

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110619\
 Data File : VX013339.D
 Acq On : 06 Nov 2019 13:04
 Operator : JC/SP
 Sample : K5713-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20191105

Quant Time: Nov 07 02:14:57 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

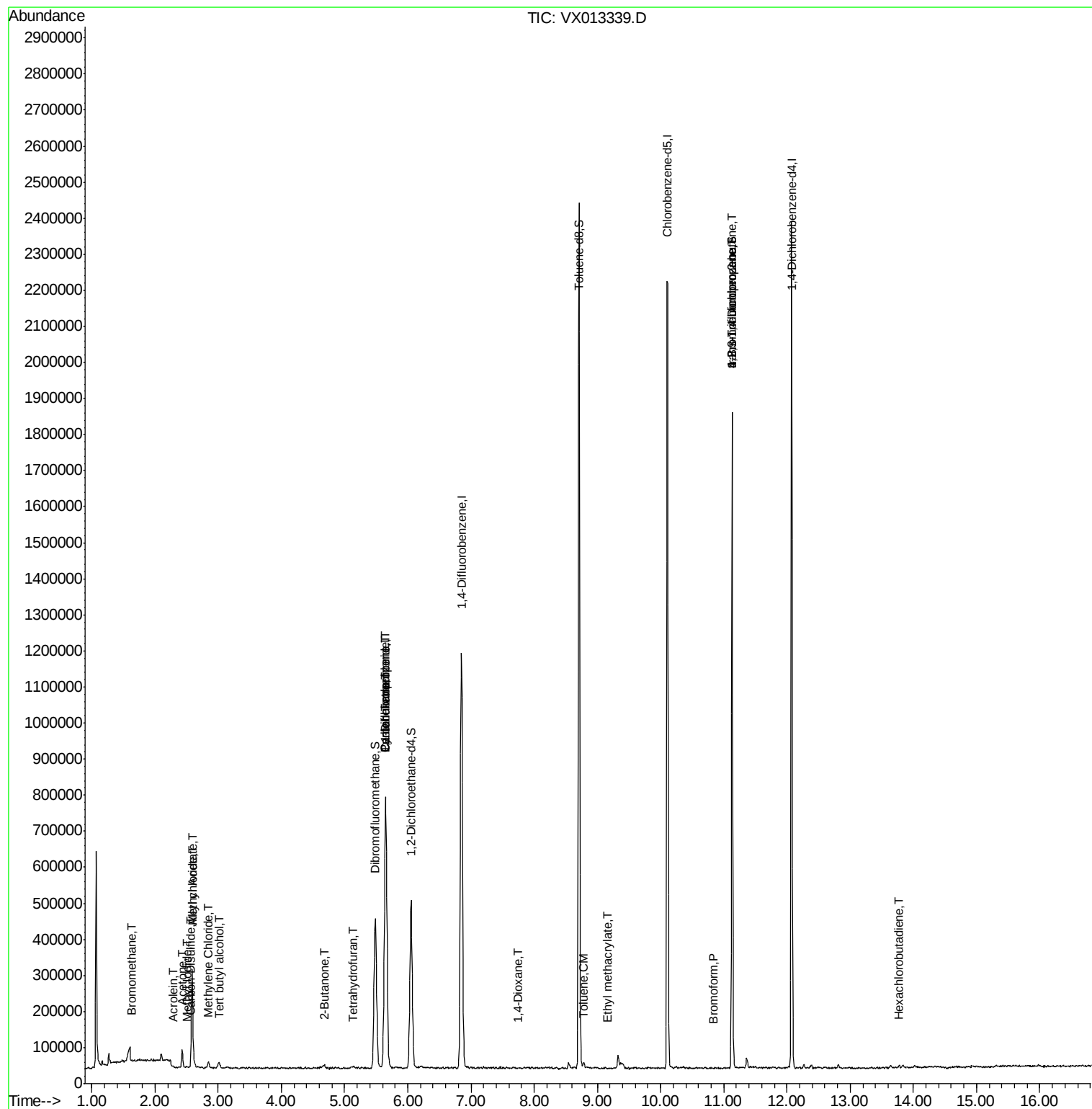
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	780484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1190991	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1047433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	483298	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	430177	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
35) Dibromofluoromethane	5.48	113	359262	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
50) Toluene-d8	8.71	98	1420713	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.13	95	470892	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	2447	0.316	ug/l	81
6) Chloroethane	1.76	64	939	Below Cal		92
10) Methyl Iodide	2.51	142	2260	0.250	ug/l #	92
11) Tert butyl alcohol	3.02	59	14486	5.944	ug/l	95
13) Acrolein	2.28	56	377	0.285	ug/l #	1
14) Allyl chloride	2.59	41	25398	1.952	ug/l #	68
16) Acetone	2.43	43	55323	11.995	ug/l	97
17) Carbon Disulfide	2.56	76	5564	0.290	ug/l #	89
18) Methyl Acetate	2.59	43	66931	5.257	ug/l #	53
20) Methylene Chloride	2.84	84	9520	1.117	ug/l	97
25) 2-Butanone	4.68	43	6178	0.913	ug/l	95
29) Tetrahydrofuran	5.13	42	3686	0.884	ug/l #	49
31) Cyclohexane	5.65	56	12920	1.022	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	51185	5.010	ug/l #	41
38) Carbon Tetrachloride	5.65	117	66176	6.623	ug/l #	17
49) 1,4-Dioxane	7.75	88	311	1.384	ug/l #	1
52) Toluene	8.78	92	4652	0.236	ug/l	81
56) Ethyl methacrylate	9.17	69	124	1.572	ug/l #	1
71) Bromoform	10.85	173	641	3.286	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	237265	24.170	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	237265	62.214	ug/l #	9
94) Hexachlorobutadiene	13.78	225	1690	0.325	ug/l	90

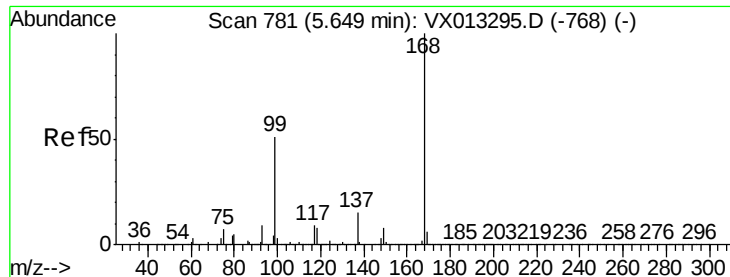
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013339.D

Acq: 06 Nov 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

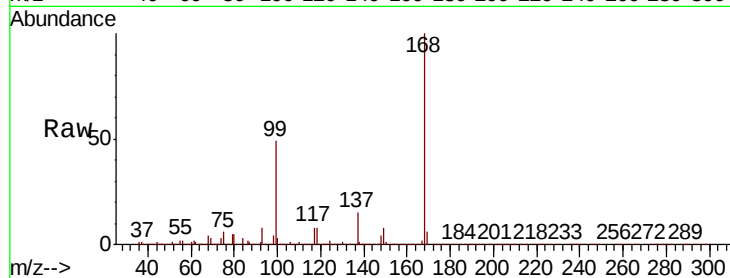
TT-TB-20191105

Tot Ion:168 Resp: 780484

Ion Ratio Lower Upper

168 100

99 48.7 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

300000

250000

200000

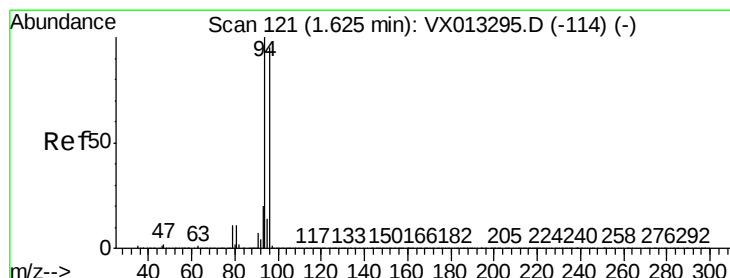
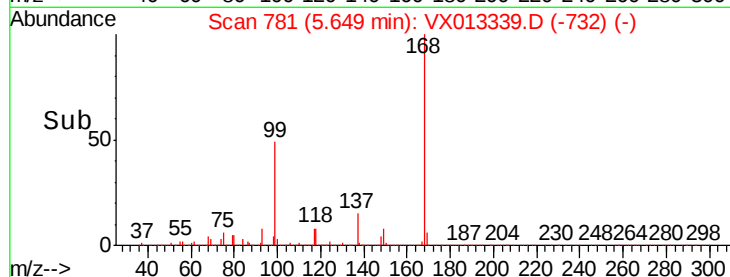
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.316 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013339.D

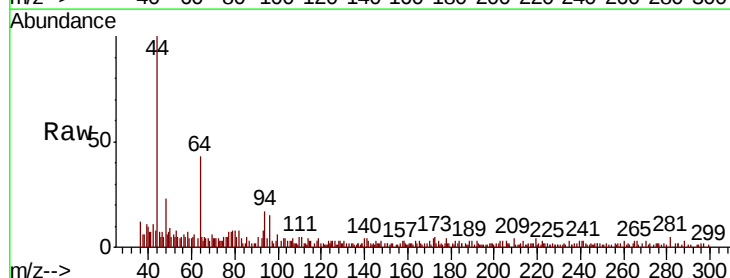
Acq: 06 Nov 2019 13:04

Tgt Ion: 94 Resp: 2447

Ion Ratio Lower Upper

94 100

96 76.6 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

1200

1000

800

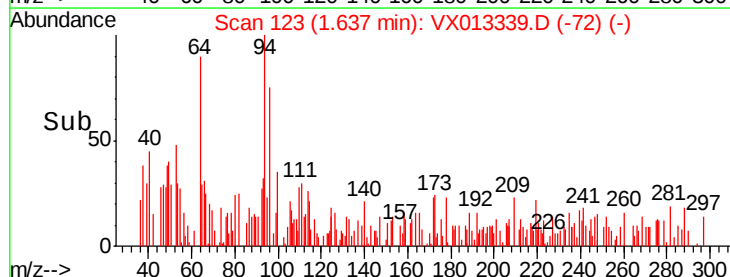
600

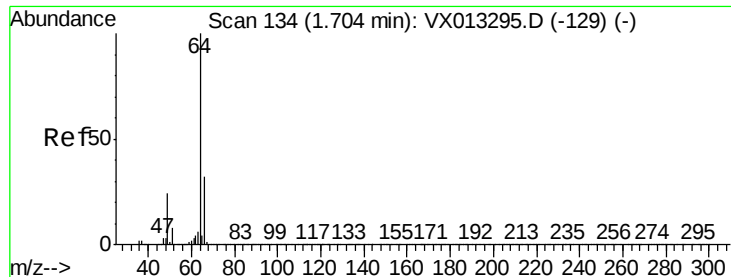
400

200

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.76 min Scan# 143

Delta R.T. 0.05 min

Lab File: VX013339.D

Acq: 06 Nov 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

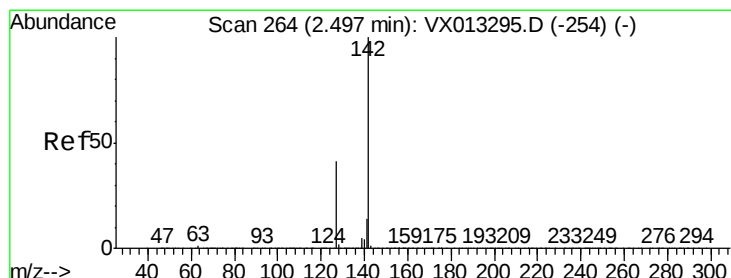
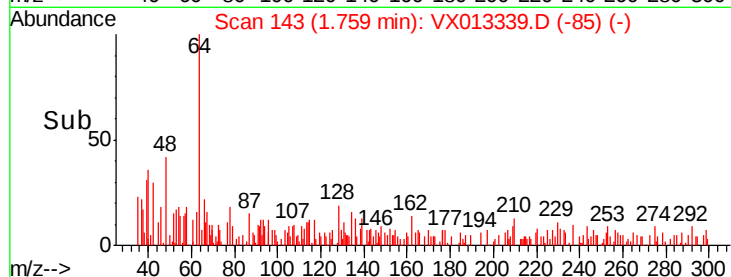
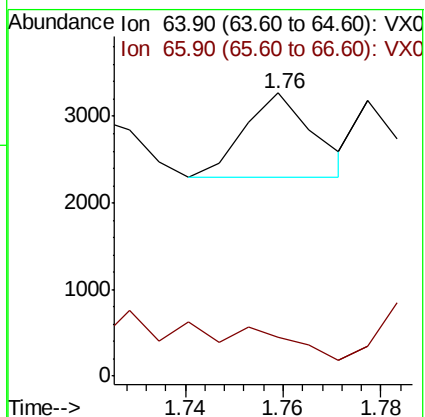
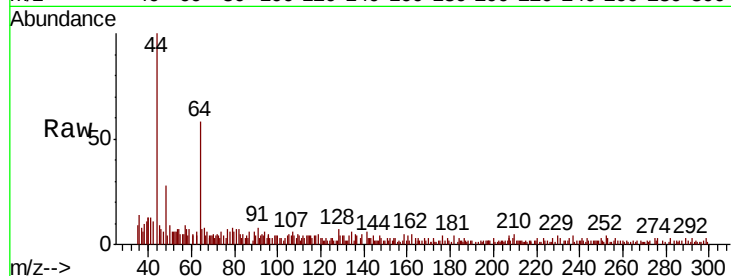
TT-TB-20191105

Tot Ion: 64 Resp: 939

Ion Ratio Lower Upper

64 100

66 27.7 25.6 38.4



#10

Methyl Iodide

Concen: 0.250 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013339.D

Acq: 06 Nov 2019 13:04

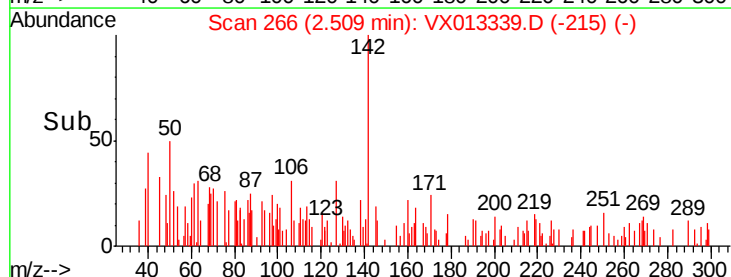
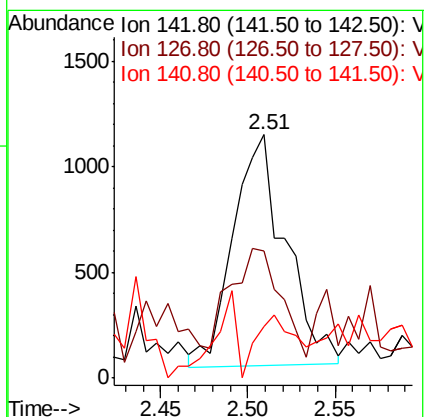
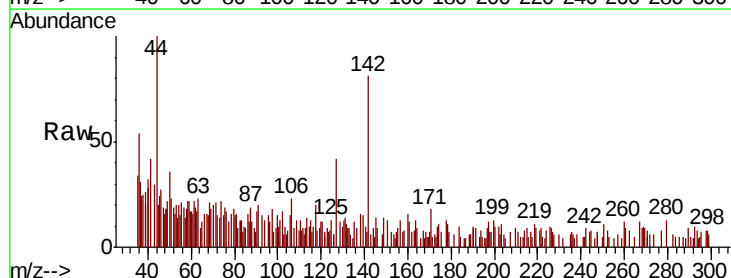
Tgt Ion: 142 Resp: 2260

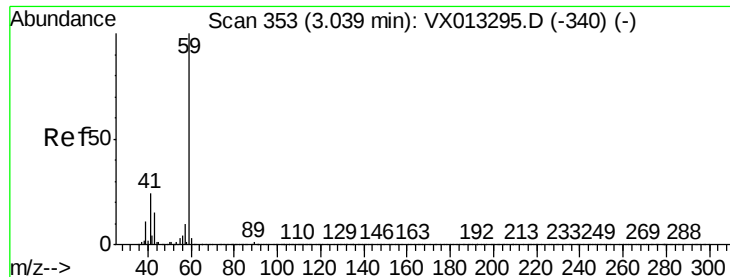
Ion Ratio Lower Upper

142 100

127 44.6 32.6 49.0

141 20.6 11.6 17.4#



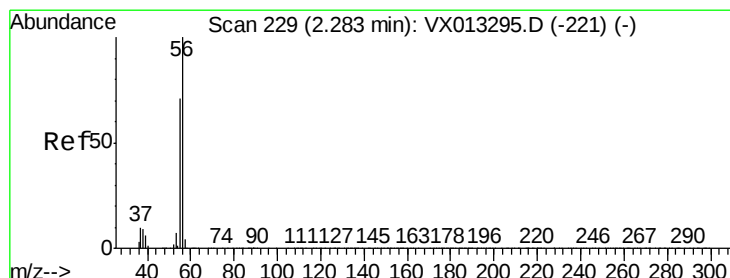
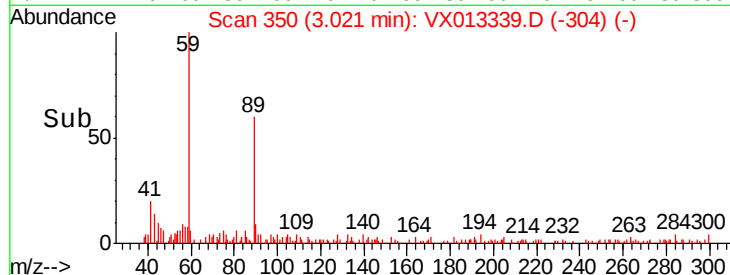
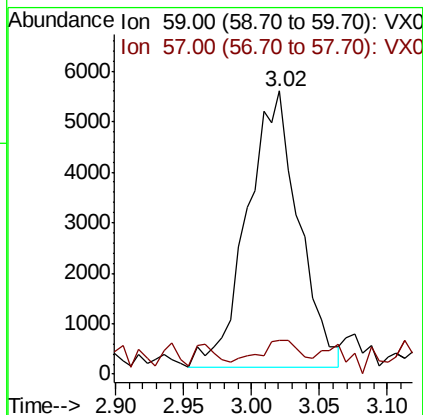
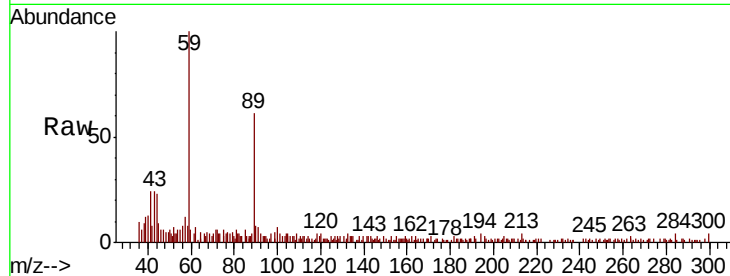


#11

Tert butyl alcohol
 Concen: 5.944 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX013339.D
 Acq: 06 Nov 2019 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20191105

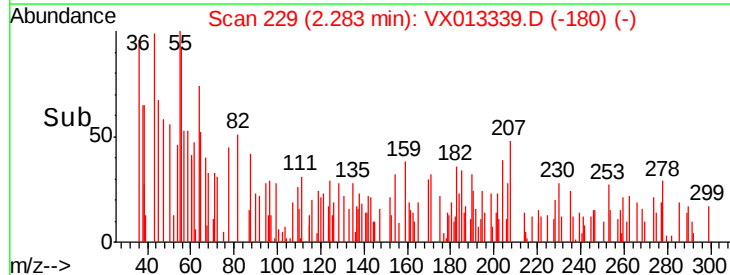
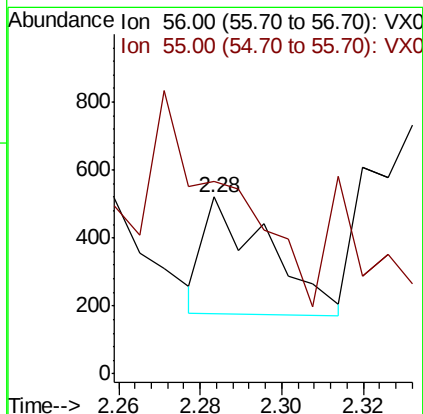
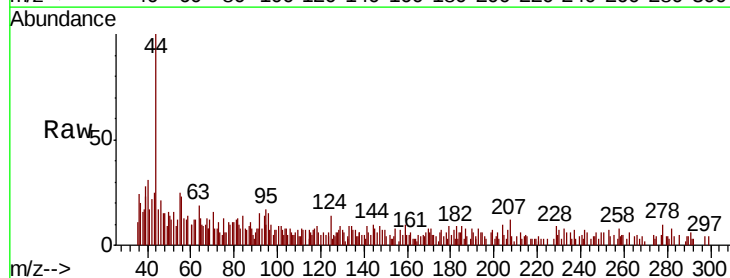
Tot Ion: 59 Resp: 14486
 Ion Ratio Lower Upper
 59 100
 57 8.1 8.0 12.0

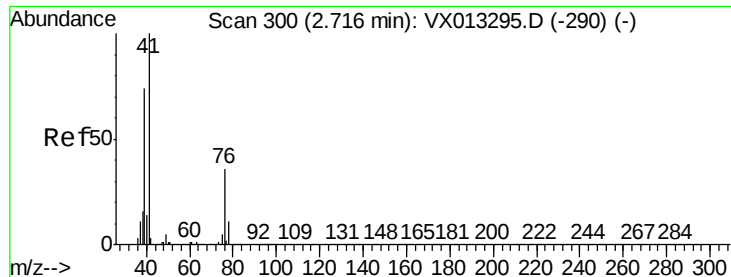


#13

Acrolein
 Concen: 0.285 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX013339.D
 Acq: 06 Nov 2019 13:04

Tgt Ion: 56 Resp: 377
 Ion Ratio Lower Upper
 56 100
 55 206.9 57.4 86.0#





#14

Allvl chloride

Concen: 1.952 ug/l

RT: 2.59 min Scan# 279

Delta R.T. -0.13 min

Lab File: VX013339.D

Acq: 06 Nov 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191105

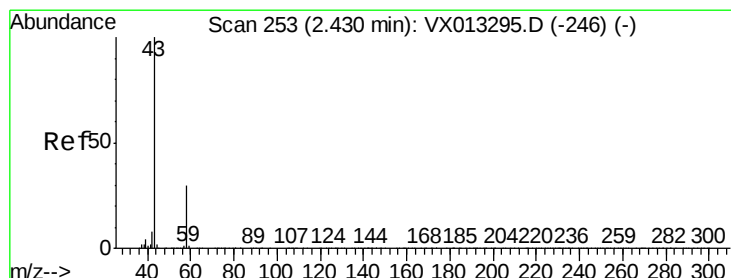
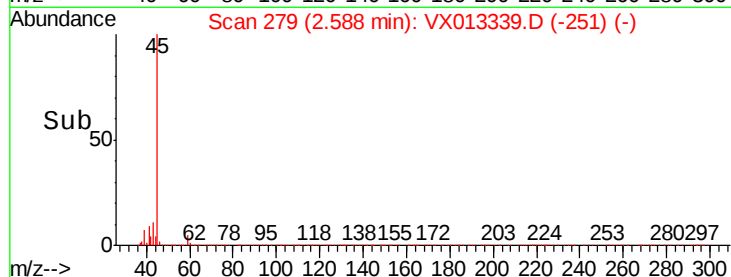
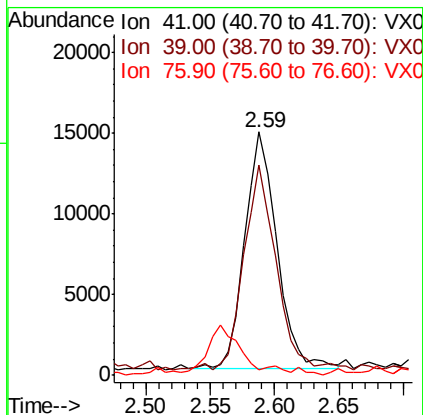
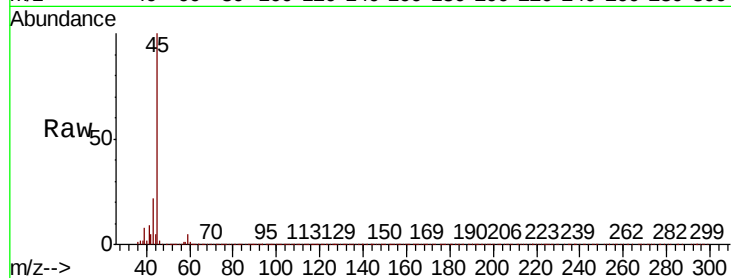
Tot Ion: 41 Resp: 25398

Ion Ratio Lower Upper

41 100

39 86.3 55.8 83.8#

76 0.0 26.4 39.6#



#16

Acetone

Concen: 11.995 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013339.D

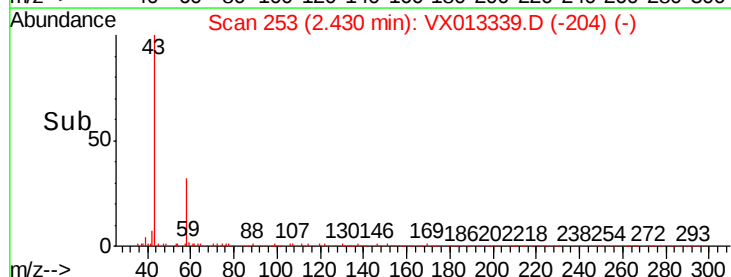
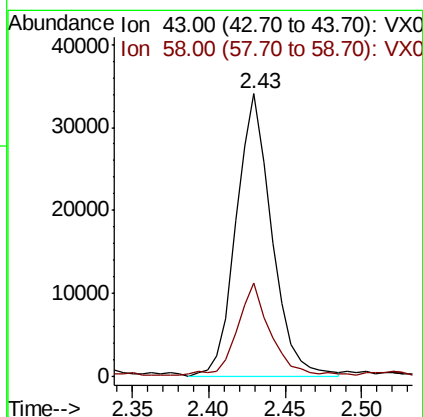
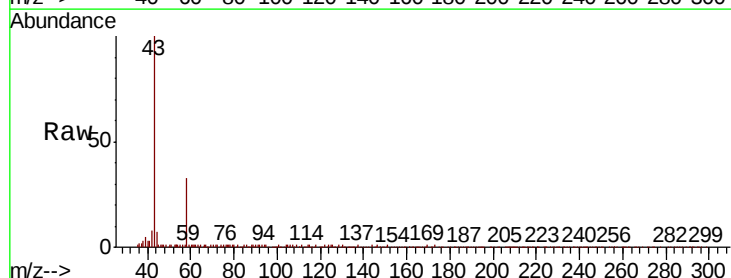
Acq: 06 Nov 2019 13:04

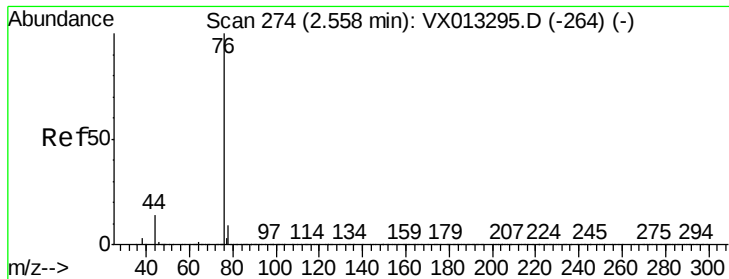
Tgt Ion: 43 Resp: 55323

Ion Ratio Lower Upper

43 100

58 32.1 24.3 36.5

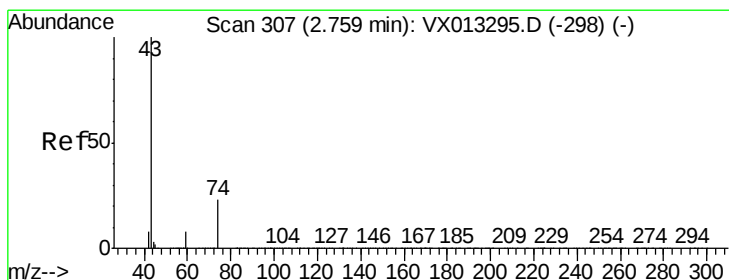
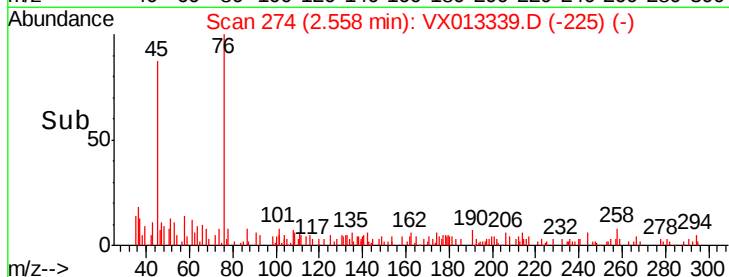
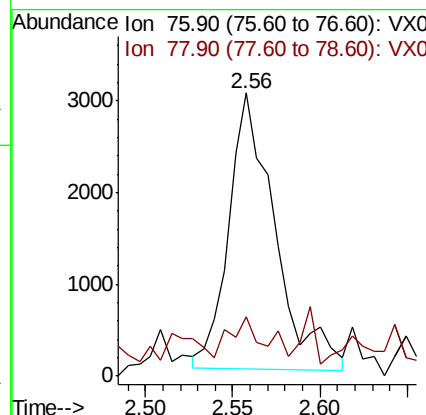
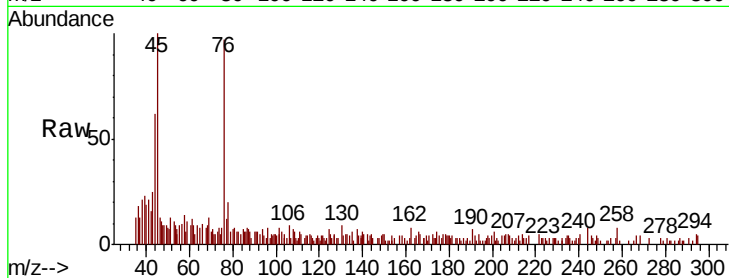




#17
Carbon Disulfide
Concen: 0.290 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX013339.D
Acq: 06 Nov 2019 13:04

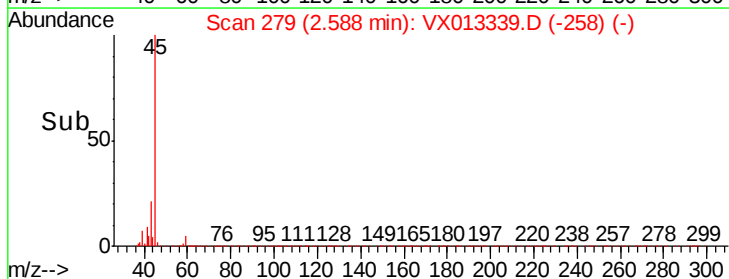
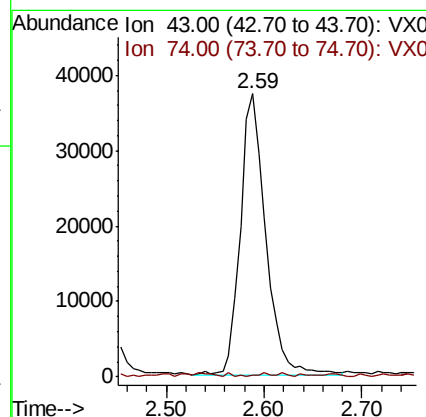
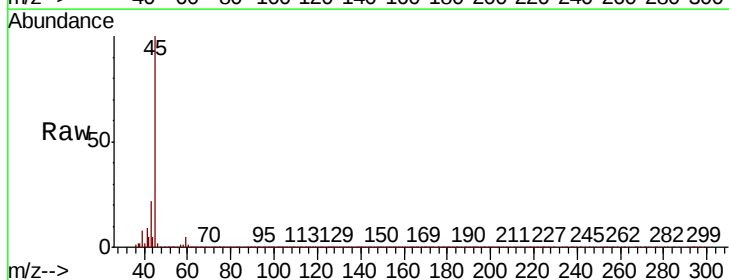
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191105

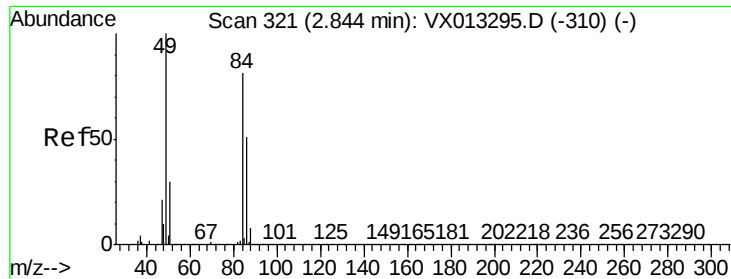
Tot Ion: 76 Resp: 5564
Ion Ratio Lower Upper
76 100
78 12.8 7.0 10.6#



#18
Methyl Acetate
Concen: 5.257 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.17 min
Lab File: VX013339.D
Acq: 06 Nov 2019 13:04

Tgt Ion: 43 Resp: 66931
Ion Ratio Lower Upper
43 100
74 0.8 19.0 28.6#

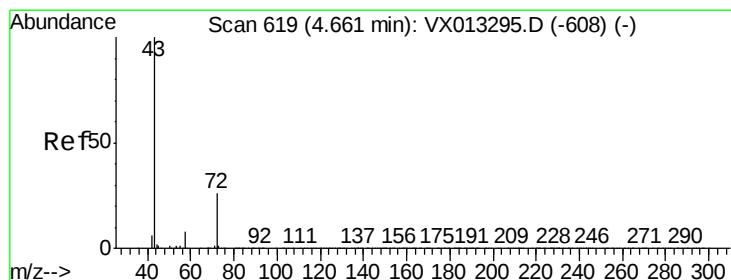
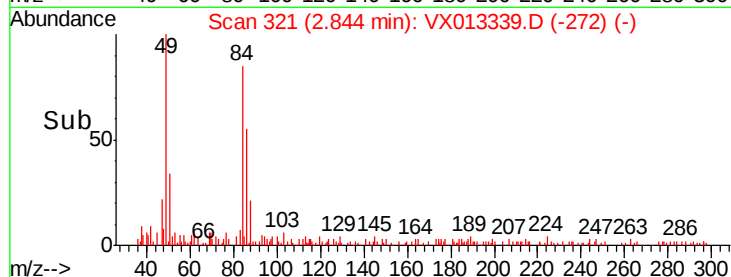
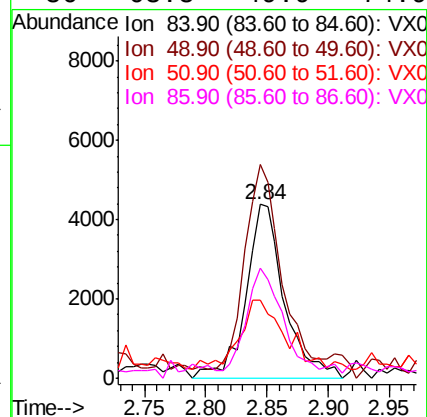
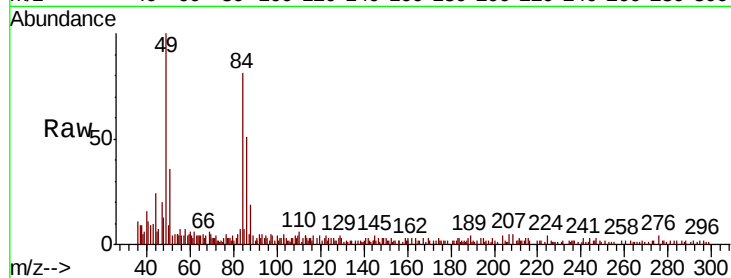




#20
Methvlene Chloride
Concen: 1.117 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013339.D
Acq: 06 Nov 2019 13:04

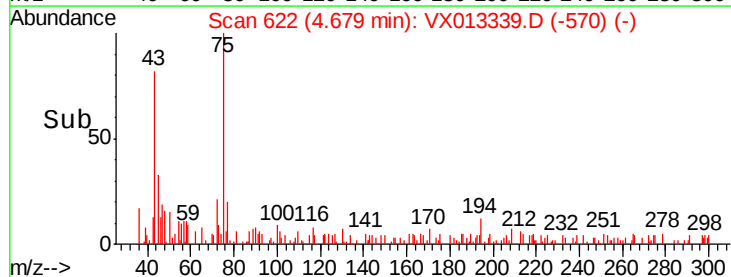
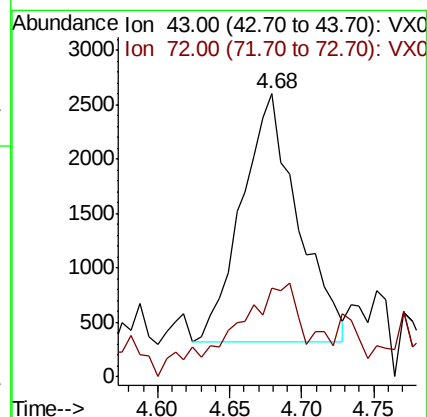
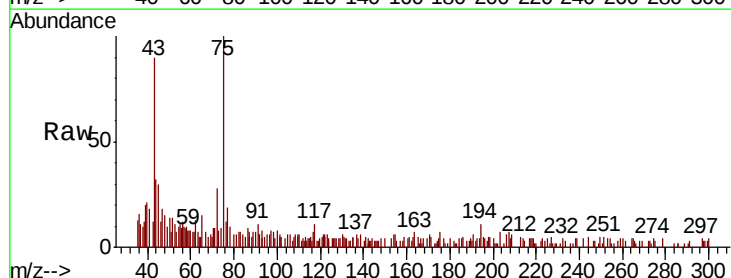
Instrument :
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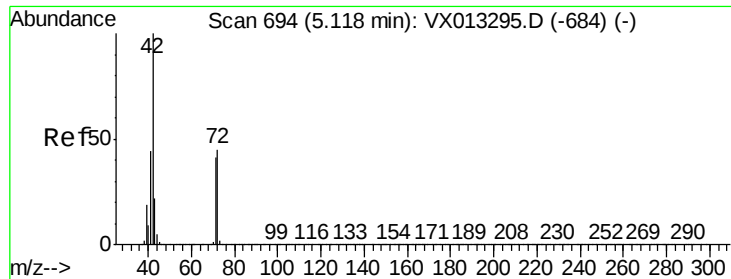
Tot Ion:	84	Resp:	9520
Ion	Ratio	Lower	Upper
84	100		
49	125.2	98.2	147.4
51	42.1	29.9	44.9
86	63.8	49.9	74.9



#25
2-Butanone
Concen: 0.913 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX013339.D
Acq: 06 Nov 2019 13:04

Tgt Ion:	43	Resp:	6178
Ion	Ratio	Lower	Upper
43	100		
72	23.7	21.0	31.6





#29

Tetrahydrofuran

Concen: 0.884 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.01 min

Lab File: VX013339.D

Acq: 06 Nov 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191105

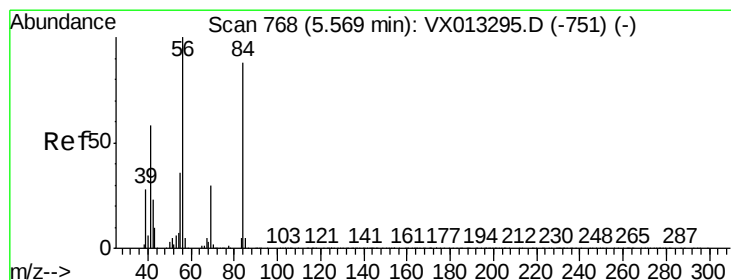
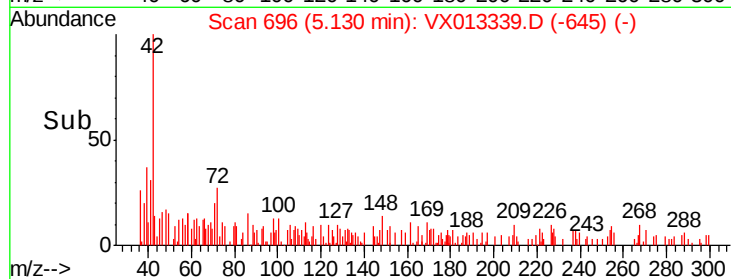
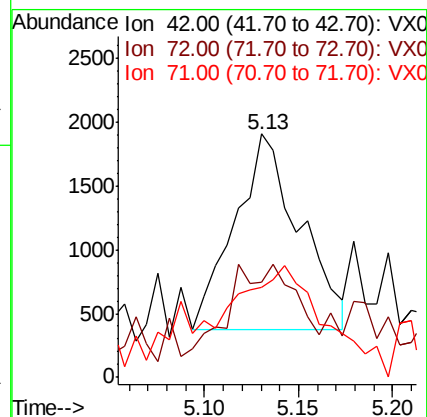
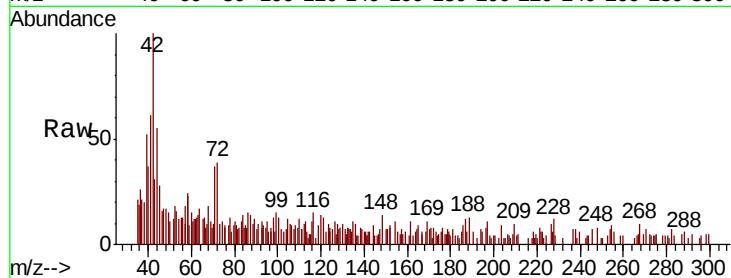
Tot Ion: 42 Resp: 3686

Ion Ratio Lower Upper

42 100

72 21.0 35.8 53.8#

71 0.0 33.4 50.0#



#31

Cyclohexane

Concen: 1.022 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX013339.D

Acq: 06 Nov 2019 13:04

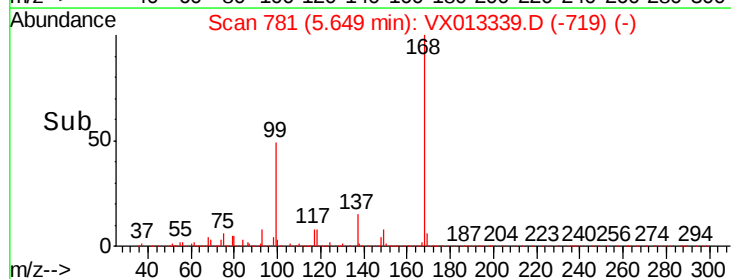
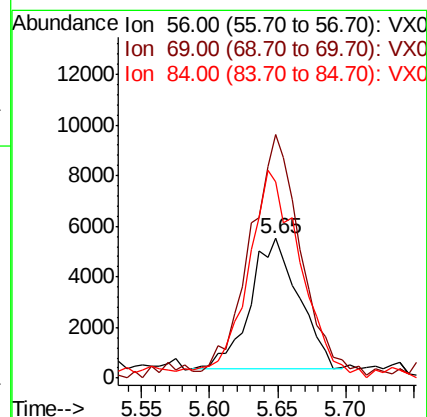
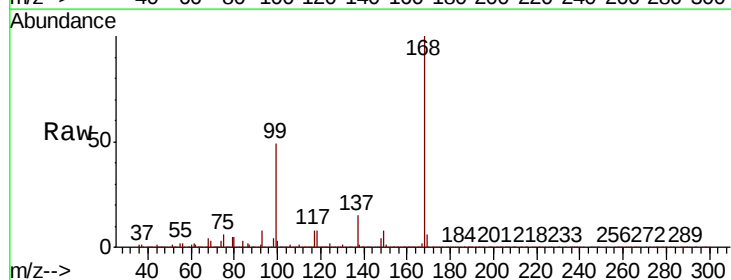
Tgt Ion: 56 Resp: 12920

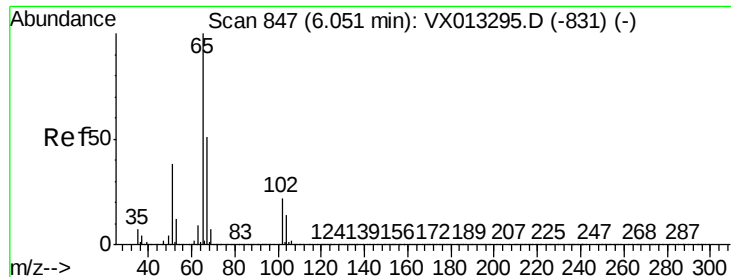
Ion Ratio Lower Upper

56 100

69 181.1 23.7 35.5#

84 143.1 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: 46.524 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013339.D

Acq: 06 Nov 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

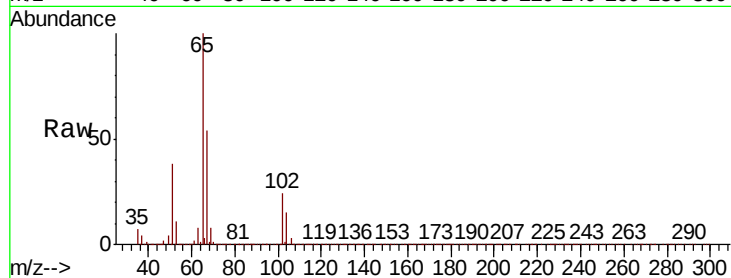
TT-TB-20191105

Tot Ion: 65 Resp: 430177

Ion Ratio Lower Upper

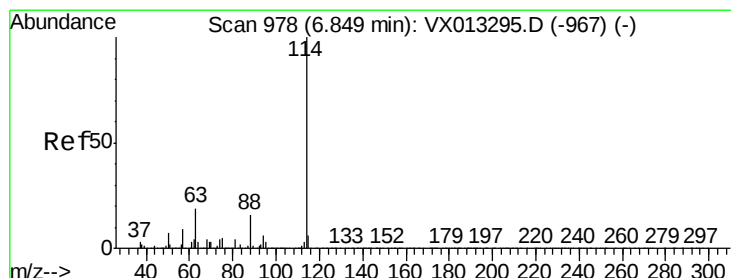
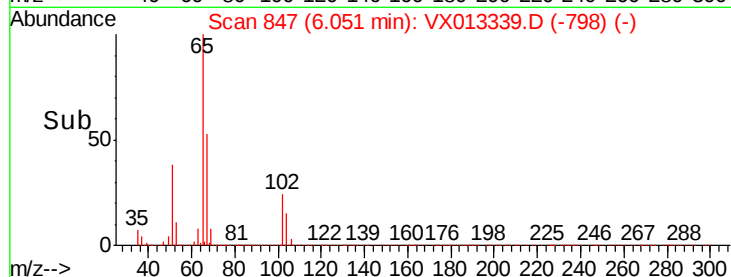
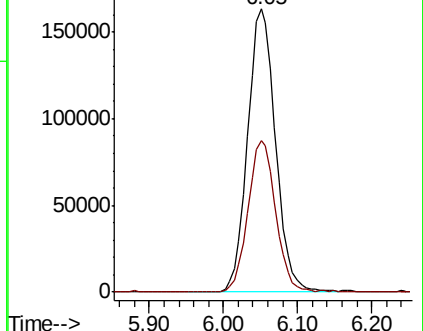
65 100

67 52.7 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: VX013339.D

Acq: 06 Nov 2019 13:04

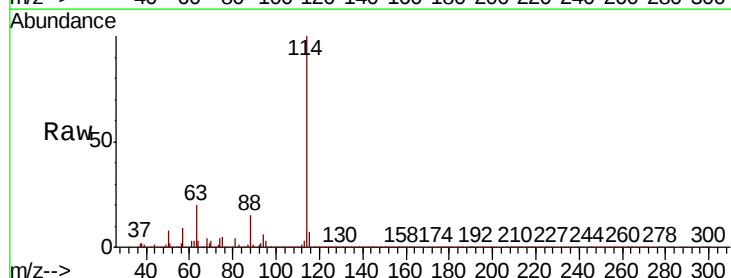
Tgt Ion: 114 Resp: 1190991

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.4

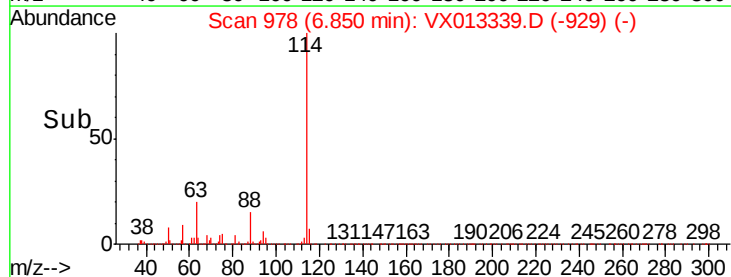
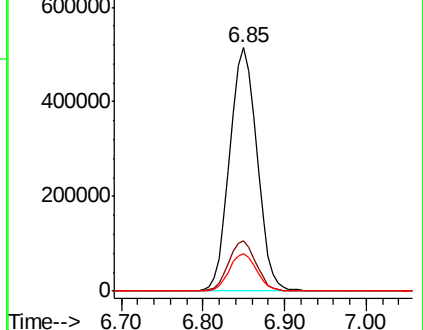
88 15.3 0.0 32.2

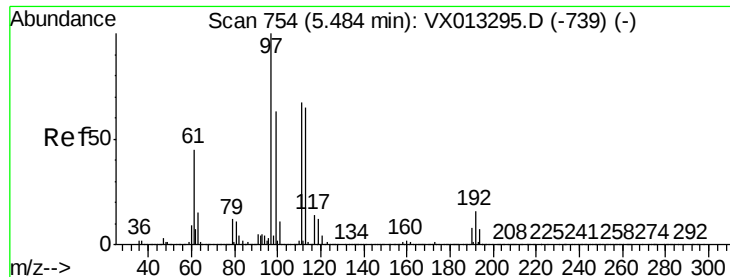


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

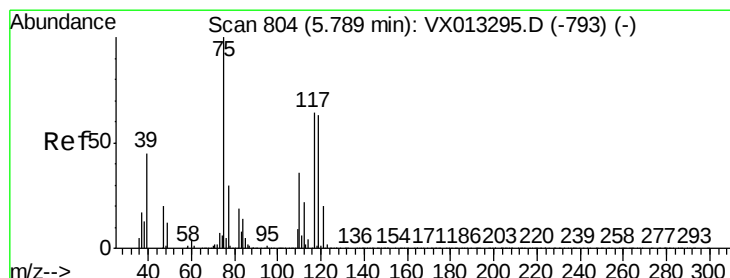
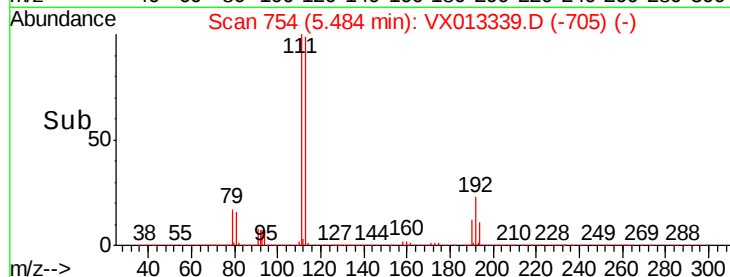
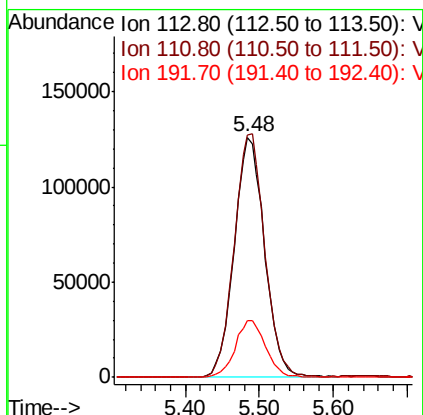
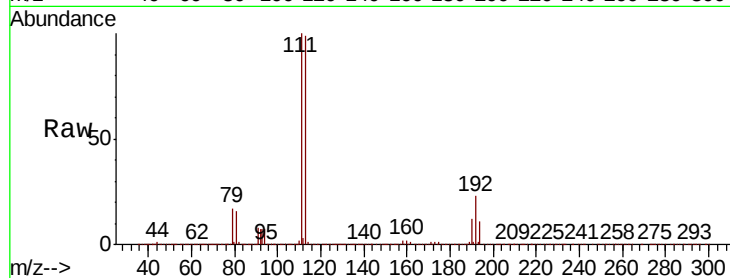




#35
Dibromofluoromethane
Concen: 48.094 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX013339.D
Acq: 06 Nov 2019 13:04

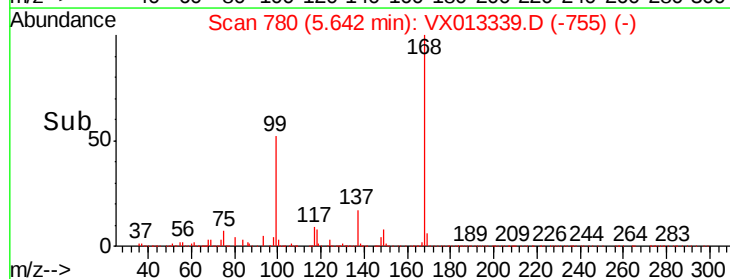
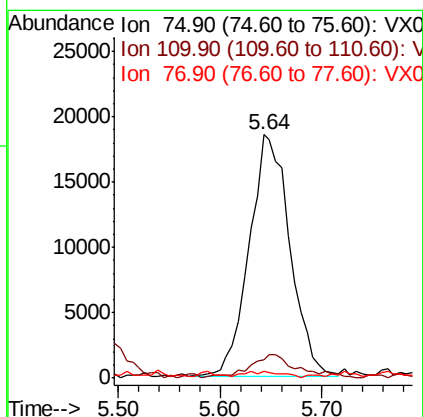
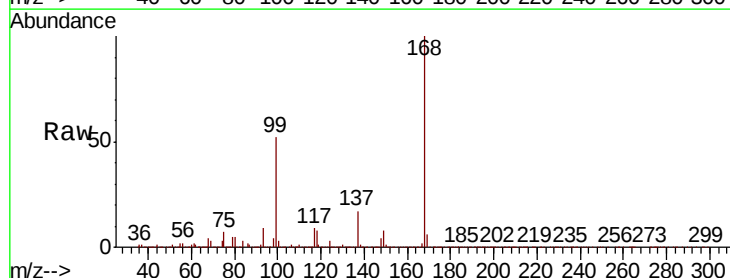
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191105

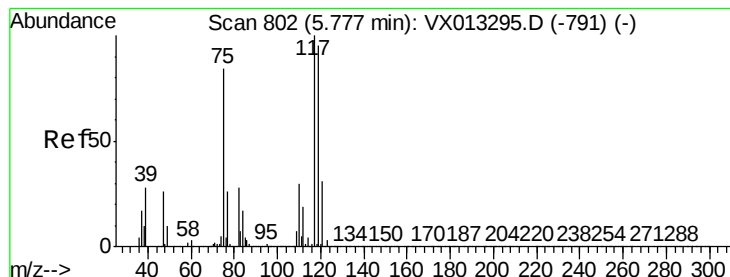
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.9	122.9
192	23.9	19.1	28.7



#36
1,1-Dichloropropene
Concen: 5.010 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.15 min
Lab File: VX013339.D
Acq: 06 Nov 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.6	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.623 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013339.D

Acq: 06 Nov 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191105

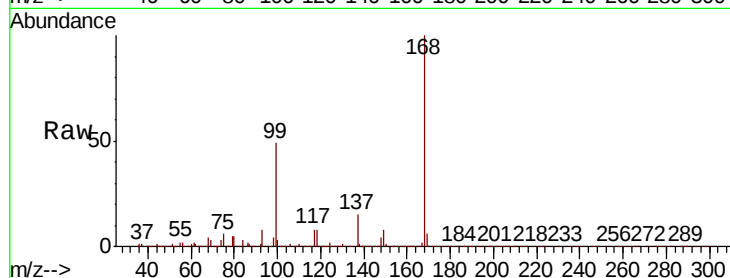
Tot Ion:117 Resp: 66176

Ion Ratio Lower Upper

117 100

119 6.1 76.1 114.1#

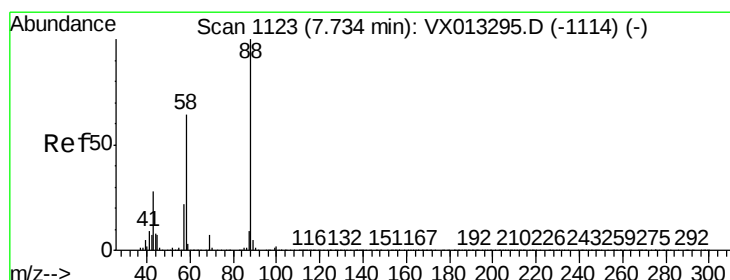
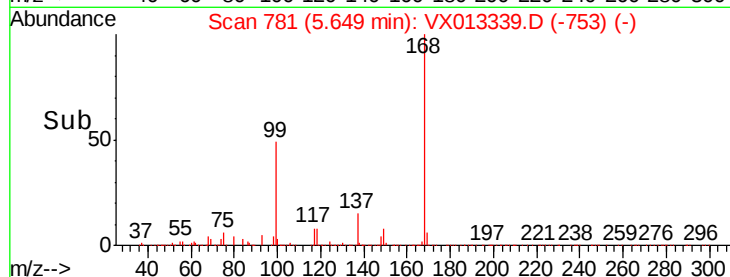
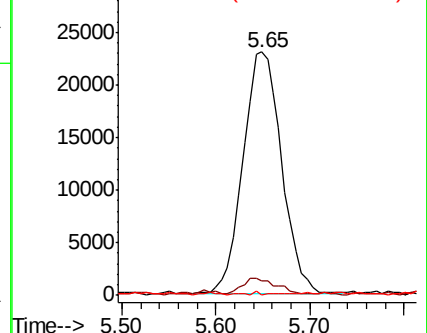
121 0.2 24.6 37.0#



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: 1.384 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013339.D

Acq: 06 Nov 2019 13:04

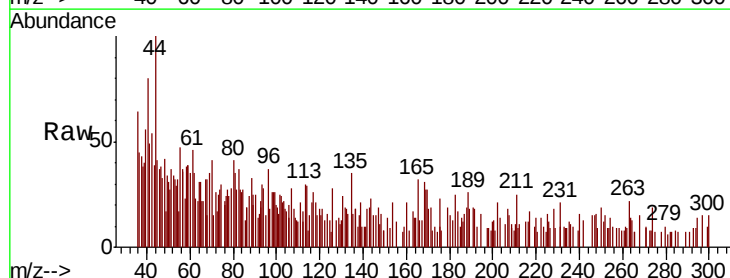
Tgt Ion: 88 Resp: 311

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

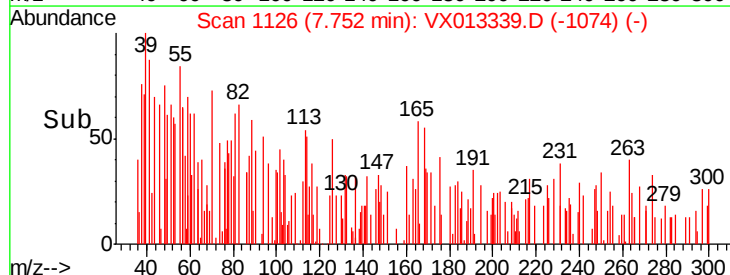
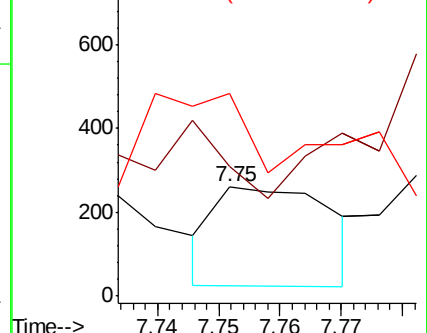
58 292.0 55.0 82.6#

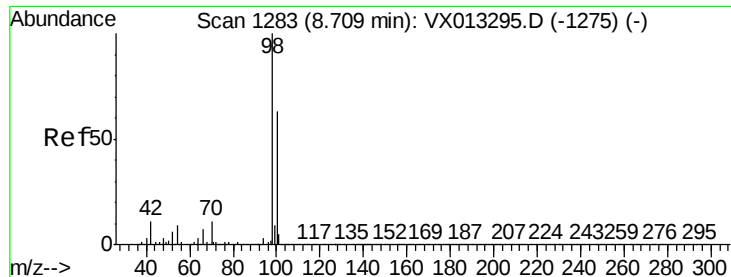


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.449 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013339.D

Acq: 06 Nov 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

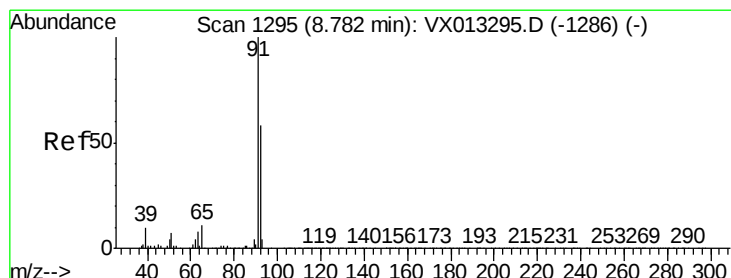
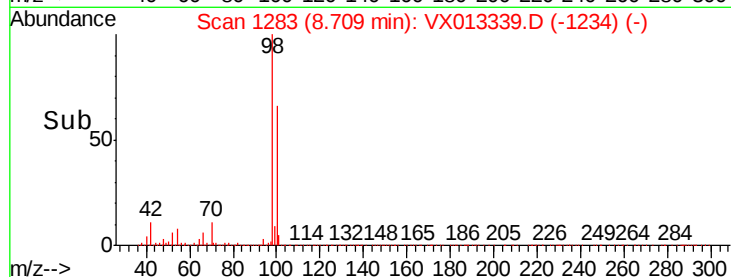
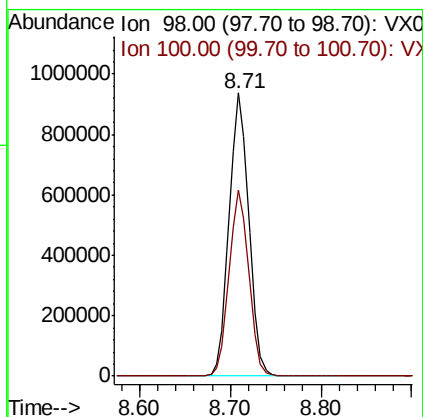
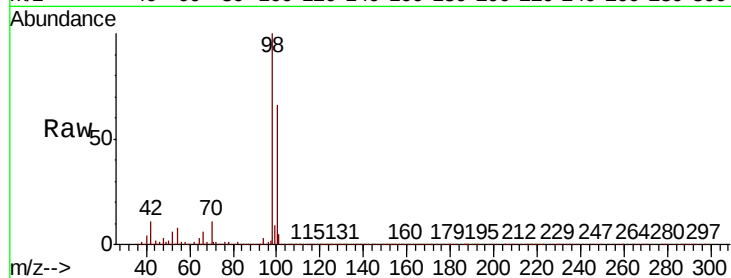
TT-TB-20191105

Tot Ion: 98 Resp: 1420713

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



#52

Toluene

Concen: 0.236 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013339.D

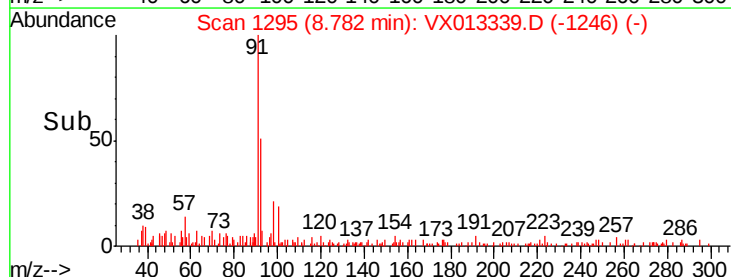
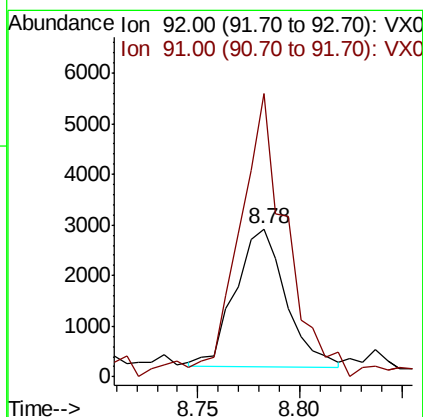
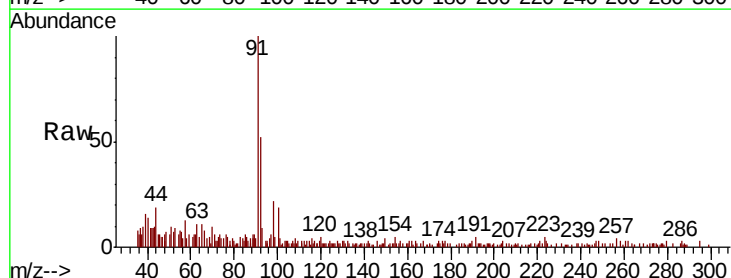
Acq: 06 Nov 2019 13:04

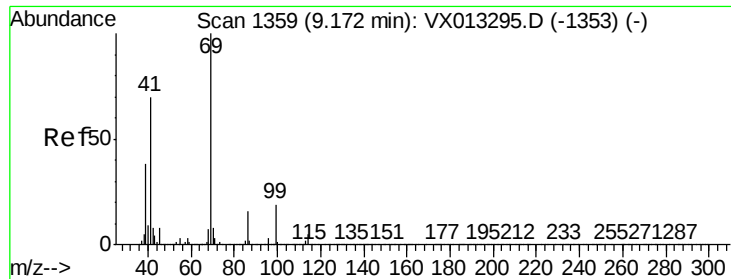
Tgt Ion: 92 Resp: 4652

Ion Ratio Lower Upper

92 100

91 198.7 138.0 207.0

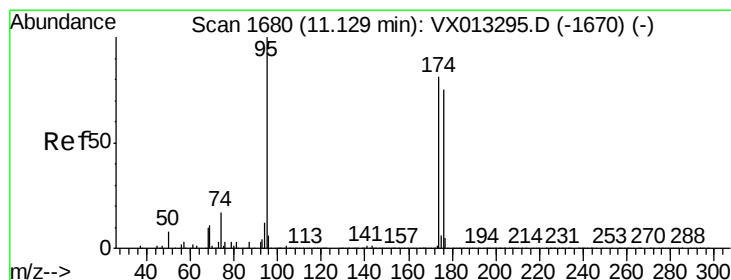
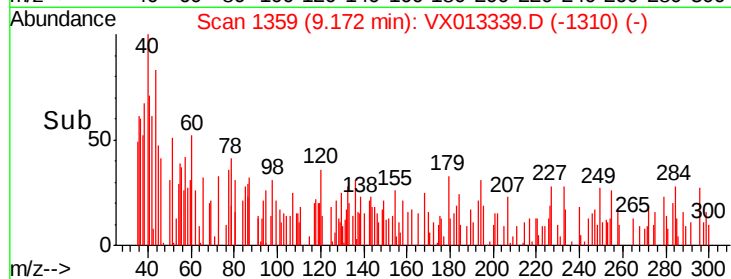
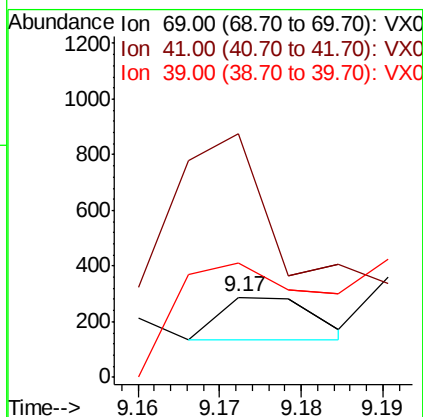
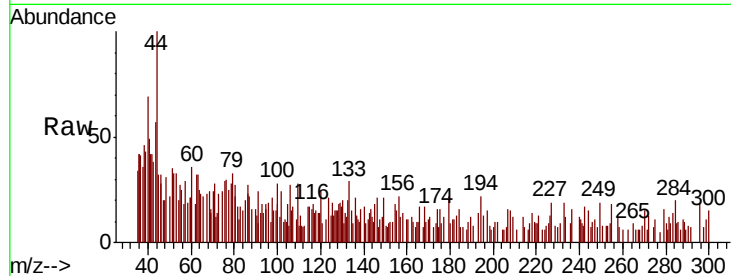




#56
 Ethyl methacrylate
 Concen: 1.572 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX013339.D
 Acq: 06 Nov 2019 13:04

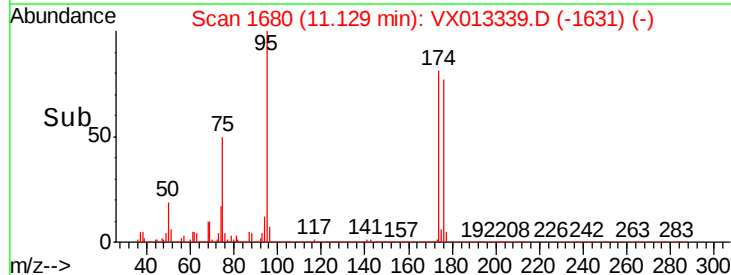
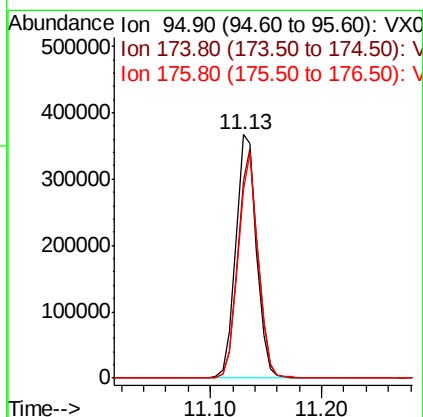
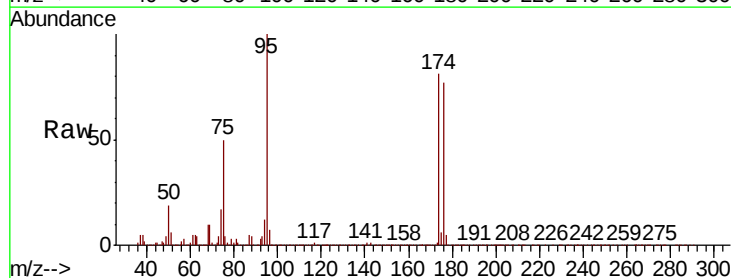
Instrument :
 MSVOA_X
 ClientSampled :
 TT-TB-20191105

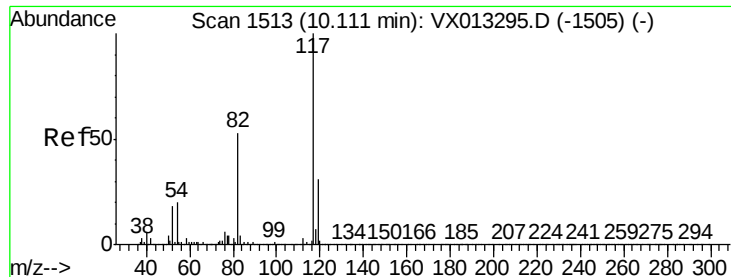
Tot Ion	Ratio	Lower	Upper
69	100		
41	449.2	56.2	84.2#
39	412.1	31.1	46.7#



#62
 4-Bromofluorobenzene
 Concen: 46.331 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VX013339.D
 Acq: 06 Nov 2019 13:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	179.8
176	88.9	0.0	173.0

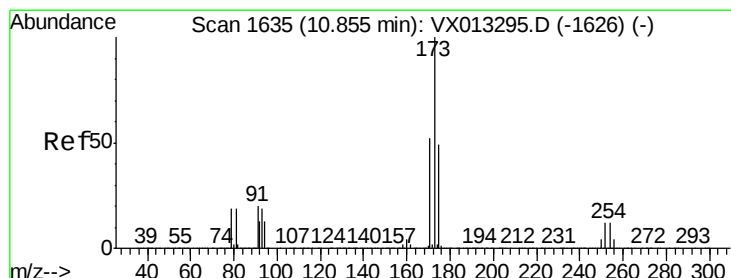
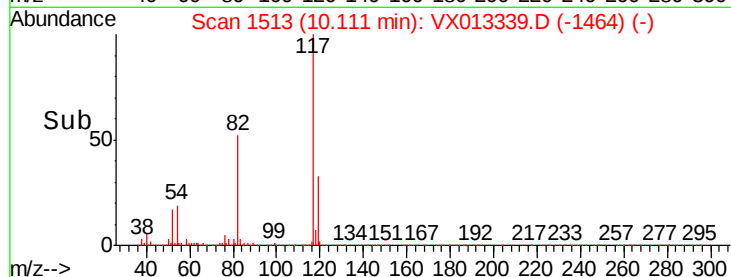
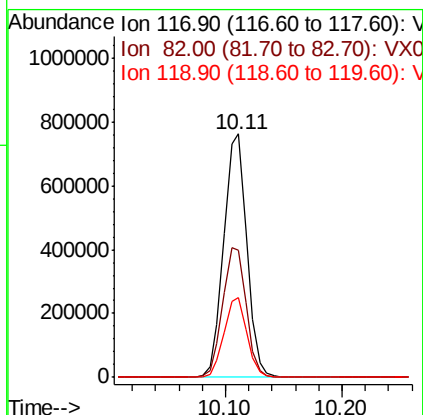
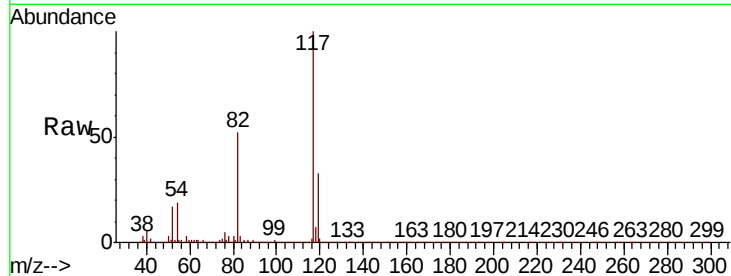




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013339.D
Acq: 06 Nov 2019 13:04

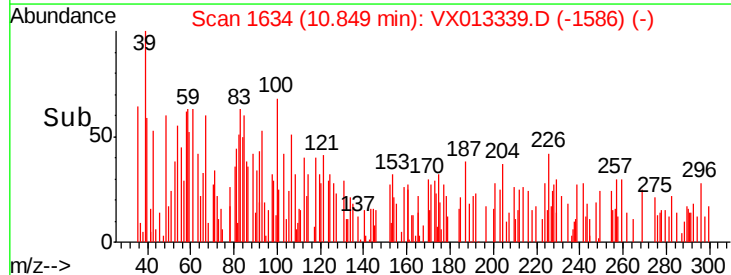
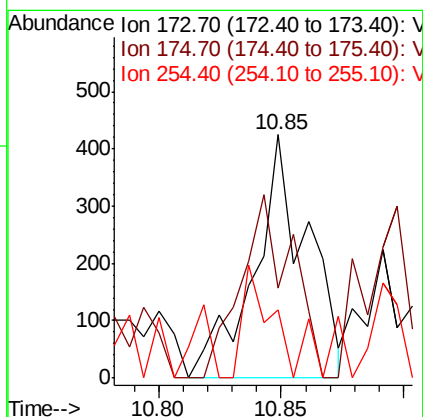
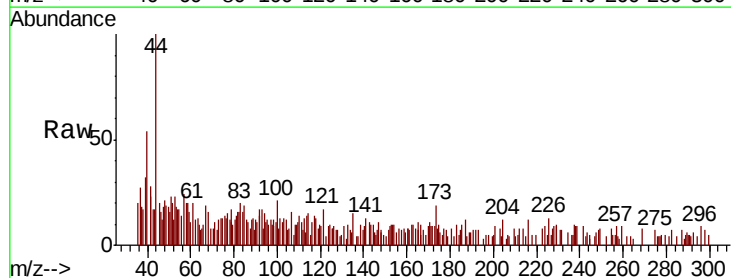
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191105

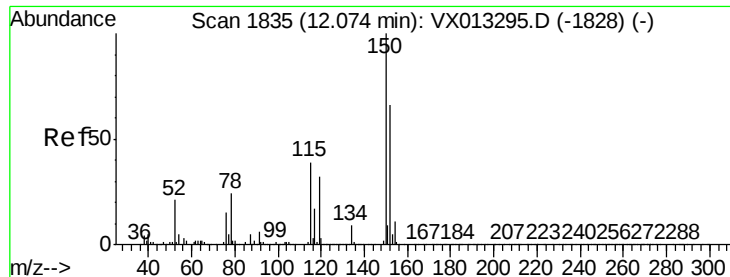
Tot Ion:117 Resp: 1047433
Ion Ratio Lower Upper
117 100
82 52.2 42.6 64.0
119 32.6 24.8 37.2



#71
Bromoform
Concen: 3.286 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013339.D
Acq: 06 Nov 2019 13:04

Tgt Ion:173 Resp: 641
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 23.6 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013339.D

Acq: 06 Nov 2019 13:04

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191105

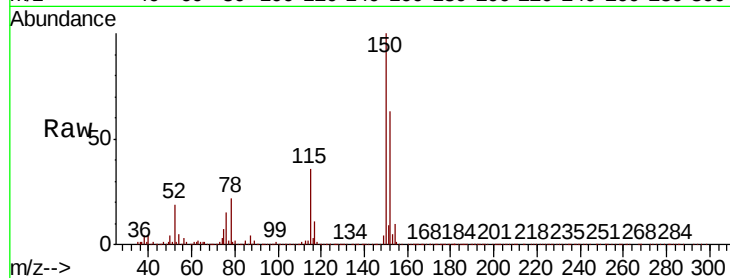
Tot Ion:152 Resp: 483298

Ion Ratio Lower Upper

152 100

115 55.6 39.5 118.3

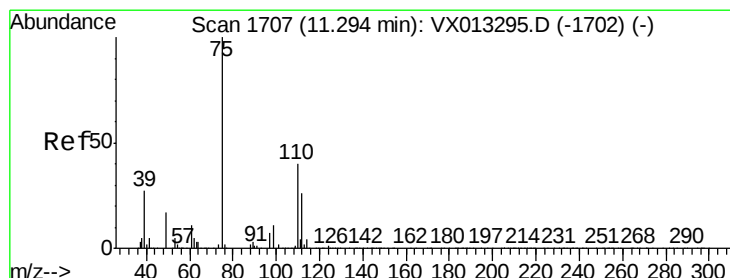
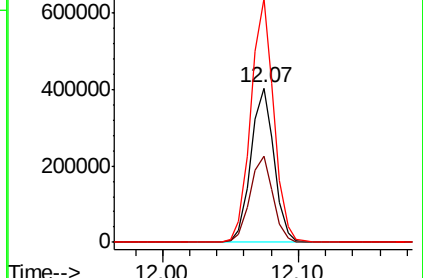
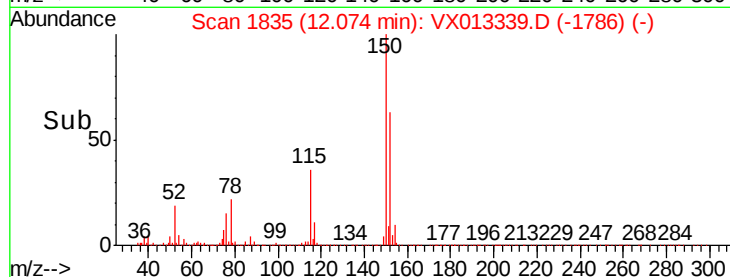
150 155.8 0.0 344.4



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: 24.170 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013339.D

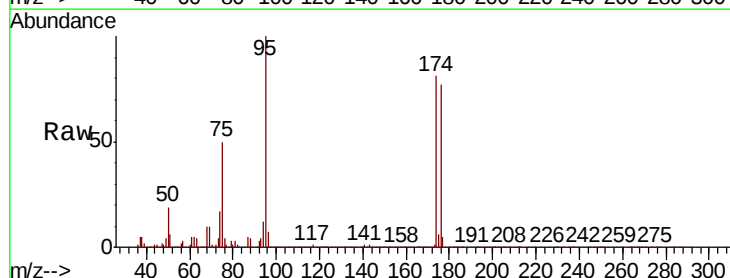
Acq: 06 Nov 2019 13:04

Tgt Ion: 75 Resp: 237265

Ion Ratio Lower Upper

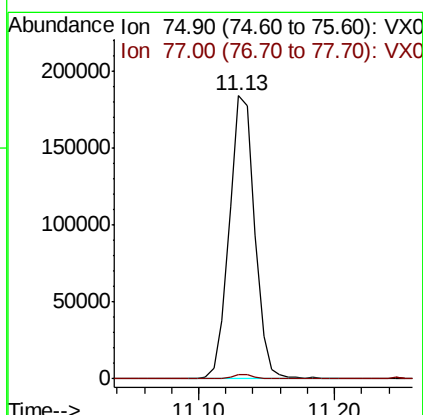
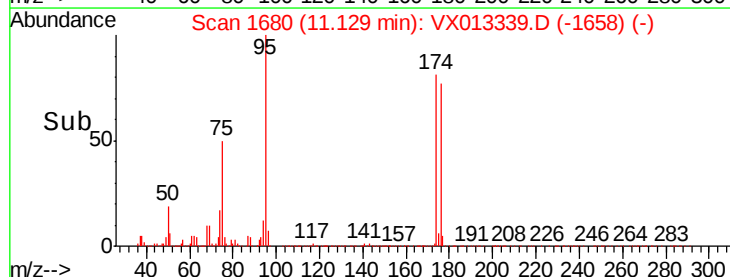
75 100

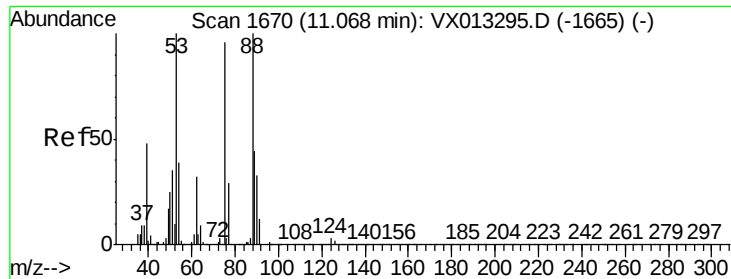
77 1.5 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

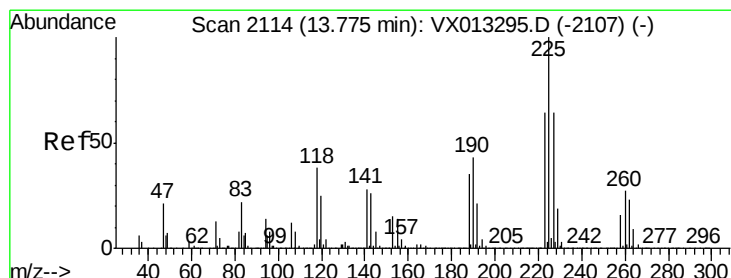
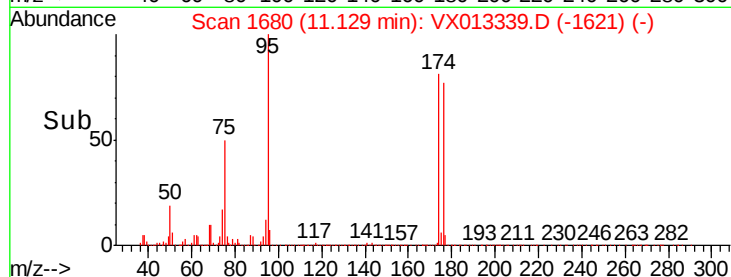
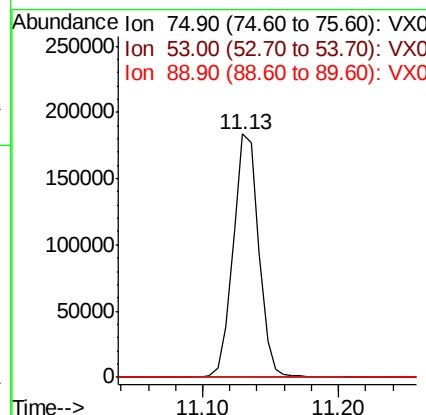
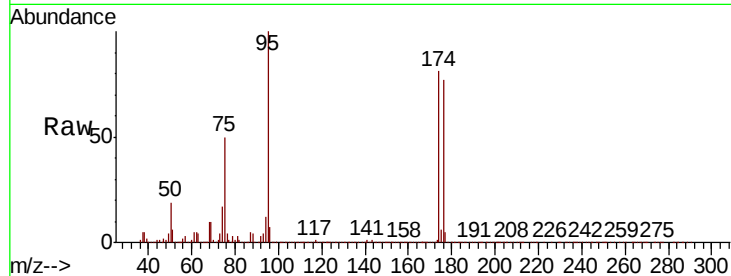




#81
trans-1,4-Dichloro-2-butene
Concen: 62.214 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013339.D
Acq: 06 Nov 2019 13:04

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191105

Tot Ion: 75 Resp: 237265
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.6#
89 0.1 36.0 54.0#



#94
Hexachlorobutadiene
Concen: 0.325 ug/l
RT: 13.78 min Scan# 2115
Delta R.T. 0.01 min
Lab File: VX013339.D
Acq: 06 Nov 2019 13:04

Tgt Ion: 225 Resp: 1690
Ion Ratio Lower Upper
225 100
223 60.3 31.9 95.7
227 52.3 31.9 95.9

