

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111519\
 Data File : VX013435.D
 Acq On : 15 Nov 2019 10:41
 Operator : JC/SP
 Sample : VX1115WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115WBL01

Quant Time: Nov 15 22:58:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	701544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1120022	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	995495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	441946	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	405693	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	5.48	113	340885	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	8.71	98	1334645	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.13	95	444194	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	

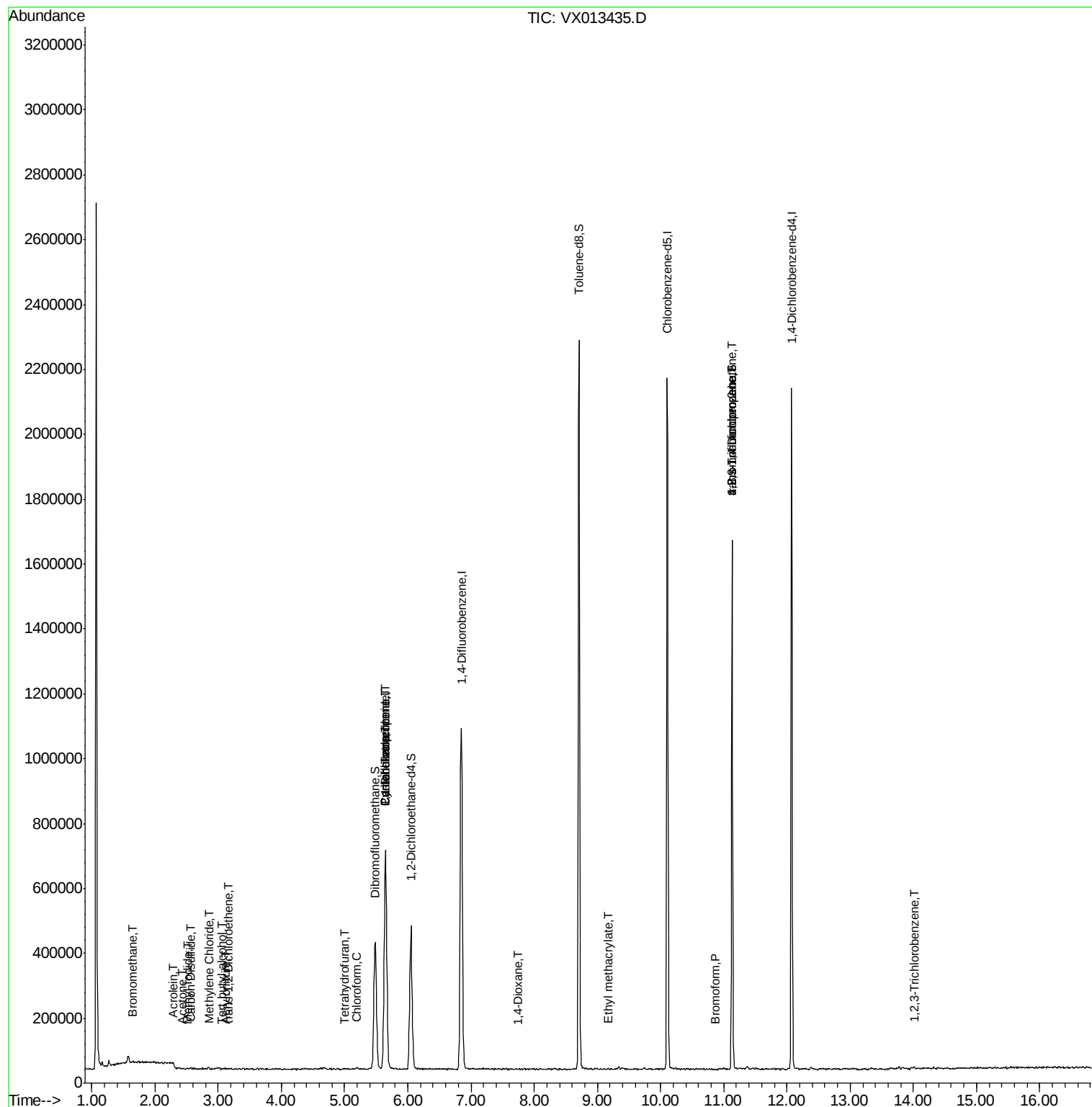
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	2019	0.290	ug/l #	56
6) Chloroethane	1.67	64	913	Below Cal	#	49
10) Methyl Iodide	2.51	142	2349	0.289	ug/l #	50
11) Tert butyl alcohol	3.06	59	617	0.282	ug/l #	51
13) Acrolein	2.28	56	780	0.657	ug/l	95
15) Acrylonitrile	3.13	53	2203	0.538	ug/l #	28
16) Acetone	2.43	43	1185	0.286	ug/l #	67
17) Carbon Disulfide	2.56	76	4418	0.257	ug/l #	76
20) Methylene Chloride	2.84	84	3289	0.429	ug/l #	86
21) trans-1,2-Dichloroethene	3.16	96	2063	0.294	ug/l #	13
29) Tetrahydrofuran	5.00	42	870	0.232	ug/l	87
30) Chloroform	5.20	83	8316	0.667	ug/l #	76
31) Cyclohexane	5.64	56	12936	1.138	ug/l #	15
36) 1,1-Dichloropropene	5.64	75	46876	4.879	ug/l #	51
38) Carbon Tetrachloride	5.65	117	63188	6.725	ug/l #	17
49) 1,4-Dioxane	7.74	88	318	1.505	ug/l #	33
56) Ethyl methacrylate	9.17	69	236	1.580	ug/l #	1
71) Bromoform	10.86	173	305	3.244	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	214025	23.843	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	214025	61.371	ug/l #	9
96) 1,2,3-Trichlorobenzene	14.02	180	2103	0.216	ug/l	82

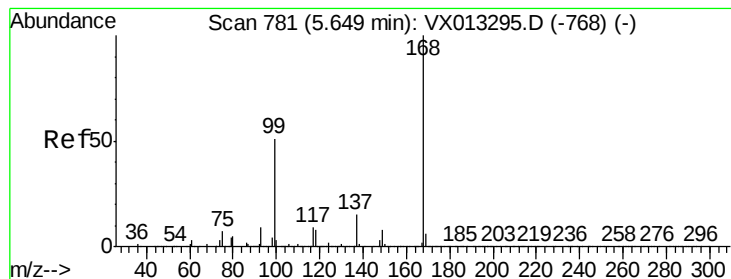
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111519\
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Instrument :
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ClientSampleId :
VX1115WBL01

Quant Time: Nov 15 22:58:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 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: VX013435.D

Acq: 15 Nov 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

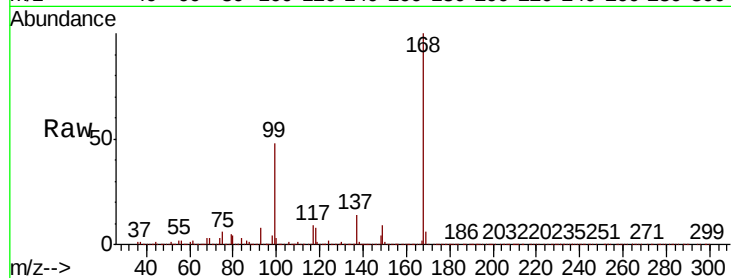
VX1115WBL01

Tot Ion:168 Resp: 701544

Ion Ratio Lower Upper

168 100

99 48.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

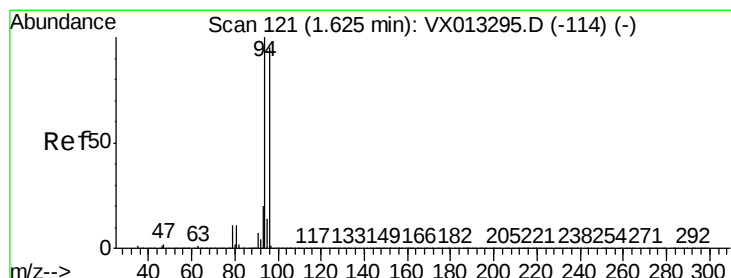
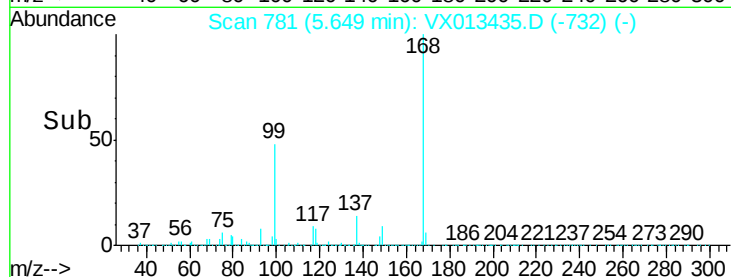
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.290 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.03 min

Lab File: VX013435.D

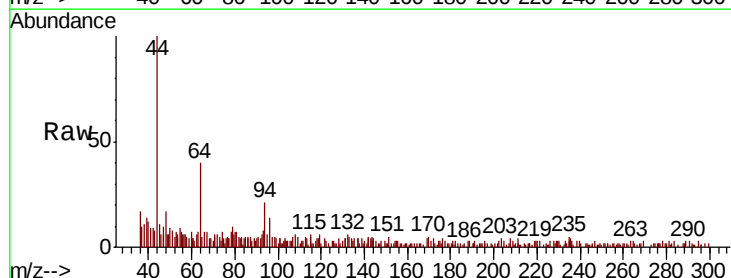
Acq: 15 Nov 2019 10:41

Tgt Ion: 94 Resp: 2019

Ion Ratio Lower Upper

94 100

96 52.5 75.8 113.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

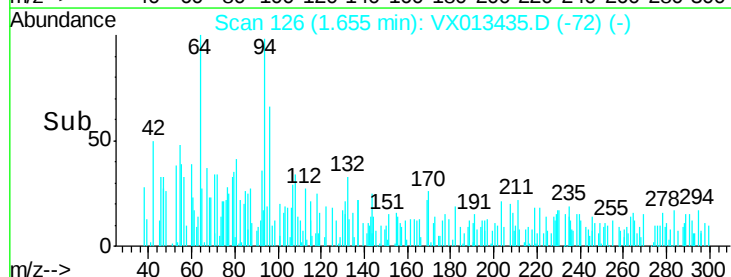
1.66

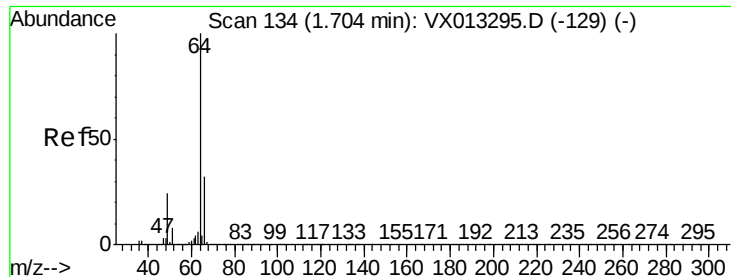
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 128

Delta R.T. -0.04 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

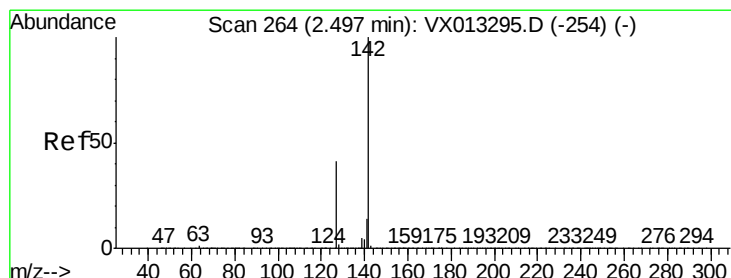
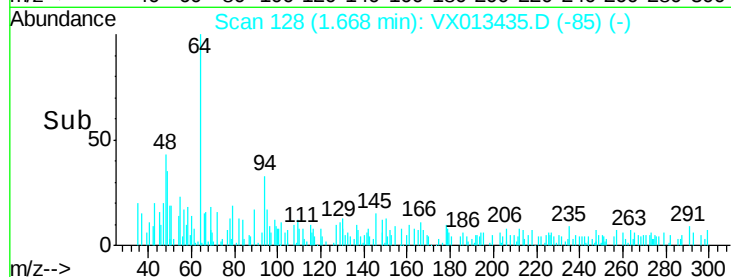
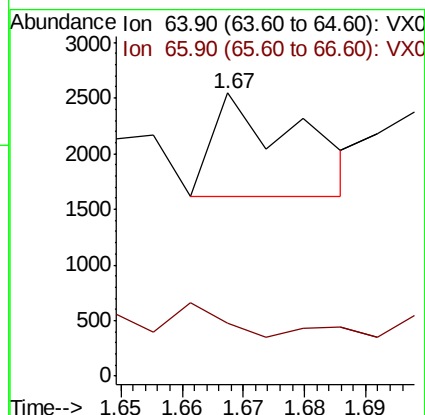
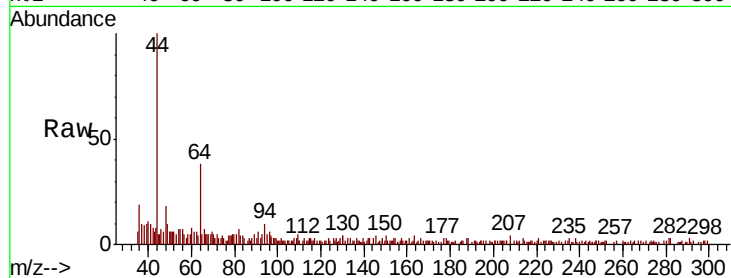
VX1115WBL01

Tot Ion: 64 Resp: 913

Ion Ratio Lower Upper

64 100

66 3.8 25.6 38.4#



#10

Methyl Iodide

Concen: 0.289 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

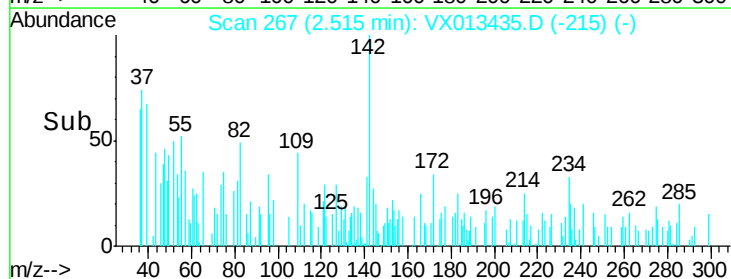
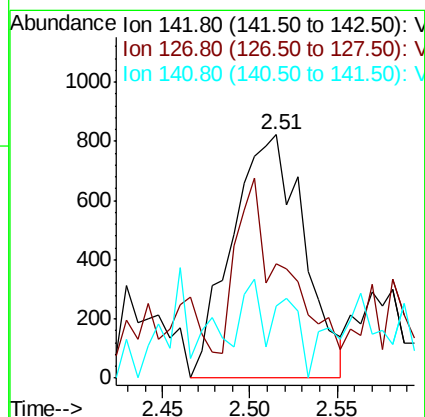
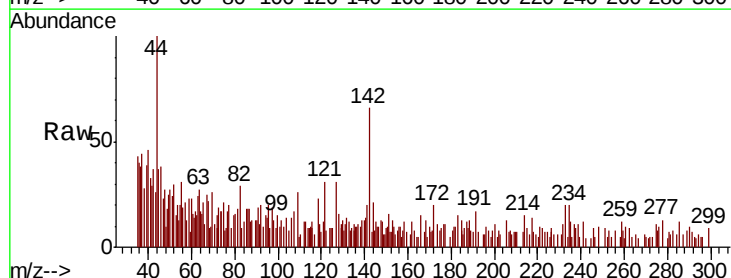
Tgt Ion: 142 Resp: 2349

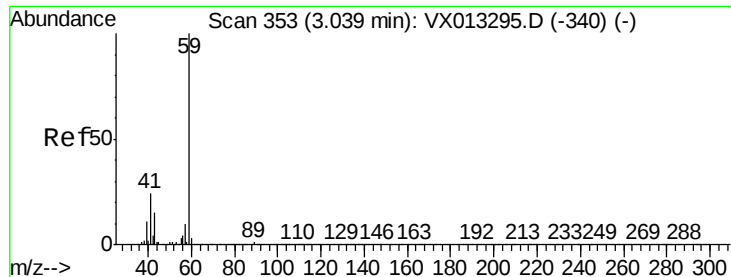
Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

141 11.5 11.6 17.4#

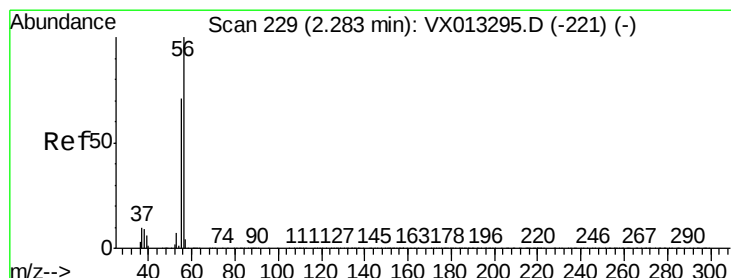
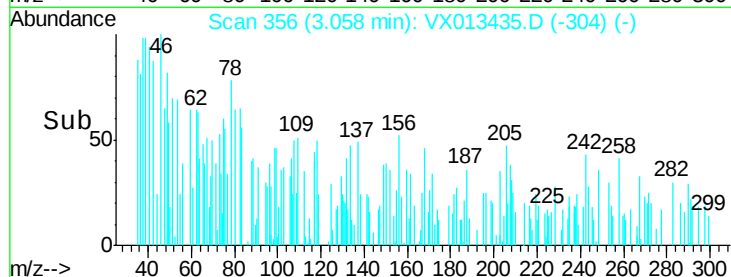
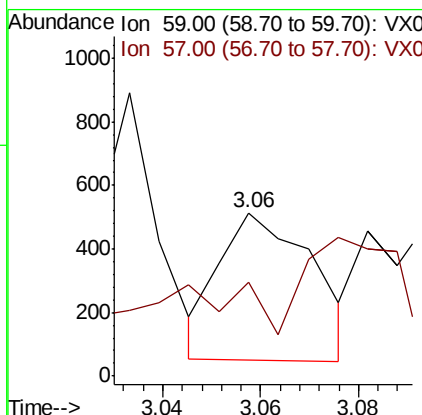
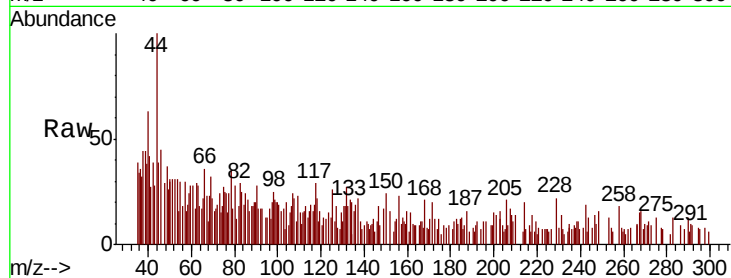




#11
Tert butyl alcohol
Concen: 0.282 ug/l
RT: 3.06 min Scan# 356
Delta R.T. 0.02 min
Lab File: VX013435.D
Acq: 15 Nov 2019 10:41

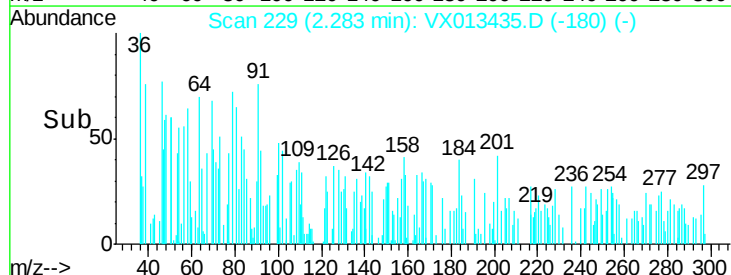
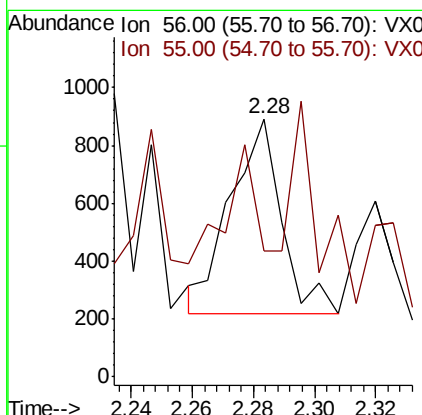
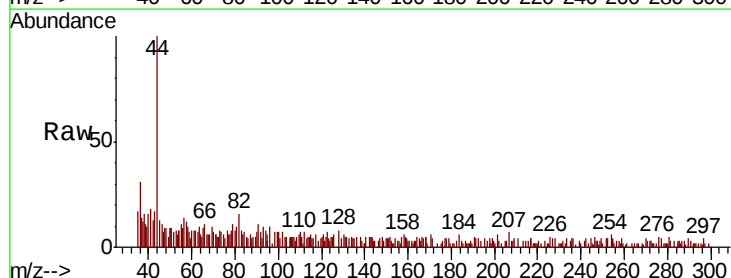
Instrument :
MSVOA_X
ClientSampleId :
VX1115WBL01

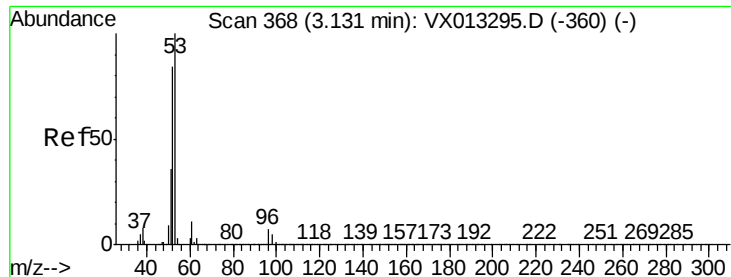
Tot Ion: 59 Resp: 617
Ion Ratio Lower Upper
59 100
57 28.0 8.0 12.0#



#13
Acrolein
Concen: 0.657 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013435.D
Acq: 15 Nov 2019 10:41

Tgt Ion: 56 Resp: 780
Ion Ratio Lower Upper
56 100
55 67.2 57.4 86.0





#15

Acrylonitrile

Concen: 0.538 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VX1115WBL01

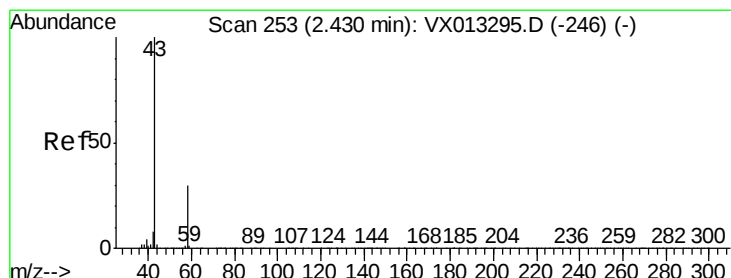
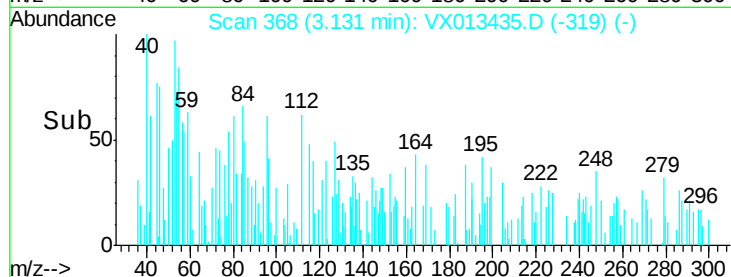
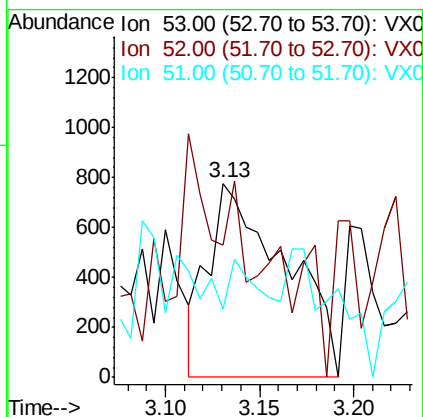
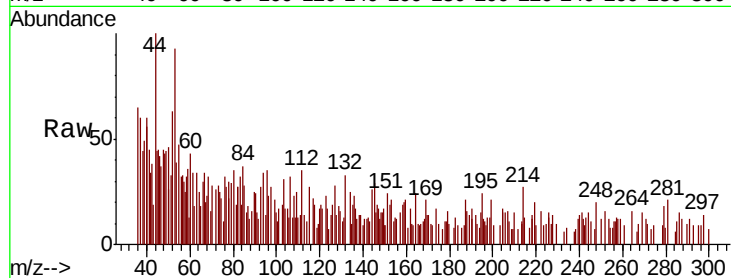
Tot Ion: 53 Resp: 2203

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 21.8 29.4 44.2#



#16

Acetone

Concen: 0.286 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013435.D

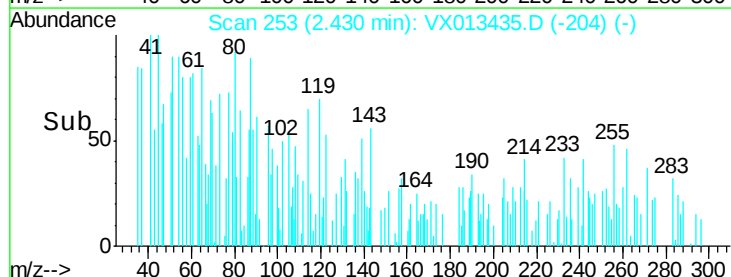
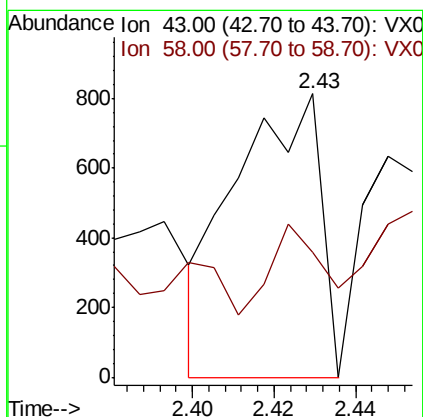
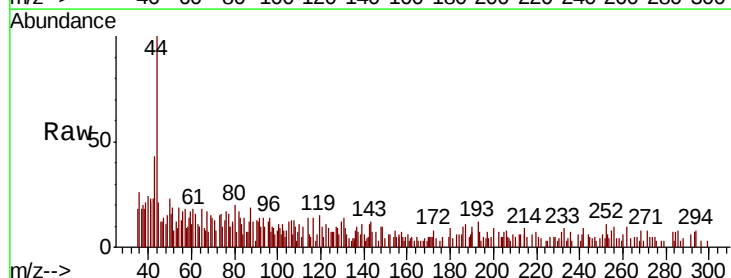
Acq: 15 Nov 2019 10:41

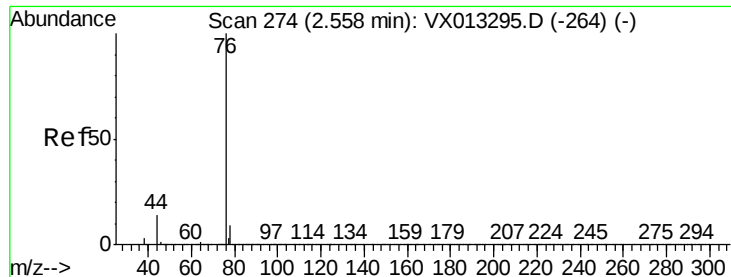
Tgt Ion: 43 Resp: 1185

Ion Ratio Lower Upper

43 100

58 12.5 24.3 36.5#





#17

Carbon Disulfide

Concen: 0.257 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

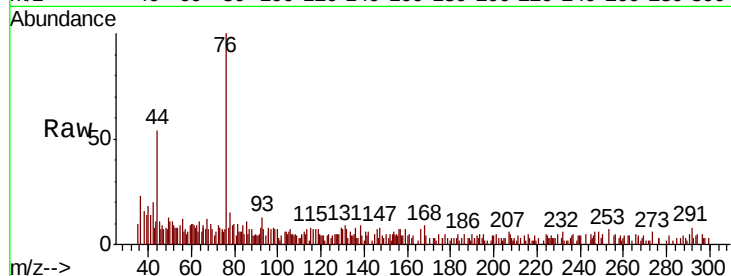
VX1115WBL01

Tot Ion: 76 Resp: 4418

Ion Ratio Lower Upper

76 100

78 17.4 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

3000

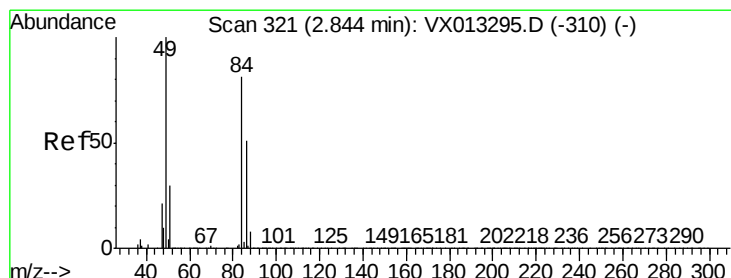
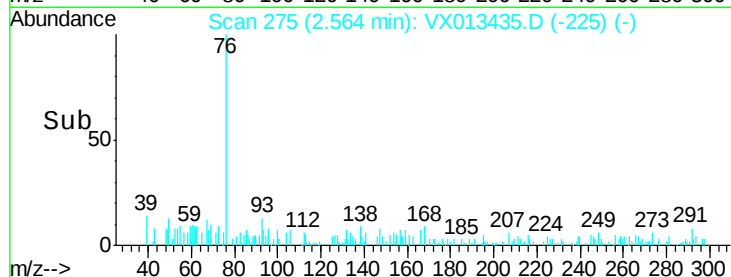
2000

1000

0

Time-->

2.50 2.55 2.60



#20

Methylene Chloride

Concen: 0.429 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

Tgt Ion: 84 Resp: 3289

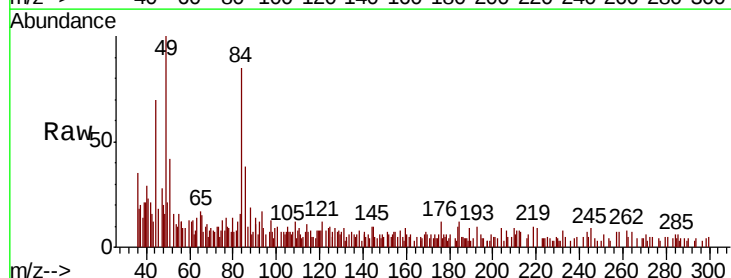
Ion Ratio Lower Upper

84 100

49 117.1 98.2 147.4

51 34.1 29.9 44.9

86 33.2 49.9 74.9#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

3000

2500

2000

1500

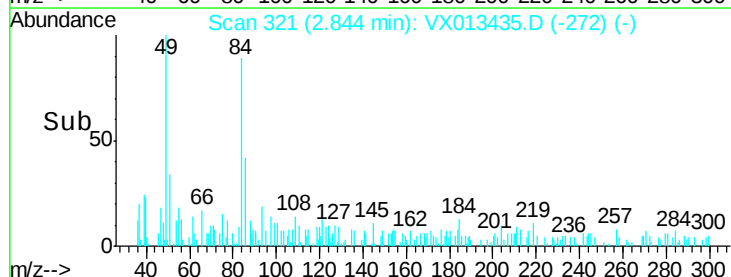
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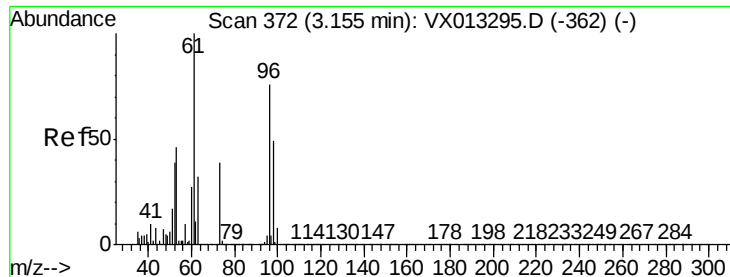
500

0

Time-->

2.80 2.85 2.90





#21

trans-1,2-Dichloroethene

Concen: 0.294 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VX1115WBL01

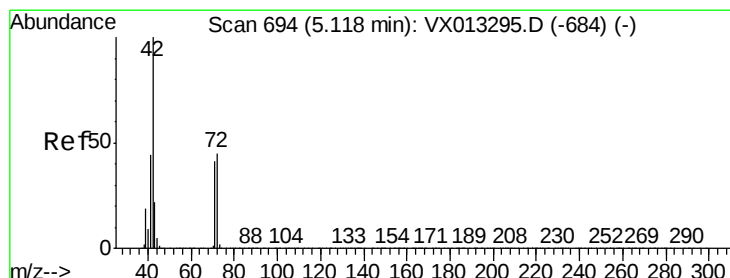
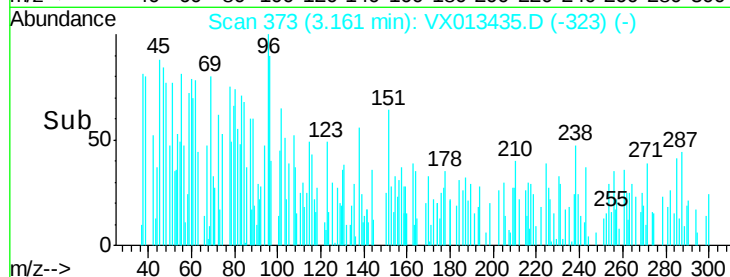
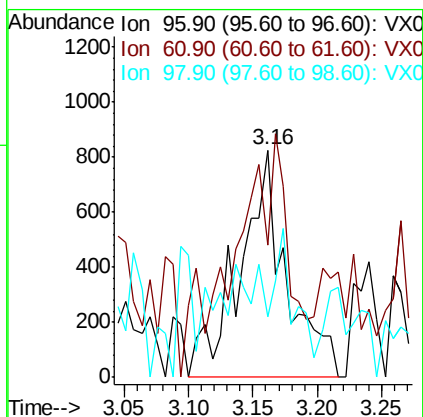
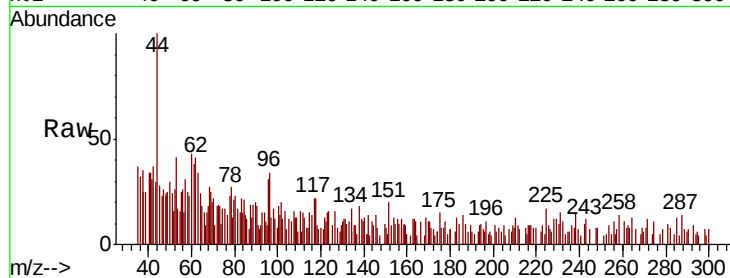
Tot Ion: 96 Resp: 2063

Ion Ratio Lower Upper

96 100

61 26.2 105.8 158.6#

98 0.0 51.8 77.6#



#29

Tetrahydrofuran

Concen: 0.232 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.12 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

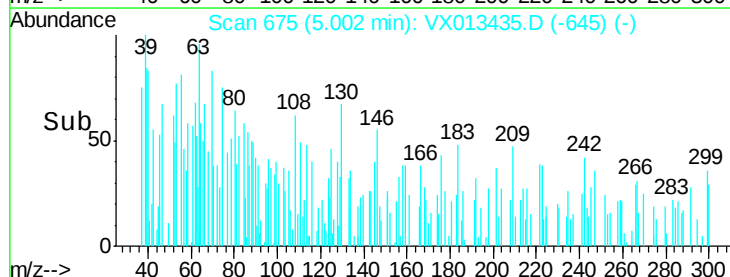
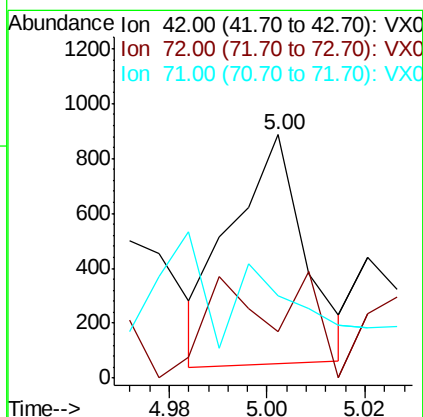
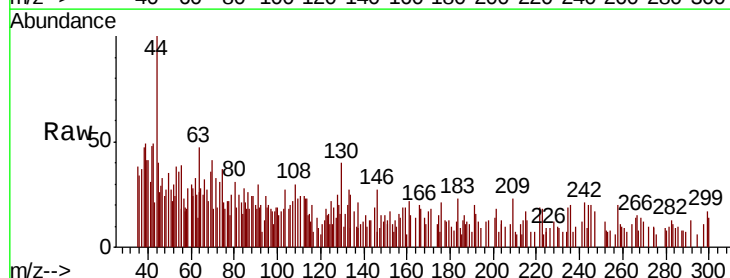
Tgt Ion: 42 Resp: 870

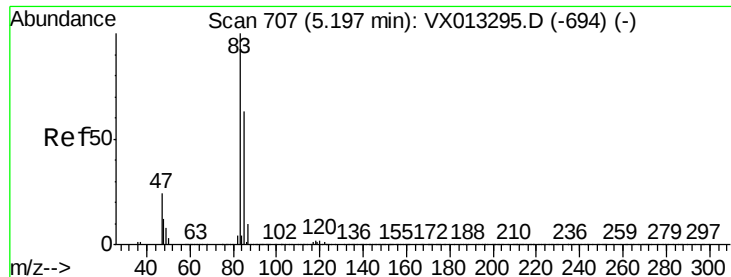
Ion Ratio Lower Upper

42 100

72 36.3 35.8 53.8

71 49.5 33.4 50.0

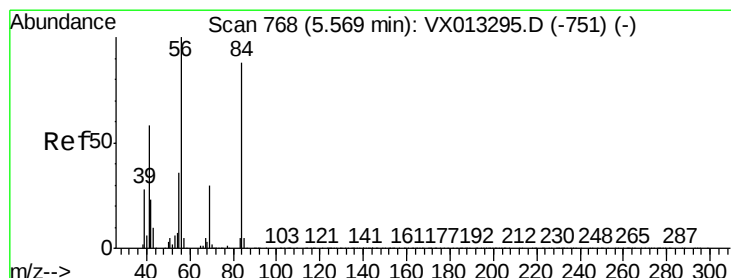
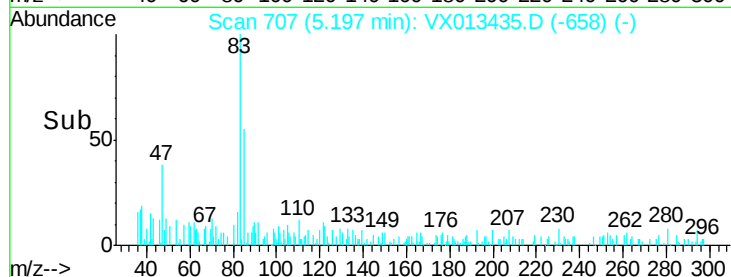
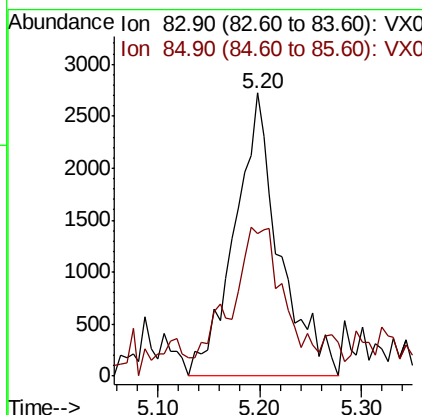
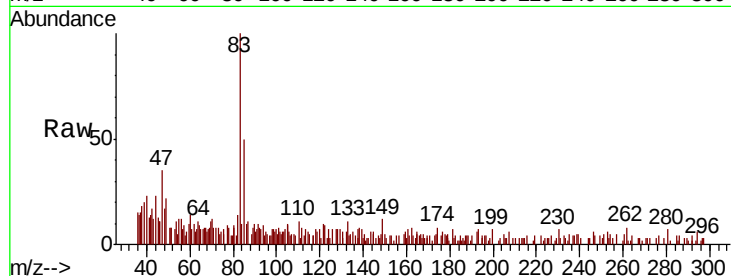




#30
Chloroform
Concen: 0.667 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013435.D
Acq: 15 Nov 2019 10:41

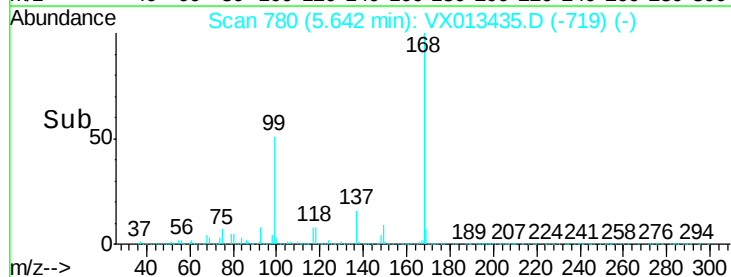
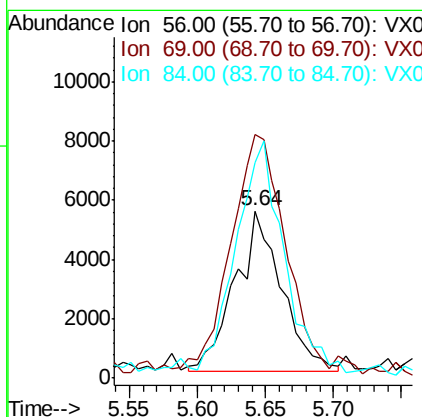
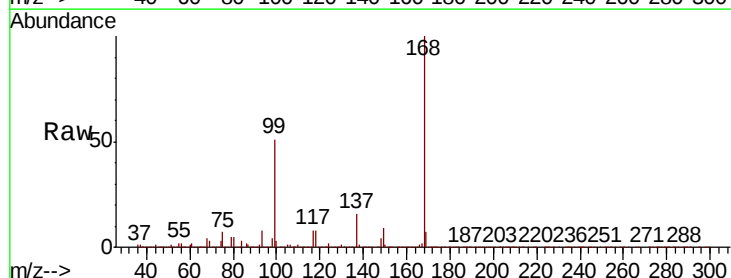
Instrument :
MSVOA_X
ClientSampleId :
VX1115WBL01

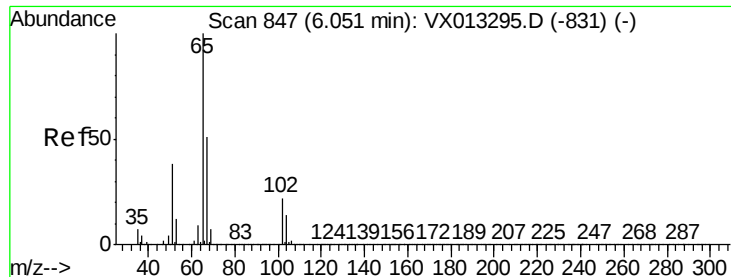
Tot Ion: 83 Resp: 8316
Ion Ratio Lower Upper
83 100
85 44.0 50.2 75.4#



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX013435.D
Acq: 15 Nov 2019 10:41

Tgt Ion: 56 Resp: 12936
Ion Ratio Lower Upper
56 100
69 143.5 23.7 35.5#
84 127.7 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: 48.813 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

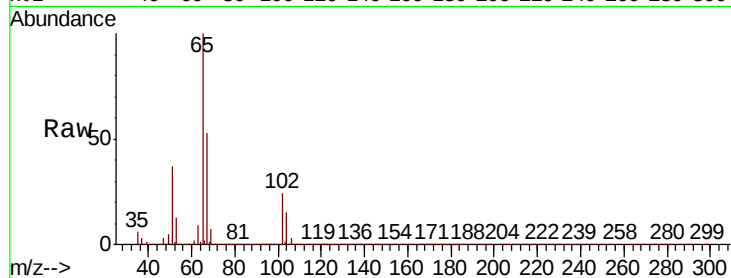
VX1115WBL01

Tot Ion: 65 Resp: 405693

Ion Ratio Lower Upper

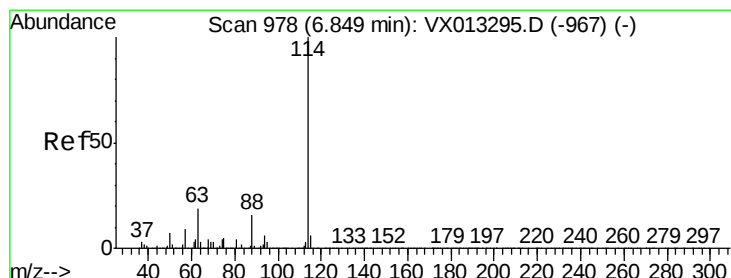
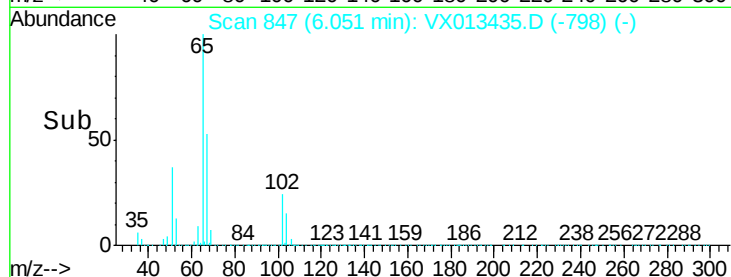
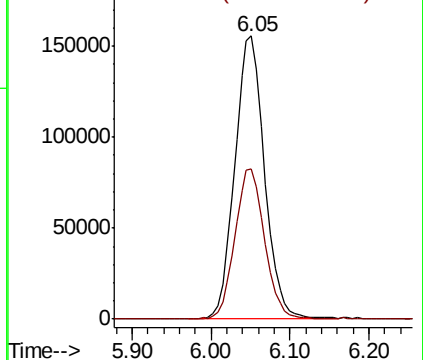
65 100

67 52.9 0.0 104.2



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: VX013435.D

Acq: 15 Nov 2019 10:41

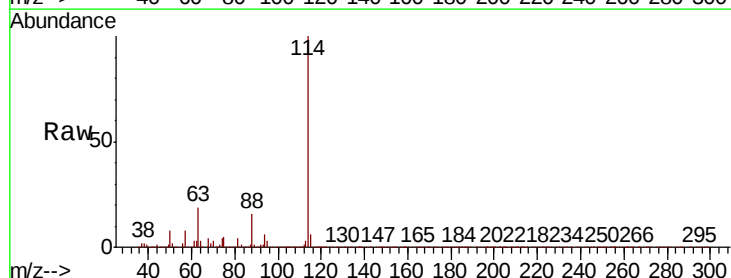
Tgt Ion: 114 Resp: 1120022

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

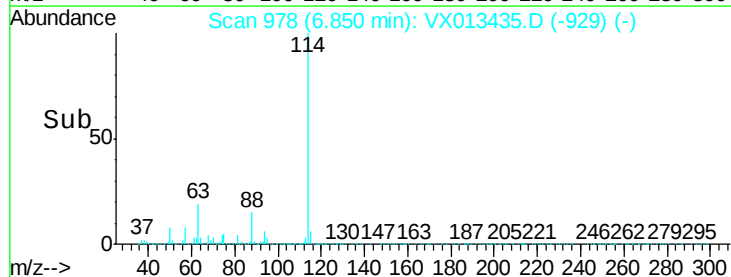
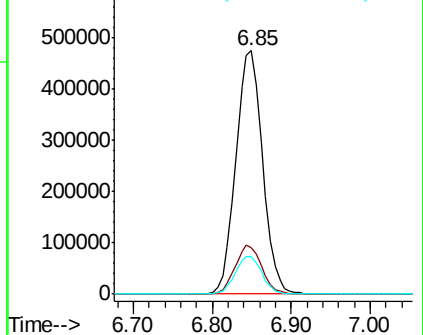
88 15.5 0.0 32.2

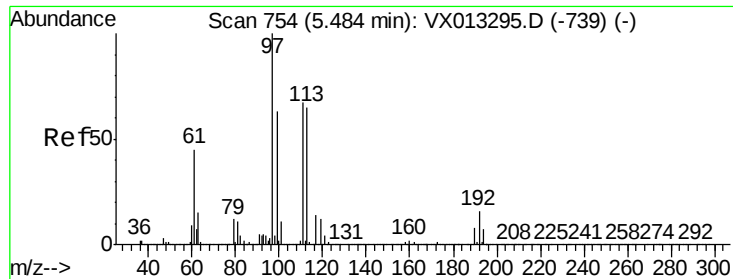


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

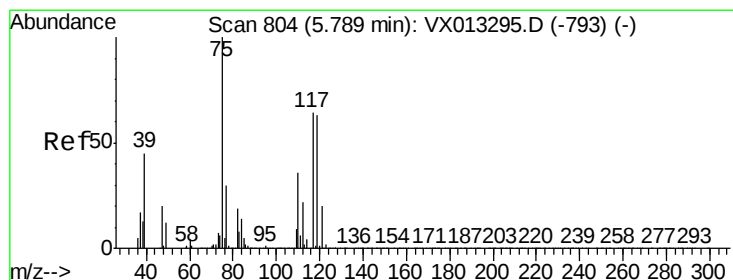
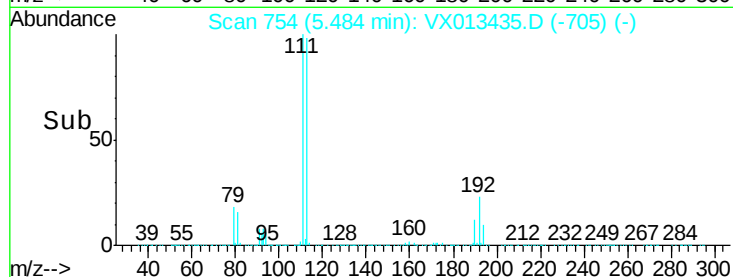
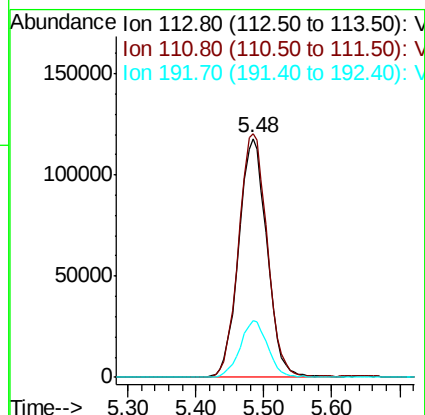
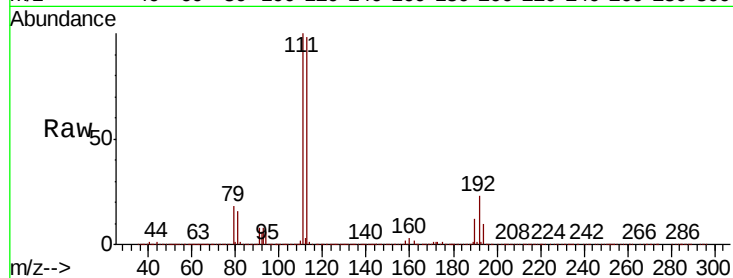




#35
Dibromofluoromethane
Concen: 48.525 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013435.D
Acq: 15 Nov 2019 10:41

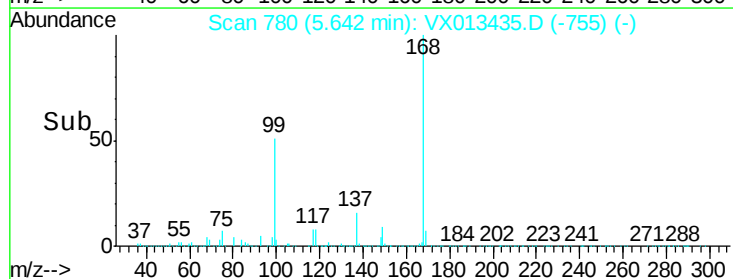
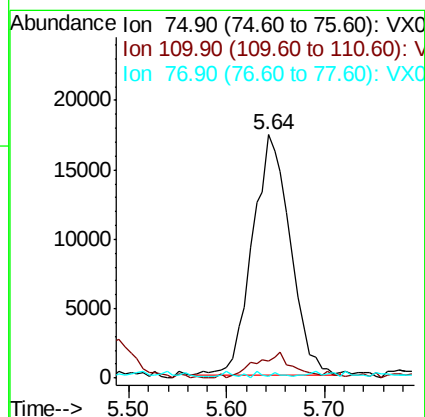
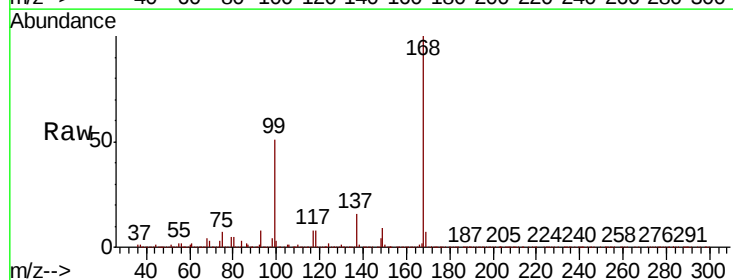
Instrument :
MSVOA_X
ClientSampleId :
VX1115WBL01

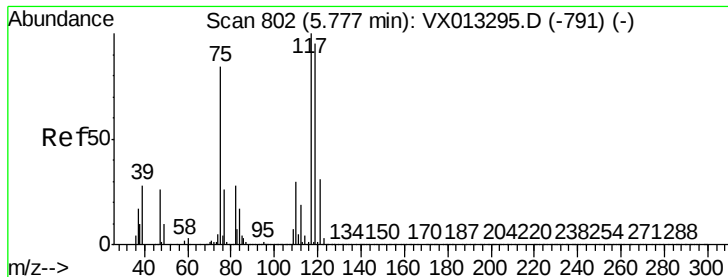
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	22.9	19.1	28.7



#36
1,1-Dichloropropene
Concen: 4.879 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.15 min
Lab File: VX013435.D
Acq: 15 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.1	54.1#
77	0.3	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.725 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VX1115WBL01

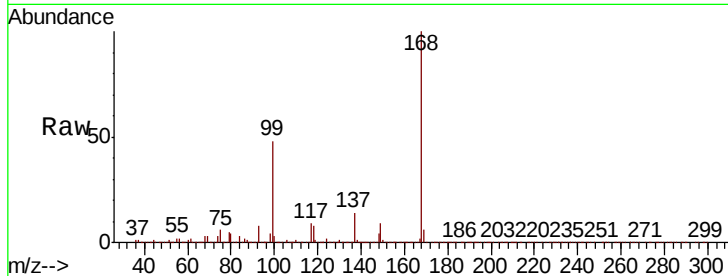
Tot Ion:117 Resp: 63188

Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

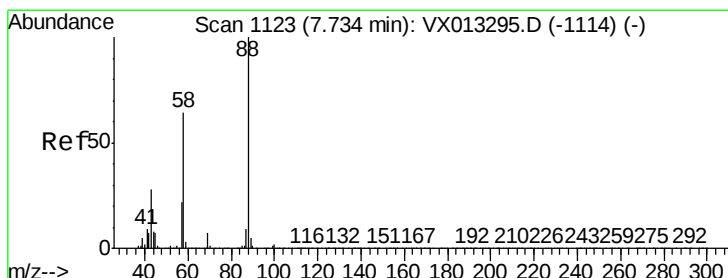
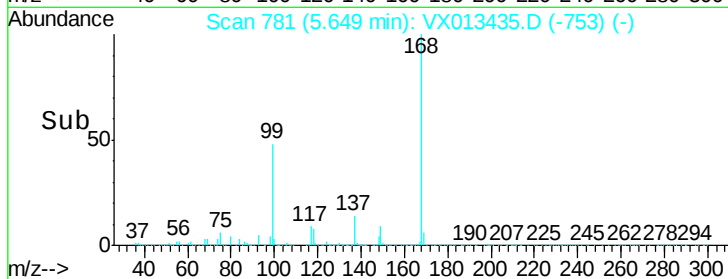
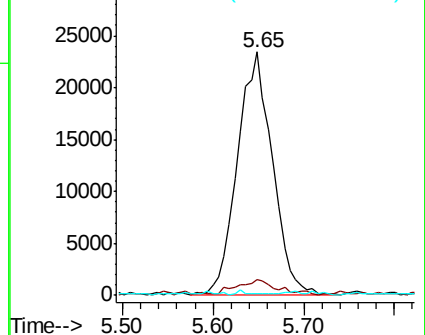
121 0.2 24.6 37.0#



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: 1.505 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

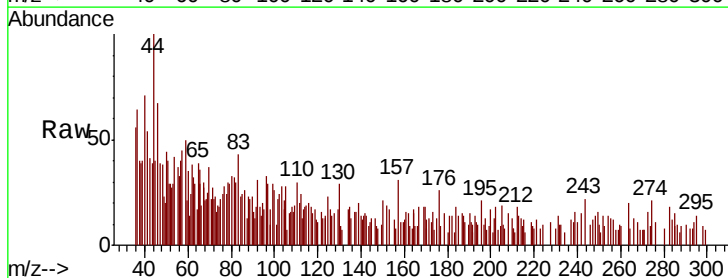
Tgt Ion: 88 Resp: 318

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

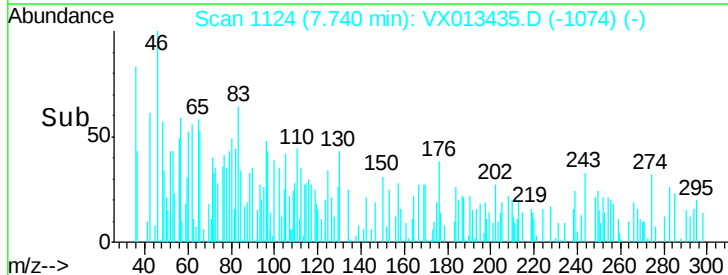
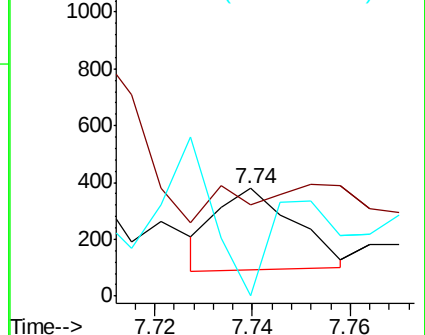
58 126.1 55.0 82.6#

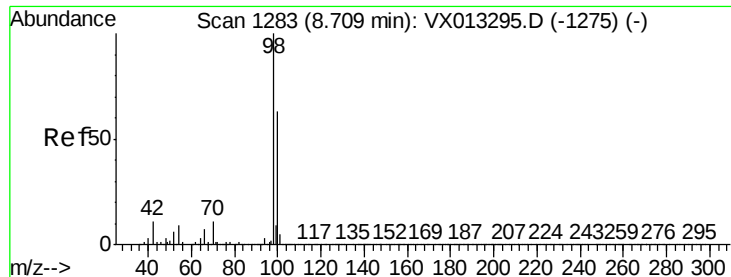


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.396 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

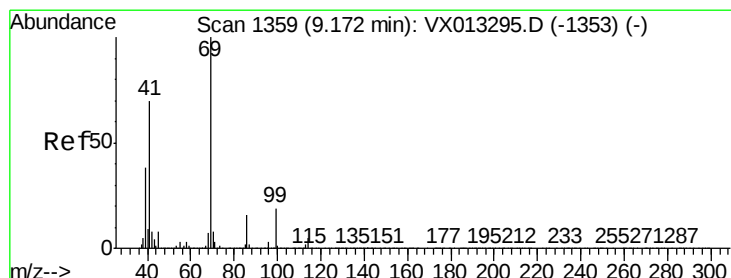
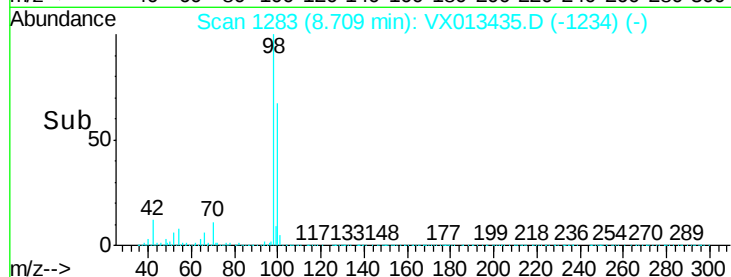
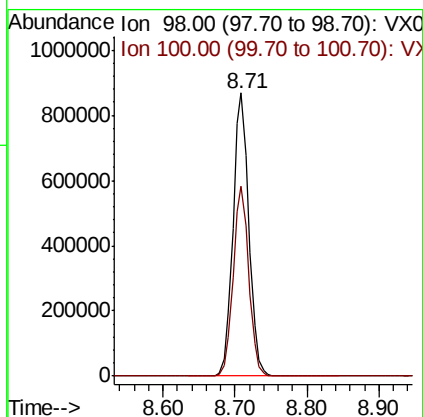
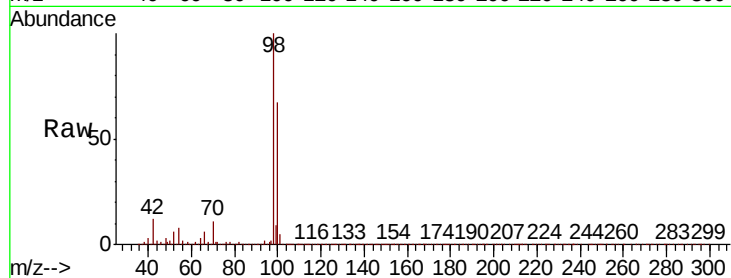
VX1115WBL01

Tot Ion: 98 Resp: 1334645

Ion Ratio Lower Upper

98 100

100 66.3 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.580 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

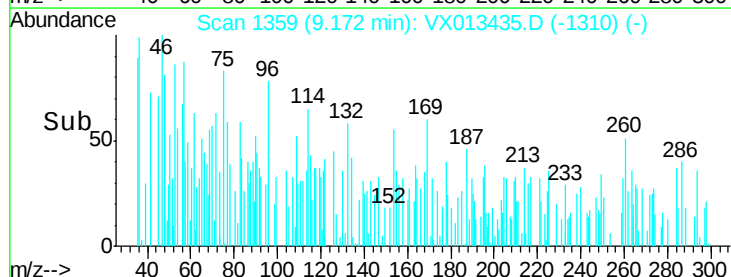
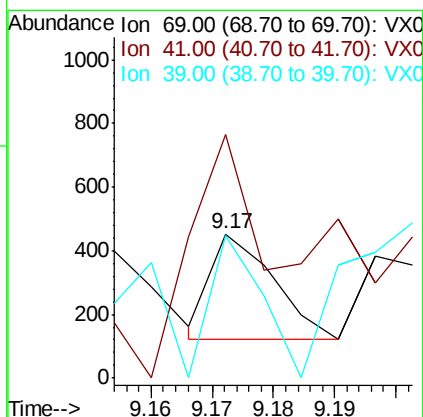
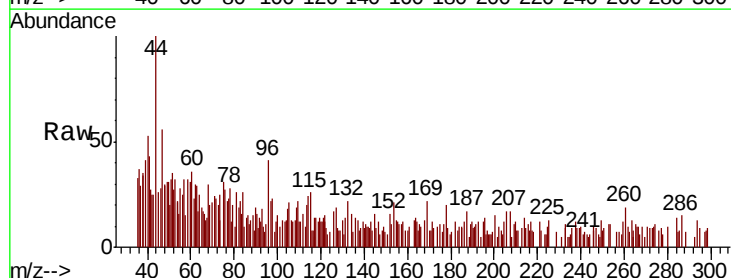
Tgt Ion: 69 Resp: 236

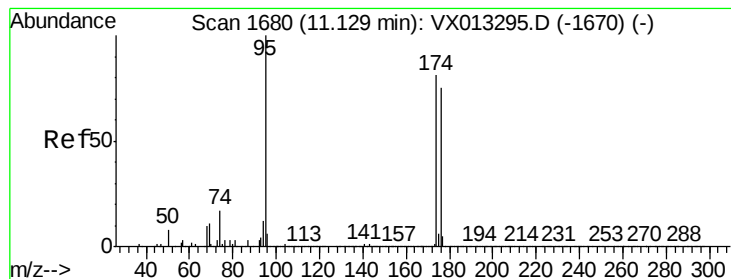
Ion Ratio Lower Upper

69 100

41 295.3 56.2 84.2#

39 109.3 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 46.474 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VX1115WBL01

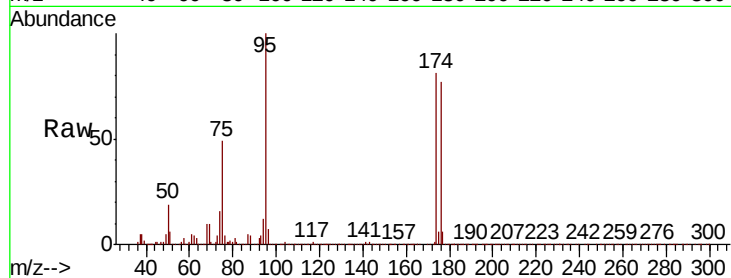
Tot Ion: 95 Resp: 444194

Ion Ratio Lower Upper

95 100

174 87.9 0.0 179.8

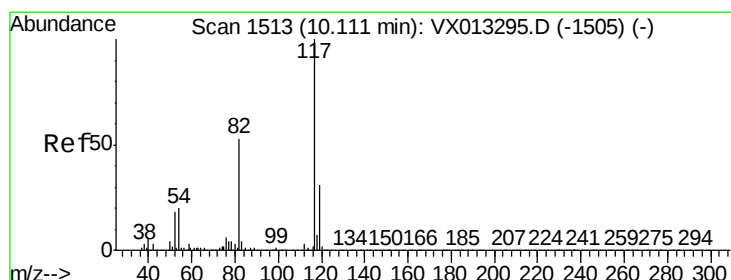
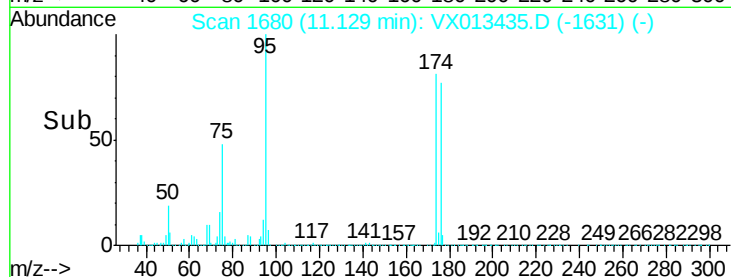
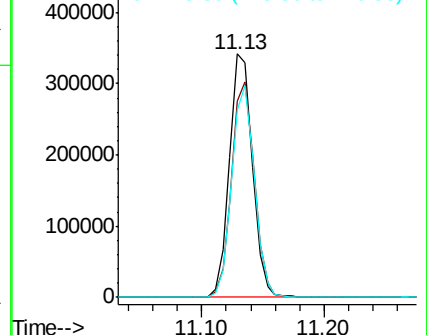
176 85.8 0.0 173.0



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# 1512

Delta R.T. -0.01 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

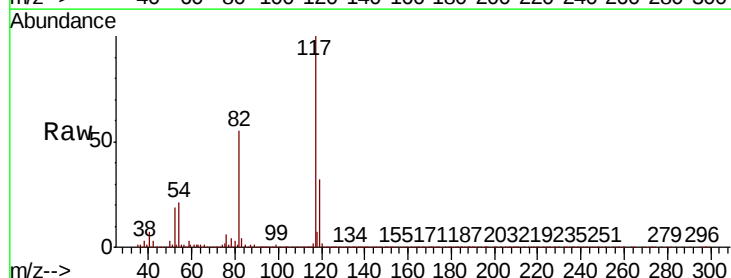
Tgt Ion: 117 Resp: 995495

Ion Ratio Lower Upper

117 100

82 54.7 42.6 64.0

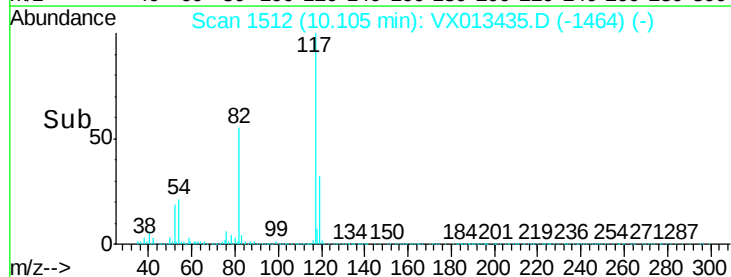
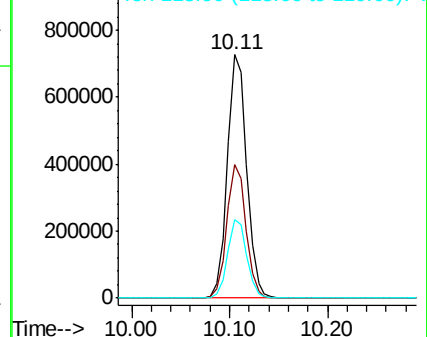
119 32.4 24.8 37.2

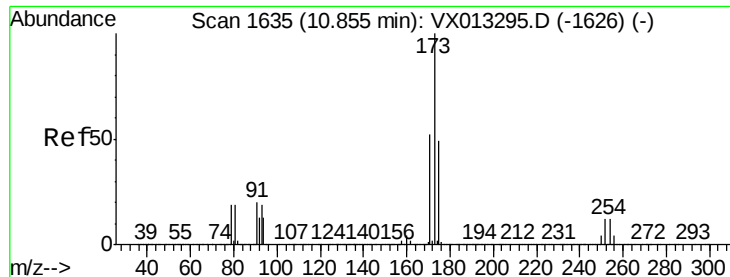


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 3.244 ug/l

RT: 10.86 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

VX1115WBL01

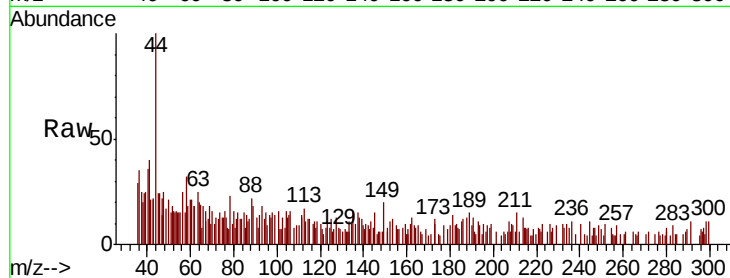
Tot Ion:173 Resp: 305

Ion Ratio Lower Upper

173 100

175 0.0 24.8 74.4#

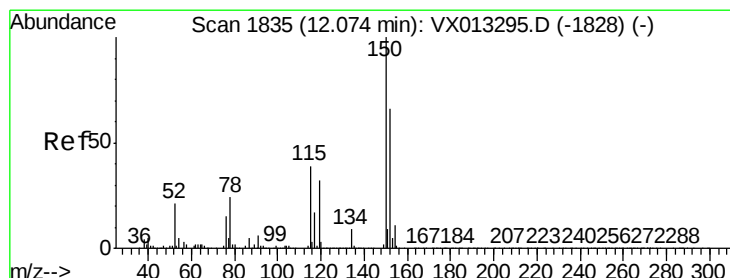
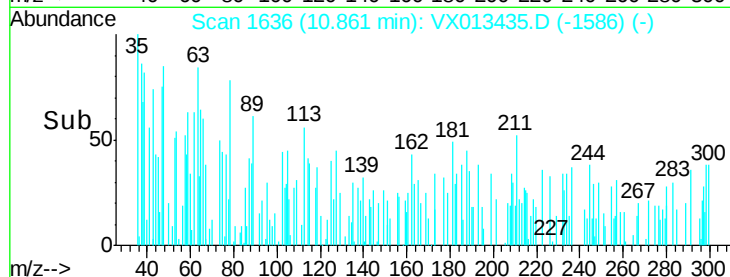
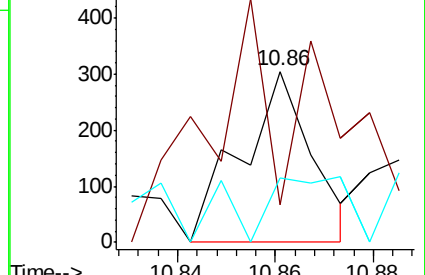
254 54.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

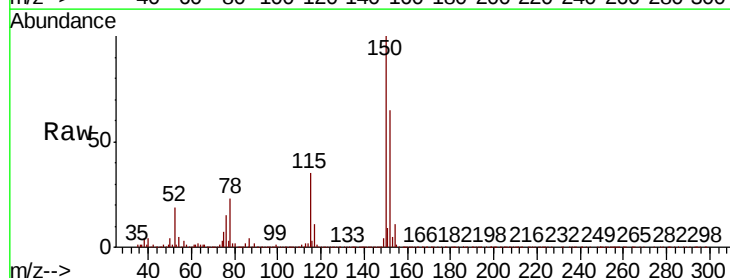
Tgt Ion:152 Resp: 441946

Ion Ratio Lower Upper

152 100

115 56.6 39.5 118.3

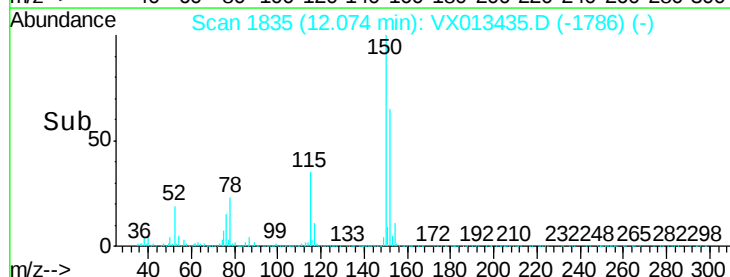
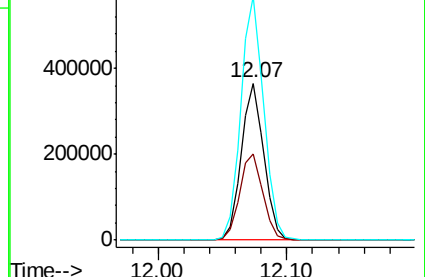
150 157.7 0.0 344.4

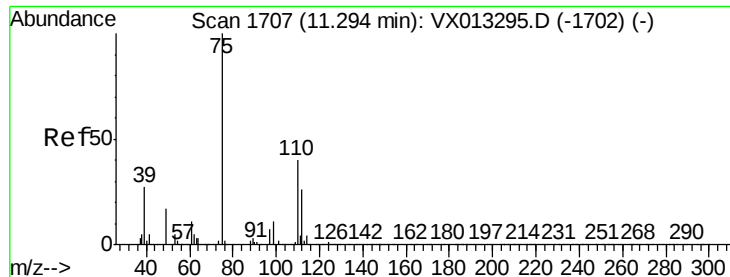


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.843 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

Instrument :

MSVOA_X

ClientSampleId :

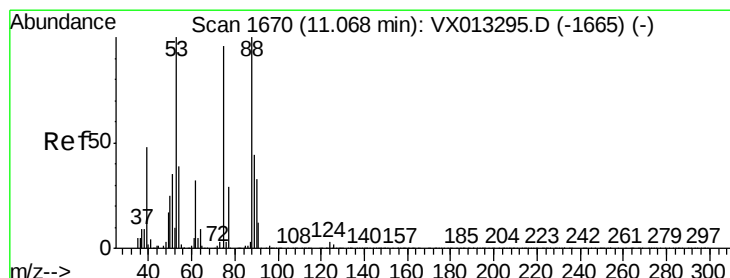
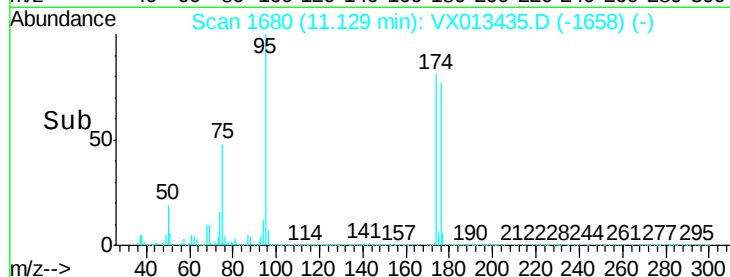
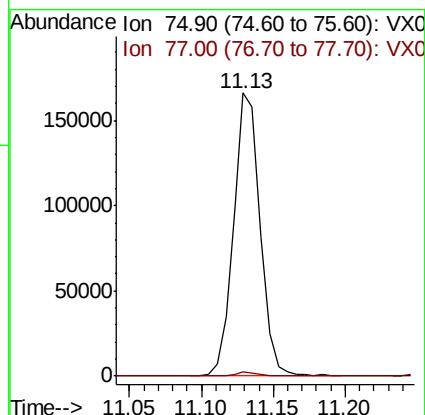
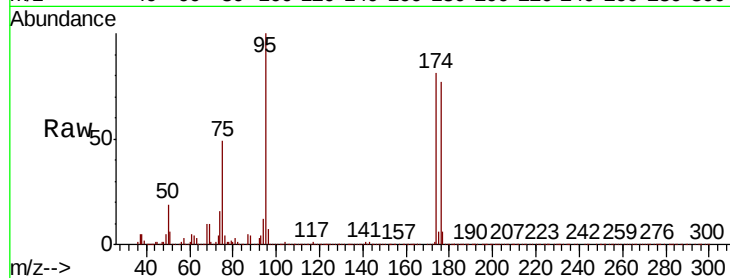
VX1115WBL01

Tot Ion: 75 Resp: 214025

Ion Ratio Lower Upper

75 100

77 1.4 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.371 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013435.D

Acq: 15 Nov 2019 10:41

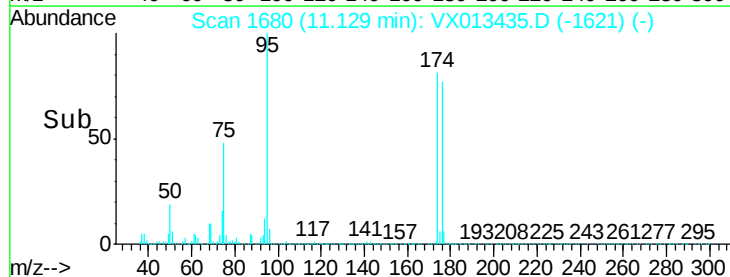
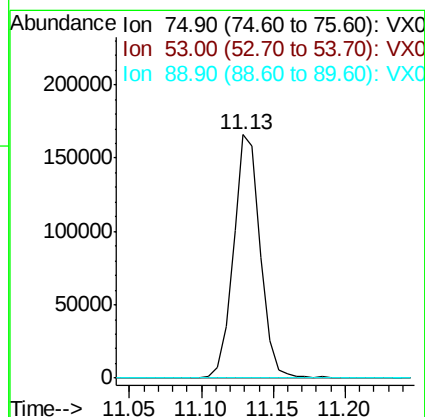
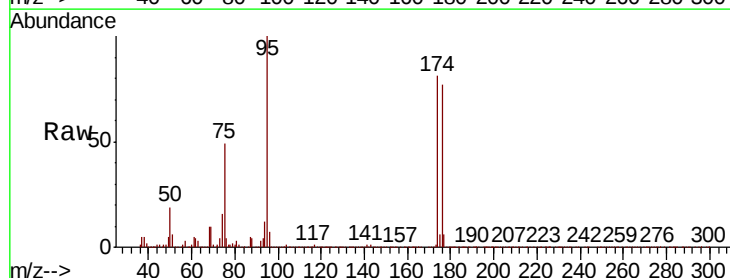
Tgt Ion: 75 Resp: 214025

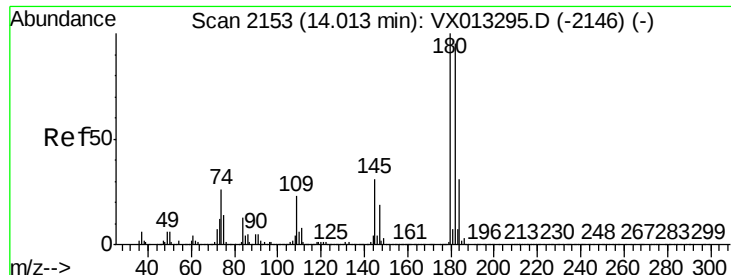
Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 36.0 54.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.216 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX013435.D
 Acq: 15 Nov 2019 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1115WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	74.9	48.0	144.2
145	35.3	15.4	46.4

