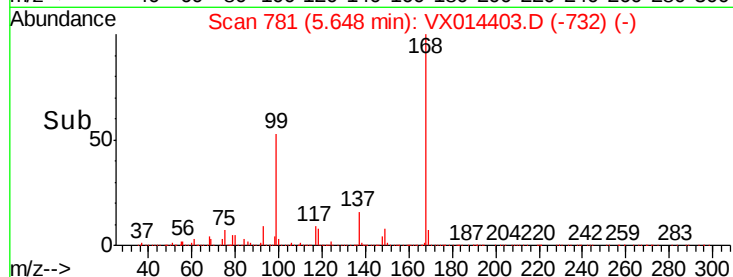
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.458 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014403.D

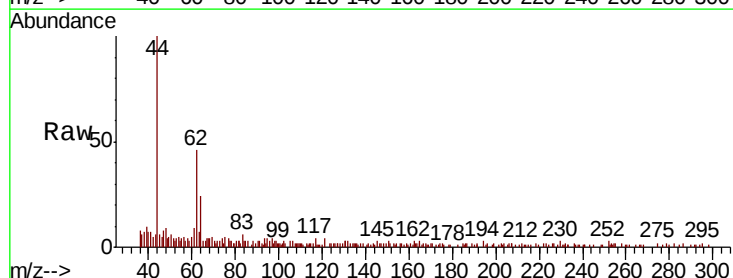
Acq: 03 Jan 2020 16:13

Tgt Ion: 62 Resp: 3134

Ion Ratio Lower Upper

62 100

64 31.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

2500

2000

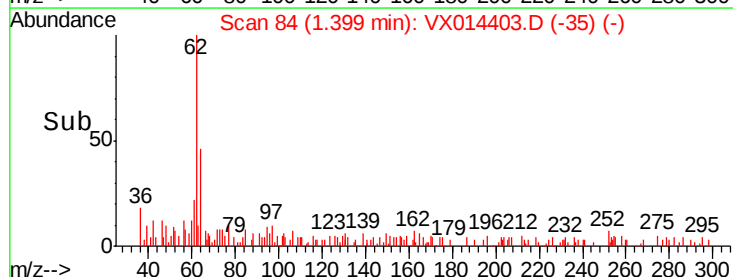
1500

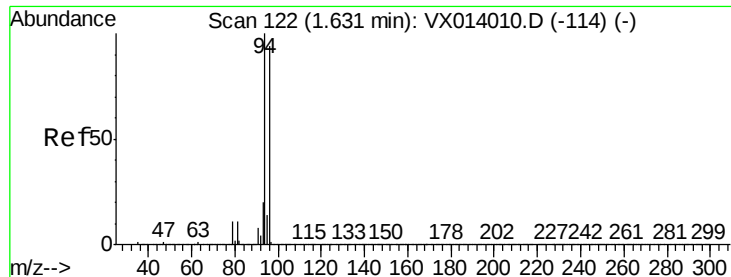
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.579 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

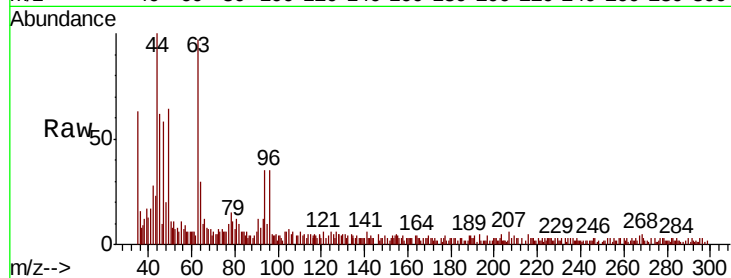
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 2811

Ion Ratio Lower Upper

94 100

96 98.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX014010.D (-114) (-)

Ion 95.90 (95.60 to 96.60): VX014010.D (-114) (-)

1.63

2000

1500

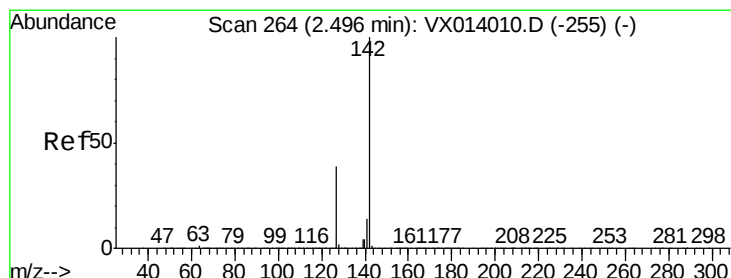
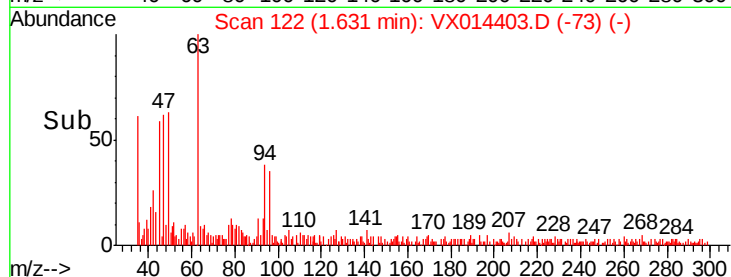
1000

500

0

1.60 1.65 1.70

Time-->



#10

Methyl Iodide

Concen: 2.841 ug/l

RT: 2.49 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

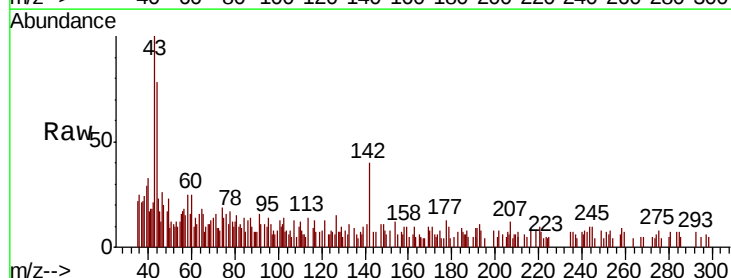
Tgt Ion: 142 Resp: 1566

Ion Ratio Lower Upper

142 100

127 0.0 31.6 47.4#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): VX014010.D (-255) (-)

Ion 126.80 (126.50 to 127.50): VX014010.D (-255) (-)

Ion 140.80 (140.50 to 141.50): VX014010.D (-255) (-)

2.49

600

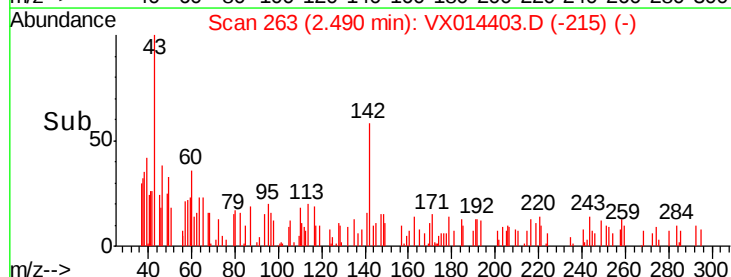
400

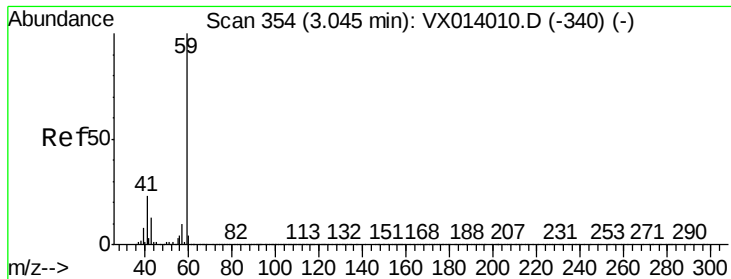
200

0

2.40 2.45 2.50 2.55 2.60

Time-->



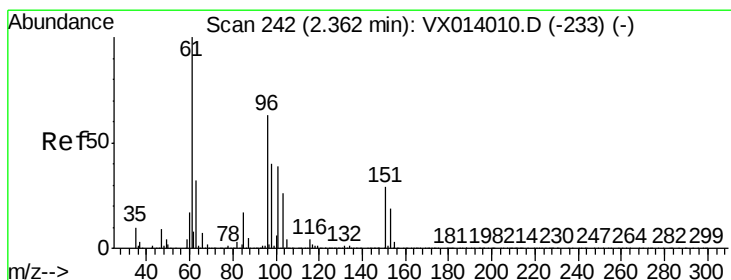
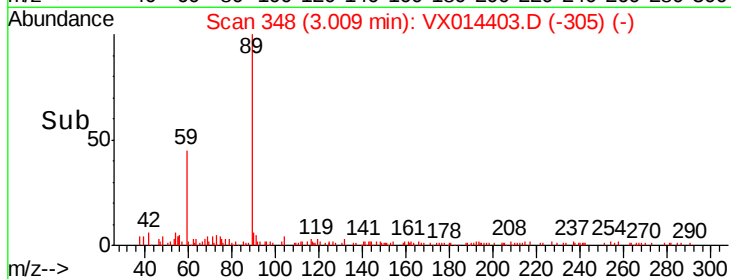
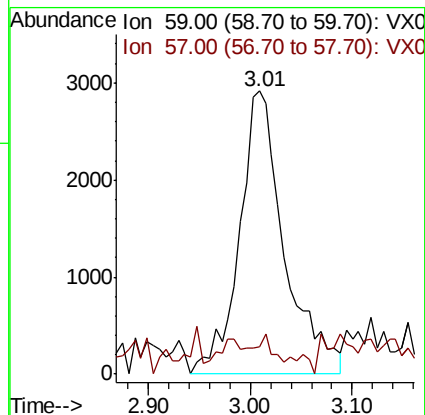
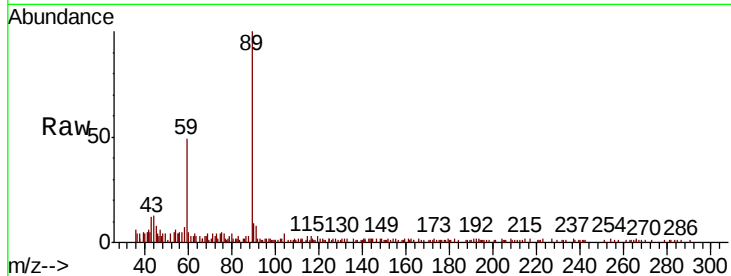


#11

Tert butyl alcohol
 Concen: 6.766 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.04 min
 Lab File: VX014403.D
 Acq: 03 Jan 2020 16:13

Instrument :
 MSVOA_X
 ClientSampleId :

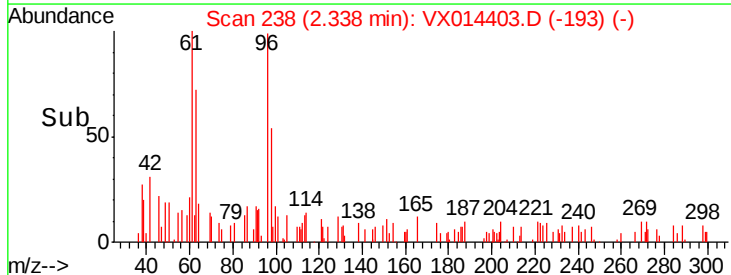
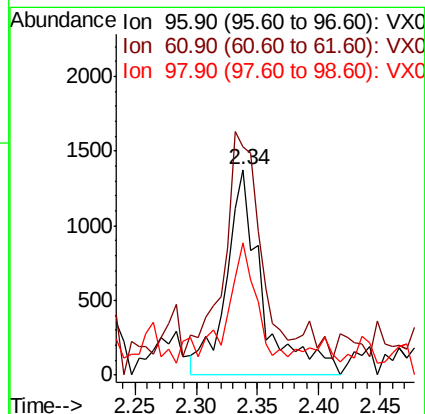
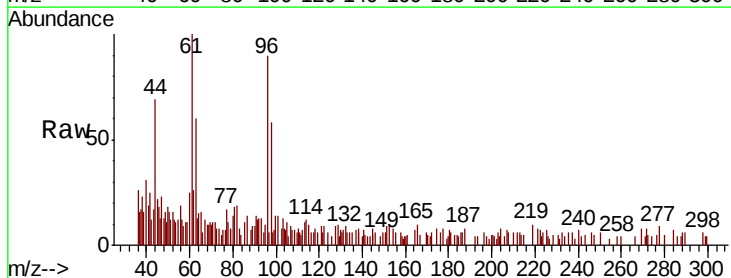
Tot Ion: 59 Resp: 8950
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

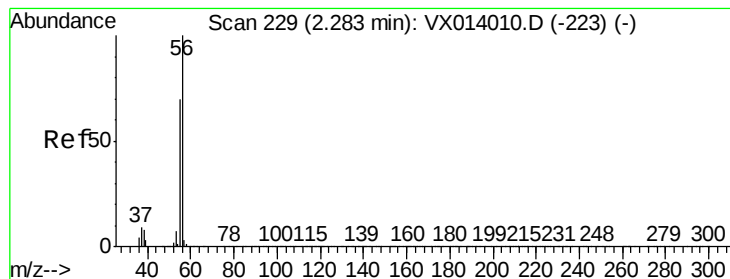


#12

1,1-Dichloroethene
 Concen: 0.533 ug/l
 RT: 2.34 min Scan# 238
 Delta R.T. -0.02 min
 Lab File: VX014403.D
 Acq: 03 Jan 2020 16:13

Tgt Ion: 96 Resp: 2771
 Ion Ratio Lower Upper
 96 100
 61 92.0 127.9 191.9#
 98 58.3 50.5 75.7





#13

Acrolein

Concen: 0.950 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

Instrument :

MSVOA_X

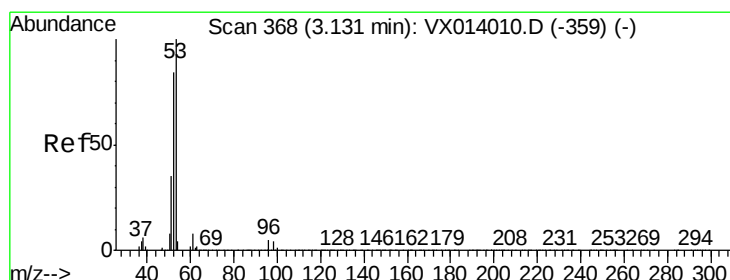
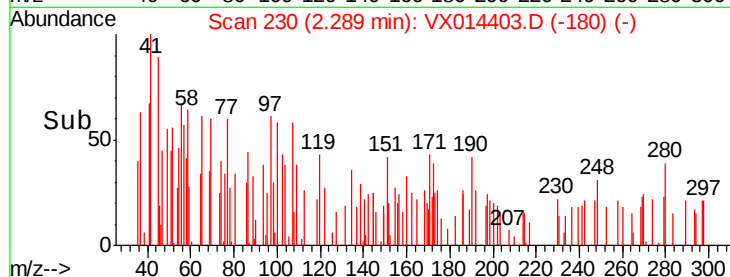
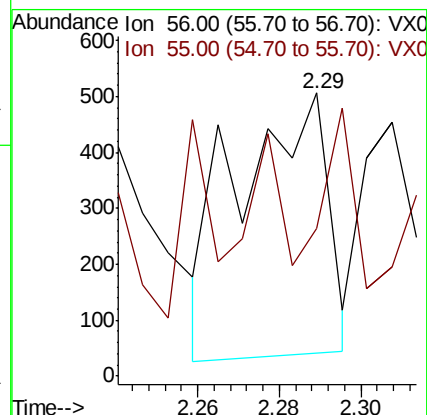
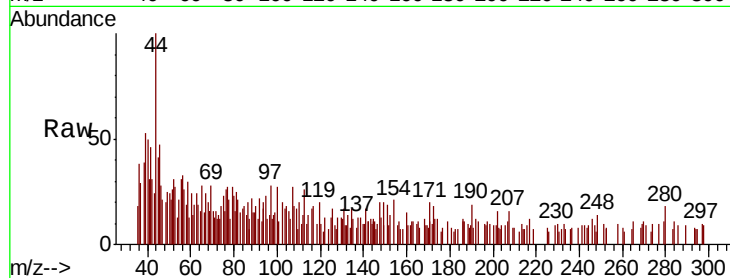
ClientSampled :

Tot Ion: 56 Resp: 719

Ion Ratio Lower Upper

56 100

55 12.0 56.9 85.3#



#15

Acrylonitrile

Concen: 0.296 ug/l

RT: 3.11 min Scan# 365

Delta R.T. -0.02 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

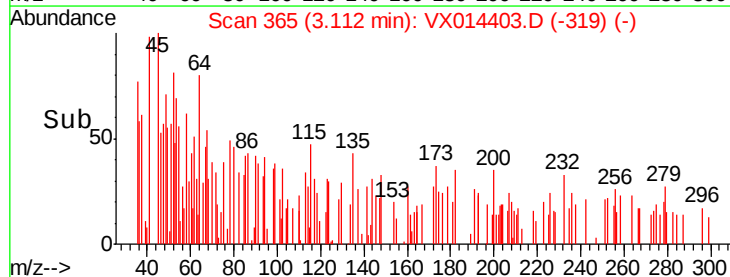
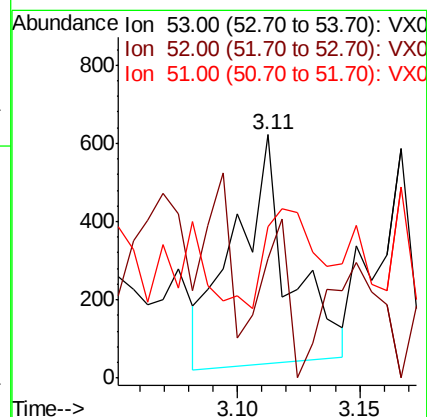
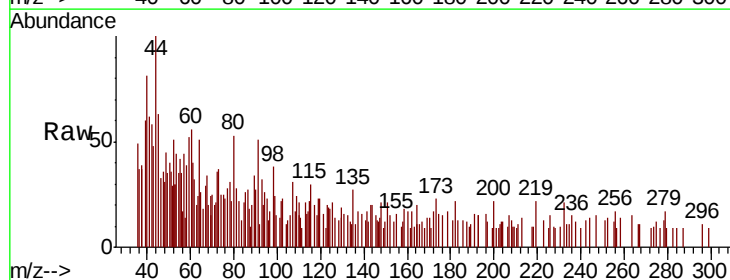
Tgt Ion: 53 Resp: 913

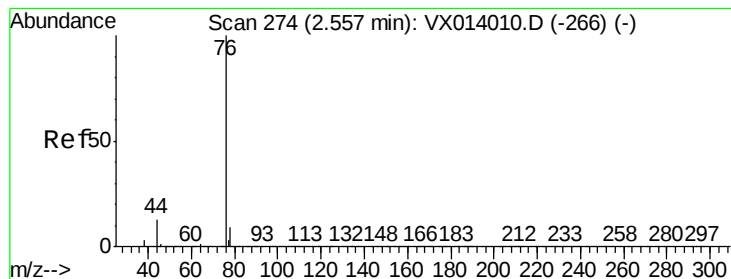
Ion Ratio Lower Upper

53 100

52 17.9 66.5 99.7#

51 38.6 28.1 42.1





#17

Carbon Disulfide

Concen: 0.805 ug/l

RT: 2.53 min Scan# 269

Delta R.T. -0.03 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

Instrument :

MSVOA_X

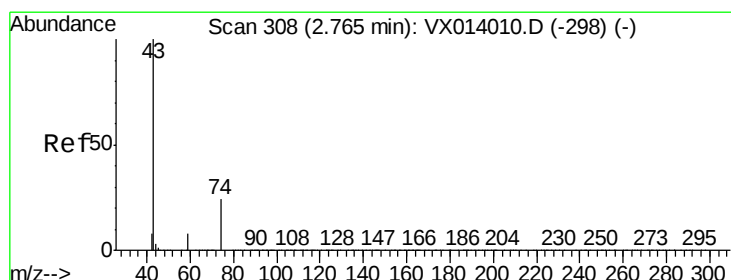
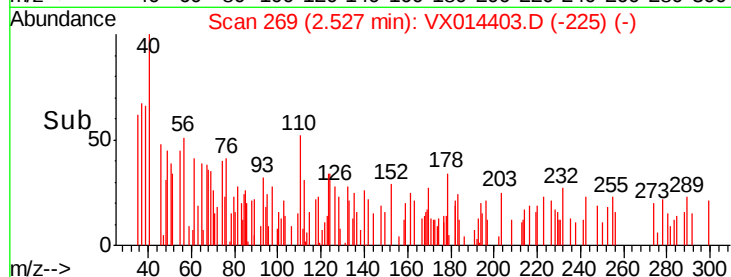
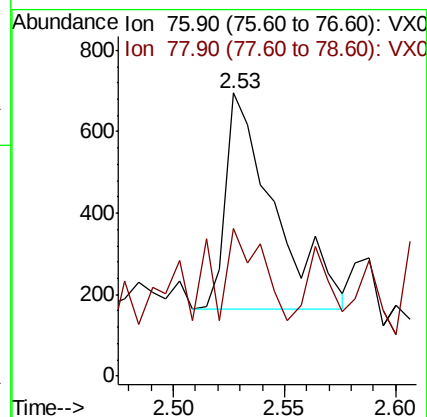
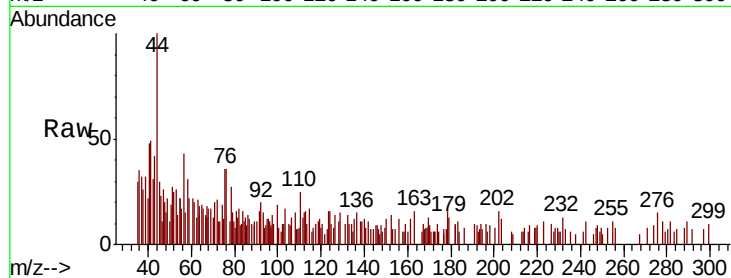
ClientSampleId :

Tot Ion: 76 Resp: 796

Ion Ratio Lower Upper

76 100

78 46.3 7.2 10.8#



#18

Methyl Acetate

Concen: 0.374 ug/l

RT: 2.78 min Scan# 310

Delta R.T. 0.01 min

Lab File: VX014403.D

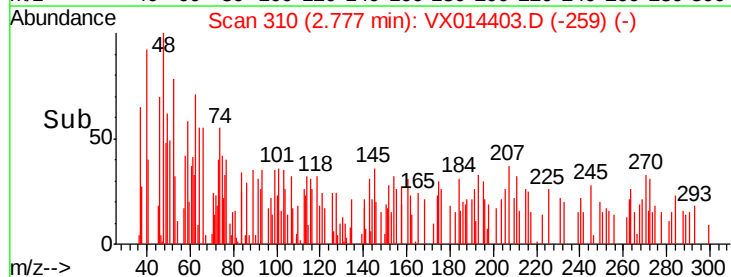
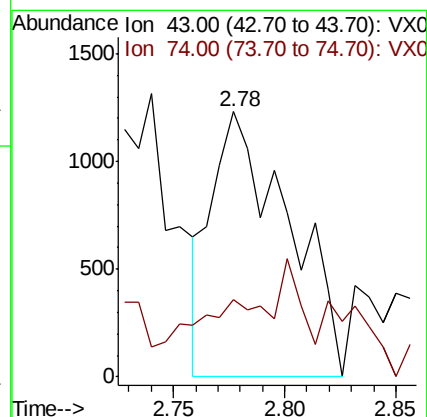
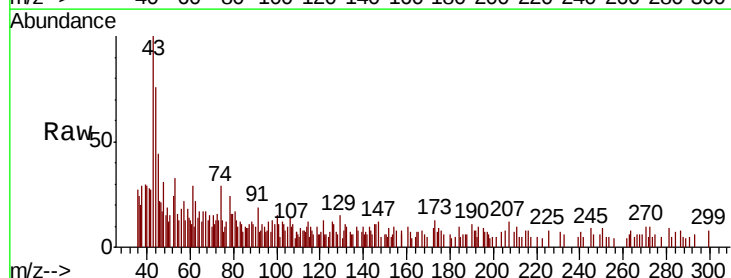
Acq: 03 Jan 2020 16:13

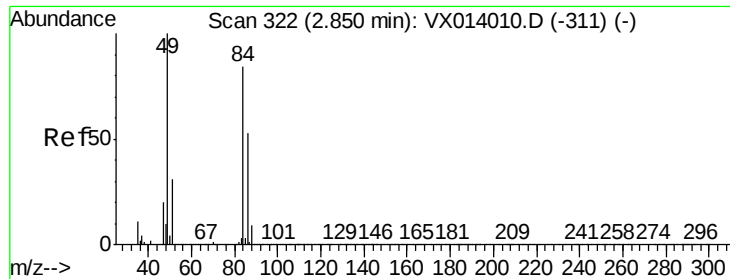
Tgt Ion: 43 Resp: 2946

Ion Ratio Lower Upper

43 100

74 14.7 19.5 29.3#

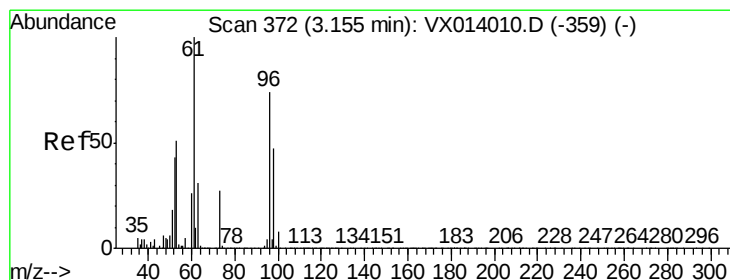
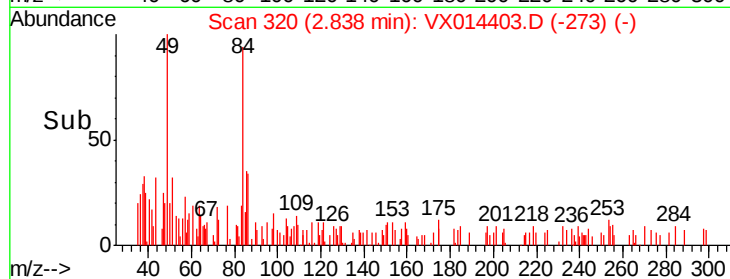
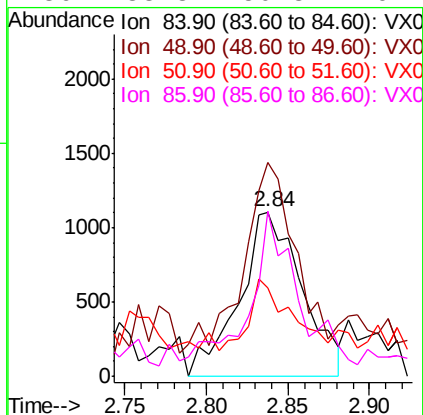
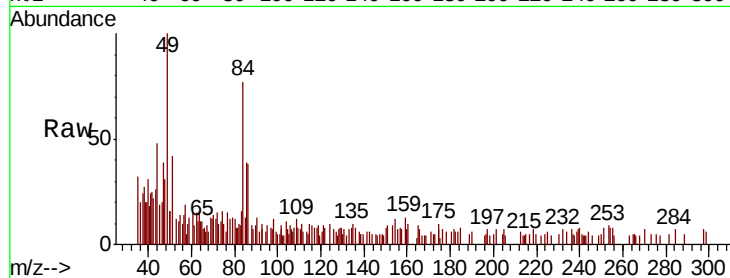




#20
Methvlene Chloride
Concen: 0.473 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX014403.D
Acq: 03 Jan 2020 16:13

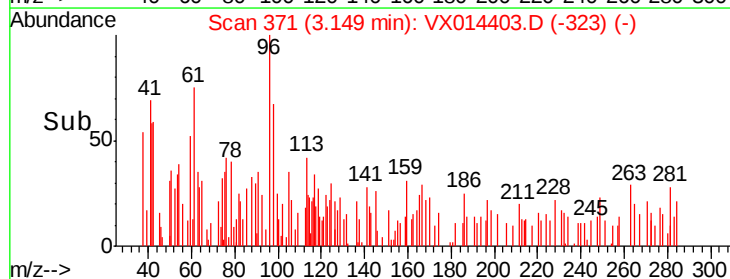
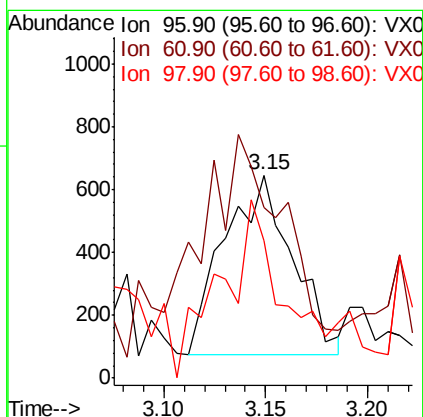
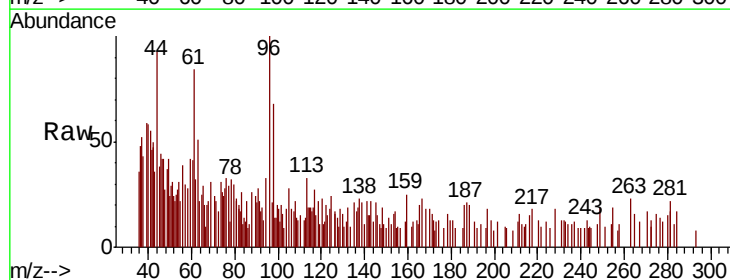
Instrument :
MSVOA_X
ClientSampleId :

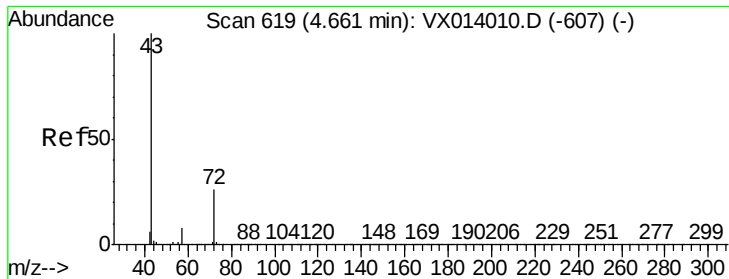
Tot Ion:	84	Resp:	2957
Ion	Ratio	Lower	Upper
84	100		
49	110.4	95.8	143.6
51	32.9	29.8	44.8
86	88.8	50.8	76.2#



#21
trans-1,2-Dichloroethene
Concen: 0.232 ug/l
RT: 3.15 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX014403.D
Acq: 03 Jan 2020 16:13

Tgt Ion:	96	Resp:	1328
Ion	Ratio	Lower	Upper
96	100		
61	68.6	108.3	162.5#
98	61.9	50.8	76.2





#25

2-Butanone

Concen: 2.061 ug/l

RT: 4.70 min Scan# 626

Delta R.T. 0.04 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

Instrument :

MSVOA_X

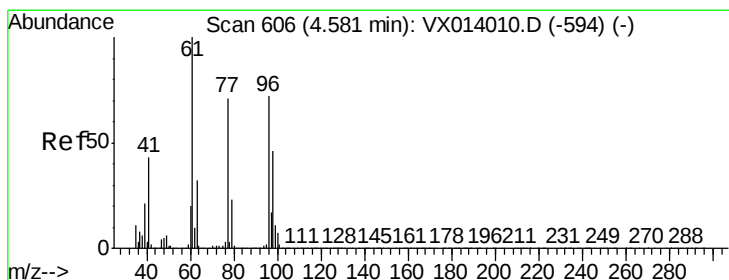
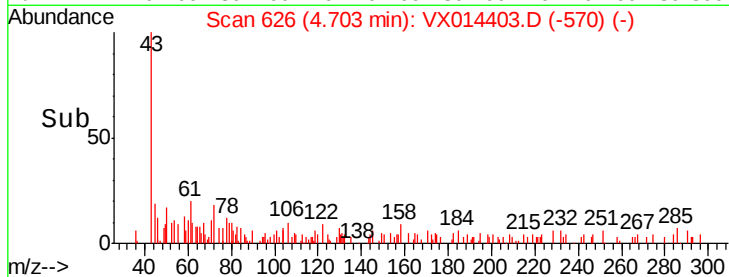
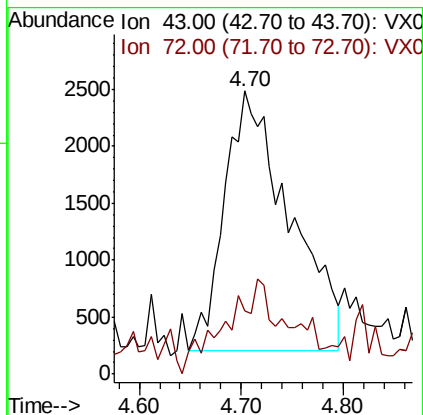
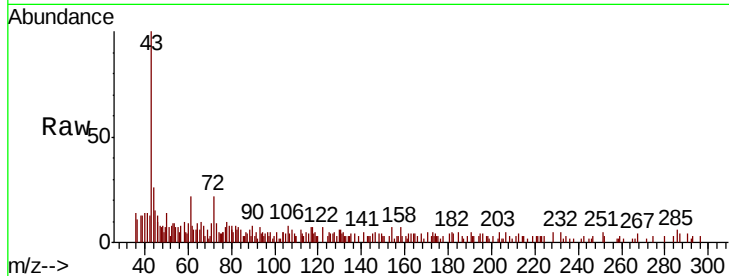
ClientSampled :

Tot Ion: 43 Resp: 10096

Ion Ratio Lower Upper

43 100

72 15.7 21.0 31.4#



#27

cis-1,2-Dichloroethene

Concen: 5.302 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

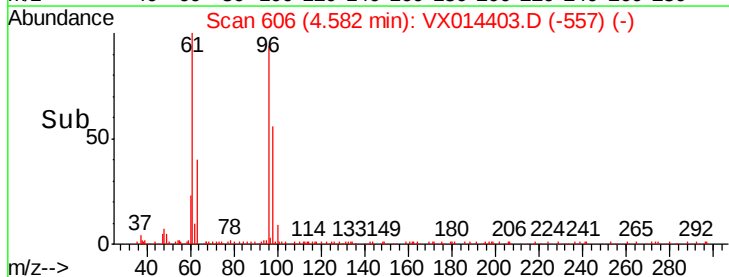
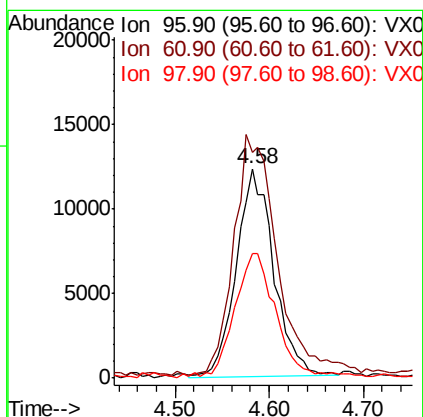
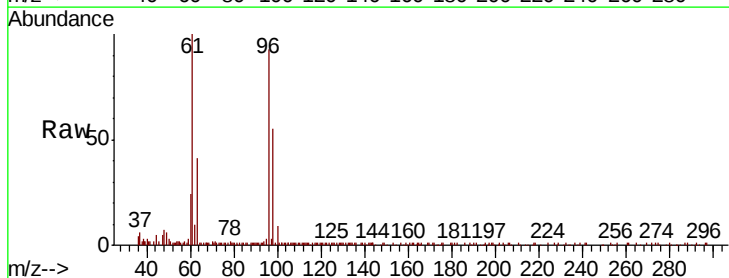
Tgt Ion: 96 Resp: 34322

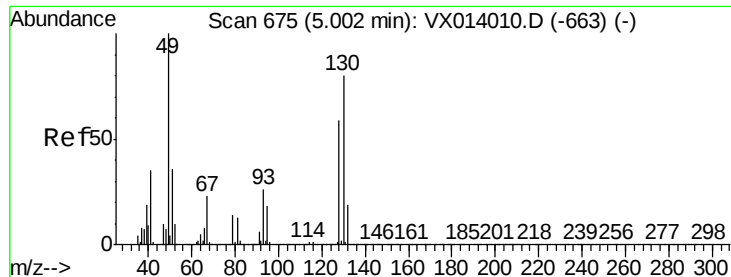
Ion Ratio Lower Upper

96 100

61 134.9 0.0 288.4

98 62.7 0.0 129.6





#28

Bromochloromethane

Concen: 0.590 ug/l

RT: 5.05 min Scan# 683

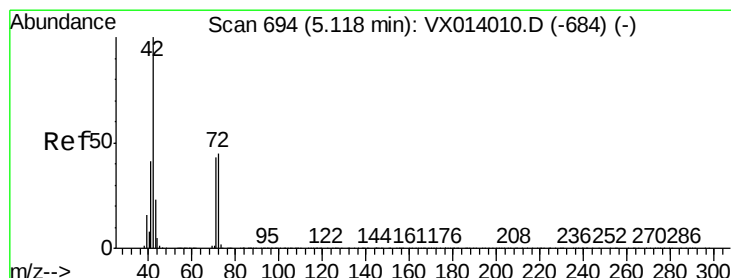
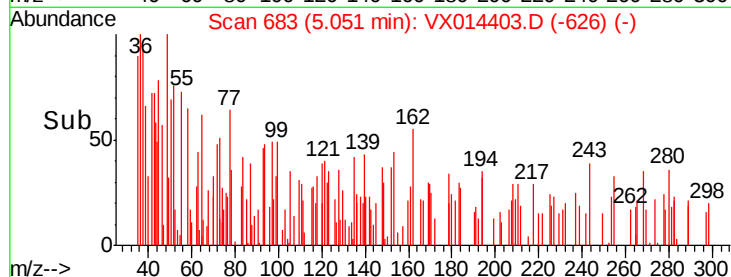
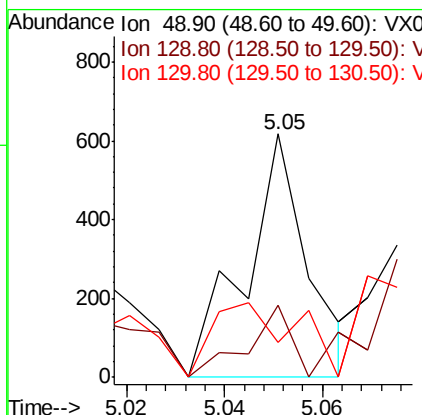
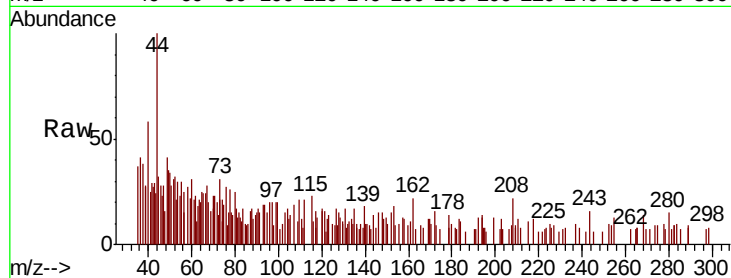
Delta R.T. 0.05 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 49 Resp: 542
Ion Ratio Lower Upper
49 100
129 20.7 0.0 5.0#
130 41.1 64.6 97.0#



#29

Tetrahydrofuran

Concen: 0.218 ug/l

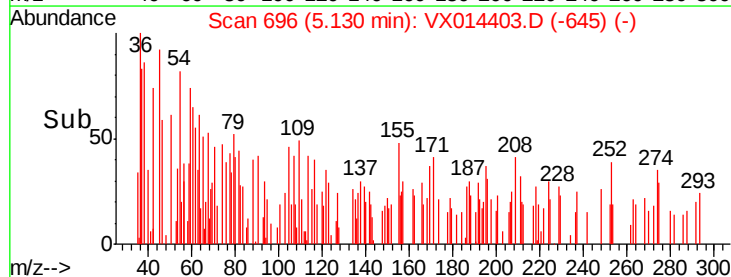
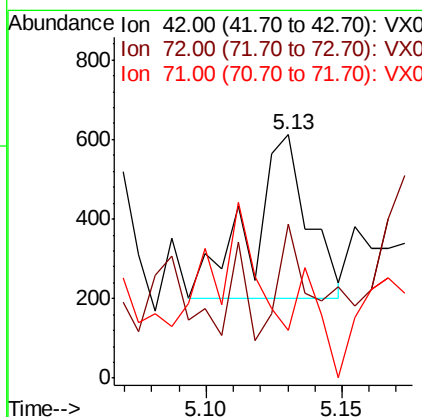
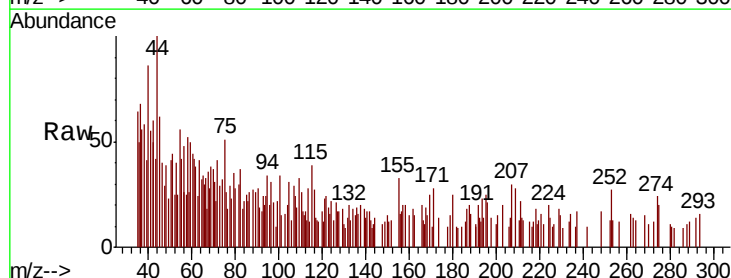
RT: 5.13 min Scan# 696

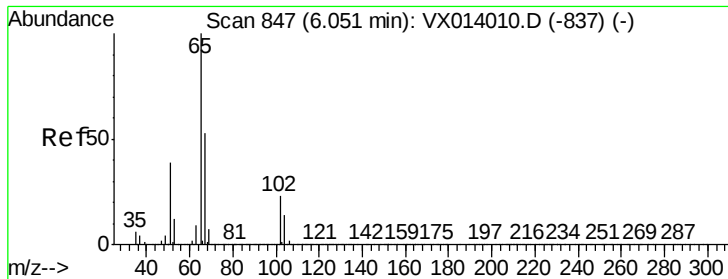
Delta R.T. 0.01 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

Tgt Ion: 42 Resp: 597
Ion Ratio Lower Upper
42 100
72 35.7 35.8 53.8#
71 0.0 33.6 50.4#

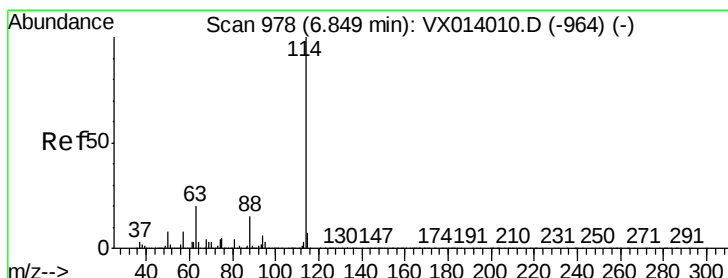
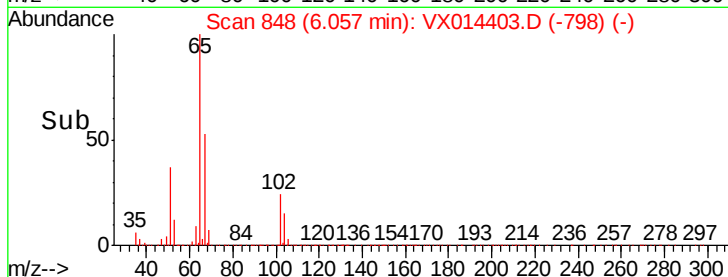
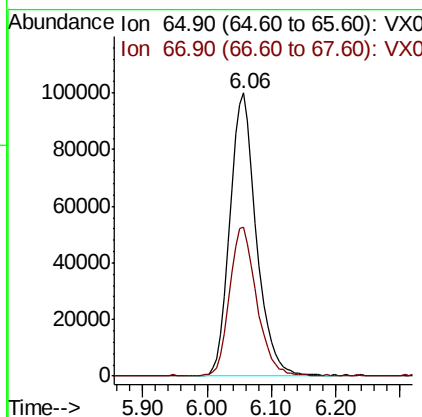
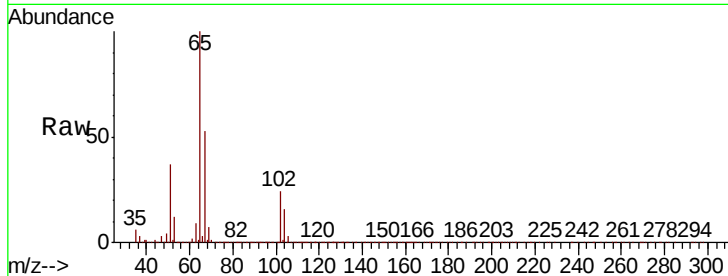




#33
 1,2-Dichloroethane-d4
 Concen: 47.048 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014403.D
 Acq: 03 Jan 2020 16:13

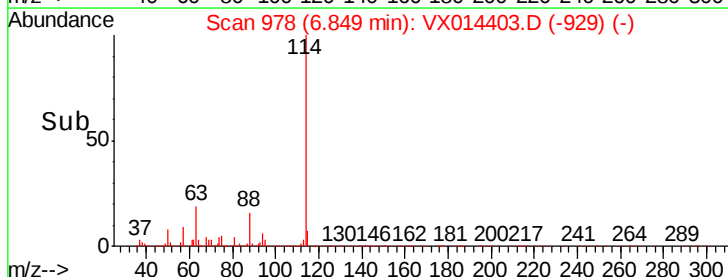
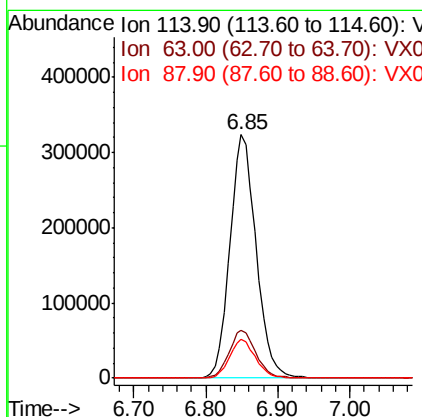
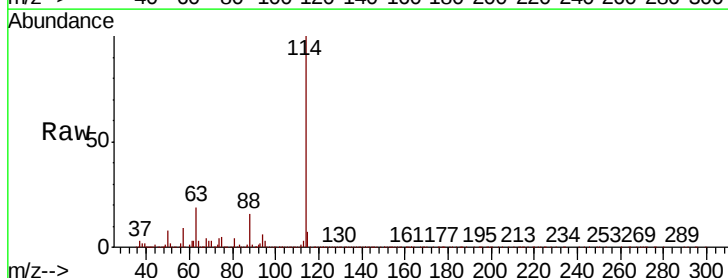
Instrument :
 MSVOA_X
 ClientSampled :

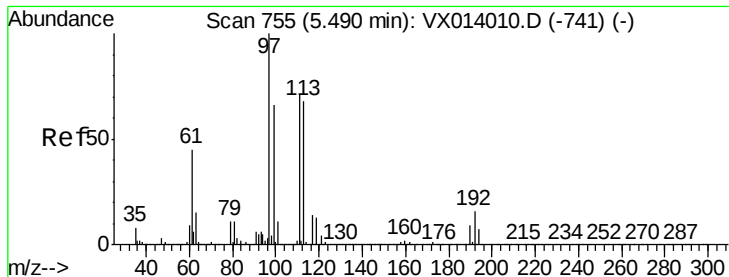
Tot Ion: 65 Resp: 288000
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014403.D
 Acq: 03 Jan 2020 16:13

Tgt Ion: 114 Resp: 819118
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.8
 88 15.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 46.233 ug/l

RT: 5.50 min Scan# 756

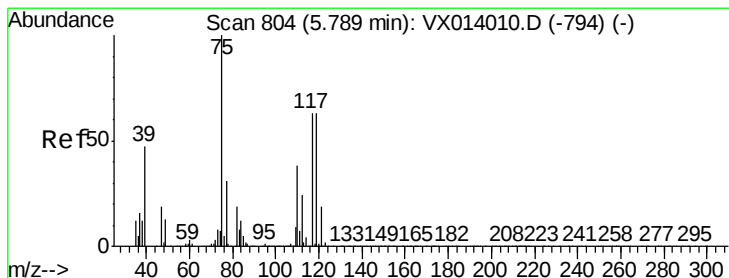
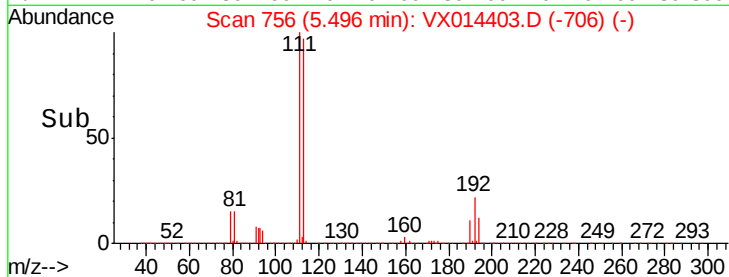
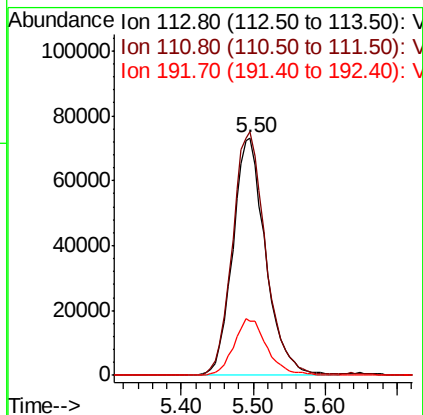
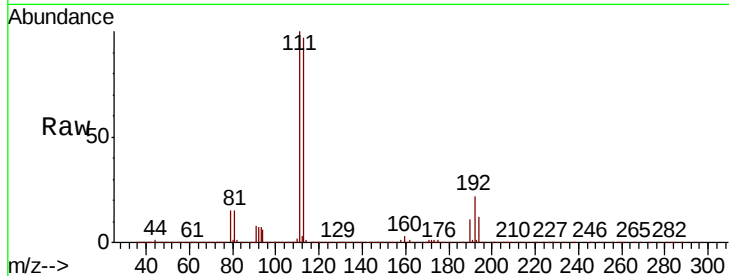
Delta R.T. 0.01 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	113	Resp:	230211
Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.0	123.0
192	24.2	19.3	28.9



#36

1,1-Dichloropropene

Concen: 4.706 ug/l

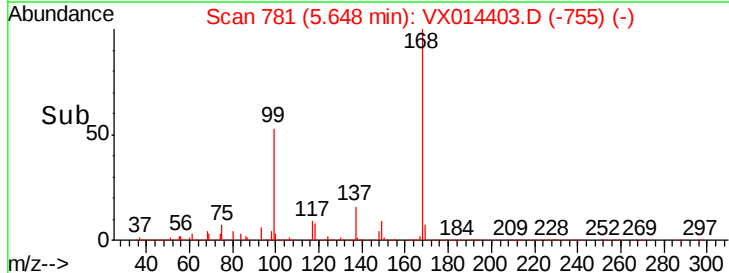
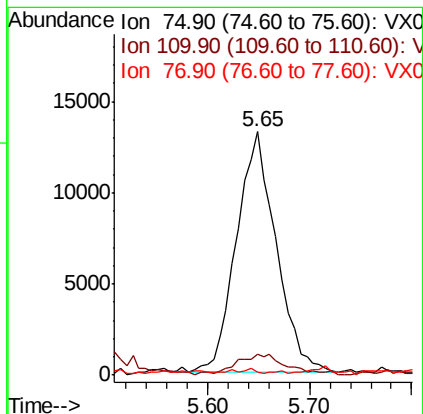
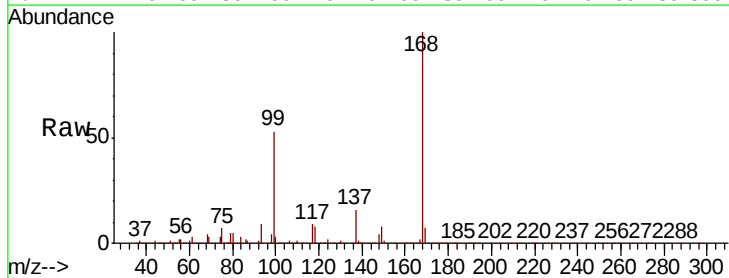
RT: 5.65 min Scan# 781

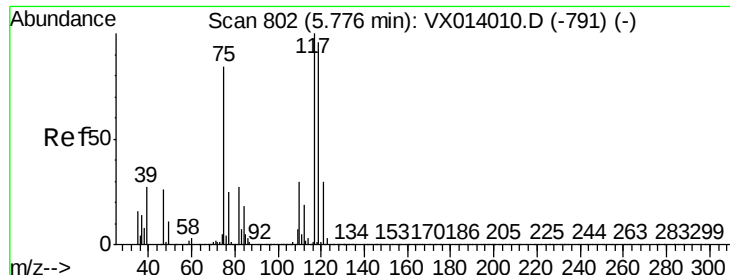
Delta R.T. -0.14 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

Tgt Ion:	75	Resp:	35368
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.3	54.9#
77	0.6	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.968 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

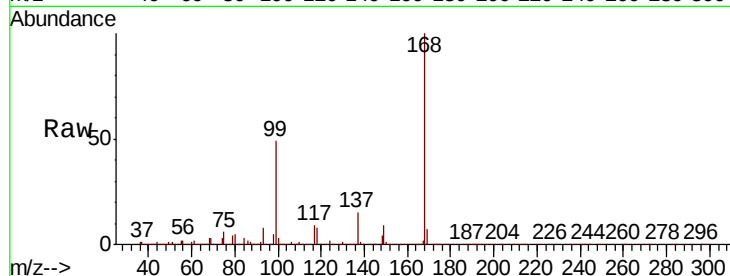
Tot Ion:117 Resp: 47712

Ion Ratio Lower Upper

117 100

119 3.8 76.2 114.4#

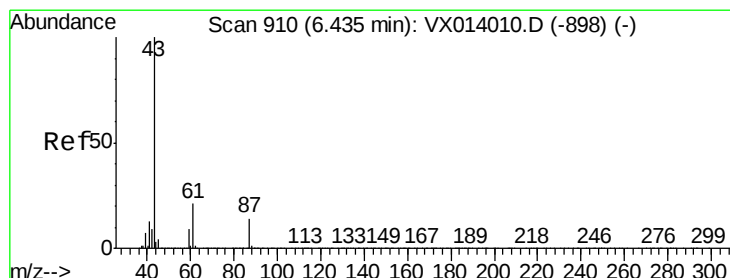
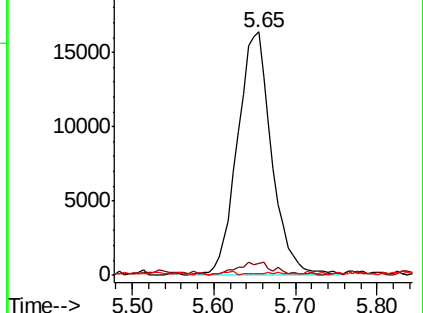
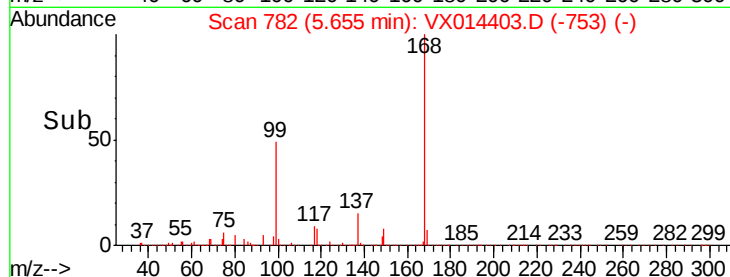
121 0.0 23.6 35.4#



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



#43

Isopropyl Acetate

Concen: 0.261 ug/l

RT: 6.47 min Scan# 916

Delta R.T. 0.04 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

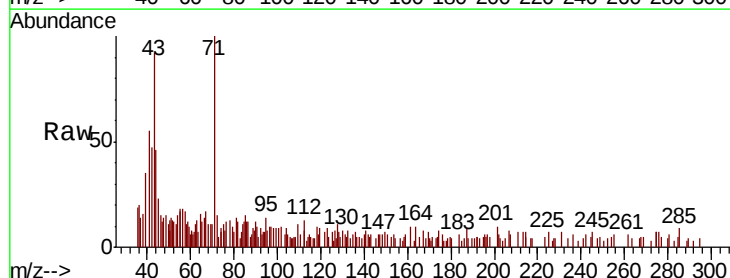
Tgt Ion: 43 Resp: 3589

Ion Ratio Lower Upper

43 100

61 2.8 16.4 24.6#

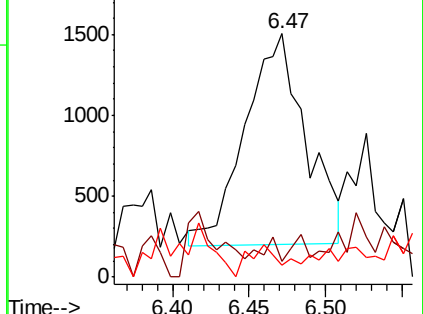
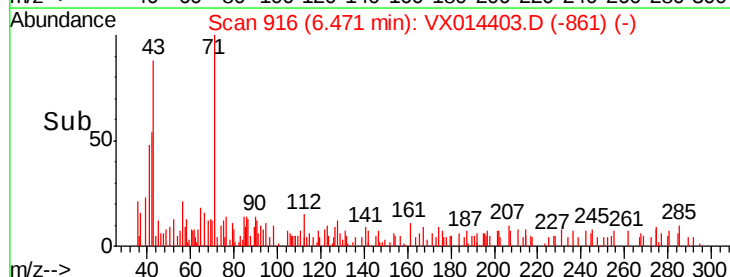
87 7.0 10.7 16.1#

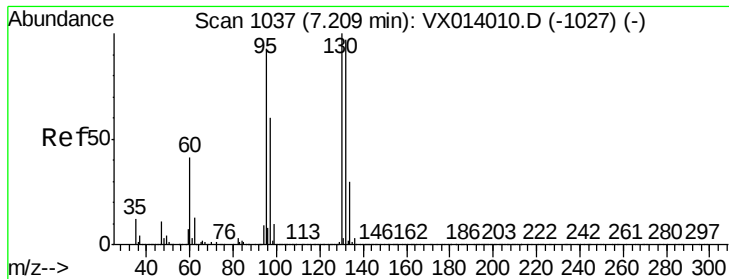


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

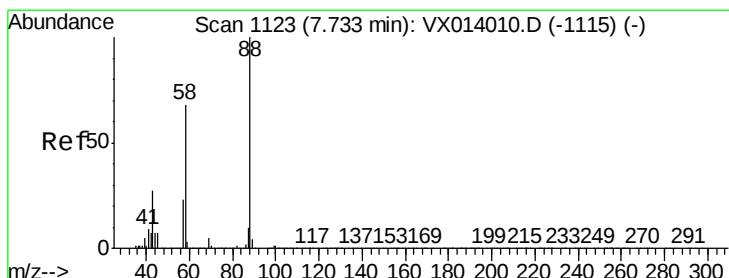
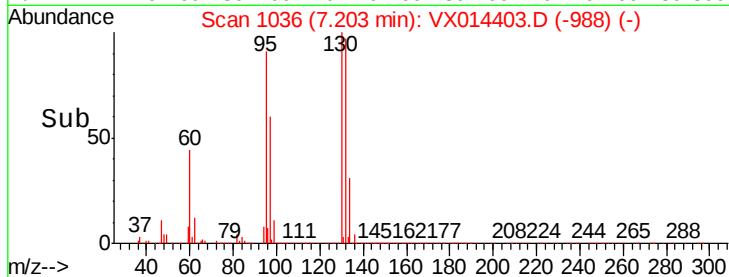
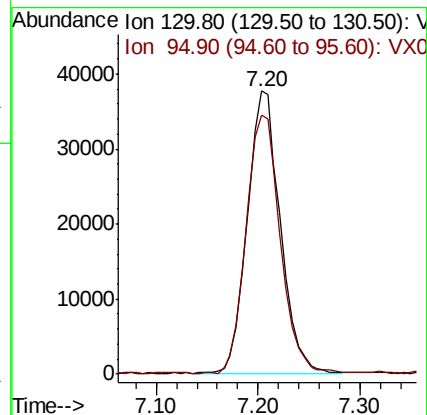
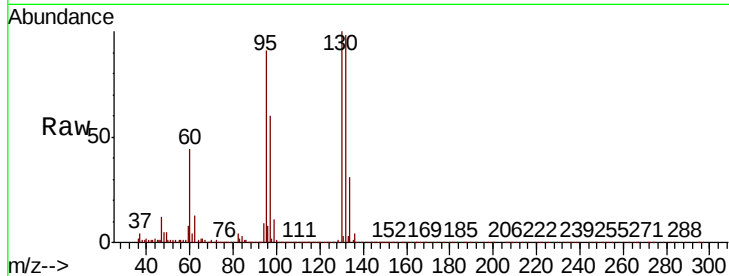




#44
 Trichloroethene
 Concen: 13.222 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014403.D
 Acq: 03 Jan 2020 16:13

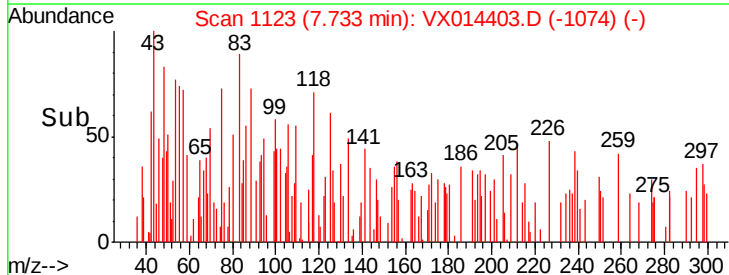
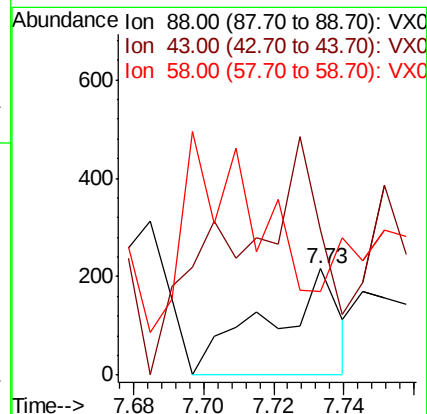
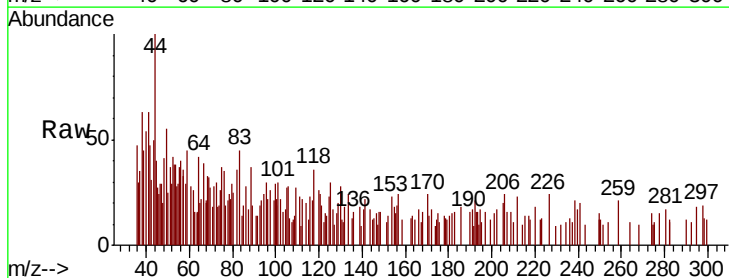
Instrument :
 MSVOA_X
 ClientSampleId :

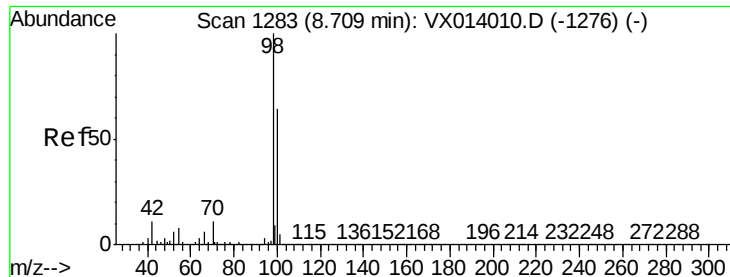
Tot Ion:130 Resp: 84458
 Ion Ratio Lower Upper
 130 100
 95 91.5 0.0 185.6



#49
 1,4-Dioxane
 Concen: 2.214 ug/l
 RT: 7.73 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VX014403.D
 Acq: 03 Jan 2020 16:13

Tgt Ion: 88 Resp: 303
 Ion Ratio Lower Upper
 88 100
 43 142.6 26.5 39.7#
 58 0.0 56.8 85.2#





#50

Toluene-d8

Concen: 50.401 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

Instrument :

MSVOA_X

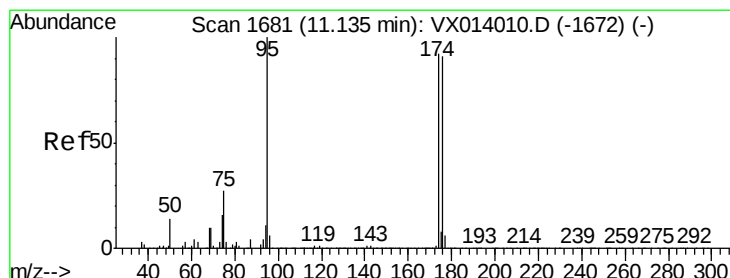
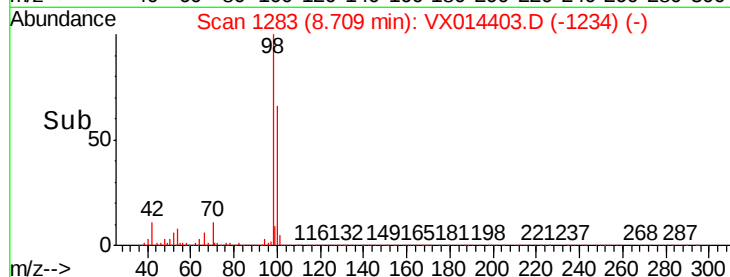
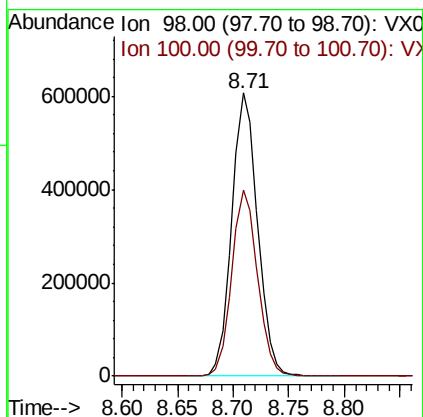
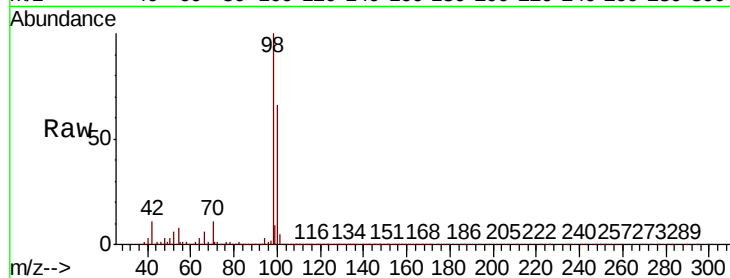
ClientSampleId :

Tot Ion: 98 Resp: 977067

Ion Ratio Lower Upper

98 100

100 65.2 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.983 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

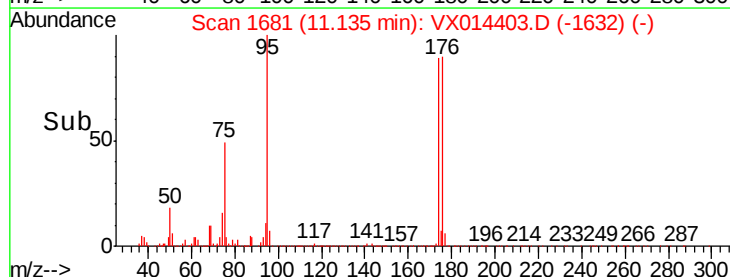
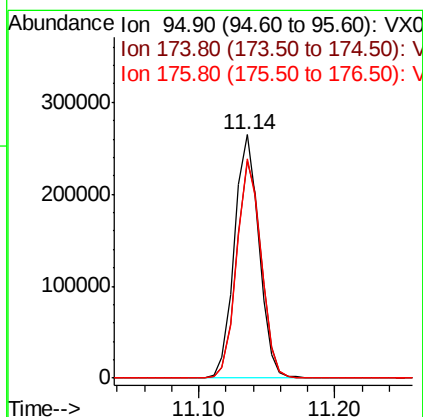
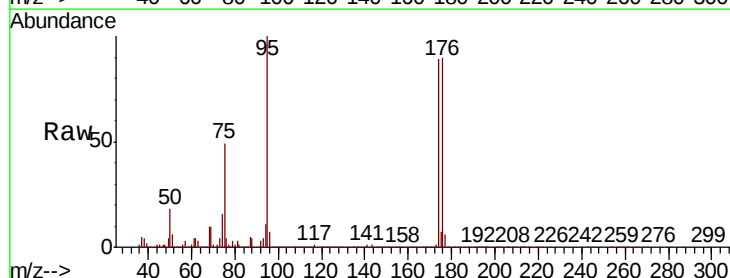
Tgt Ion: 95 Resp: 332936

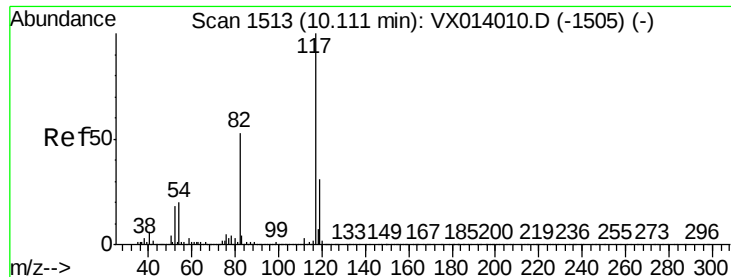
Ion Ratio Lower Upper

95 100

174 89.8 0.0 175.8

176 88.9 0.0 173.0

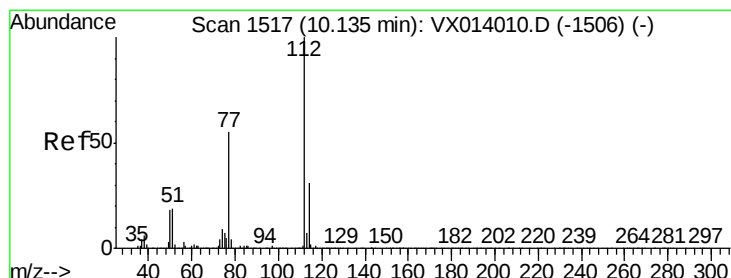
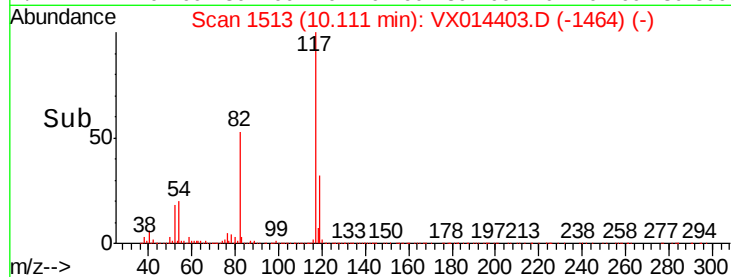
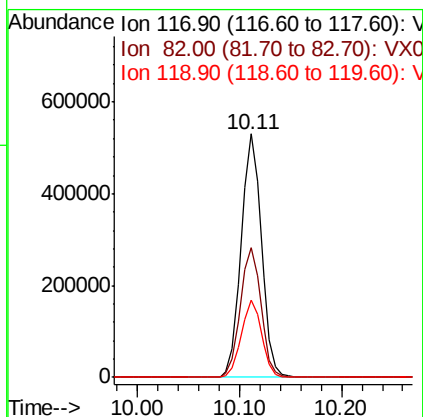
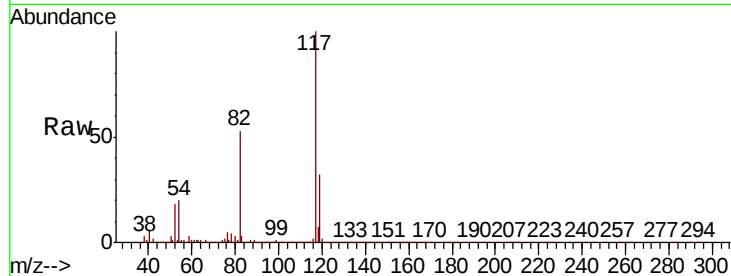




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014403.D
Acq: 03 Jan 2020 16:13

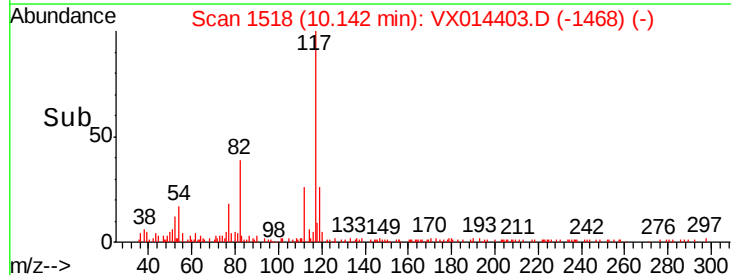
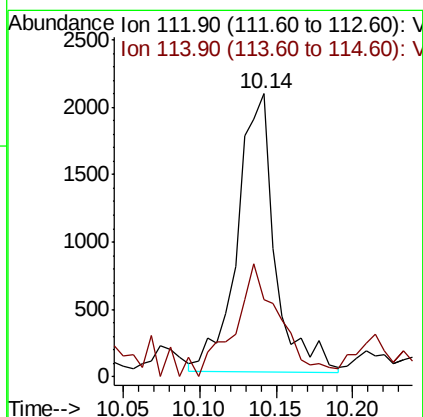
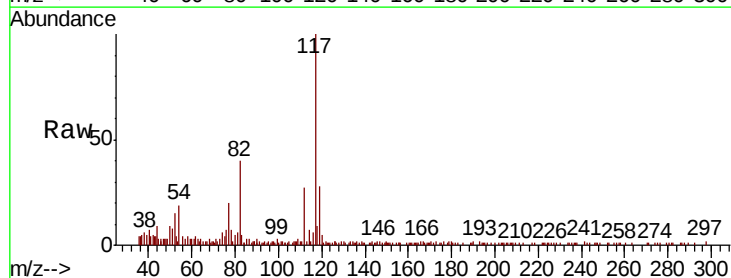
Instrument :
MSVOA_X
ClientSampleId :

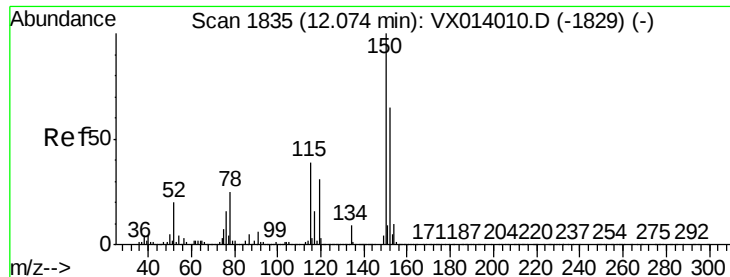
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.2	63.4
119	31.8	25.1	37.7



#65
Chlorobenzene
Concen: 0.229 ug/l
RT: 10.14 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VX014403.D
Acq: 03 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	25.3	24.9	37.3



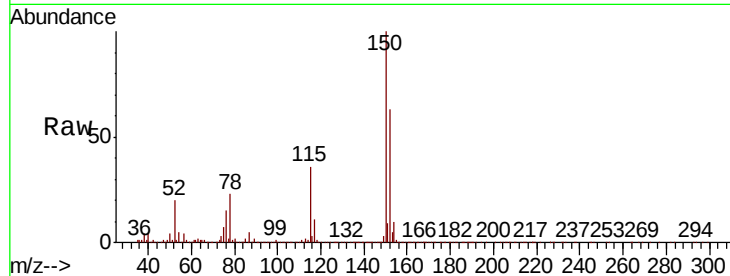


#72

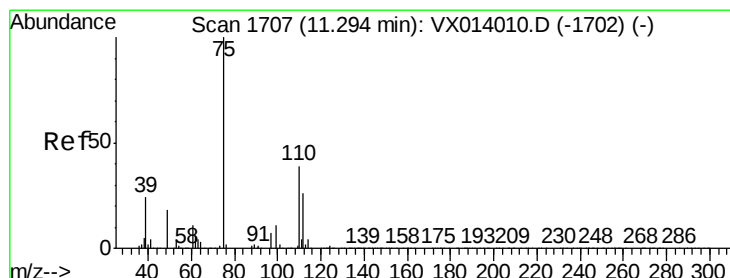
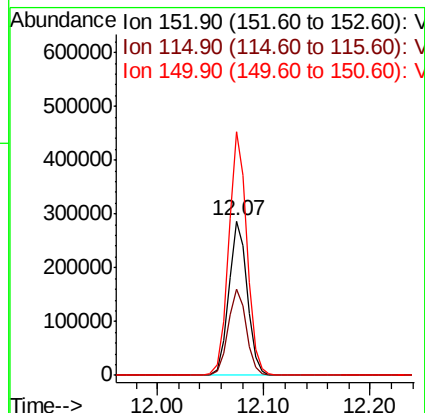
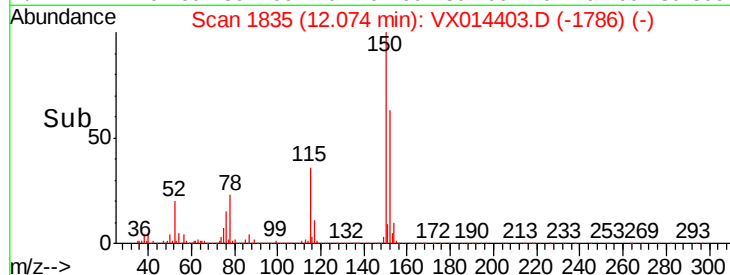
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014403.D
Acq: 03 Jan 2020 16:13

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.6	38.3	114.9
150	156.3	0.0	345.4



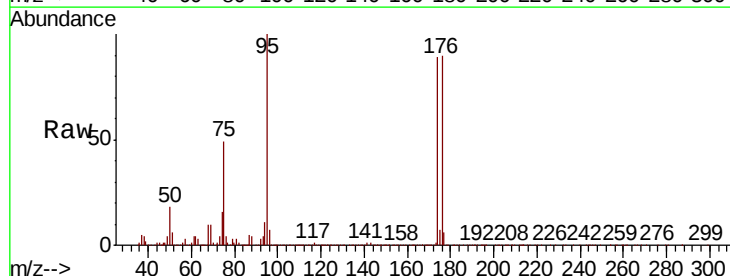
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



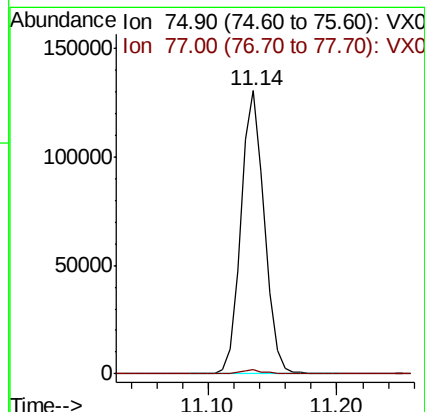
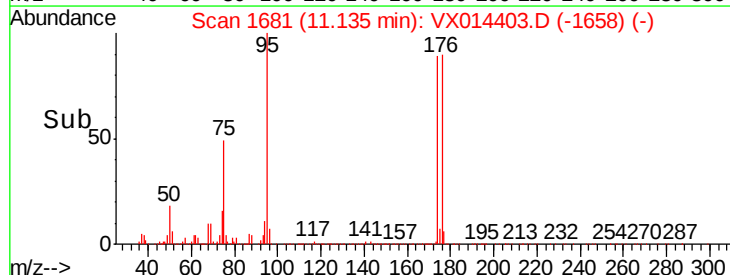
#76

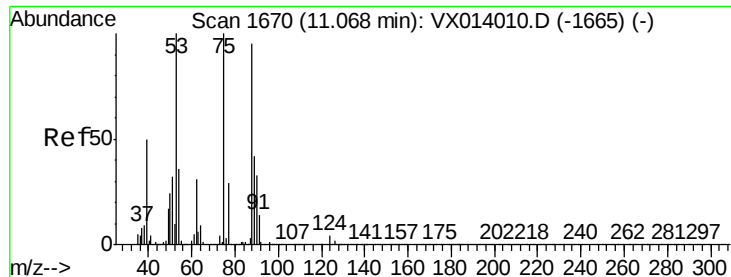
1,2,3-Trichloropropane
Concen: 21.723 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX014403.D
Acq: 03 Jan 2020 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.3	57.8#



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: 61.313 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

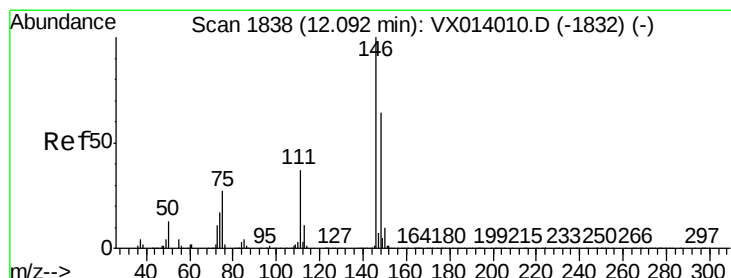
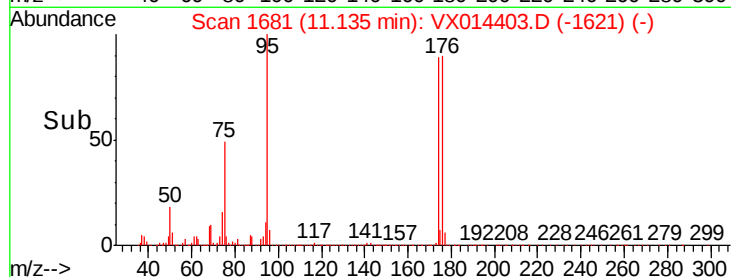
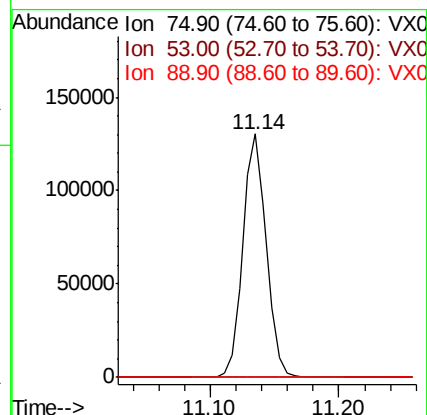
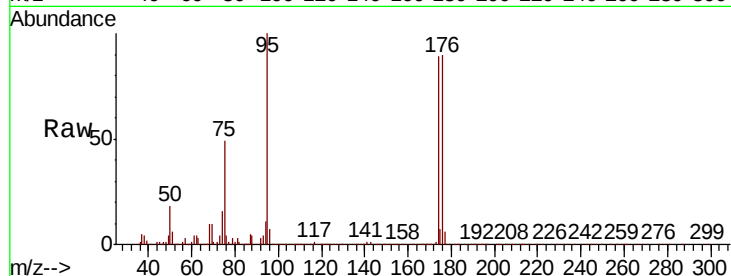
Tot Ion: 75 Resp: 163286

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.1 34.6 51.8#



#88

1,4-Dichlorobenzene

Concen: 0.381 ug/l

RT: 12.10 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

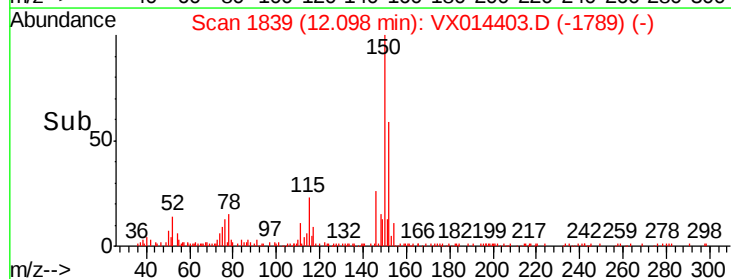
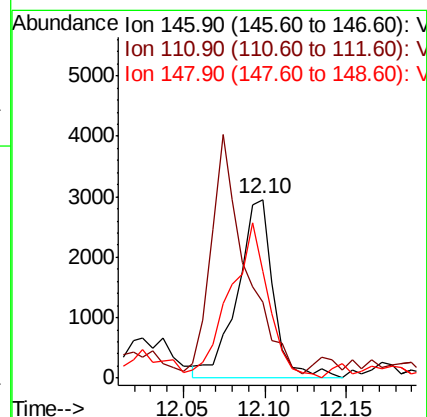
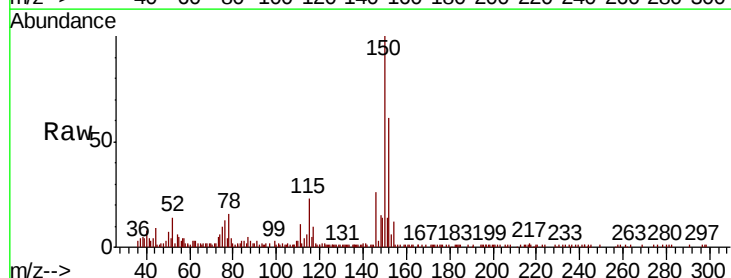
Tgt Ion: 146 Resp: 4551

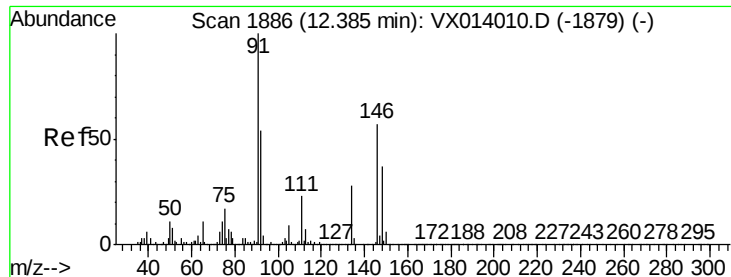
Ion Ratio Lower Upper

146 100

111 0.0 18.7 56.1#

148 93.3 31.9 95.9





#91

1,2-Dichlorobenzene

Concen: 0.354 ug/l

RT: 12.39 min Scan# 1887

Delta R.T. 0.01 min

Lab File: VX014403.D

Acq: 03 Jan 2020 16:13

Instrument :

MSVOA_X

ClientSampleId :

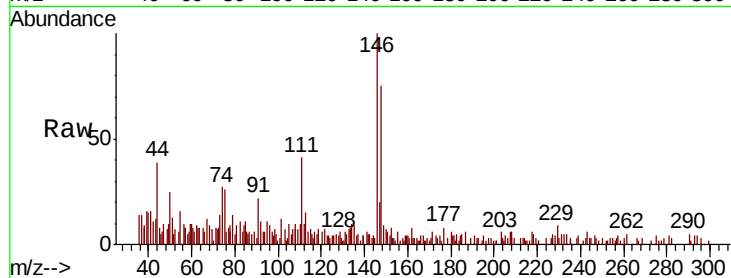
Tot Ion:146 Resp: 4191

Ion Ratio Lower Upper

146 100

111 37.3 19.7 59.1

148 69.1 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

