

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041320\
 Data File : VX015647.D
 Acq On : 13 Apr 2020 17:11
 Operator : JC/SP
 Sample : L2241-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200409

Quant Time: Apr 14 01:21:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1094781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1660533	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1602915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	876188	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	671324	43.48	ug/l	0.00
Spiked Amount			Recovery	=	86.96%	
35) Dibromofluoromethane	5.47	113	510974	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
50) Toluene-d8	8.70	98	2000132	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.12	95	832952	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	

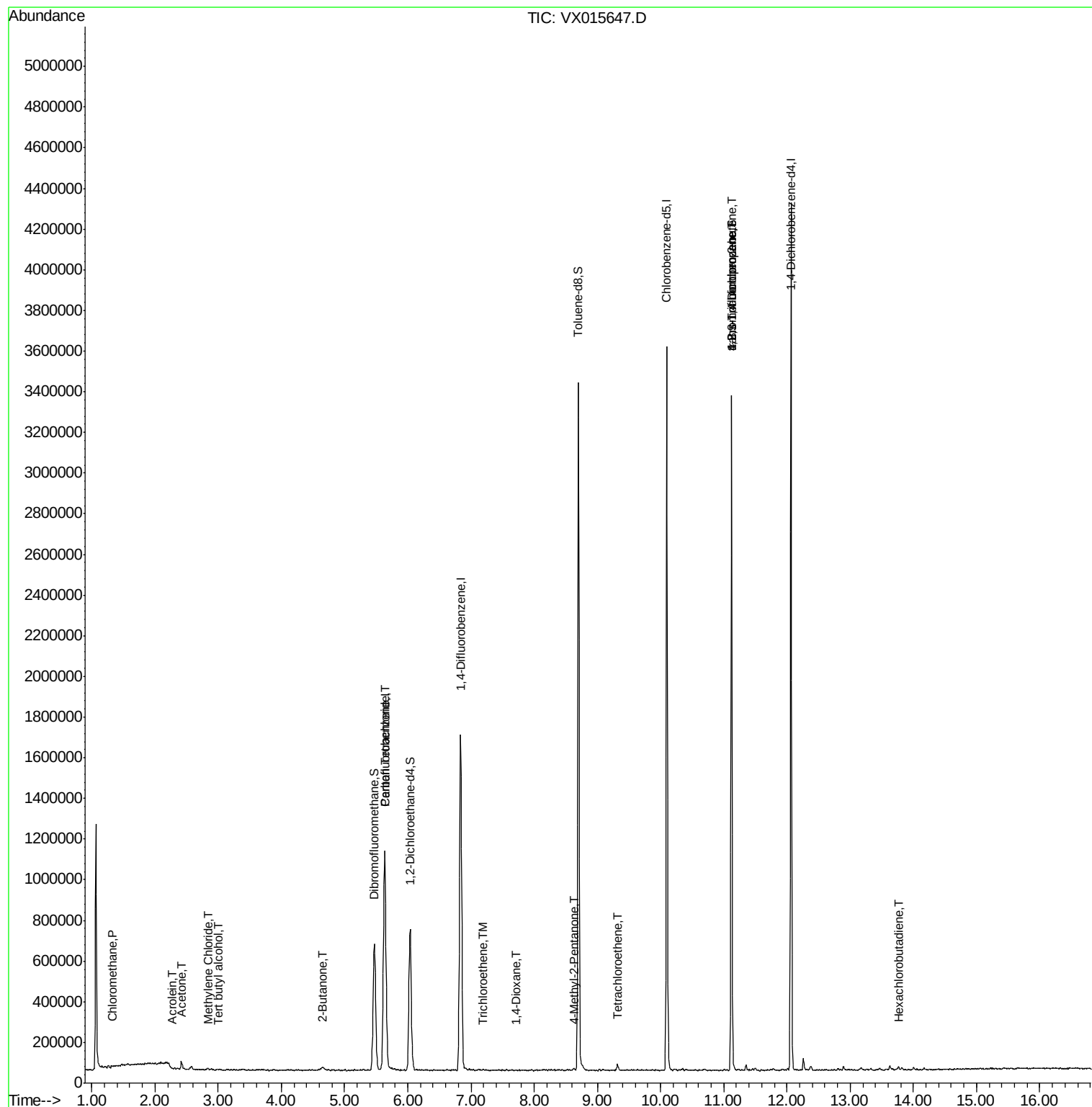
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	5573	0.454	ug/l #	67
5) Bromomethane	1.63	94	515	Below Cal		91
11) Tert butyl alcohol	3.01	59	1056	0.286	ug/l #	64
13) Acrolein	2.27	56	452	0.215	ug/l	85
16) Acetone	2.42	43	46912	7.072	ug/l	94
20) Methylene Chloride	2.83	84	3201	0.258	ug/l	89
25) 2-Butanone	4.65	43	10348	0.970	ug/l #	68
38) Carbon Tetrachloride	5.63	117	98507	5.944	ug/l #	15
44) Trichloroethene	7.18	130	2733	0.224	ug/l	38
49) 1,4-Dioxane	7.71	88	281	0.897	ug/l #	58
51) 4-Methyl-2-Pentanone	8.62	43	6821	0.358	ug/l	97
64) Tetrachloroethene	9.32	164	5138	0.425	ug/l	88
76) 1,2,3-Trichloropropane	11.12	75	428416	23.777	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	428416	57.052	ug/l #	10
94) Hexachlorobutadiene	13.77	225	2528	0.250	ug/l	93

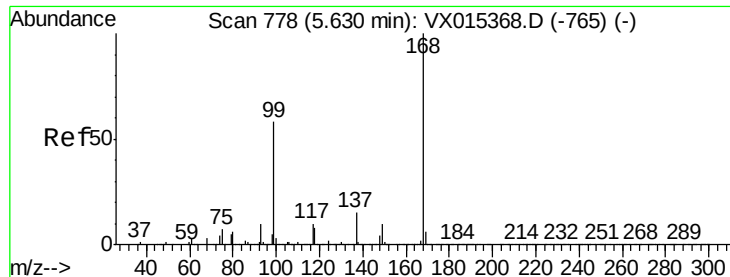
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015647.D

Acq: 13 Apr 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

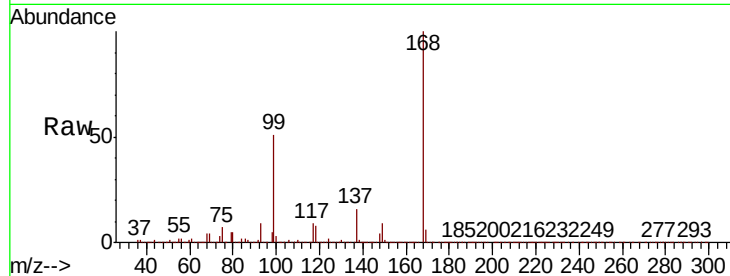
TB-01-200409

Tot Ion:168 Resp: 1094781

Ion Ratio Lower Upper

168 100

99 51.2 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

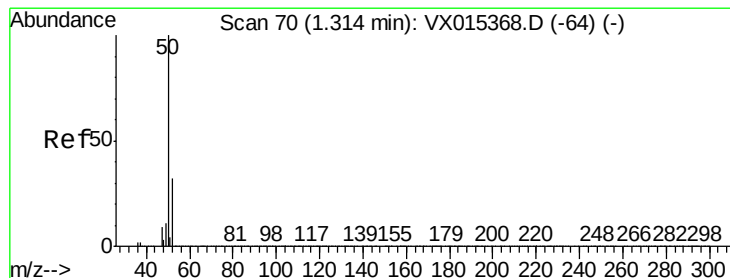
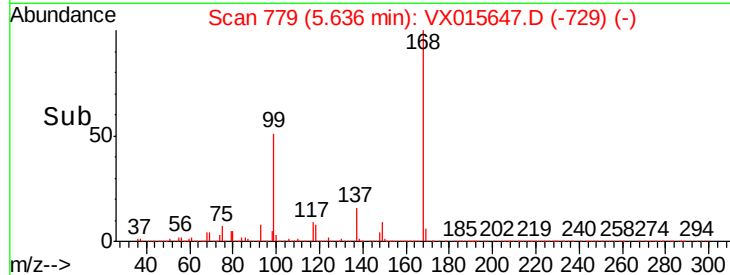
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.454 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX015647.D

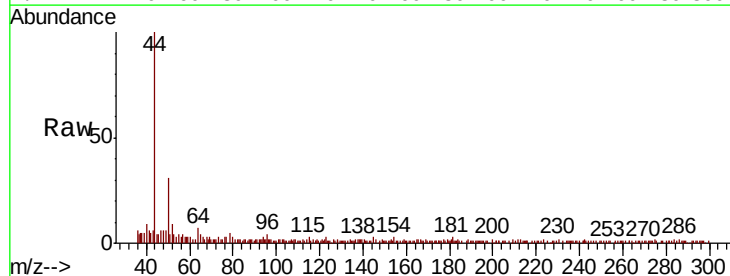
Acq: 13 Apr 2020 17:11

Tgt Ion: 50 Resp: 5573

Ion Ratio Lower Upper

50 100

52 13.5 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

4000

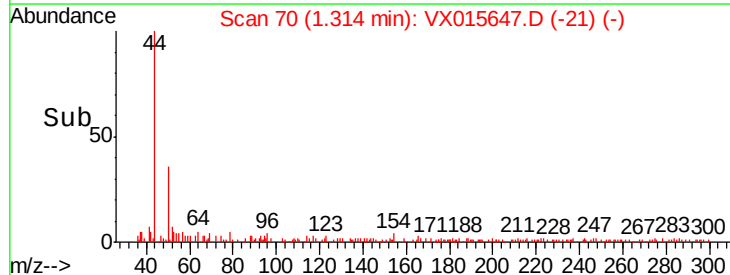
3000

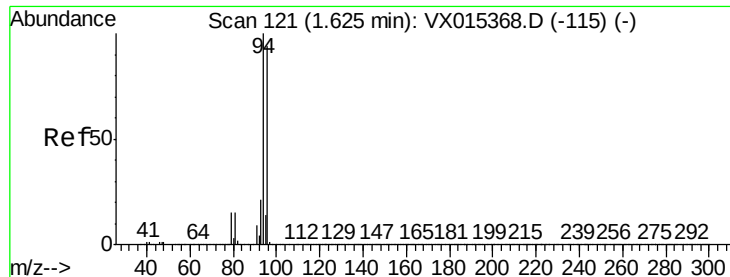
2000

1000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX015647.D

Acq: 13 Apr 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

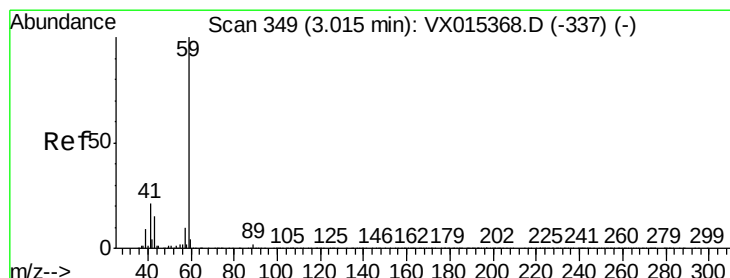
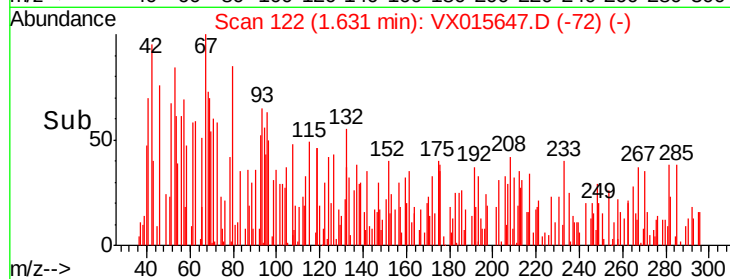
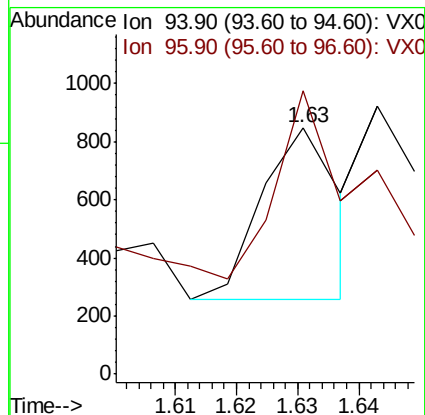
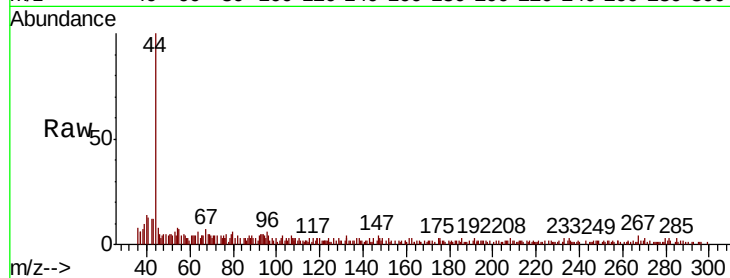
TB-01-200409

Tot Ion: 94 Resp: 515

Ion Ratio Lower Upper

94 100

96 102.2 74.8 112.2



#11

Tert butyl alcohol

Concen: 0.286 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015647.D

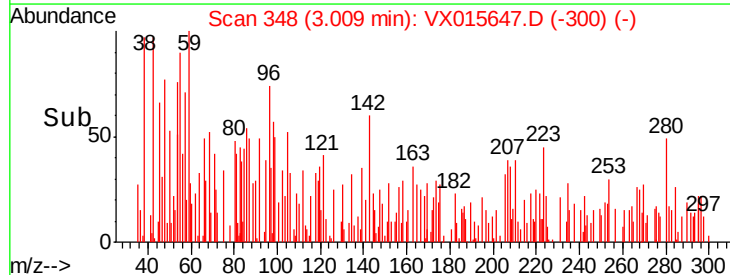
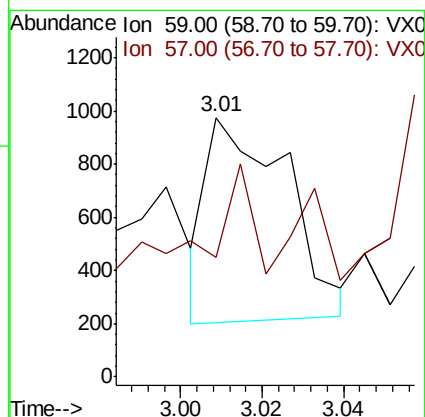
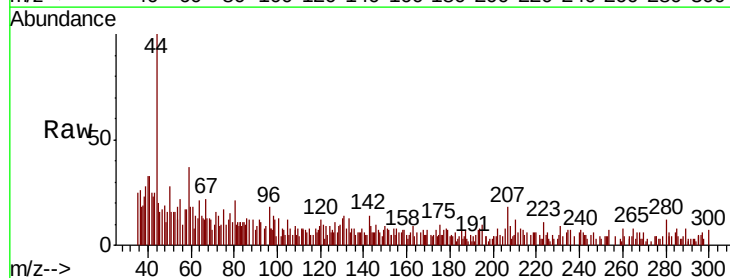
Acq: 13 Apr 2020 17:11

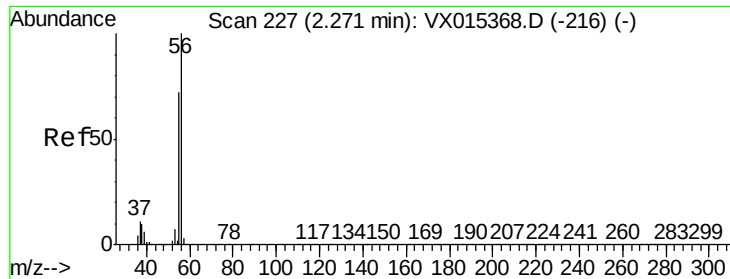
Tgt Ion: 59 Resp: 1056

Ion Ratio Lower Upper

59 100

57 23.4 8.1 12.1#

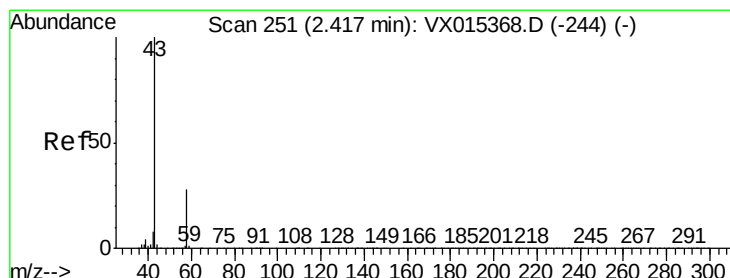
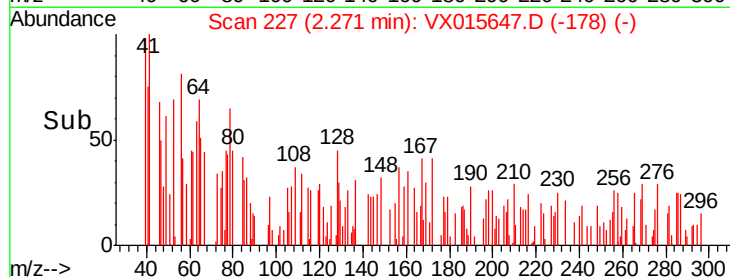
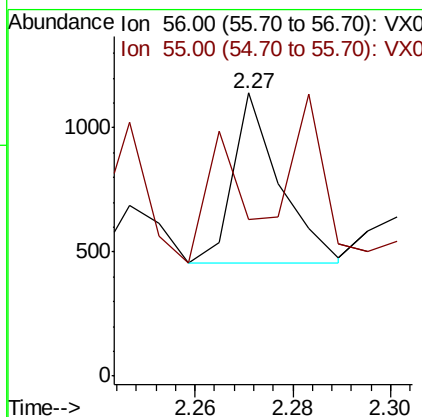
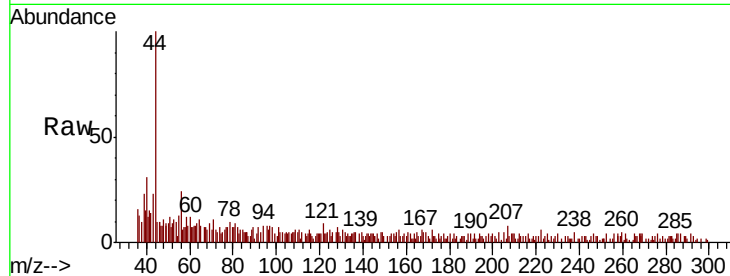




#13
Acrolein
Concen: 0.215 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.00 min
Lab File: VX015647.D
Acq: 13 Apr 2020 17:11

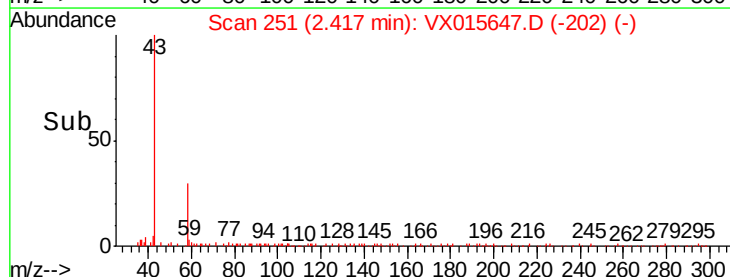
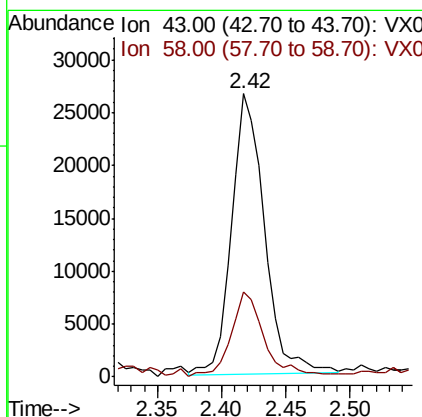
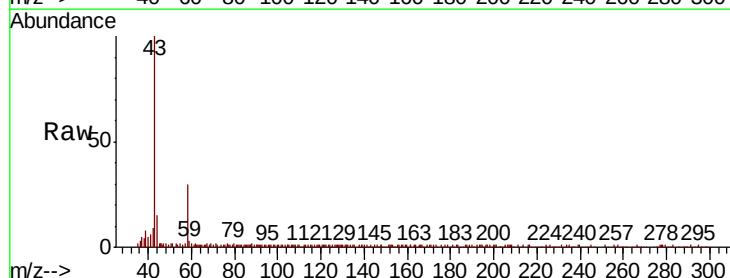
Instrument :
MSVOA_X
ClientSampled :
TB-01-200409

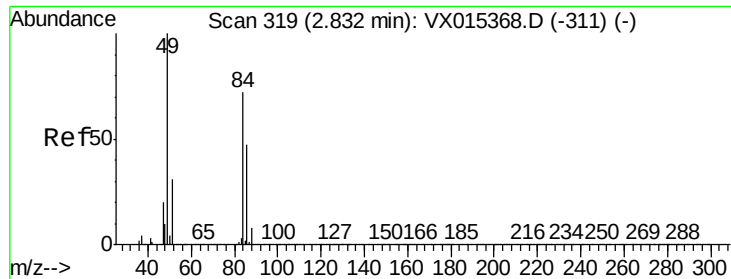
Tot Ion: 56 Resp: 452
Ion Ratio Lower Upper
56 100
55 58.4 57.0 85.4



#16
Acetone
Concen: 7.072 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015647.D
Acq: 13 Apr 2020 17:11

Tgt Ion: 43 Resp: 46912
Ion Ratio Lower Upper
43 100
58 30.6 22.1 33.1

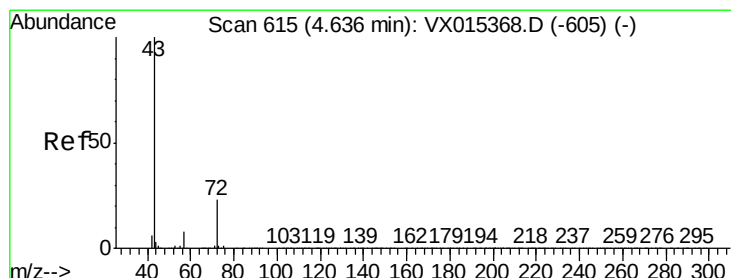
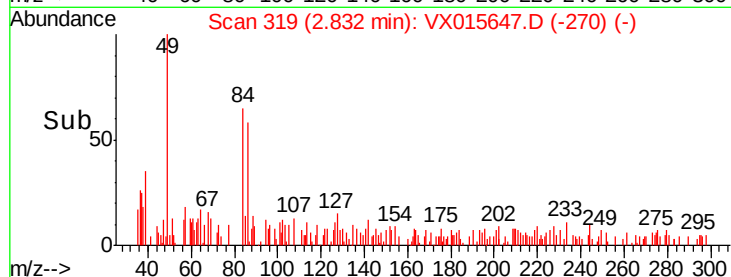
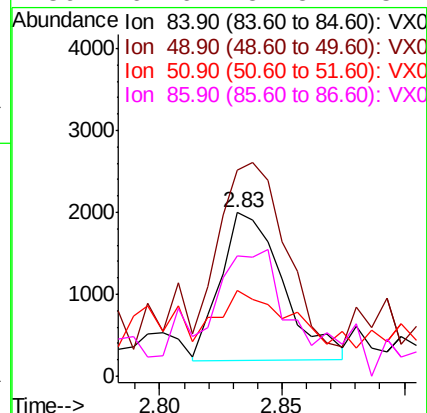
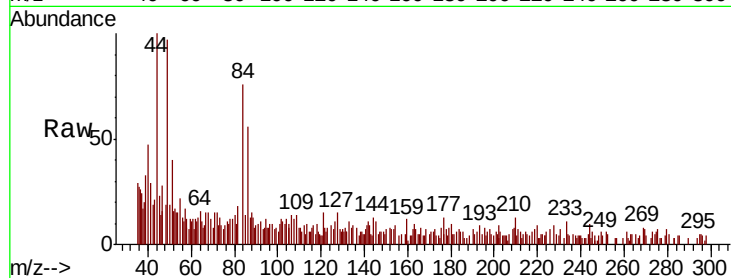




#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 2.83 min Scan# 319
Delta R.T. -0.00 min
Lab File: VX015647.D
Acq: 13 Apr 2020 17:11

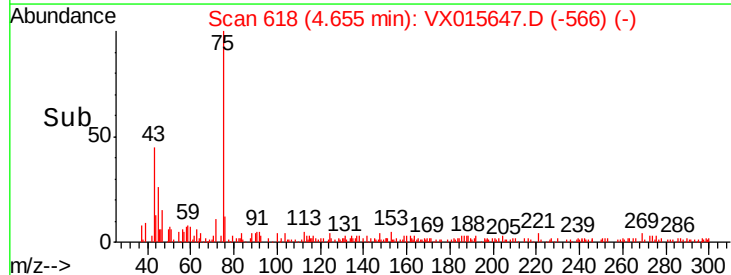
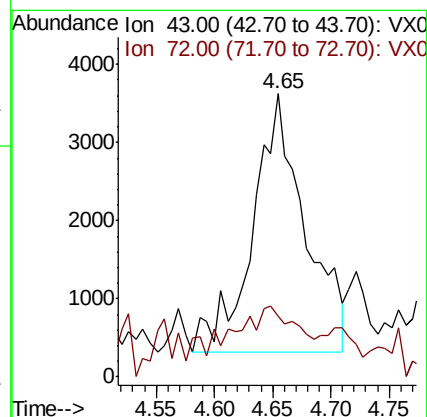
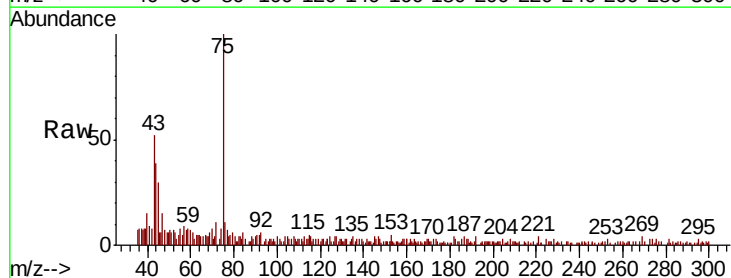
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200409

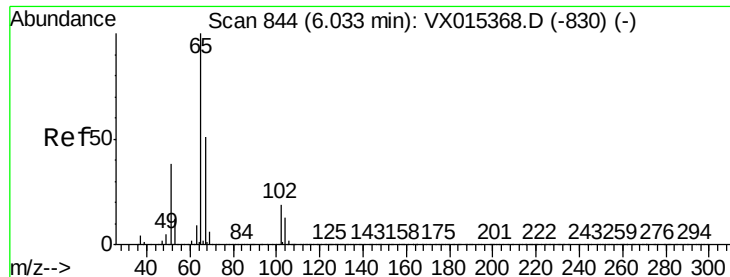
Tot Ion:	84	Resp:	3201
Ion	Ratio	Lower	Upper
84	100		
49	122.7	111.3	166.9
51	35.8	34.0	51.0
86	61.6	52.5	78.7



#25
2-Butanone
Concen: 0.970 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.02 min
Lab File: VX015647.D
Acq: 13 Apr 2020 17:11

Tgt Ion:	43	Resp:	10348
Ion	Ratio	Lower	Upper
43	100		
72	8.1	19.0	28.4#

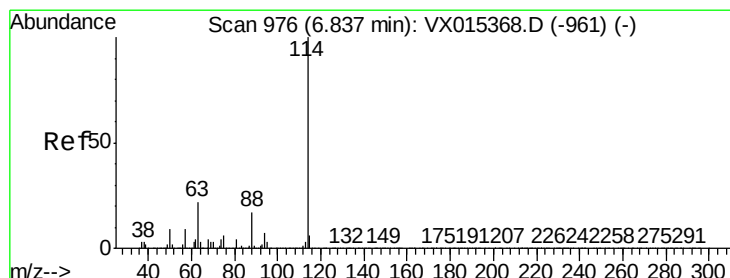
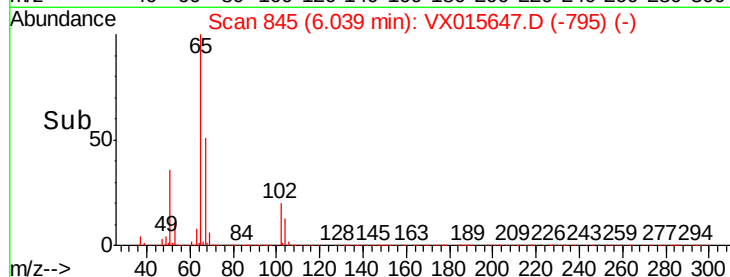
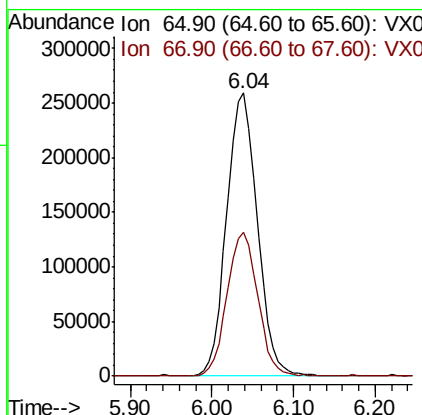
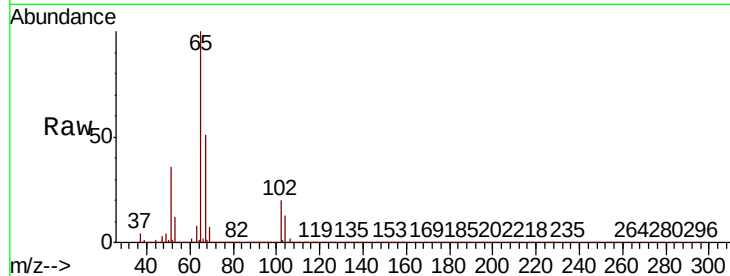




#33
 1,2-Dichloroethane-d4
 Concen: 43.478 ug/l
 RT: 6.04 min Scan# 845
 Delta R.T. 0.01 min
 Lab File: VX015647.D
 Acq: 13 Apr 2020 17:11

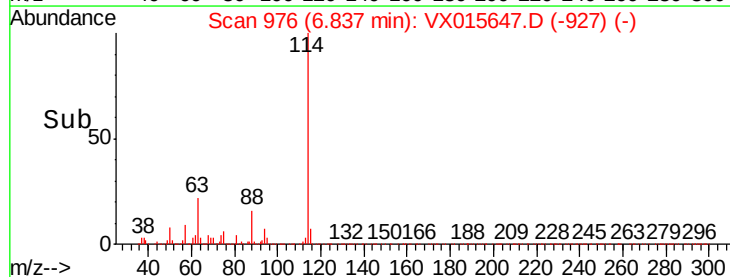
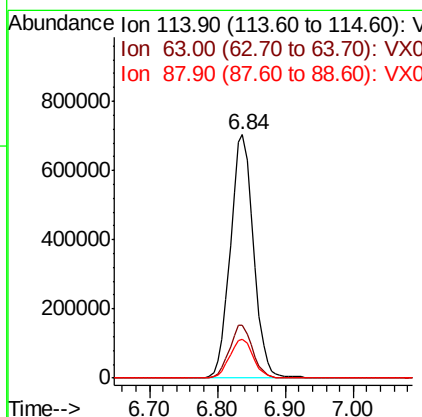
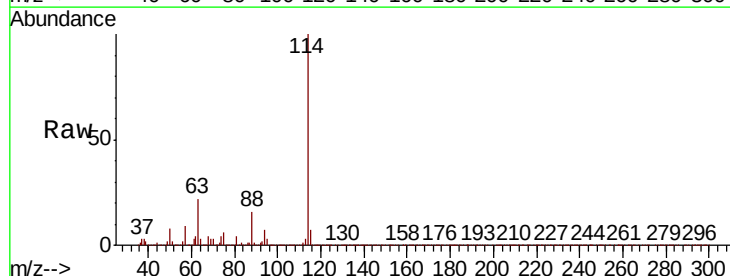
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200409

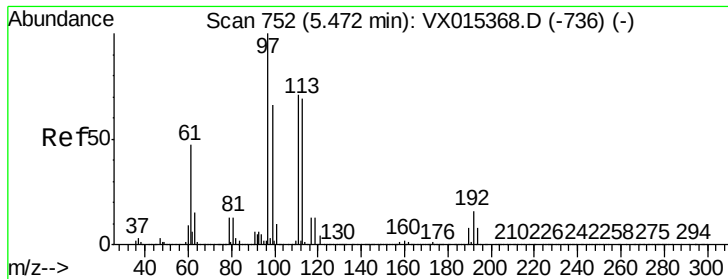
Tot Ion: 65 Resp: 671324
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VX015647.D
 Acq: 13 Apr 2020 17:11

Tgt Ion: 114 Resp: 1660533
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.2
 88 16.0 0.0 33.8

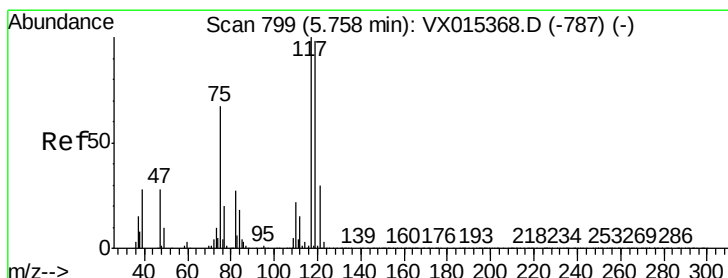
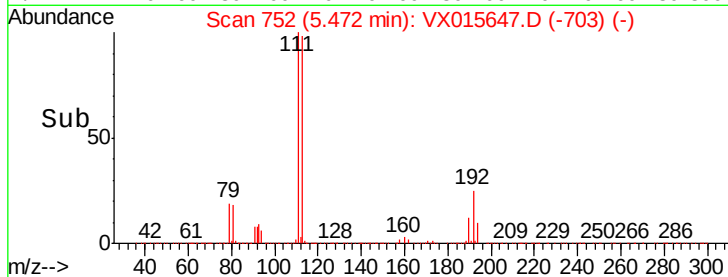
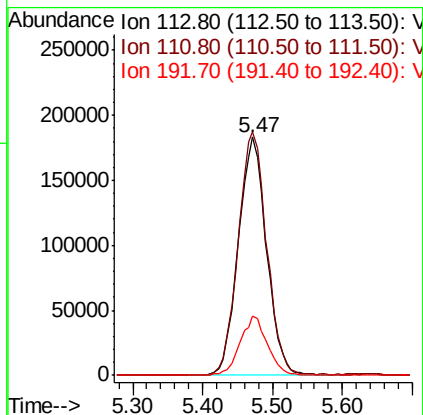
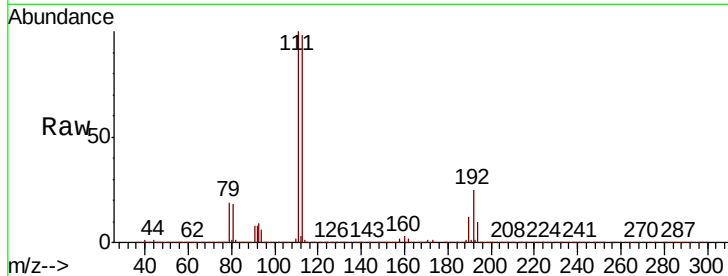




#35
Dibromofluoromethane
Concen: 48.139 ug/l
RT: 5.47 min Scan# 752
Delta R.T. -0.00 min
Lab File: VX015647.D
Acq: 13 Apr 2020 17:11

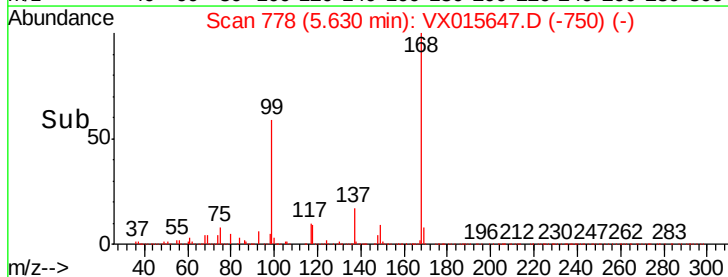
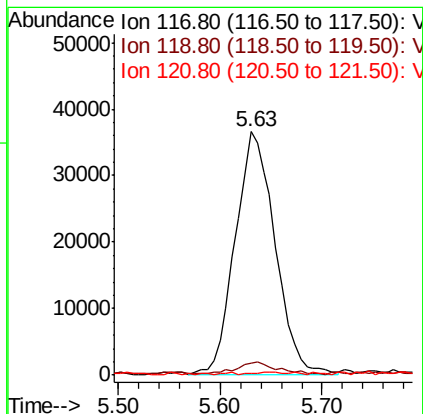
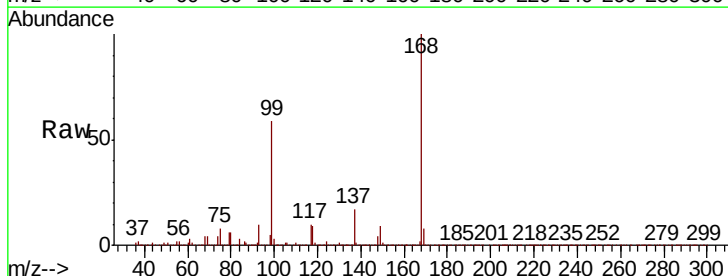
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200409

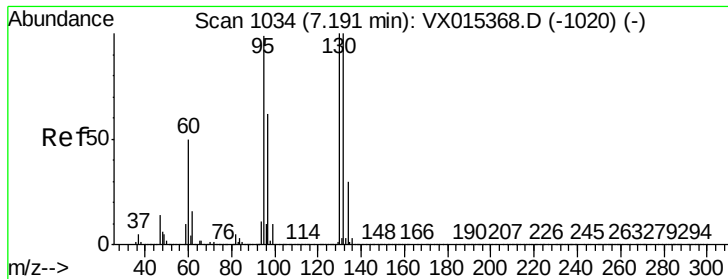
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.5	122.3
192	23.9	17.8	26.6



#38
Carbon Tetrachloride
Concen: 5.944 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.13 min
Lab File: VX015647.D
Acq: 13 Apr 2020 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	78.0	117.0#
121	0.2	23.8	35.8#





#44

Trichloroethene

Concen: 0.224 ug/l

RT: 7.18 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VX015647.D

Acq: 13 Apr 2020 17:11

Instrument :

MSVOA_X

ClientSampled :

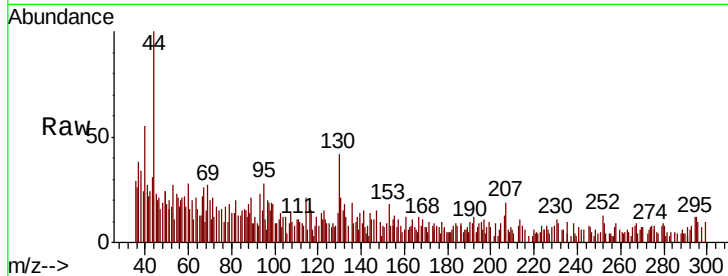
TB-01-200409

Tot Ion:130 Resp: 2733

Ion Ratio Lower Upper

130 100

95 37.4 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

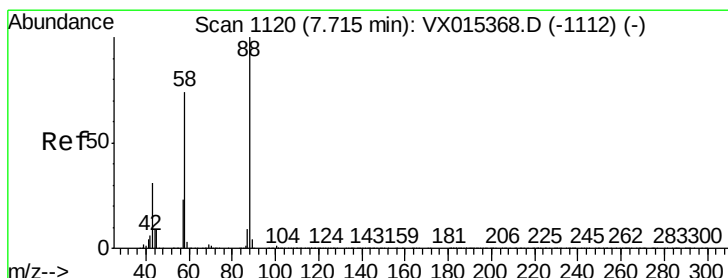
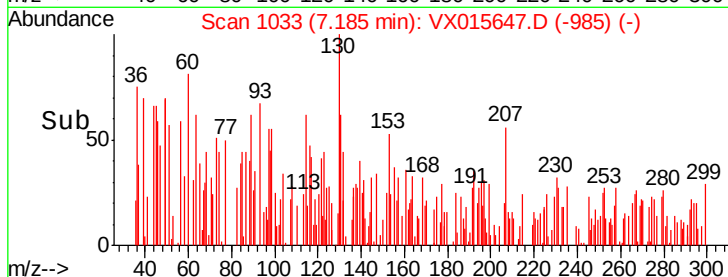
7.18

1000

500

0

Time-->



#49

1,4-Dioxane

Concen: 0.897 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015647.D

Acq: 13 Apr 2020 17:11

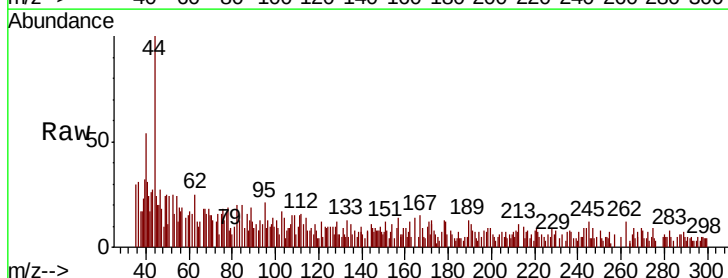
Tgt Ion: 88 Resp: 281

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 48.0 60.6 90.8#



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

7.71

1000

800

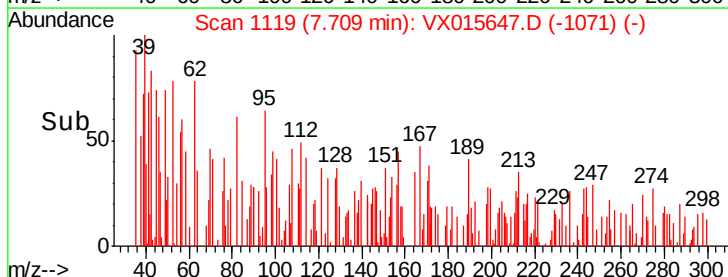
600

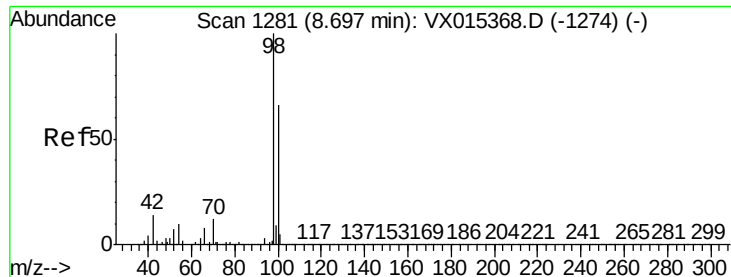
400

200

0

Time-->

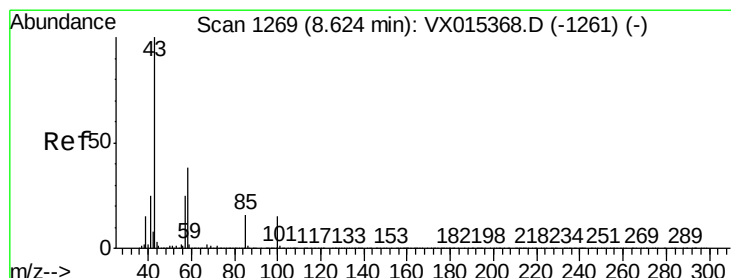
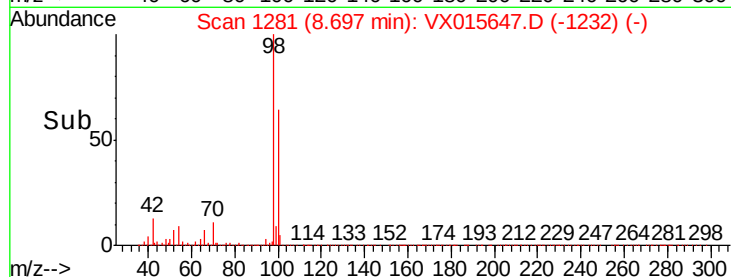
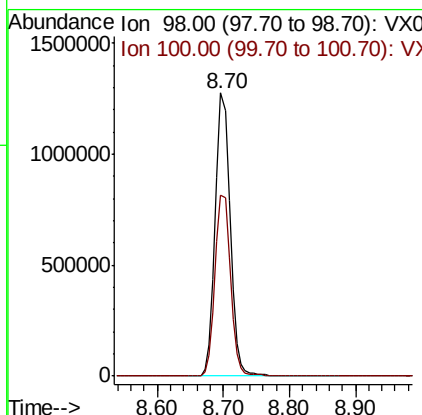
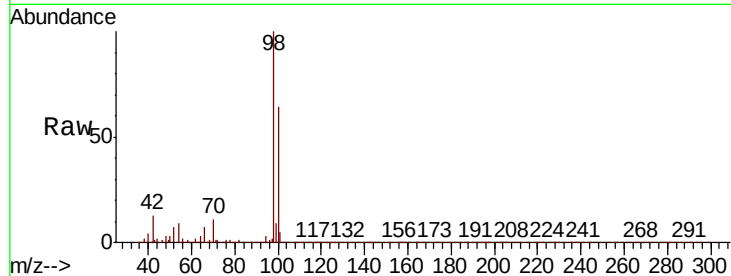




#50
Toluene-d8
Concen: 51.180 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015647.D
Acq: 13 Apr 2020 17:11

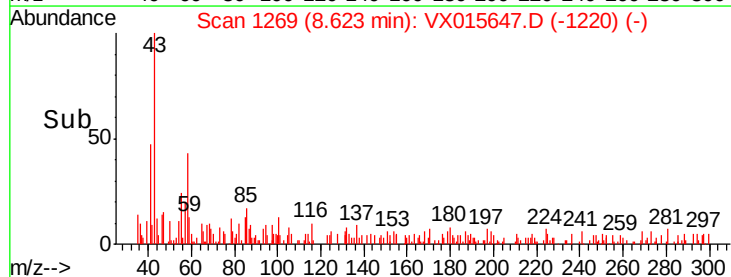
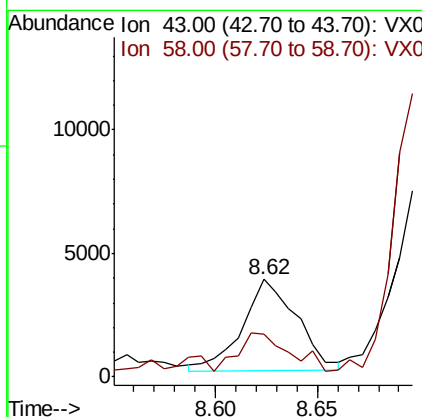
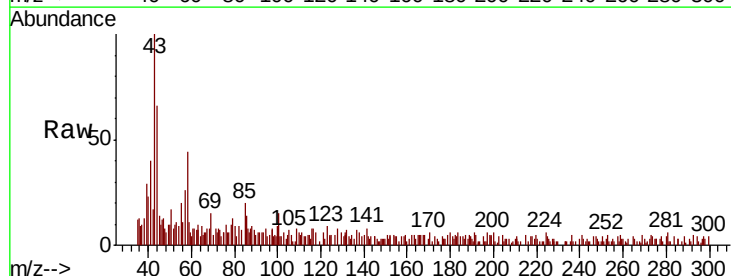
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200409

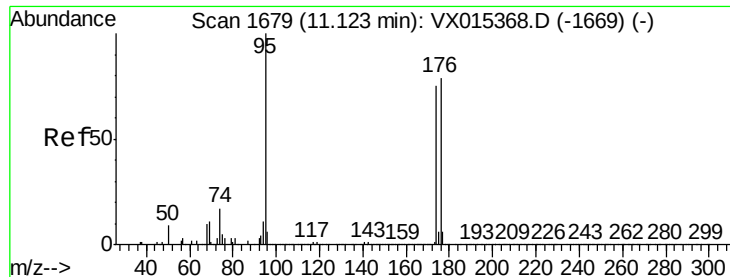
Tot Ion: 98 Resp: 2000132
Ion Ratio Lower Upper
98 100
100 66.3 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.358 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VX015647.D
Acq: 13 Apr 2020 17:11

Tgt Ion: 43 Resp: 6821
Ion Ratio Lower Upper
43 100
58 39.1 29.7 44.5





#62

4-Bromofluorobenzene

Concen: 52.446 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015647.D

Acq: 13 Apr 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200409

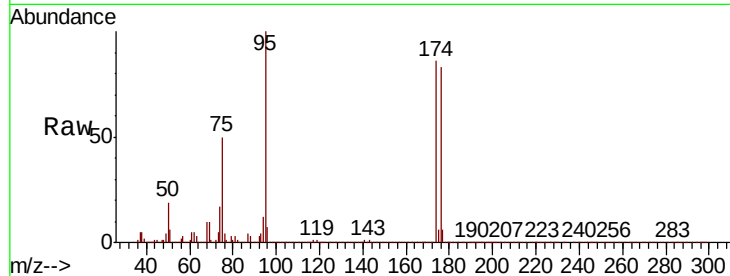
Tot Ion: 95 Resp: 832952

Ion Ratio Lower Upper

95 100

174 88.0 0.0 158.6

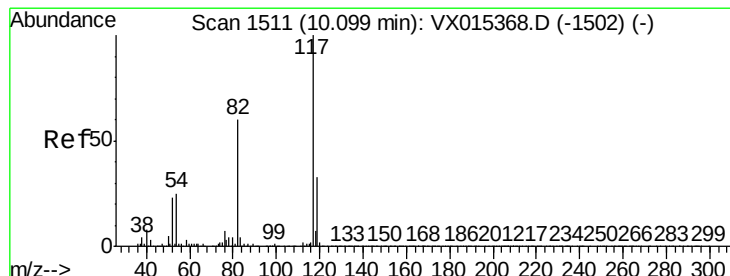
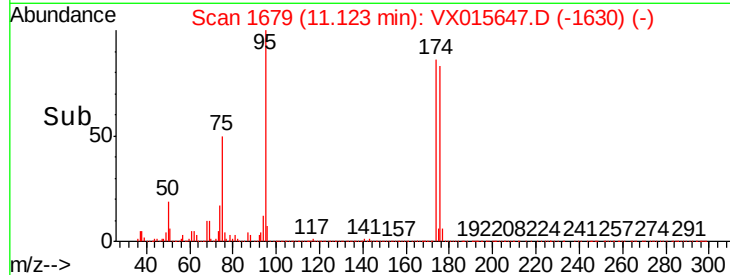
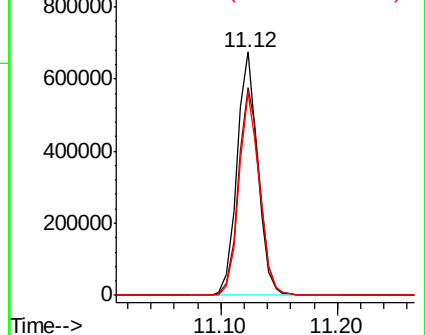
176 83.2 0.0 159.0



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: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015647.D

Acq: 13 Apr 2020 17:11

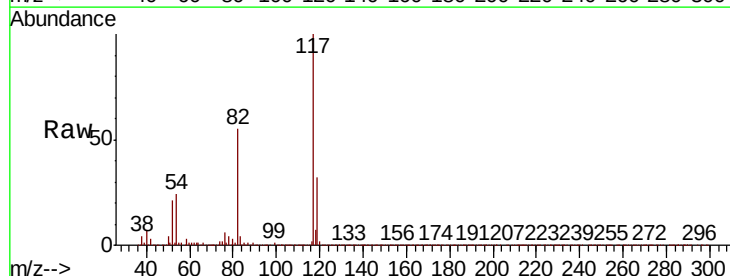
Tgt Ion: 117 Resp: 1602915

Ion Ratio Lower Upper

117 100

82 55.0 47.8 71.8

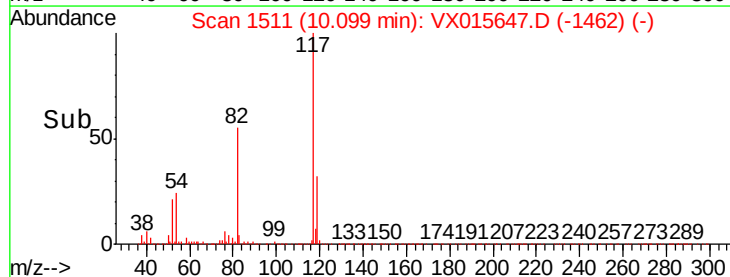
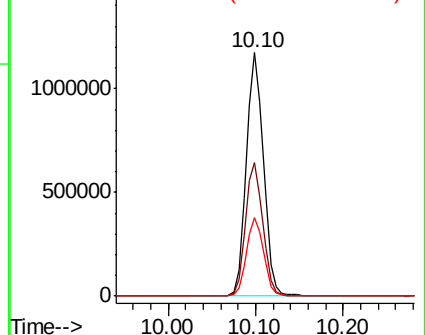
119 32.0 26.8 40.2

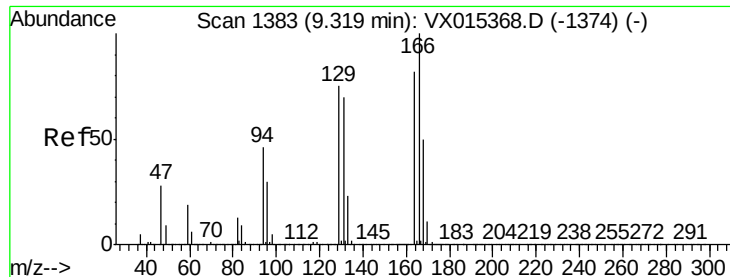


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.425 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX015647.D

Acq: 13 Apr 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200409

Tot Ion:164 Resp: 5138

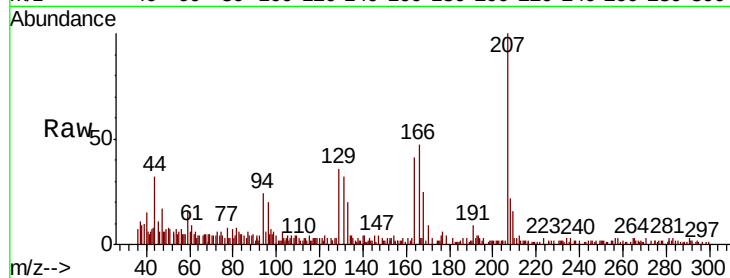
Ion Ratio Lower Upper

164 100

166 107.4 97.8 146.6

129 82.3 73.0 109.4

131 74.9 68.6 103.0

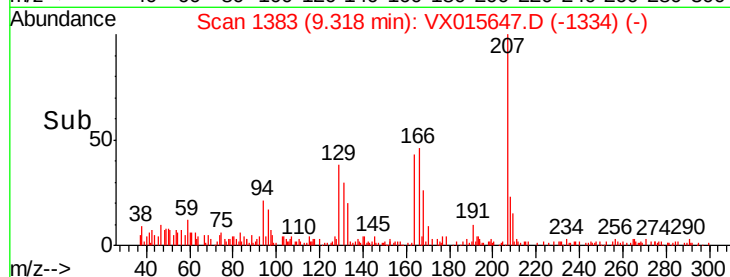


Abundance Ion 163.80 (163.50 to 164.50): V

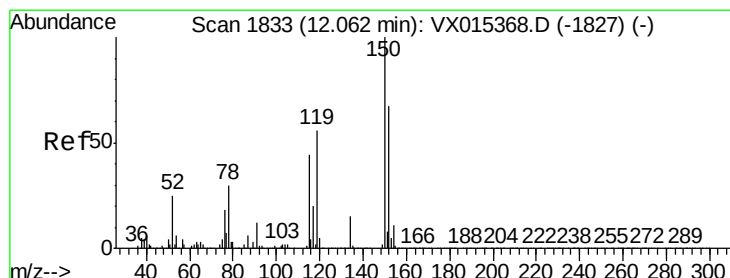
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015647.D

Acq: 13 Apr 2020 17:11

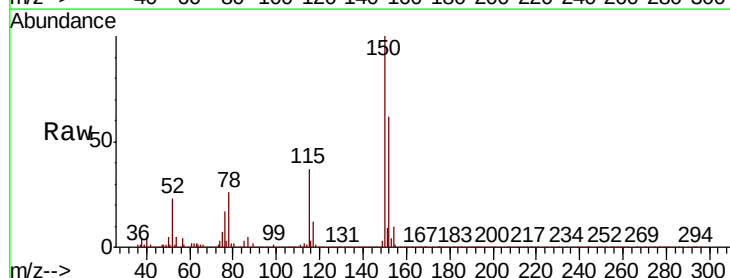
Tgt Ion:152 Resp: 876188

Ion Ratio Lower Upper

152 100

115 57.1 39.0 116.9

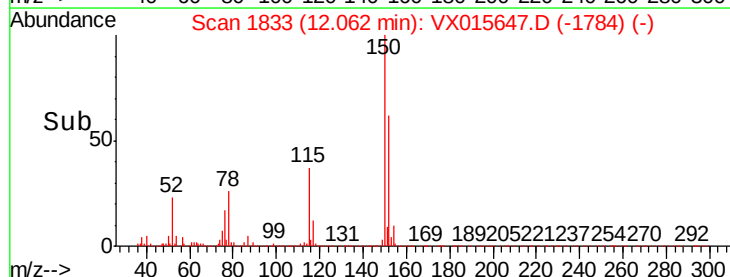
150 155.1 0.0 340.8



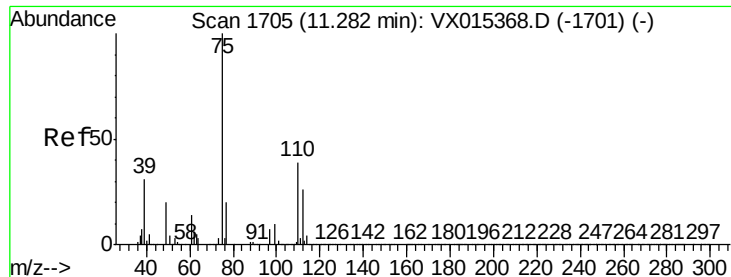
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 23.777 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015647.D

Acq: 13 Apr 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

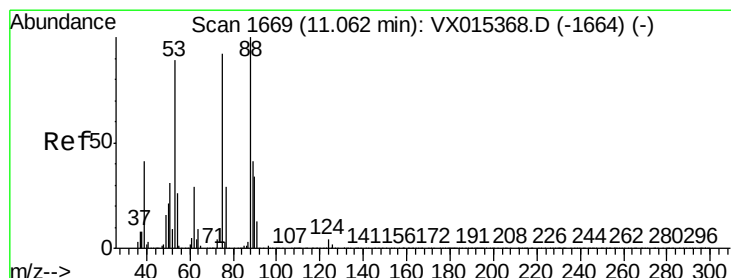
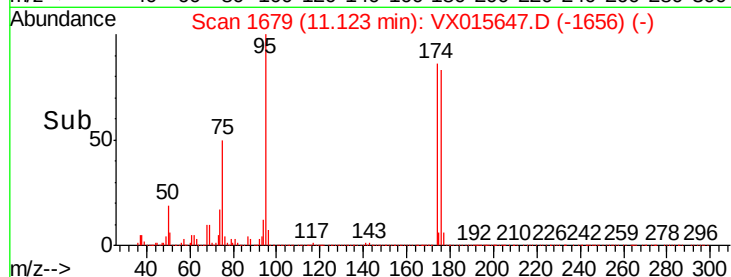
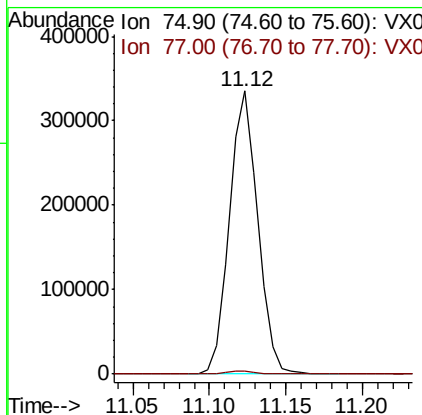
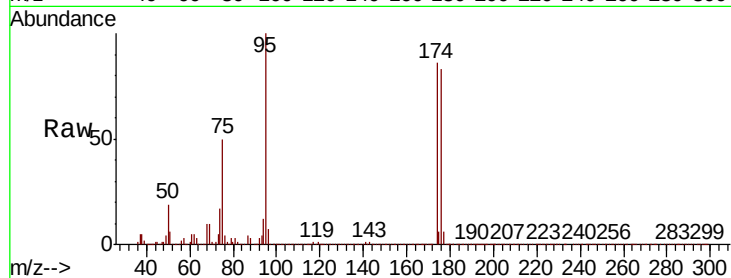
TB-01-200409

Tot Ion: 75 Resp: 428416

Ion Ratio Lower Upper

75 100

77 1.5 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.052 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015647.D

Acq: 13 Apr 2020 17:11

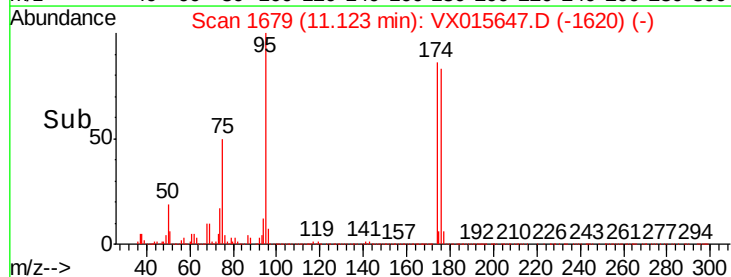
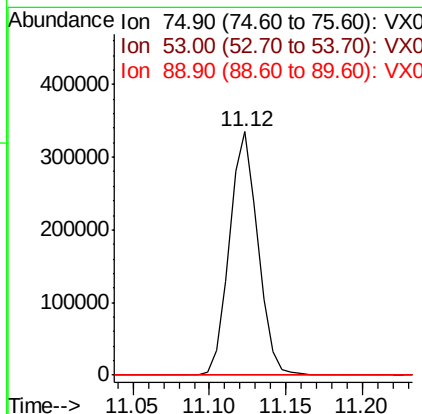
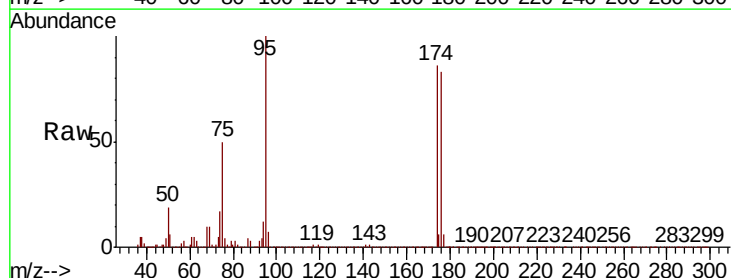
Tgt Ion: 75 Resp: 428416

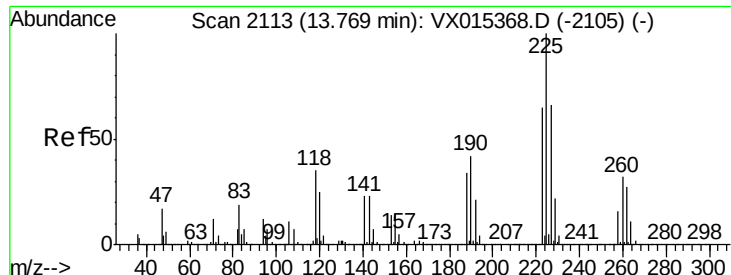
Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#





#94

Hexachlorobutadiene

Concen: 0.250 ug/l

RT: 13.77 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VX015647.D

Acq: 13 Apr 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200409

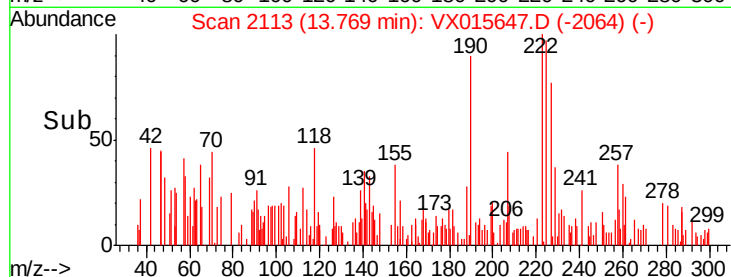
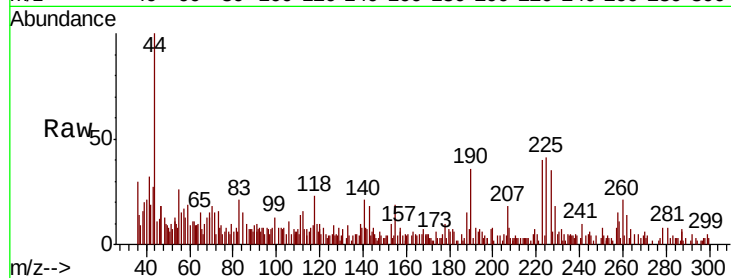
Tot Ion:225 Resp: 2528

Ion Ratio Lower Upper

225 100

223 55.9 31.9 95.7

227 63.8 30.4 91.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

