

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122319\
 Data File : VX014225.D
 Acq On : 24 Dec 2019 01:18
 Operator : JC/SP
 Sample : K6401-04 800X
 Misc : 4.58g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C0B38

Quant Time: Dec 24 03:49:09 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	570850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	868564	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	780559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	354813	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	309376	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
35) Dibromofluoromethane	5.49	113	257672	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
50) Toluene-d8	8.71	98	1019310	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.13	95	351046	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	

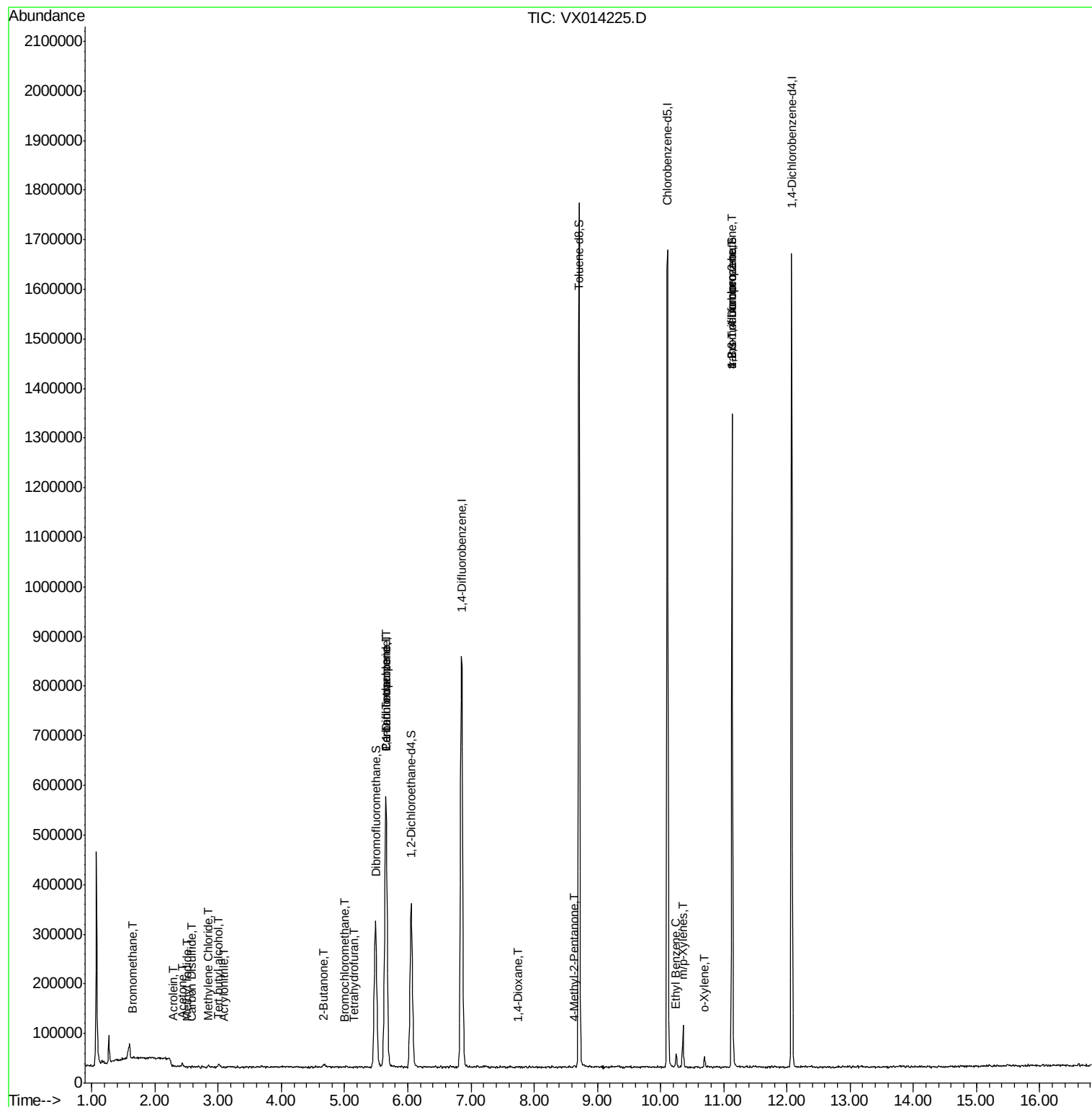
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1279	0.249	ug/l #	80
10) Methyl Iodide	2.50	142	669	2.710	ug/l #	68
11) Tert butyl alcohol	3.01	59	4175	2.986	ug/l	96
13) Acrolein	2.28	56	426	0.532	ug/l #	14
15) Acrylonitrile	3.09	53	850	0.260	ug/l #	35
16) Acetone	2.43	43	9405	2.239	ug/l	95
17) Carbon Disulfide	2.57	76	2038	0.882	ug/l #	1
20) Methylene Chloride	2.84	84	2120	0.321	ug/l #	60
25) 2-Butanone	4.67	43	4222	0.815	ug/l #	86
28) Bromochloromethane	5.00	49	455	0.562	ug/l #	69
29) Tetrahydrofuran	5.14	42	654	0.226	ug/l #	67
36) 1,1-Dichloropropene	5.65	75	38075	4.778	ug/l #	51
38) Carbon Tetrachloride	5.65	117	50443	6.948	ug/l #	16
49) 1,4-Dioxane	7.75	88	220	1.516	ug/l #	49
51) 4-Methyl-2-Pentanone	8.64	43	3711	0.406	ug/l	92
67) Ethyl Benzene	10.25	91	17814	0.624	ug/l	98
68) m/p-Xylenes	10.36	106	21705	1.978	ug/l	99
69) o-Xylene	10.70	106	5409	0.503	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	172887	22.444	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	172887	63.350	ug/l #	12

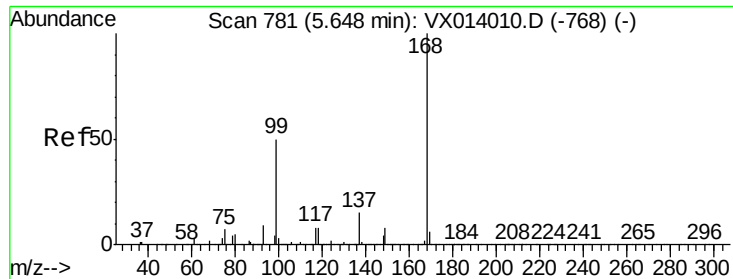
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014225.D

Acq: 24 Dec 2019 01:18

Instrument :

MSVOA_X

ClientSampleId :

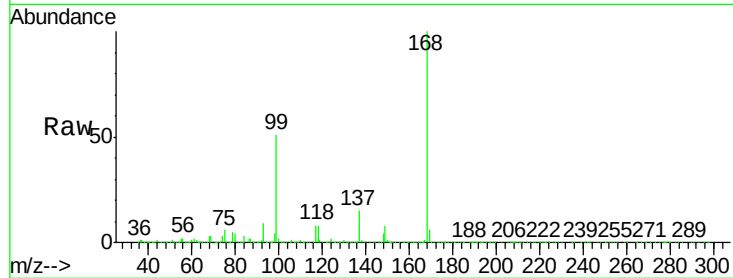
C0B38

Tgt Ion: 168 Resp: 570850

Ion Ratio Lower Upper

168 100

99 50.5 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

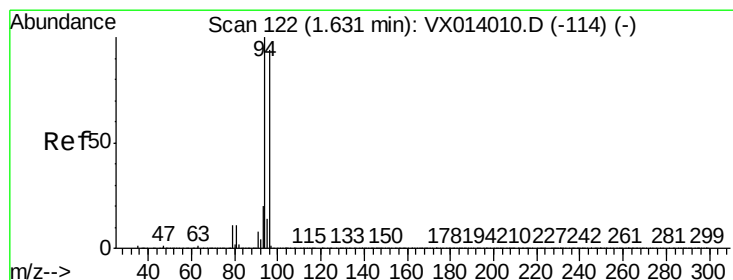
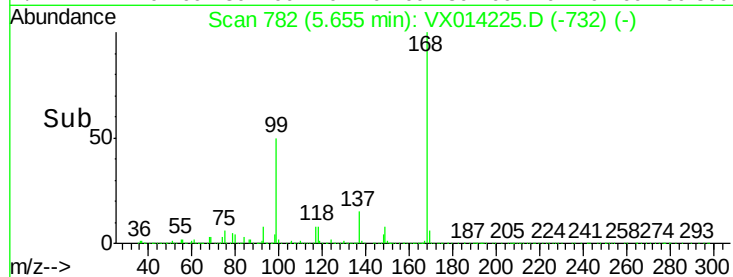
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.249 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014225.D

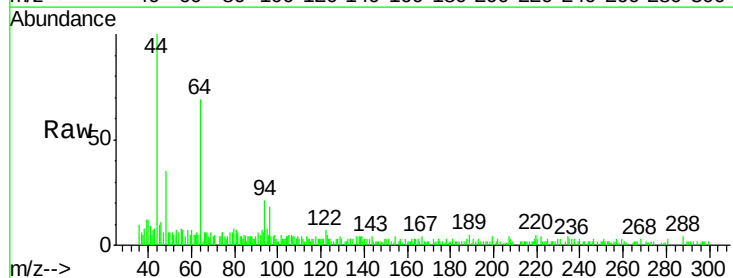
Acq: 24 Dec 2019 01:18

Tgt Ion: 94 Resp: 1279

Ion Ratio Lower Upper

94 100

96 74.6 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1000

800

600

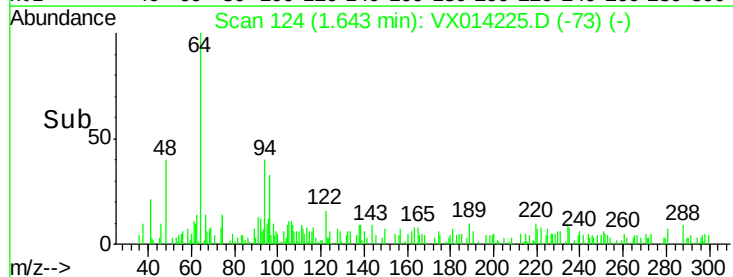
400

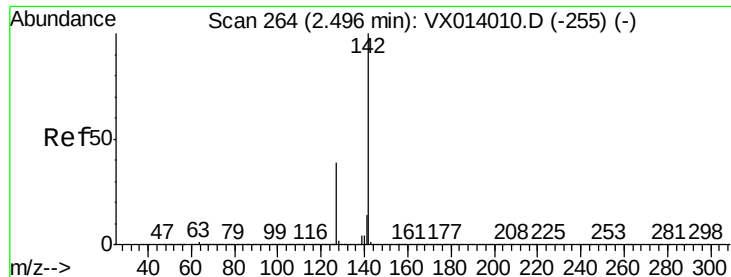
200

0

Time-->

1.60 1.65





#10

Methyl Iodide

Concen: 2.710 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

Instrument :

MSVOA_X

ClientSampleId :

C0B38

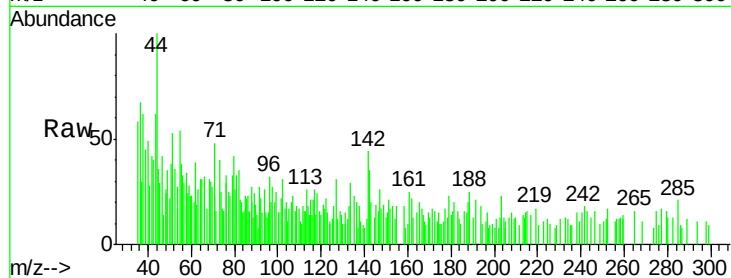
Tgt Ion: 142 Resp: 669

Ion Ratio Lower Upper

142 100

127 58.4 31.6 47.4#

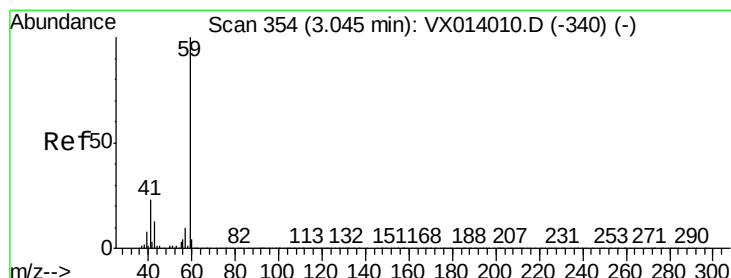
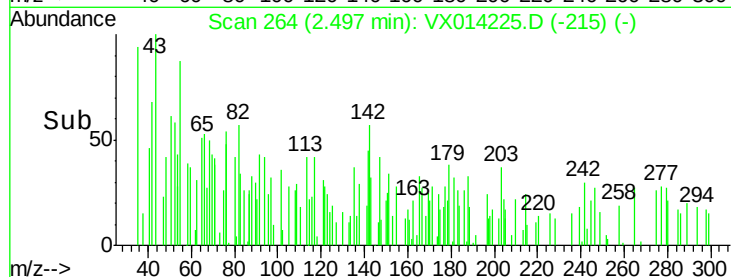
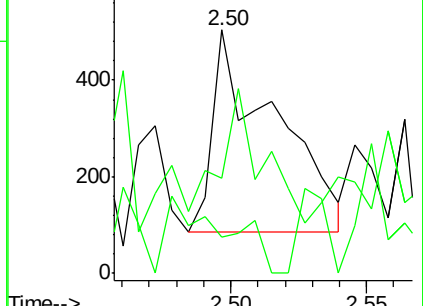
141 0.0 11.6 17.4#



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: 2.986 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.04 min

Lab File: VX014225.D

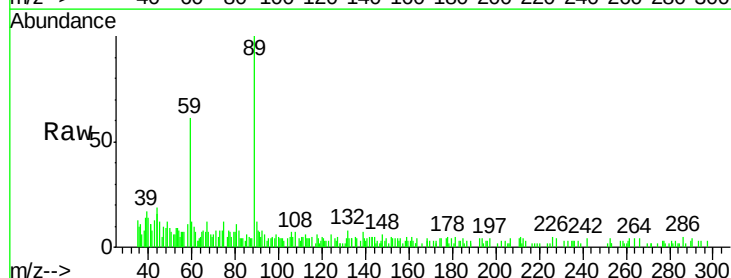
Acq: 24 Dec 2019 01:18

Tgt Ion: 59 Resp: 4175

Ion Ratio Lower Upper

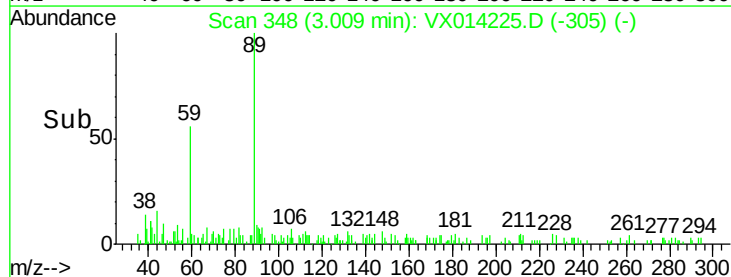
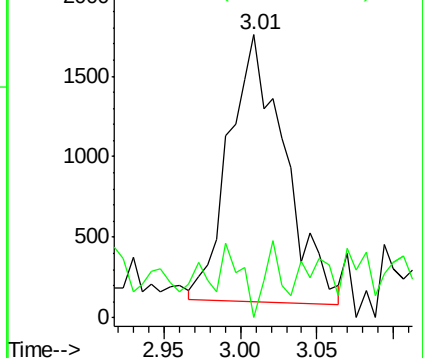
59 100

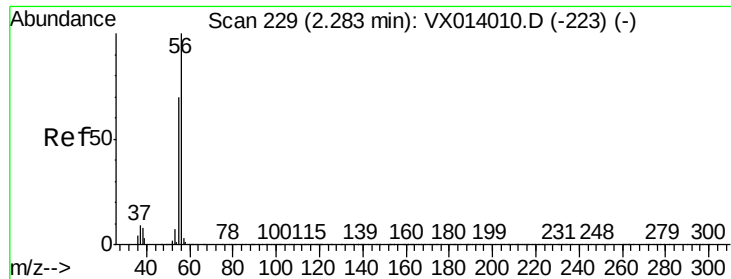
57 9.2 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

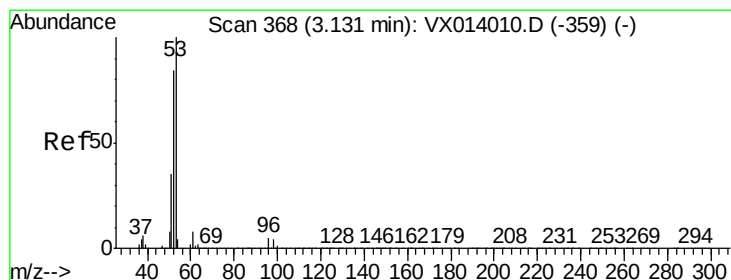
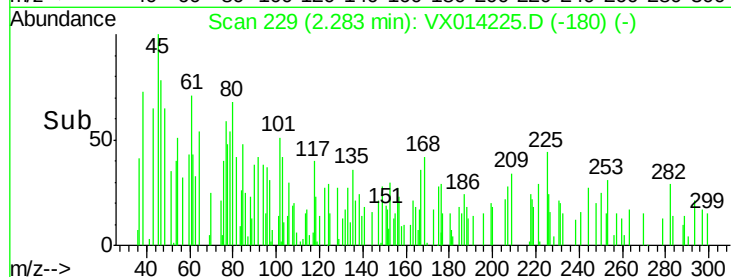
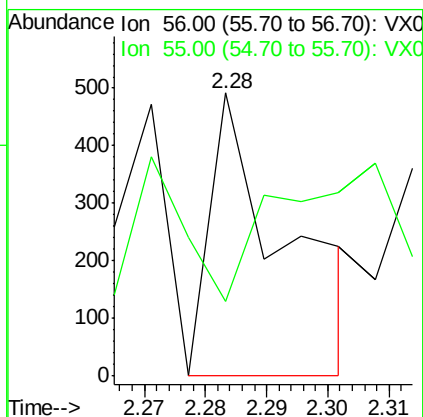
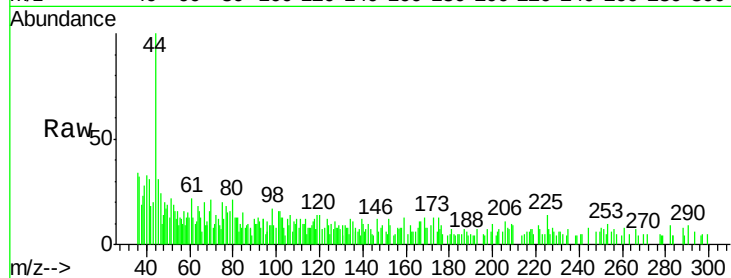




#13
Acrolein
Concen: 0.532 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014225.D
Acq: 24 Dec 2019 01:18

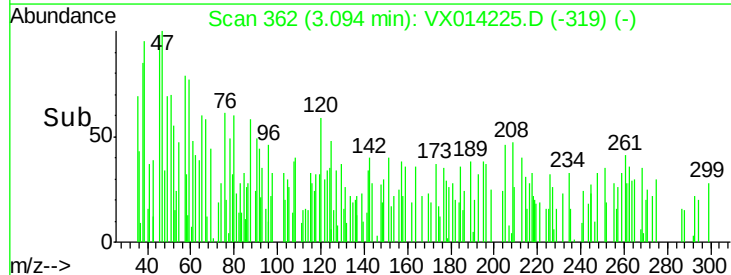
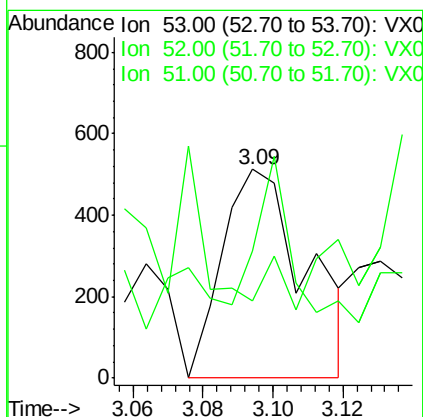
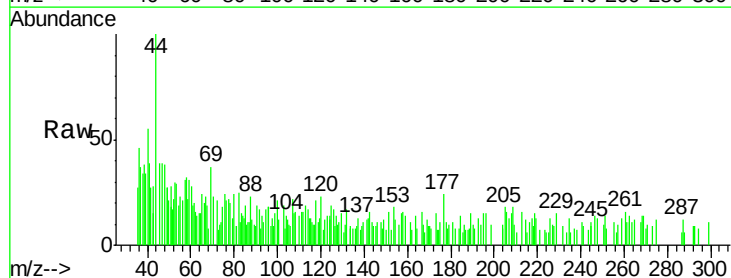
Instrument :
MSVOA_X
ClientSampleId :
C0B38

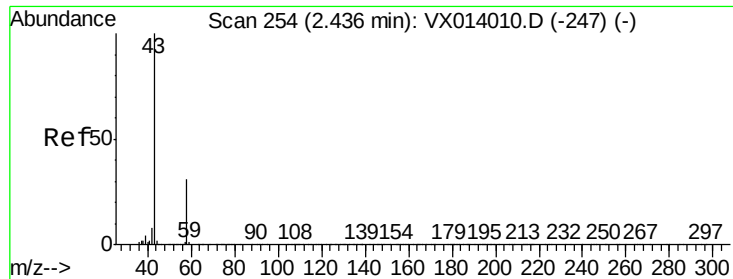
Tgt Ion: 56 Resp: 426
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#15
Acrylonitrile
Concen: 0.260 ug/l
RT: 3.09 min Scan# 362
Delta R.T. -0.04 min
Lab File: VX014225.D
Acq: 24 Dec 2019 01:18

Tgt Ion: 53 Resp: 850
Ion Ratio Lower Upper
53 100
52 0.0 66.5 99.7#
51 34.7 28.1 42.1





#16

Acetone

Concen: 2.239 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

Instrument :

MSVOA_X

ClientSampleId :

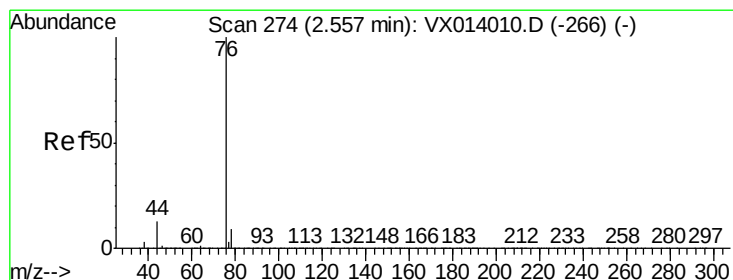
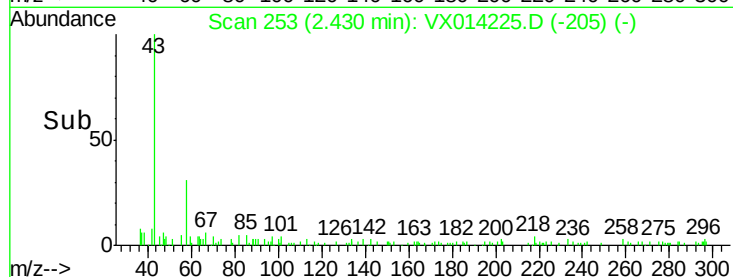
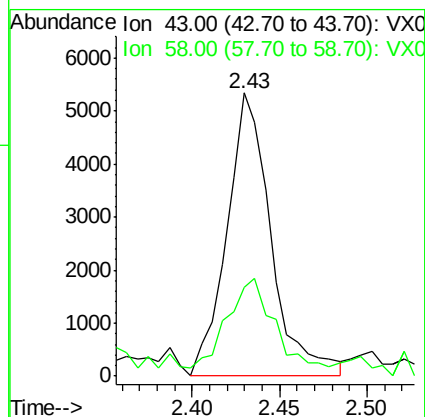
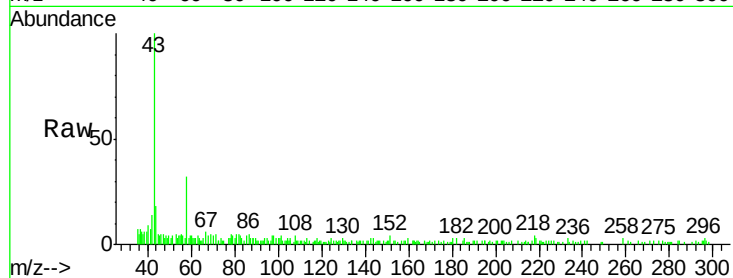
C0B38

Tgt Ion: 43 Resp: 9405

Ion Ratio Lower Upper

43 100

58 28.4 24.9 37.3



#17

Carbon Disulfide

Concen: 0.882 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX014225.D

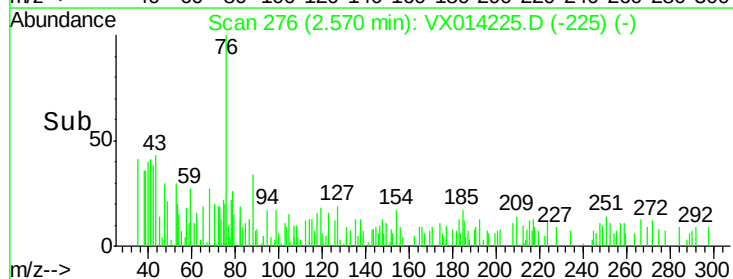
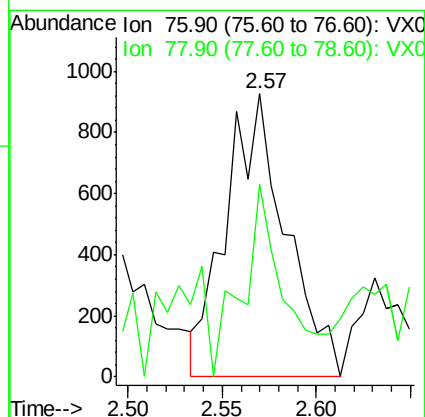
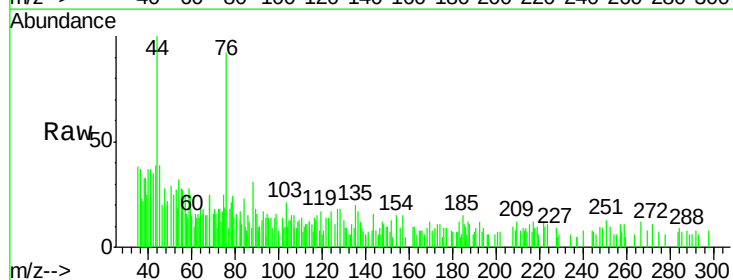
Acq: 24 Dec 2019 01:18

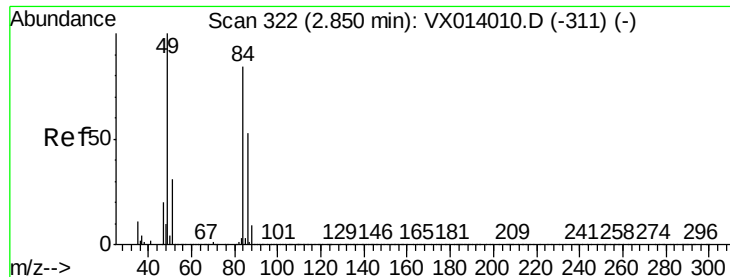
Tgt Ion: 76 Resp: 2038

Ion Ratio Lower Upper

76 100

78 56.2 7.2 10.8#

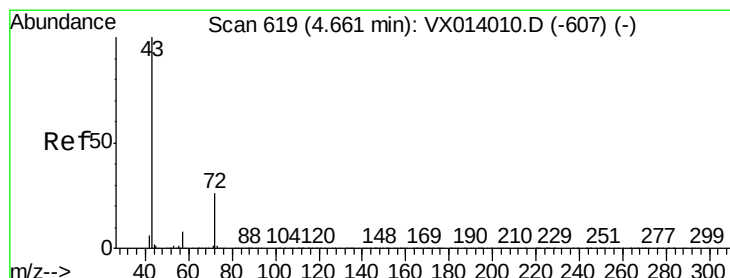
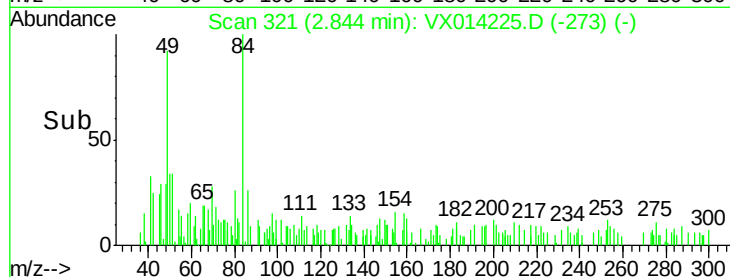
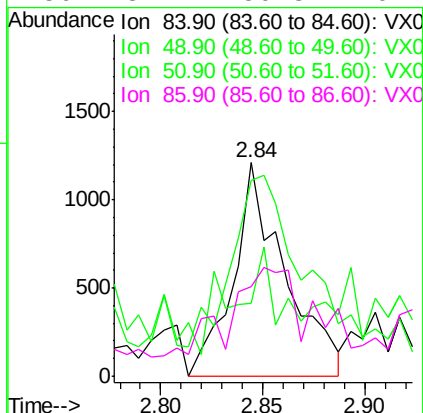
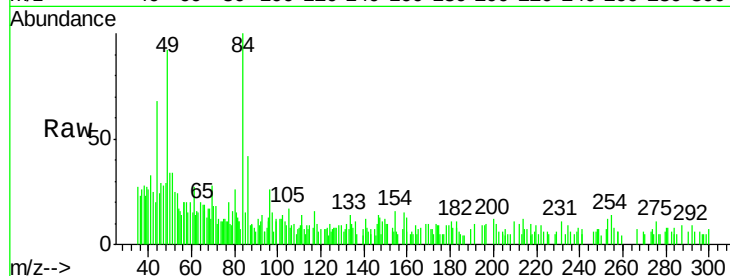




#20
Methylene Chloride
Concen: 0.321 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014225.D
Acq: 24 Dec 2019 01:18

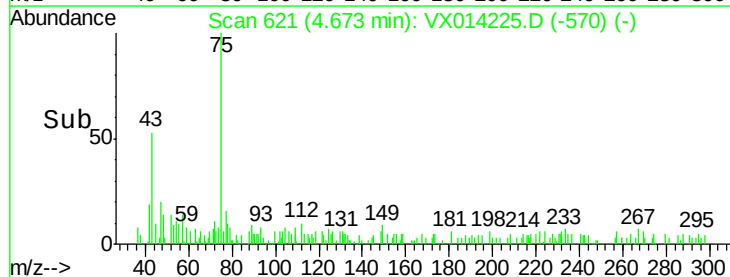
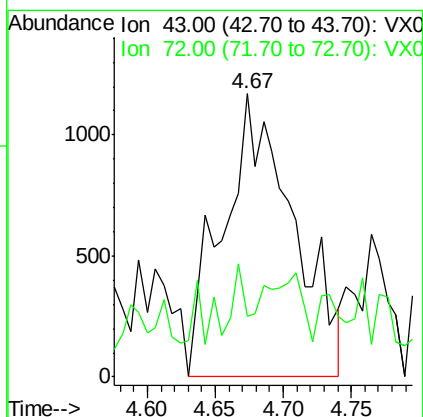
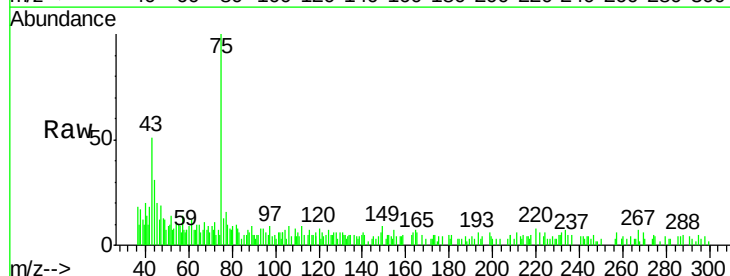
Instrument :
MSVOA_X
ClientSampleId :
C0B38

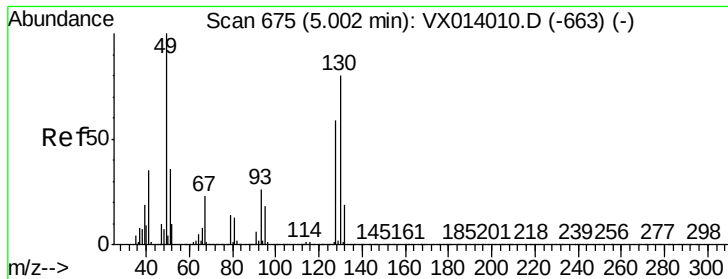
Tgt Ion:	84	Resp:	2120
Ion	Ratio	Lower	Upper
84	100		
49	78.1	95.8	143.6#
51	9.1	29.8	44.8#
86	32.1	50.8	76.2#



#25
2-Butanone
Concen: 0.815 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX014225.D
Acq: 24 Dec 2019 01:18

Tgt Ion:	43	Resp:	4222
Ion	Ratio	Lower	Upper
43	100		
72	18.9	21.0	31.4#





#28

Bromochloromethane

Concen: 0.562 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

Instrument :

MSVOA_X

ClientSampled :

C0B38

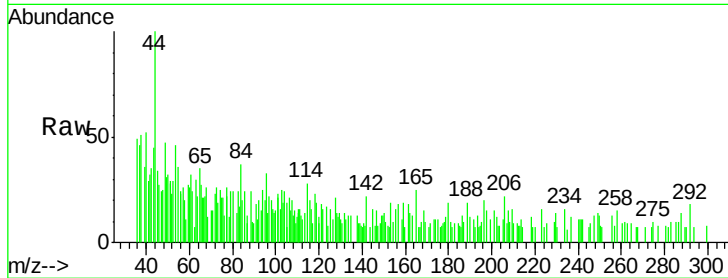
Tgt Ion: 49 Resp: 455

Ion Ratio Lower Upper

49 100

129 117.8 0.0 5.0#

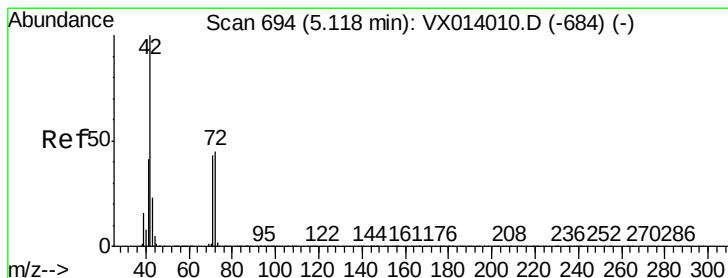
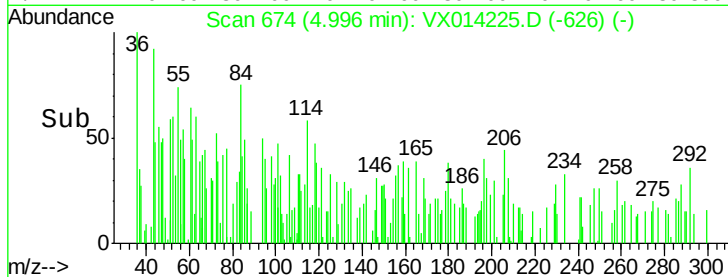
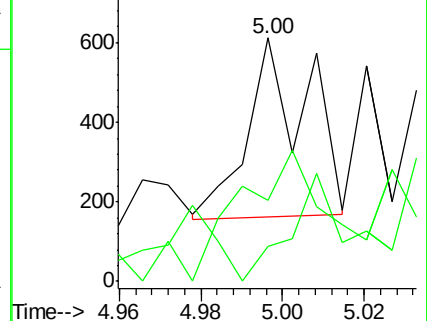
130 61.8 64.6 97.0#



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



#29

Tetrahydrofuran

Concen: 0.226 ug/l

RT: 5.14 min Scan# 698

Delta R.T. 0.02 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

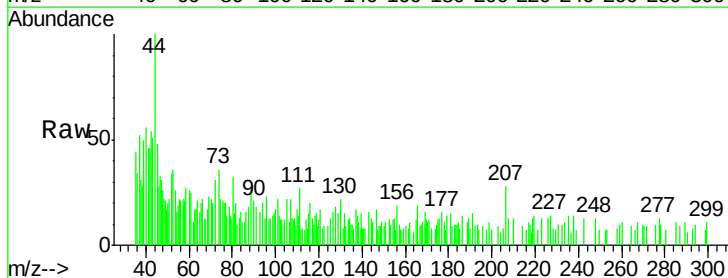
Tgt Ion: 42 Resp: 654

Ion Ratio Lower Upper

42 100

72 37.5 35.8 53.8

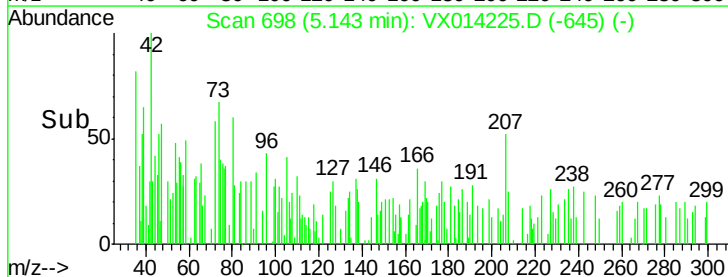
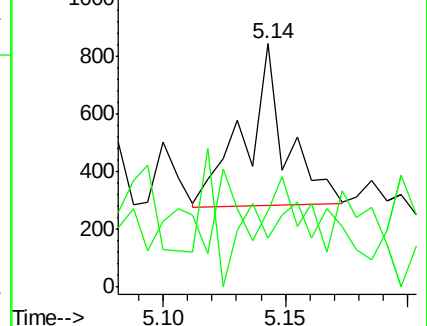
71 7.0 33.6 50.4#

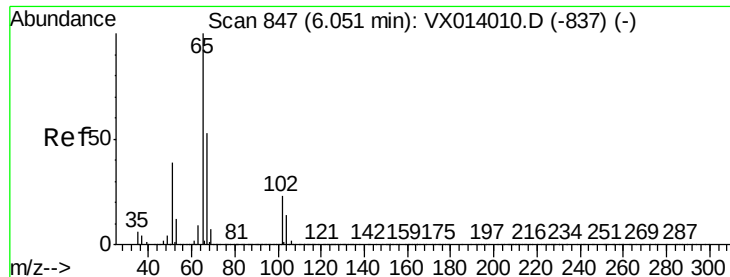


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.819 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

Instrument :

MSVOA_X

ClientSampleId :

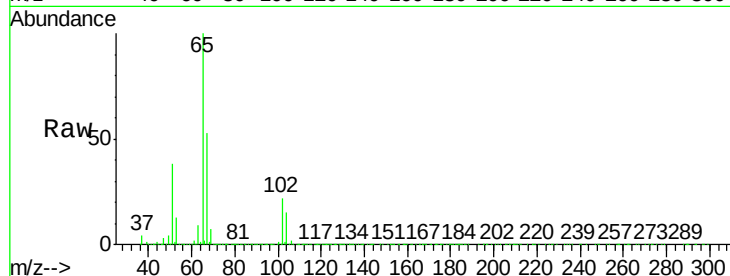
C0B38

Tgt Ion: 65 Resp: 309376

Ion Ratio Lower Upper

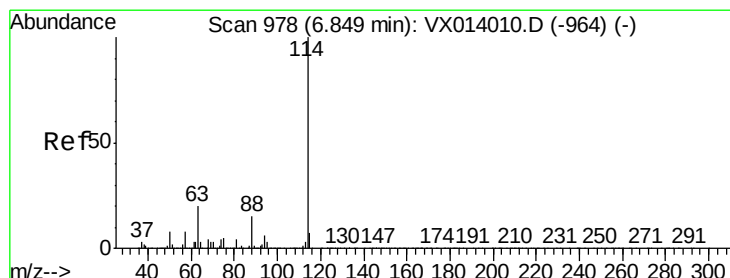
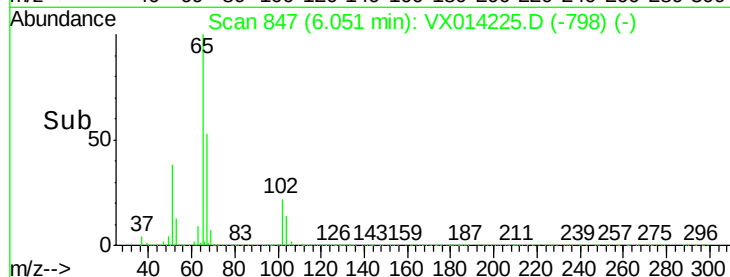
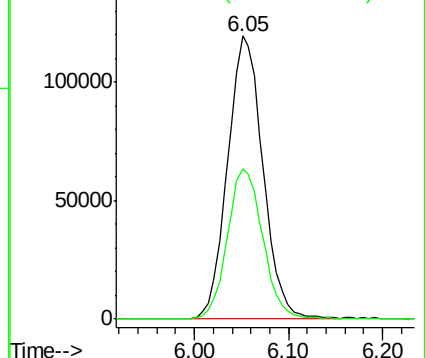
65 100

67 53.3 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: VX014225.D

Acq: 24 Dec 2019 01:18

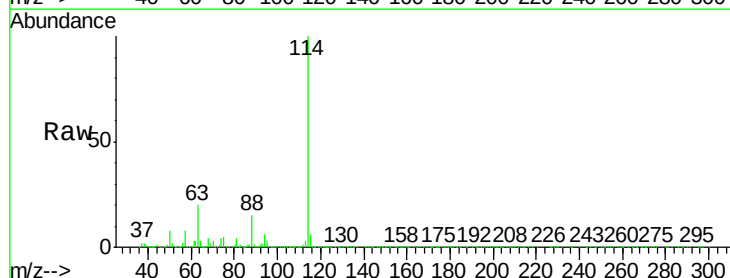
Tgt Ion: 114 Resp: 868564

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

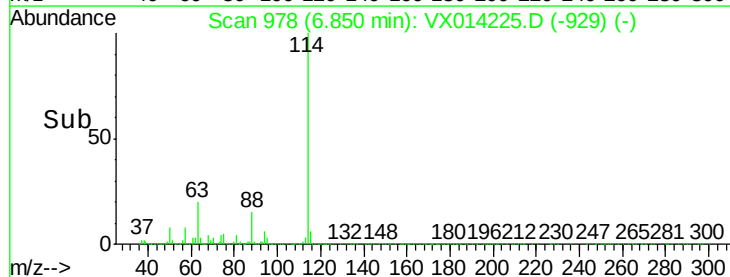
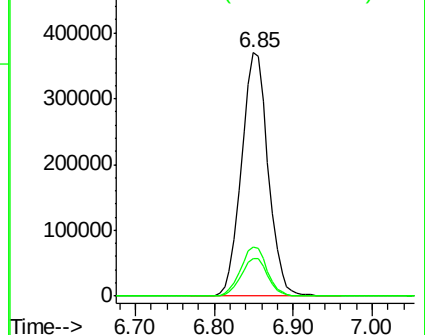
88 15.1 0.0 30.4

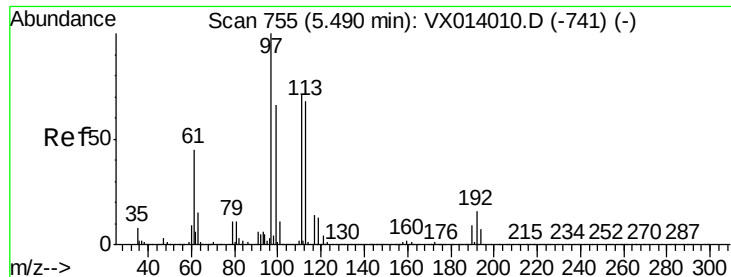


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.802 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

Instrument :

MSVOA_X

ClientSampleId :

C0B38

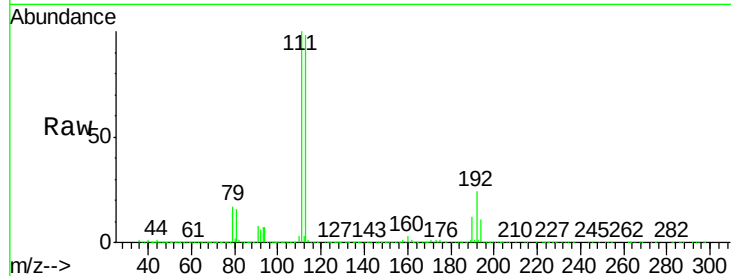
Tgt Ion: 113 Resp: 257672

Ion Ratio Lower Upper

113 100

111 101.7 82.0 123.0

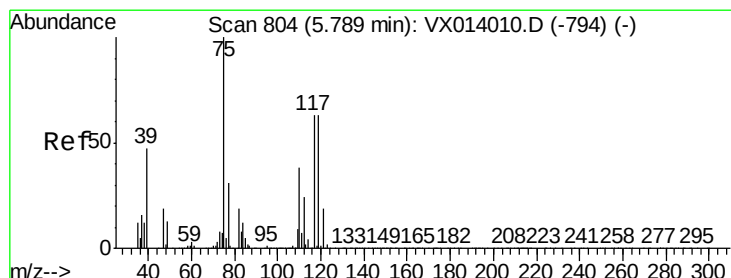
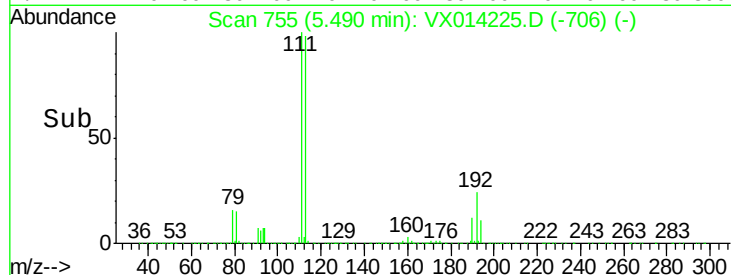
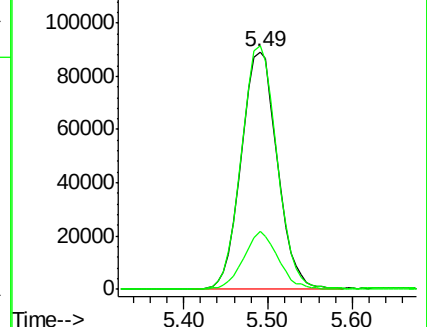
192 23.2 19.3 28.9



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: 4.778 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

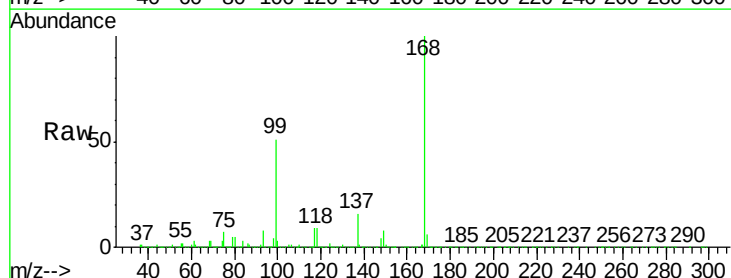
Tgt Ion: 75 Resp: 38075

Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.9#

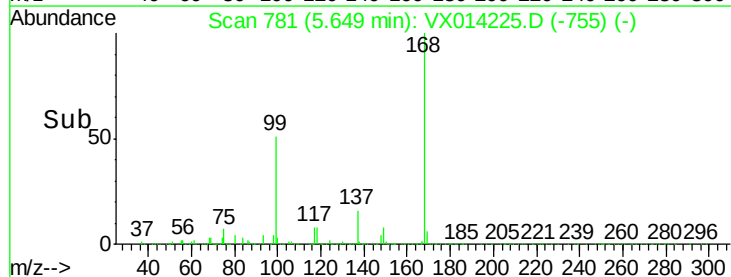
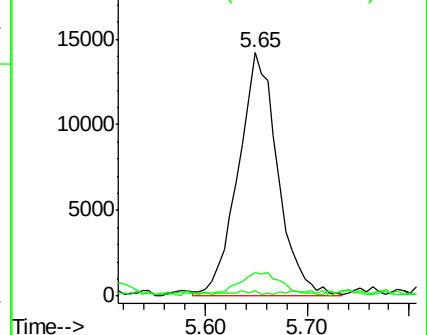
77 0.6 24.8 37.2#

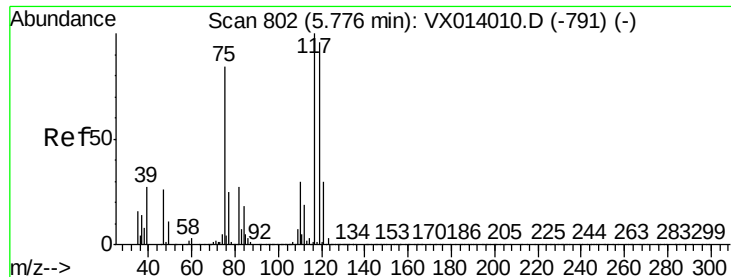


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.948 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

Instrument :

MSVOA_X

ClientSampleId :

C0B38

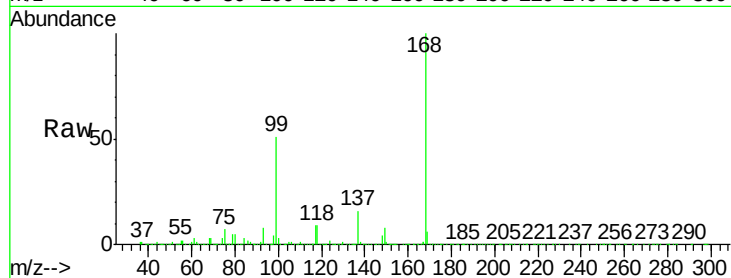
Tgt Ion:117 Resp: 50443

Ion Ratio Lower Upper

117 100

119 4.3 76.2 114.4#

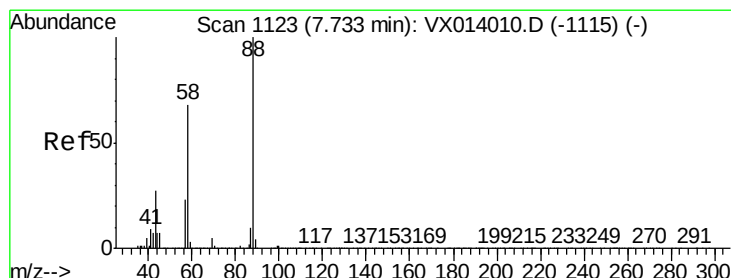
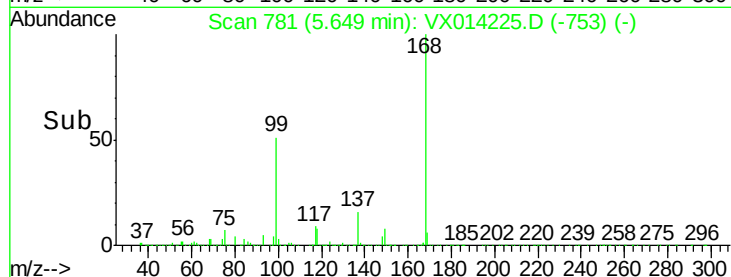
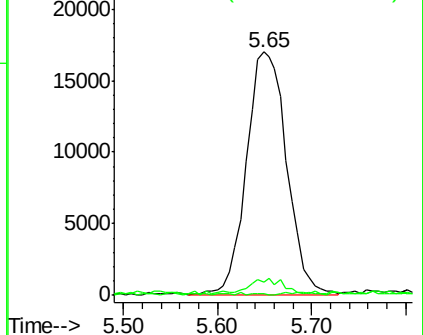
121 0.4 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 1.516 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

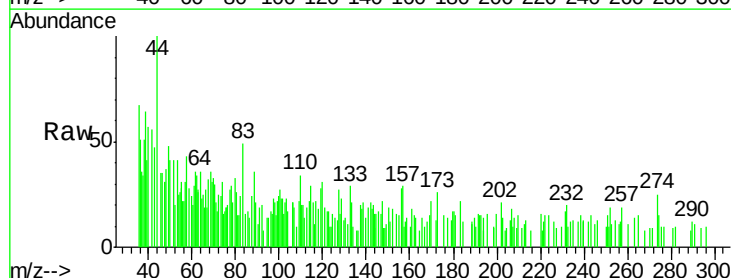
Tgt Ion: 88 Resp: 220

Ion Ratio Lower Upper

88 100

43 93.6 26.5 39.7#

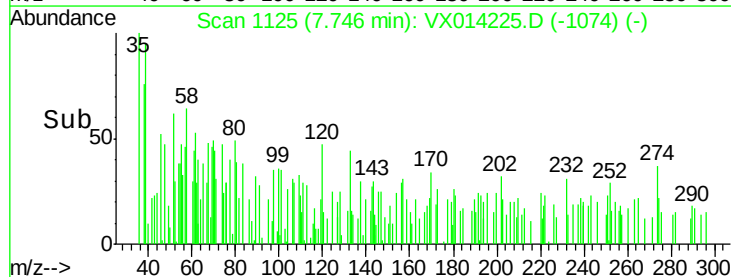
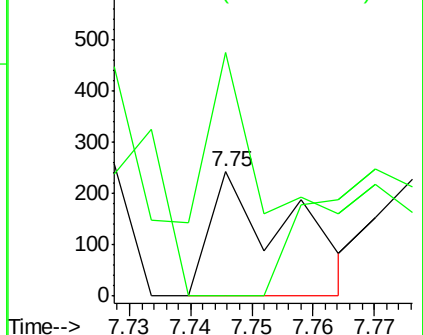
58 91.4 56.8 85.2#

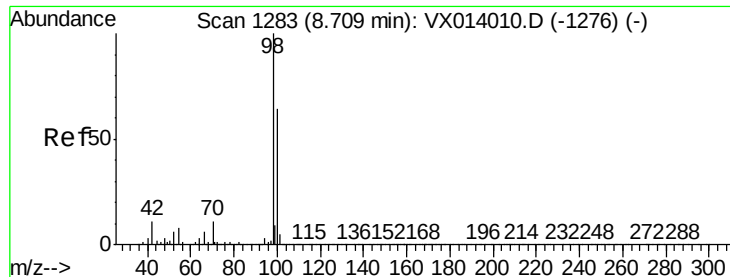


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.587 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

Instrument :

MSVOA_X

ClientSampleId :

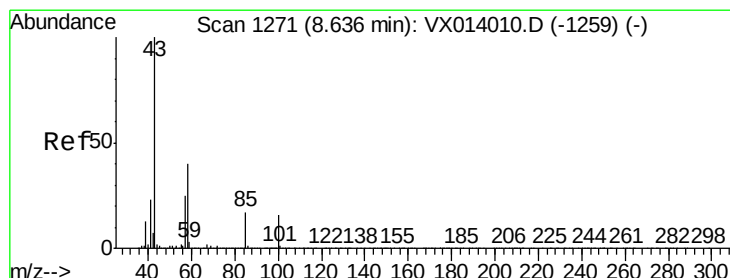
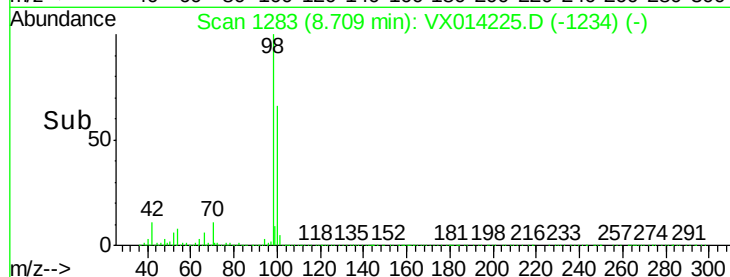
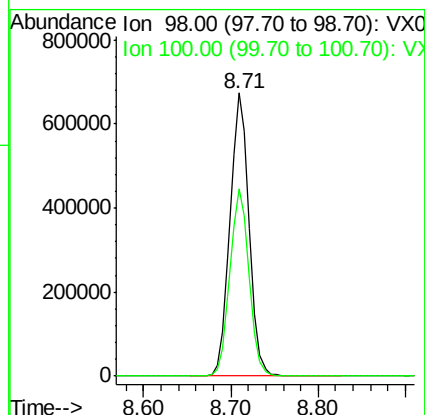
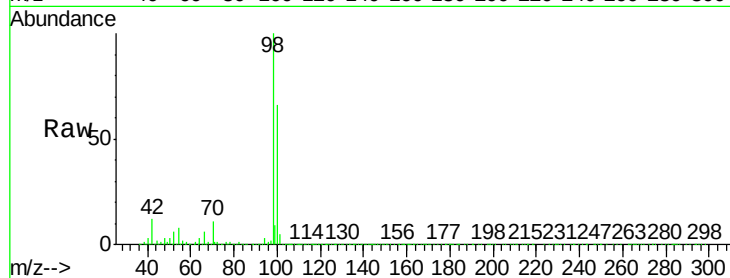
C0B38

Tgt Ion: 98 Resp: 1019310

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 0.406 ug/l

RT: 8.64 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VX014225.D

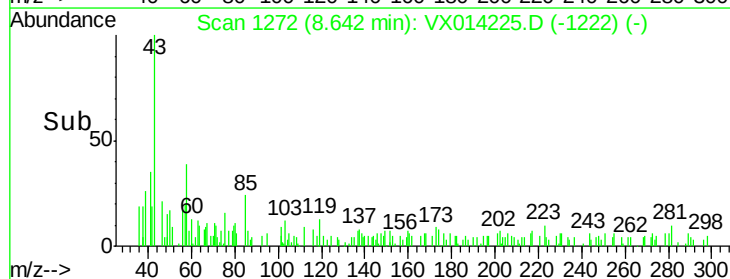
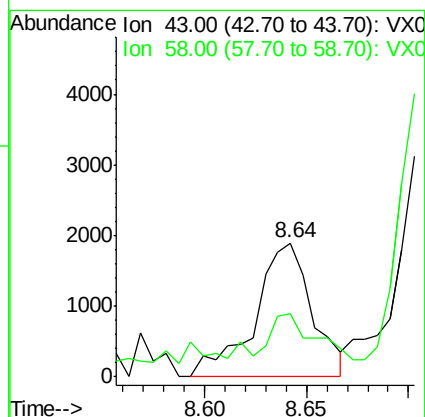
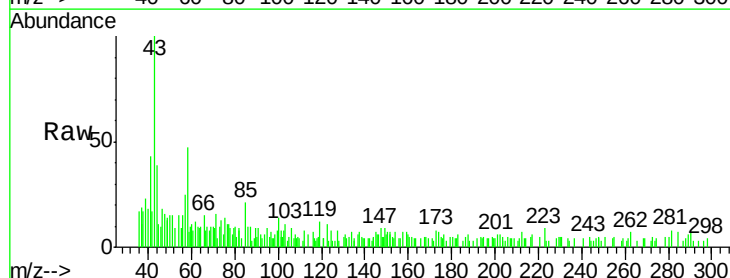
Acq: 24 Dec 2019 01:18

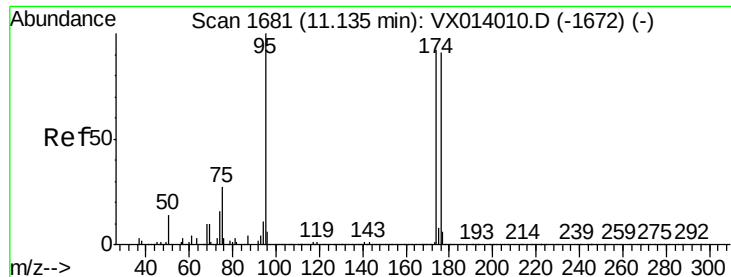
Tgt Ion: 43 Resp: 3711

Ion Ratio Lower Upper

43 100

58 45.0 32.2 48.2





#62

4-Bromofluorobenzene

Concen: 46.718 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

Instrument :

MSVOA_X

ClientSampleId :

C0B38

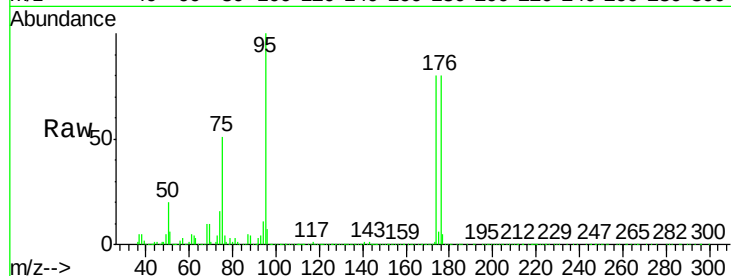
Tgt Ion: 95 Resp: 351046

Ion Ratio Lower Upper

95 100

174 88.4 0.0 175.8

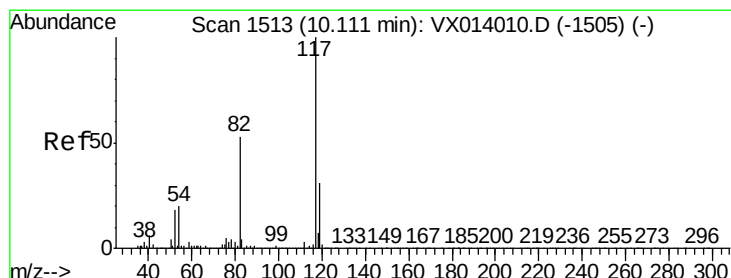
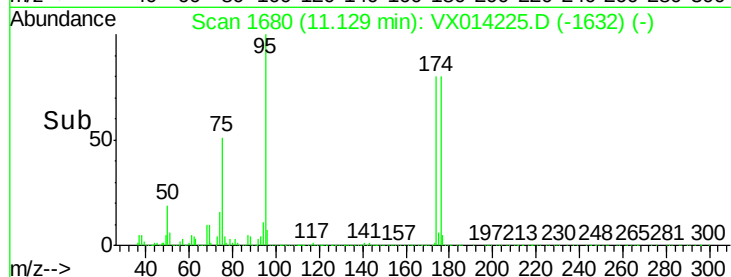
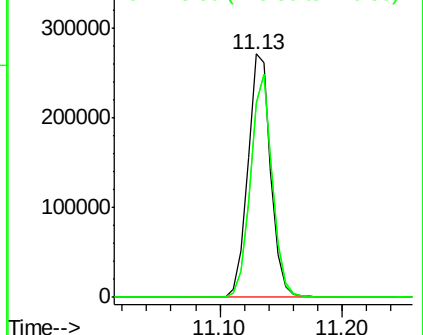
176 87.6 0.0 173.0



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: VX014225.D

Acq: 24 Dec 2019 01:18

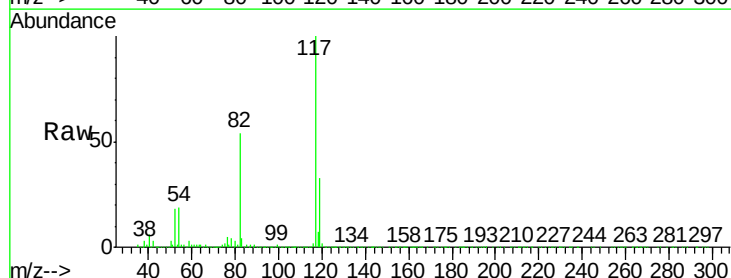
Tgt Ion: 117 Resp: 780559

Ion Ratio Lower Upper

117 100

82 53.5 42.2 63.4

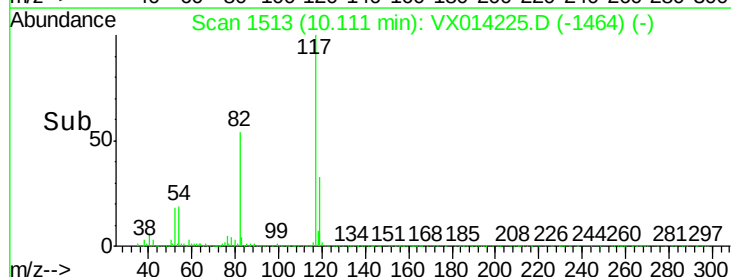
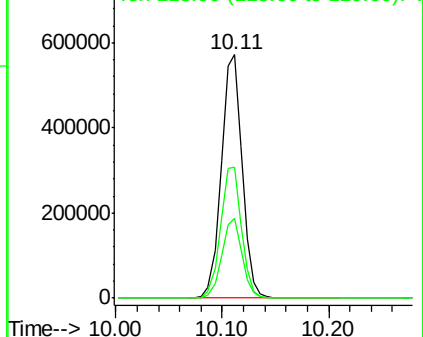
119 32.7 25.1 37.7

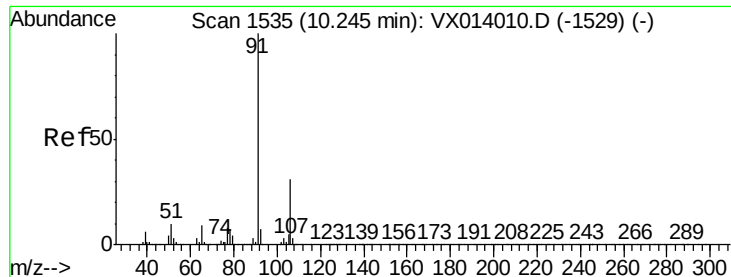


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 0.624 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

Instrument :

MSVOA_X

ClientSampleId :

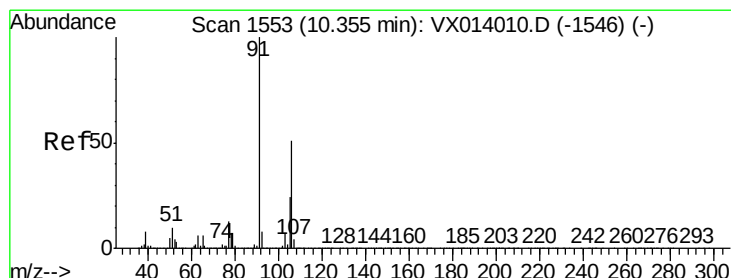
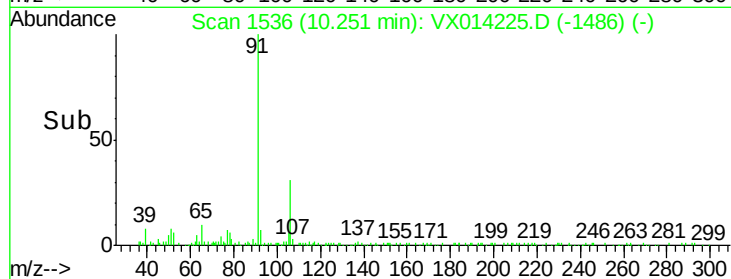
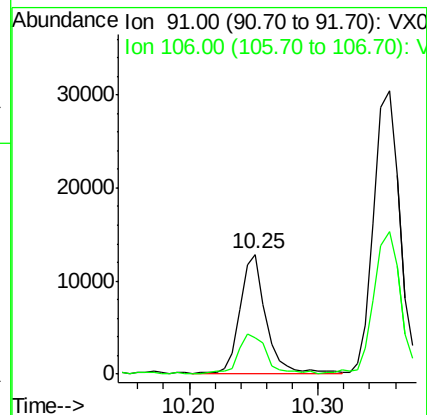
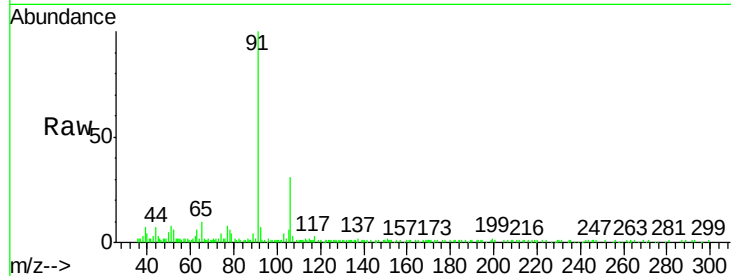
C0B38

Tgt Ion: 91 Resp: 17814

Ion Ratio Lower Upper

91 100

106 30.3 25.0 37.6



#68

m/p-Xylenes

Concen: 1.978 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014225.D

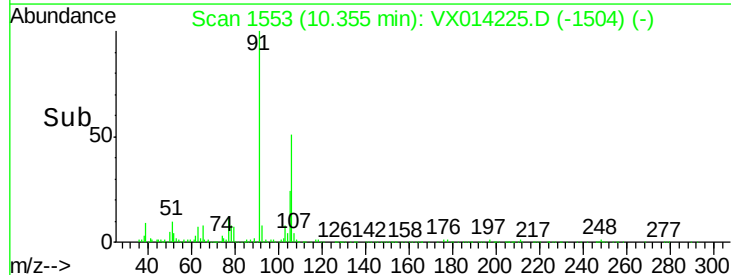
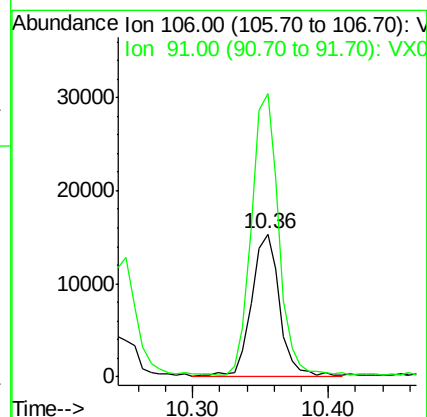
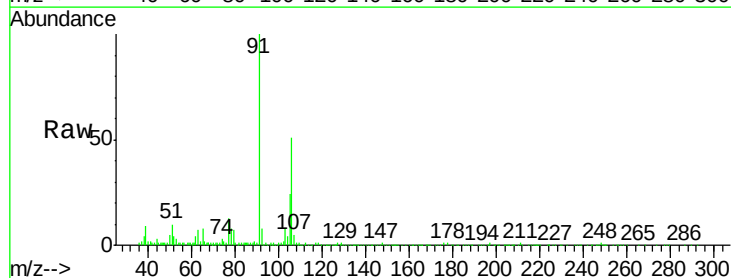
Acq: 24 Dec 2019 01:18

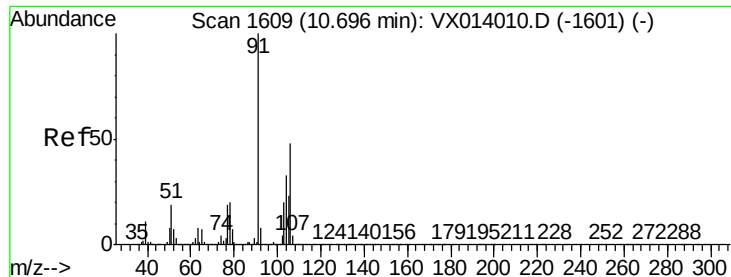
Tgt Ion: 106 Resp: 21705

Ion Ratio Lower Upper

106 100

91 196.3 158.6 238.0

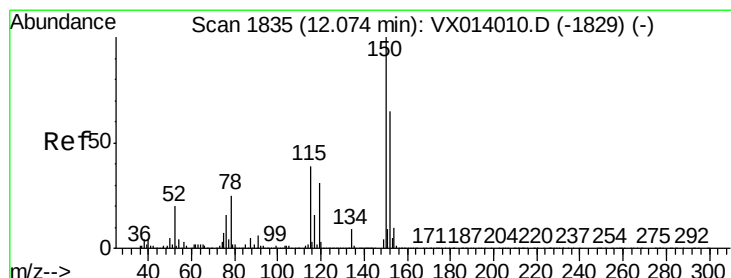
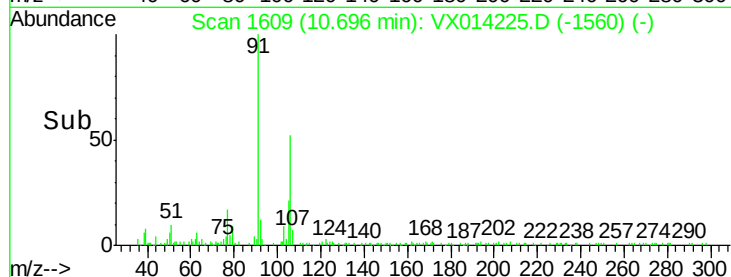
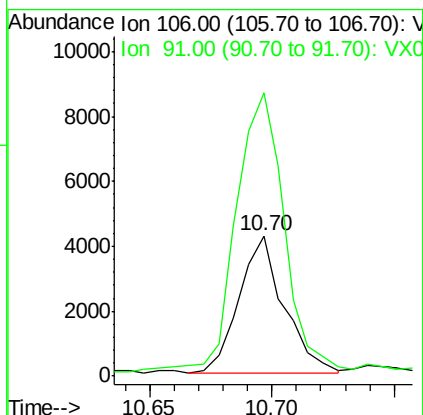
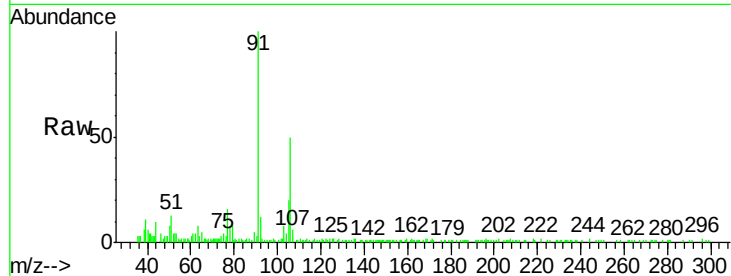




#69
o-Xylene
Concen: 0.503 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014225.D
Acq: 24 Dec 2019 01:18

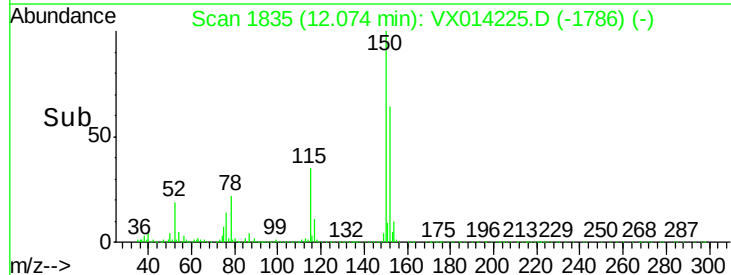
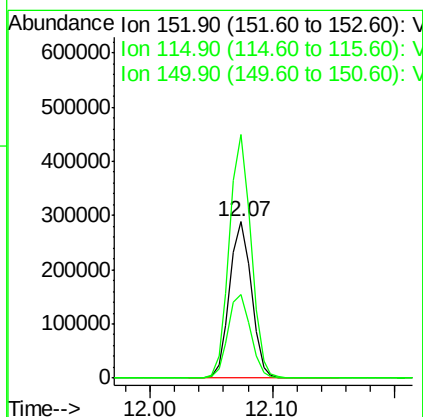
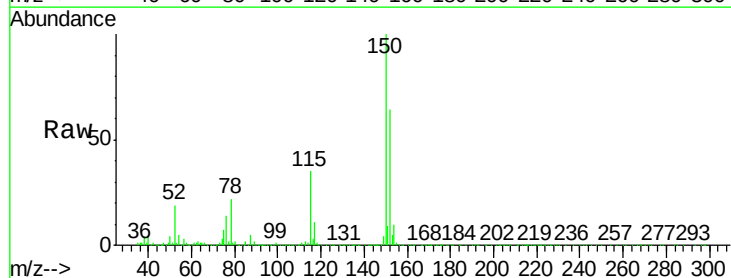
Instrument :
MSVOA_X
ClientSampleId :
C0B38

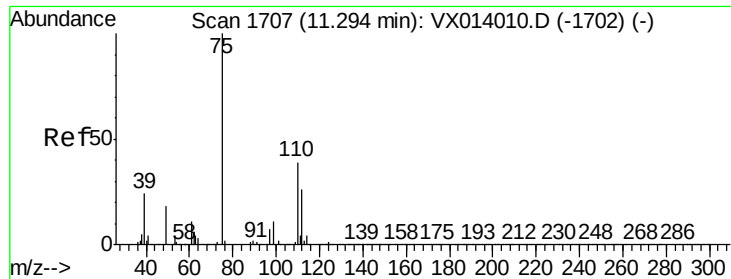
Tgt Ion:106 Resp: 5409
Ion Ratio Lower Upper
106 100
91 218.4 104.2 312.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014225.D
Acq: 24 Dec 2019 01:18

Tgt Ion:152 Resp: 354813
Ion Ratio Lower Upper
152 100
115 55.3 38.3 114.9
150 155.1 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 22.444 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

Instrument :

MSVOA_X

ClientSampleId :

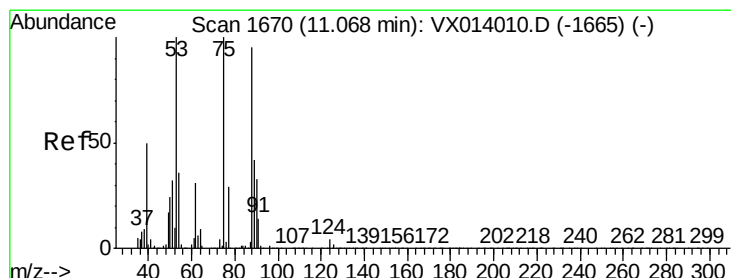
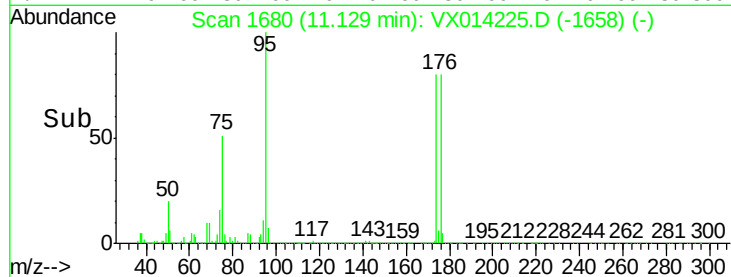
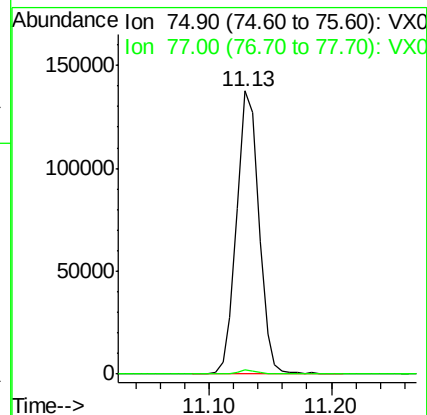
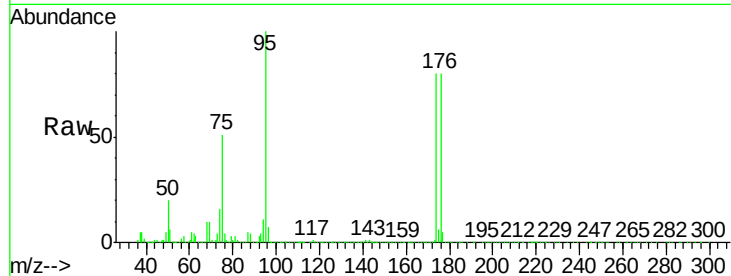
C0B38

Tgt Ion: 75 Resp: 172887

Ion Ratio Lower Upper

75 100

77 1.2 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.350 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014225.D

Acq: 24 Dec 2019 01:18

Tgt Ion: 75 Resp: 172887

Ion Ratio Lower Upper

75 100

53 0.4 76.7 115.1#

89 0.2 34.6 51.8#

