

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011029.D
 Acq On : 22 Jul 2019 14:39
 Operator : JC/SP
 Sample : K3892-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB071719

Quant Time: Jul 23 03:43:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	227544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	363752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	337023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159084	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	125071	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
35) Dibromofluoromethane	5.50	113	112839	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	8.71	98	433029	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.13	95	156329	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	

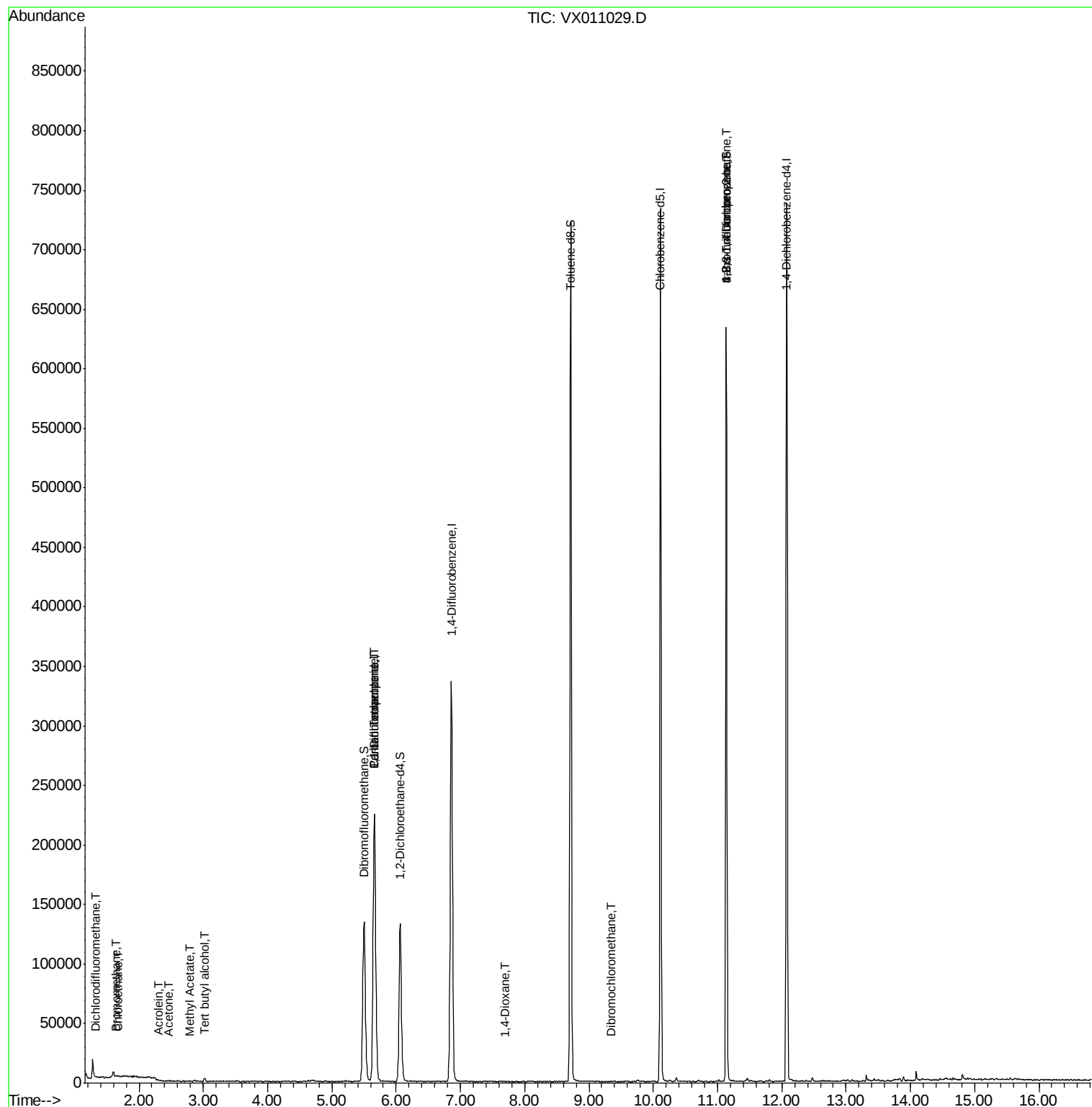
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	42	0.563	ug/l #	43
5) Bromomethane	1.65	94	704	0.585	ug/l #	72
6) Chloroethane	1.66	64	888	0.655	ug/l #	47
11) Tert butyl alcohol	3.02	59	1270	2.253	ug/l #	88
13) Acrolein	2.29	56	67	0.206	ug/l #	32
16) Acetone	2.45	43	332	0.304	ug/l	91
18) Methyl Acetate	2.78	43	523	0.210	ug/l #	78
36) 1,1-Dichloropropene	5.66	75	14712	4.924	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21229	6.818	ug/l #	16
49) 1,4-Dioxane	7.70	88	25	0.365	ug/l #	1
60) Dibromochloromethane	9.34	129	26	2.537	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	77207	26.894	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	77207	66.695	ug/l #	11

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

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Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX011029.D

Acq: 22 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

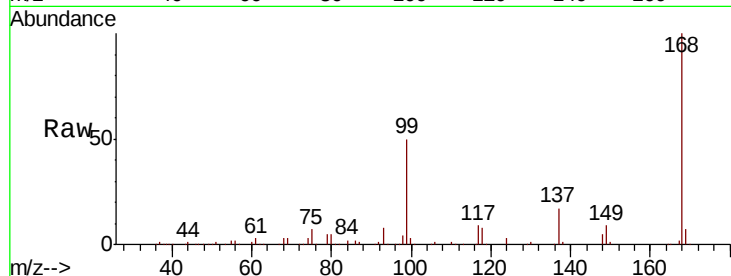
TB071719

Tot Ion:168 Resp: 227544

Ion Ratio Lower Upper

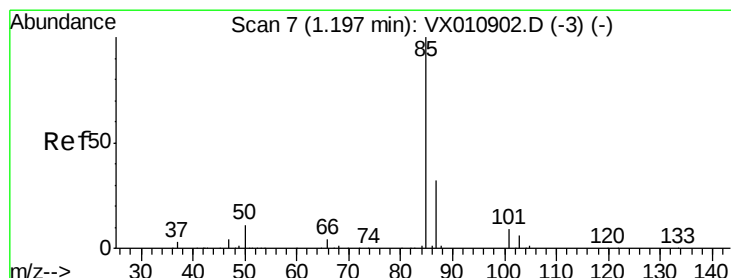
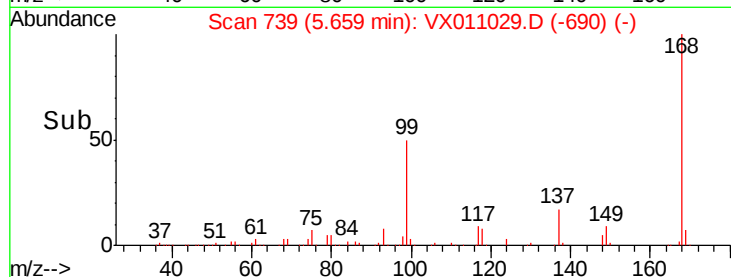
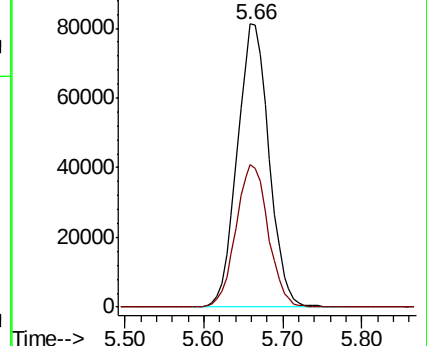
168 100

99 50.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.563 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.13 min

Lab File: VX011029.D

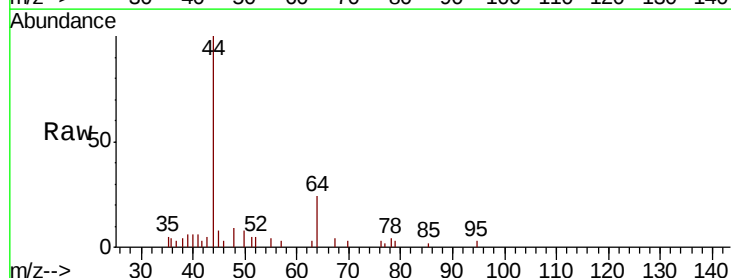
Acq: 22 Jul 2019 14:39

Tgt Ion: 85 Resp: 42

Ion Ratio Lower Upper

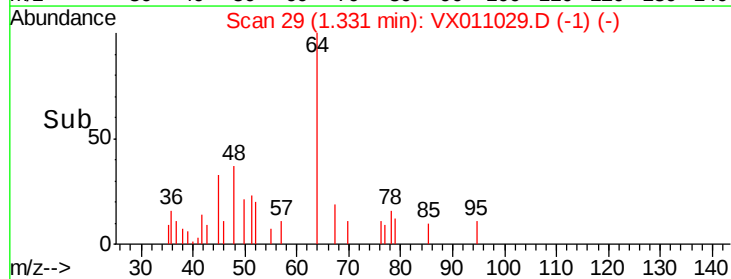
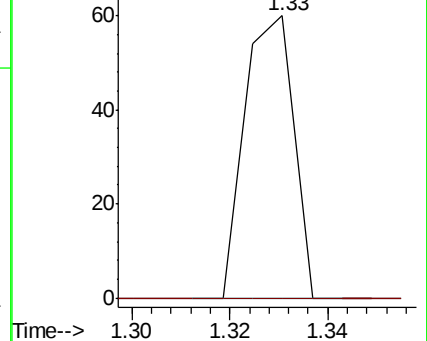
85 100

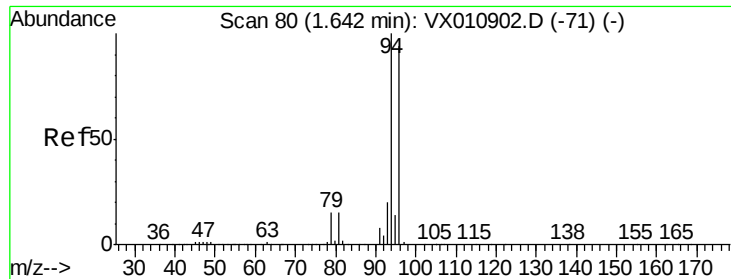
87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.585 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX011029.D

Acq: 22 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

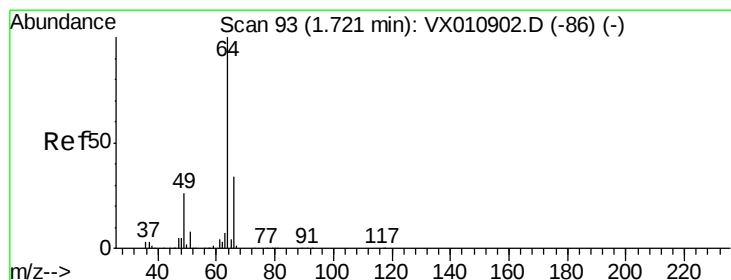
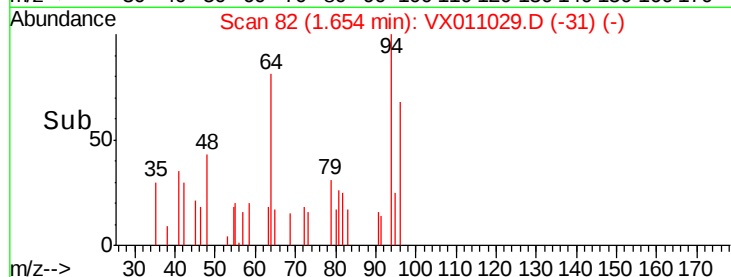
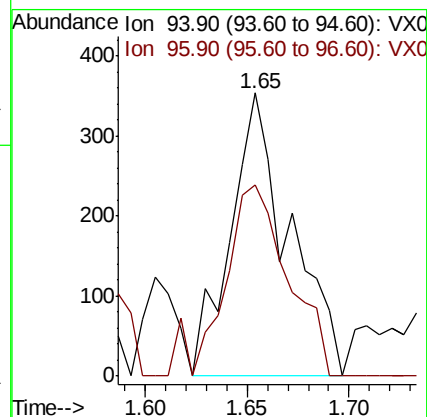
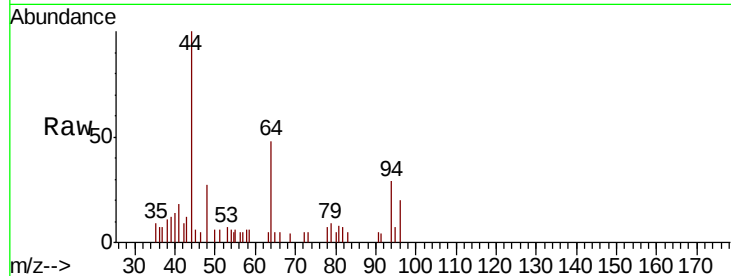
TB071719

Tot Ion: 94 Resp: 704

Ion Ratio Lower Upper

94 100

96 67.7 75.6 113.4#



#6

Chloroethane

Concen: 0.655 ug/l

RT: 1.66 min Scan# 83

Delta R.T. -0.06 min

Lab File: VX011029.D

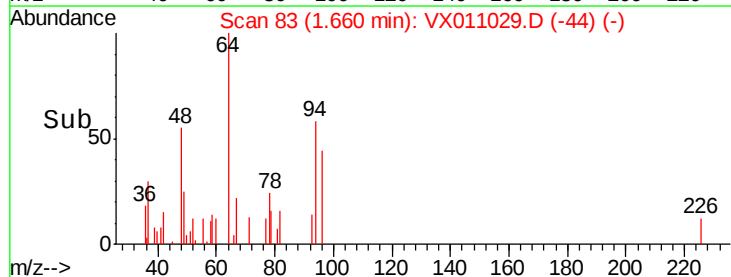
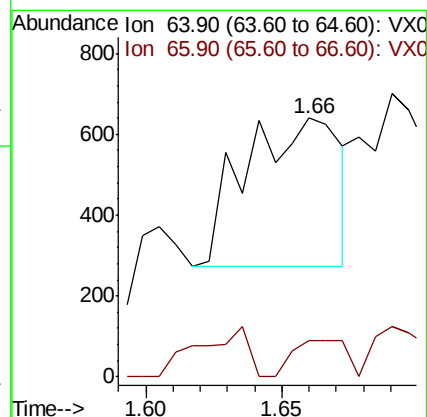
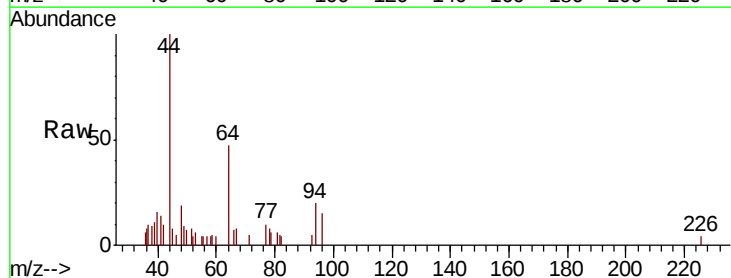
Acq: 22 Jul 2019 14:39

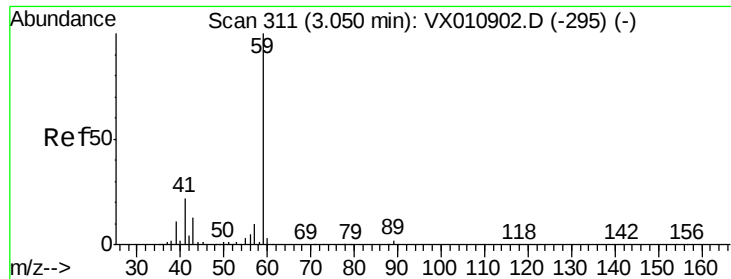
Tgt Ion: 64 Resp: 888

Ion Ratio Lower Upper

64 100

66 3.5 27.0 40.6#



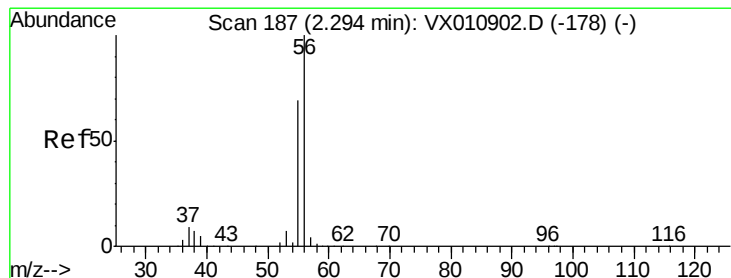
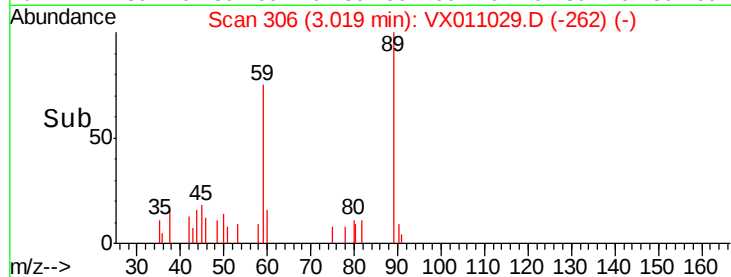
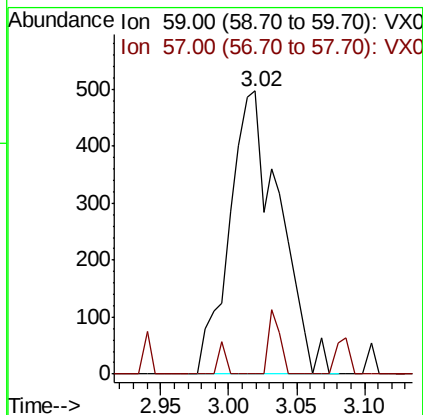
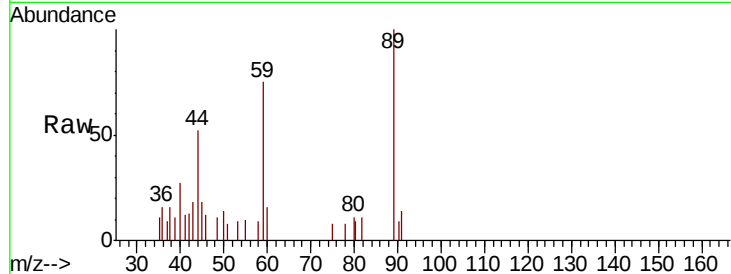


#11

Tert butyl alcohol
Concen: 2.253 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX011029.D
Acq: 22 Jul 2019 14:39

Instrument :
MSVOA_X
ClientSampled :
TB071719

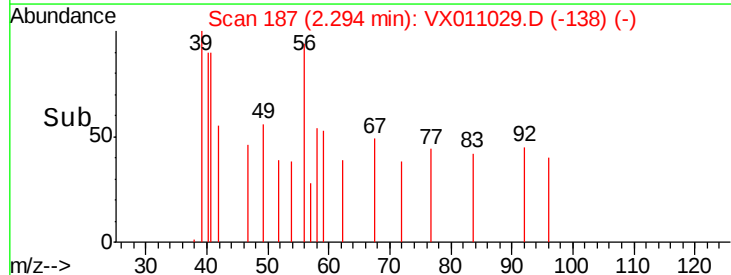
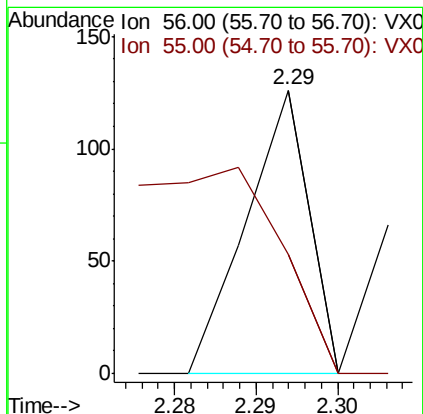
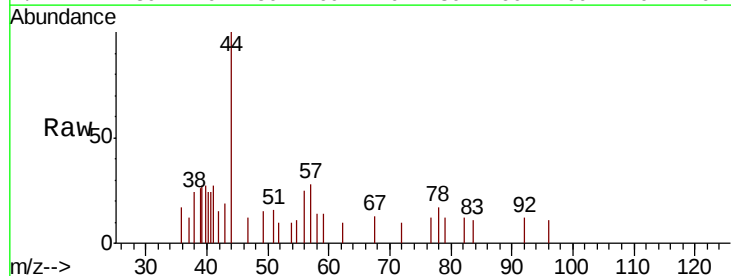
Tot Ion: 59 Resp: 1270
Ion Ratio Lower Upper
59 100
57 5.4 7.9 11.9#

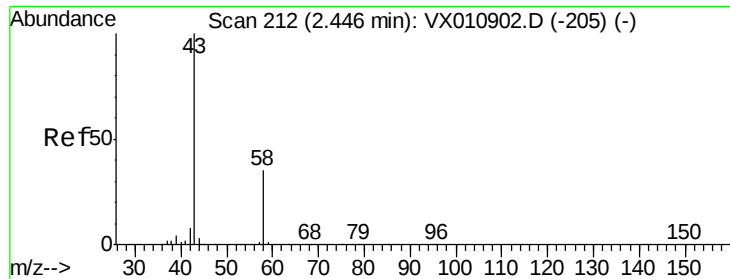


#13

Acrolein
Concen: 0.206 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX011029.D
Acq: 22 Jul 2019 14:39

Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 125.4 55.9 83.9#





#16

Acetone

Concen: 0.304 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX011029.D

Acq: 22 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

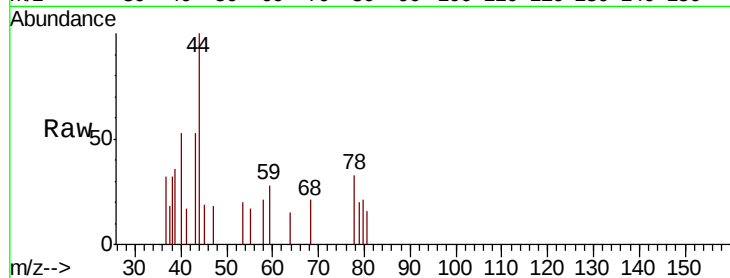
TB071719

Tot Ion: 43 Resp: 332

Ion Ratio Lower Upper

43 100

58 39.8 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

200

150

100

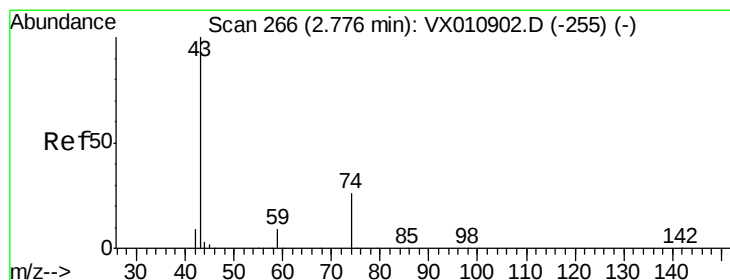
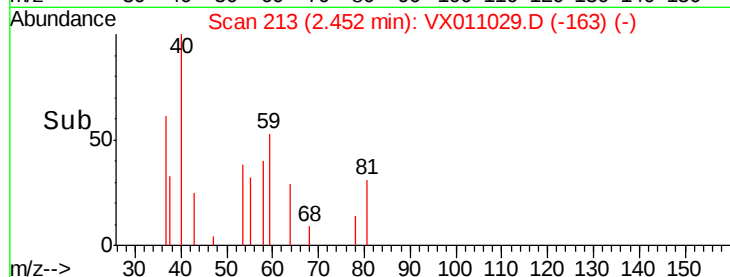
50

0

2.45

2.50

Time-->



#18

Methyl Acetate

Concen: 0.210 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX011029.D

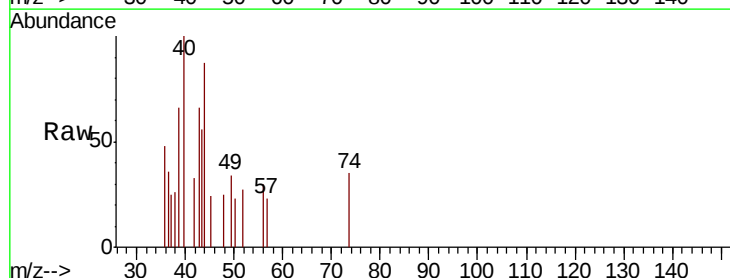
Acq: 22 Jul 2019 14:39

Tgt Ion: 43 Resp: 523

Ion Ratio Lower Upper

43 100

74 15.5 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

300

250

200

150

100

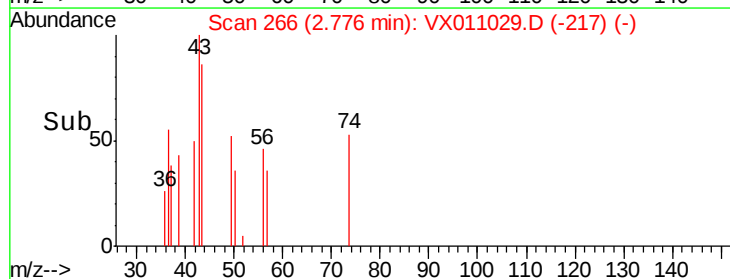
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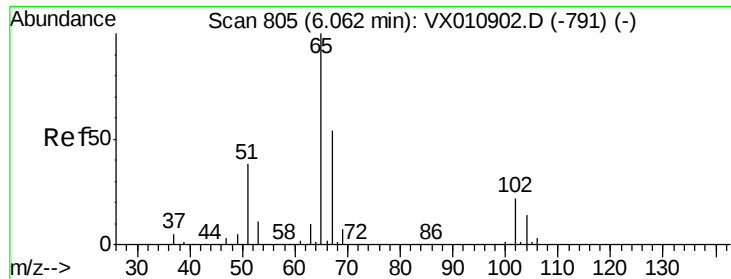
0

2.75

2.80

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.667 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX011029.D

Acq: 22 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

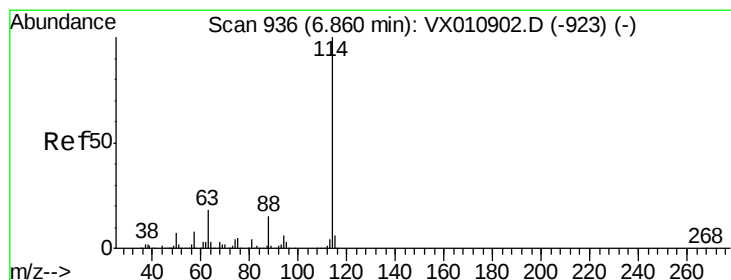
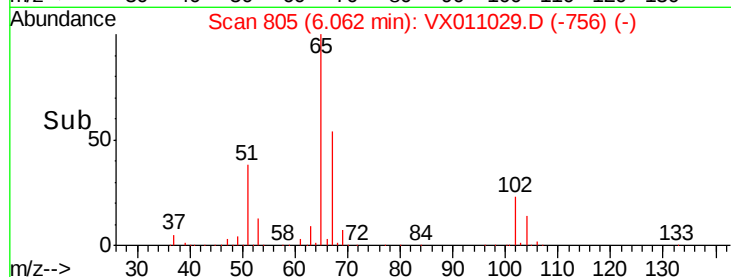
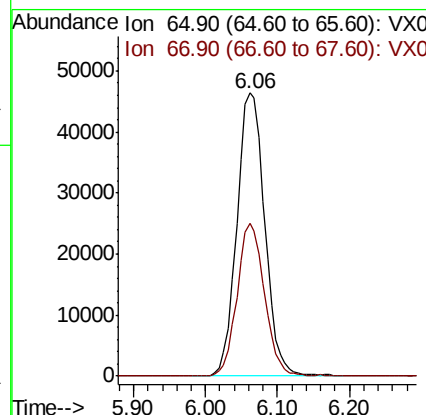
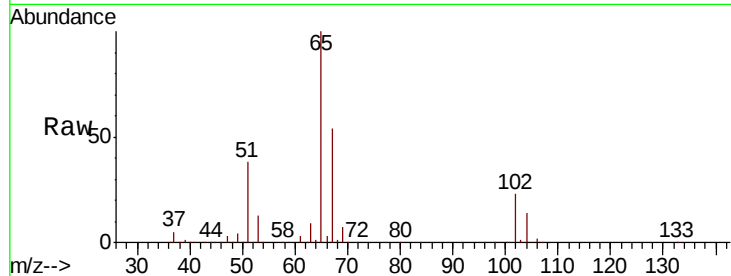
TB071719

Tot Ion: 65 Resp: 125071

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX011029.D

Acq: 22 Jul 2019 14:39

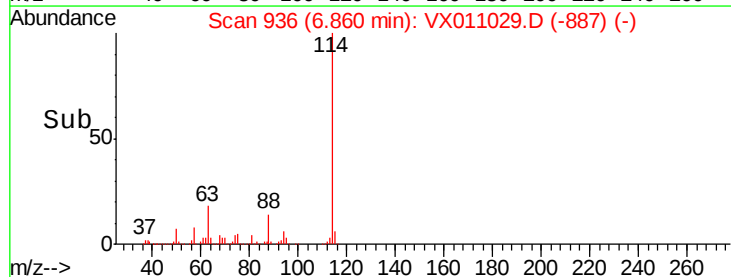
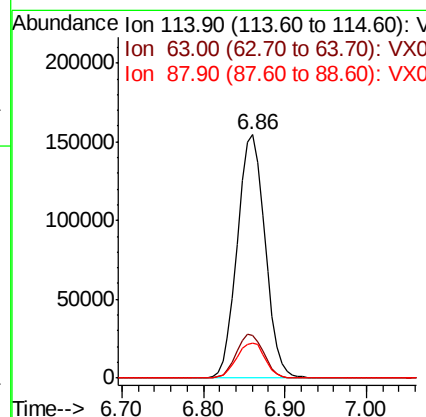
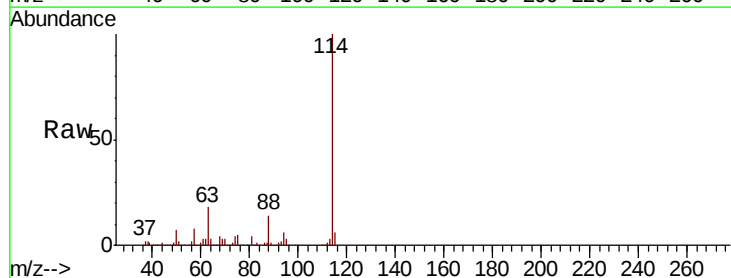
Tgt Ion: 114 Resp: 363752

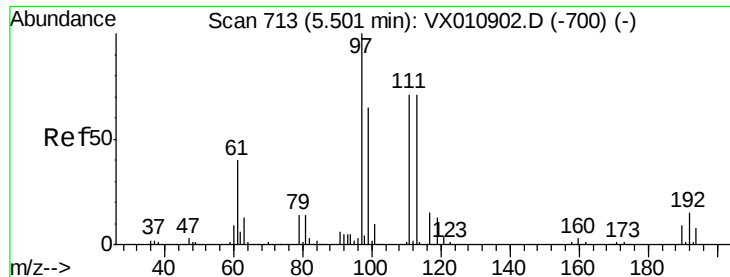
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

88 14.2 0.0 29.8

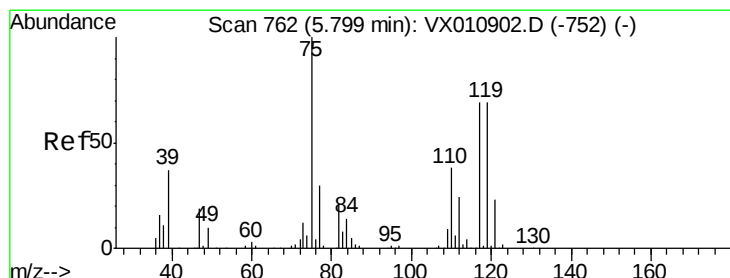
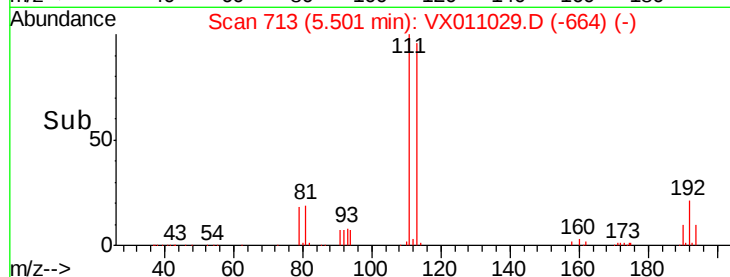
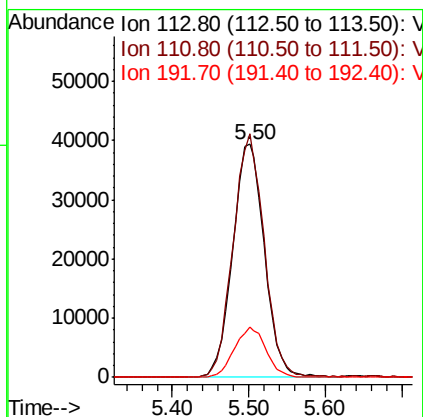
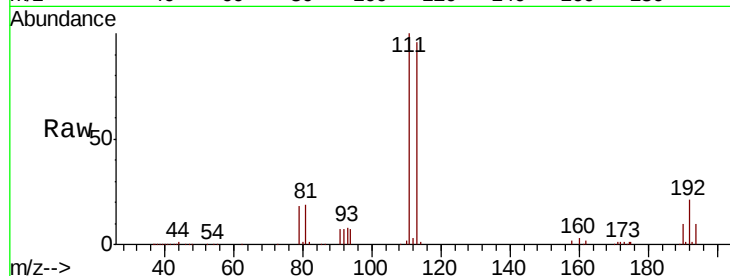




#35
 Dibromofluoromethane
 Concen: 48.873 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX011029.D
 Acq: 22 Jul 2019 14:39

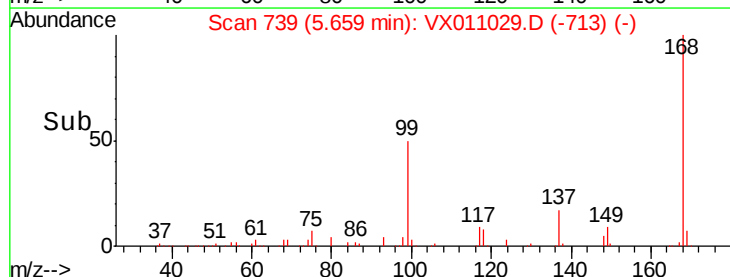
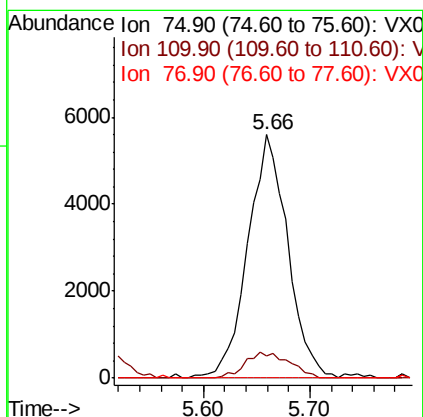
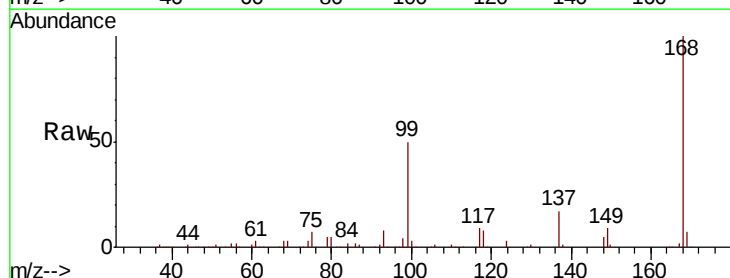
Instrument :
 MSVOA_X
 ClientSampleId :
 TB071719

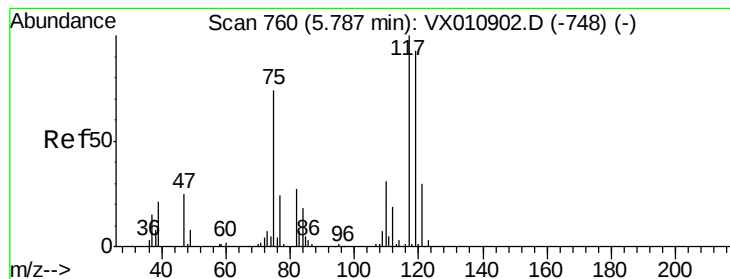
Tot Ion:113 Resp: 112839
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.3 123.5
 192 21.7 17.4 26.2



#36
 1,1-Dichloropropene
 Concen: 4.924 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX011029.D
 Acq: 22 Jul 2019 14:39

Tgt Ion: 75 Resp: 14712
 Ion Ratio Lower Upper
 75 100
 110 11.8 19.9 59.7#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.818 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX011029.D

Acq: 22 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

TB071719

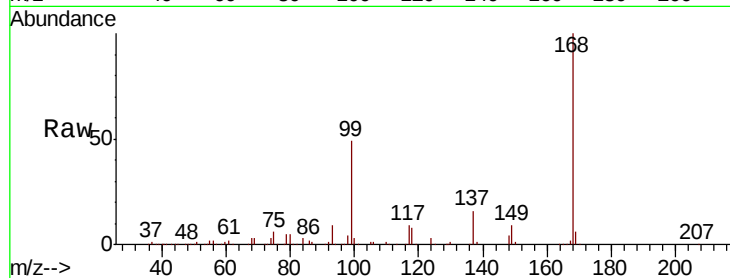
Tot Ion:117 Resp: 21229

Ion Ratio Lower Upper

117 100

119 3.3 74.2 111.2#

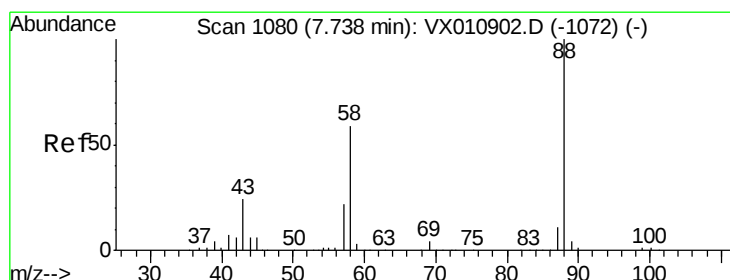
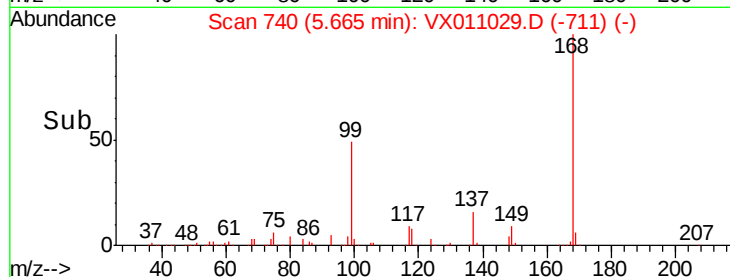
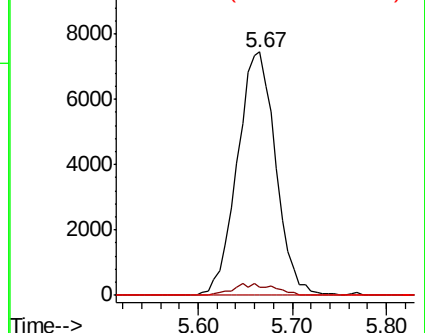
121 0.0 24.2 36.2#



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: 0.365 ug/l

RT: 7.70 min Scan# 1073

Delta R.T. -0.04 min

Lab File: VX011029.D

Acq: 22 Jul 2019 14:39

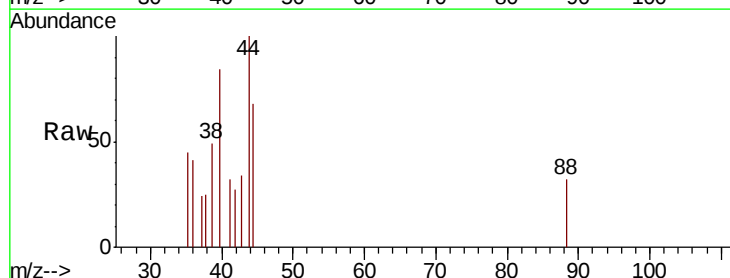
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 108.0 22.9 34.3#

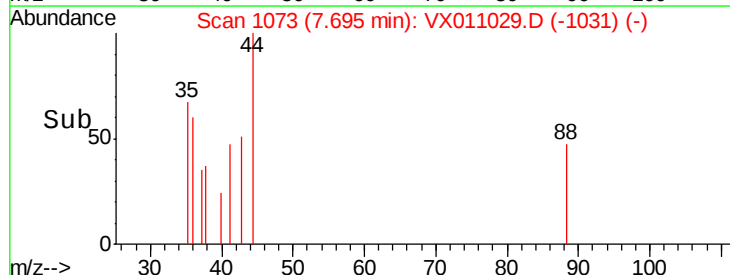
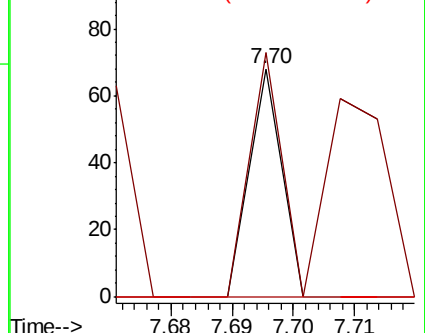
58 0.0 49.8 74.8#

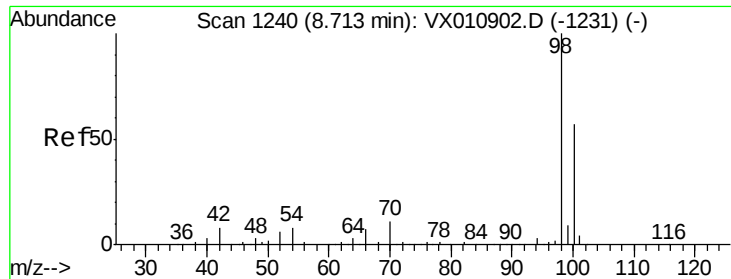


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.006 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011029.D

Acq: 22 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

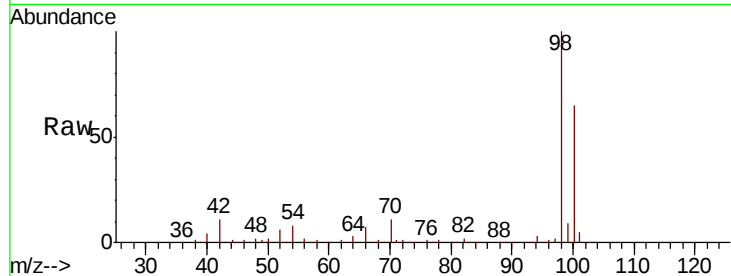
TB071719

Tot Ion: 98 Resp: 433029

Ion Ratio Lower Upper

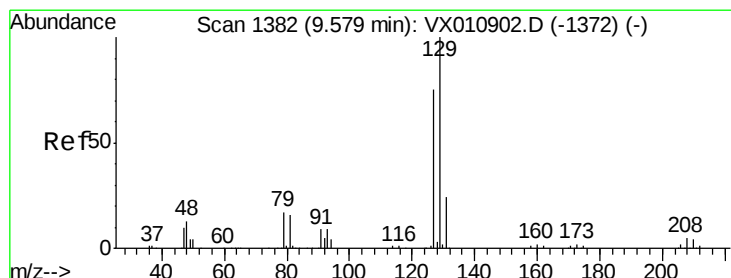
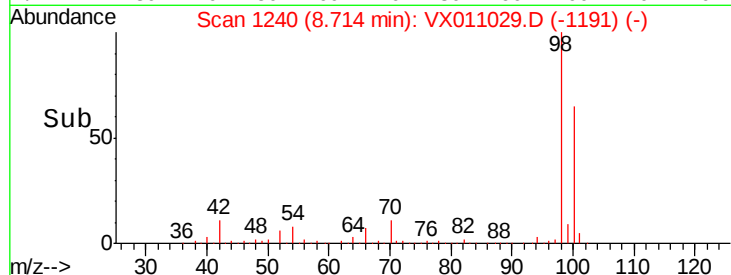
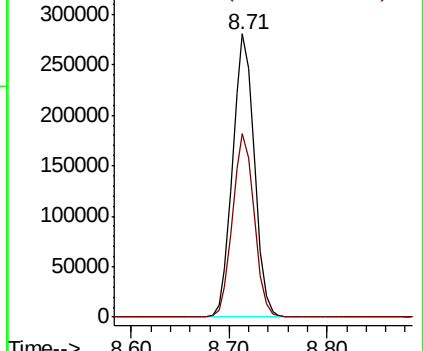
98 100

100 64.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 2.537 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX011029.D

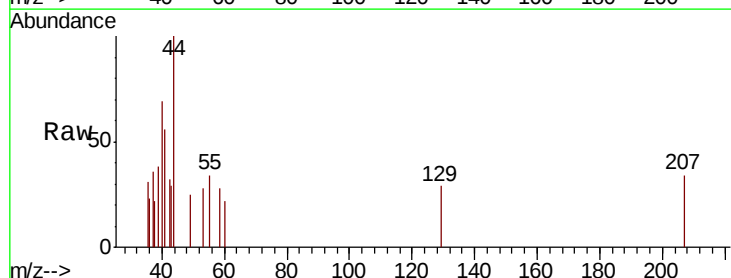
Acq: 22 Jul 2019 14:39

Tgt Ion:129 Resp: 26

Ion Ratio Lower Upper

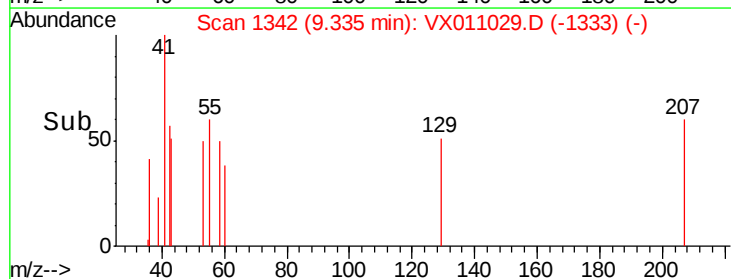
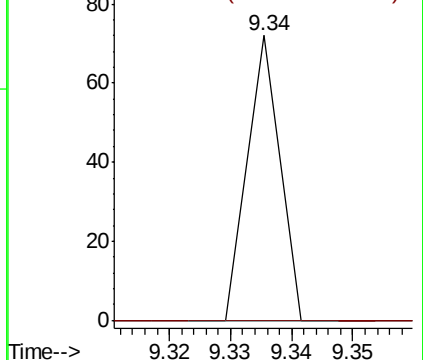
129 100

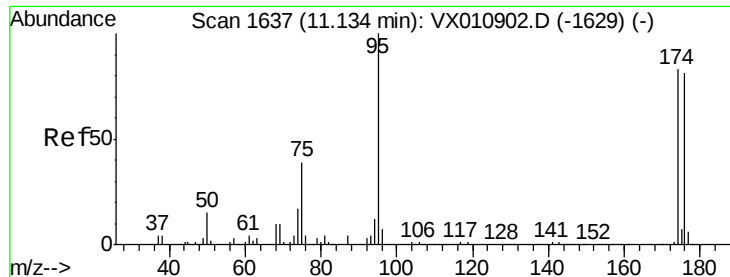
127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 49.114 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011029.D

Acq: 22 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

TB071719

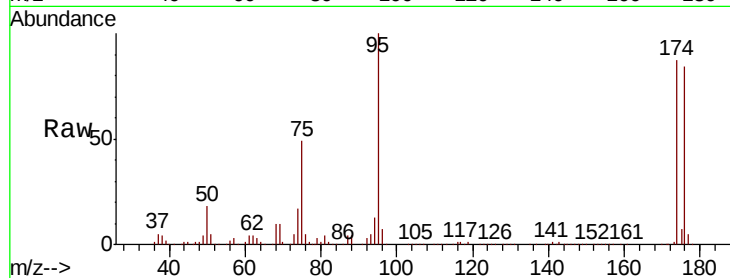
Tot Ion: 95 Resp: 156329

Ion Ratio Lower Upper

95 100

174 90.9 0.0 180.6

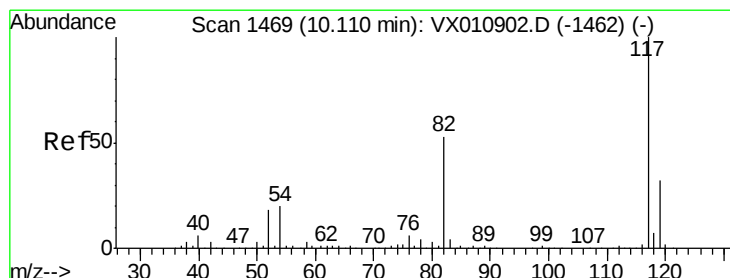
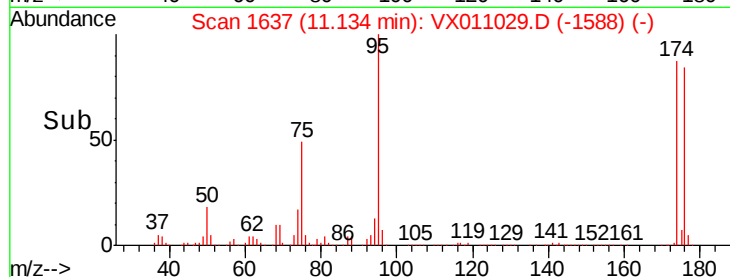
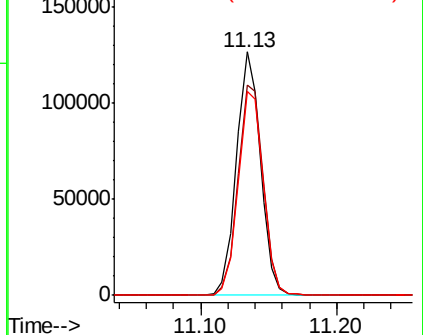
176 87.3 0.0 173.8



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# 1469

Delta R.T. 0.00 min

Lab File: VX011029.D

Acq: 22 Jul 2019 14:39

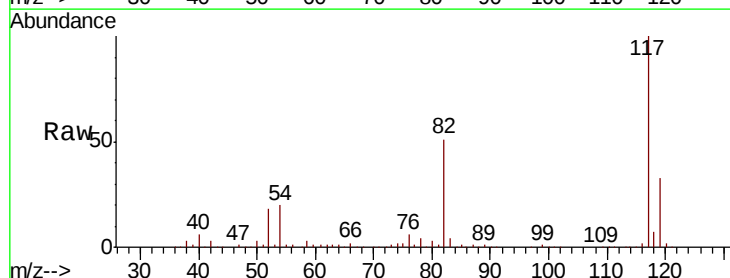
Tgt Ion: 117 Resp: 337023

Ion Ratio Lower Upper

117 100

82 51.4 42.6 63.8

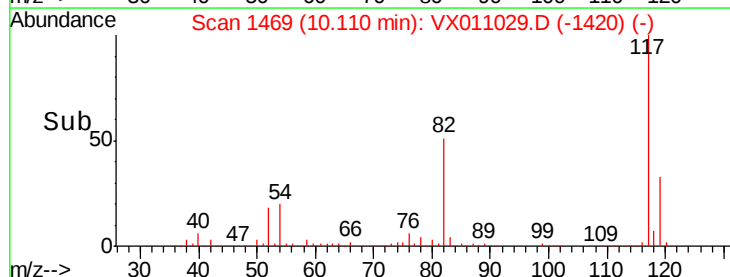
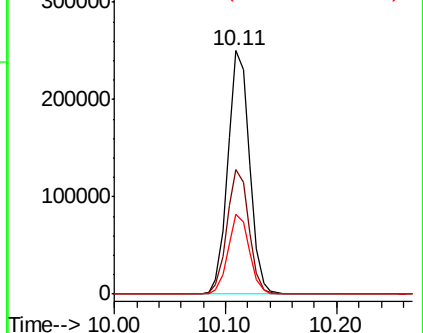
119 32.7 25.9 38.9

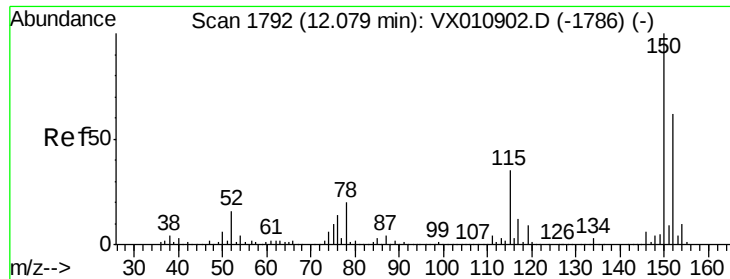


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011029.D

Acq: 22 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

TB071719

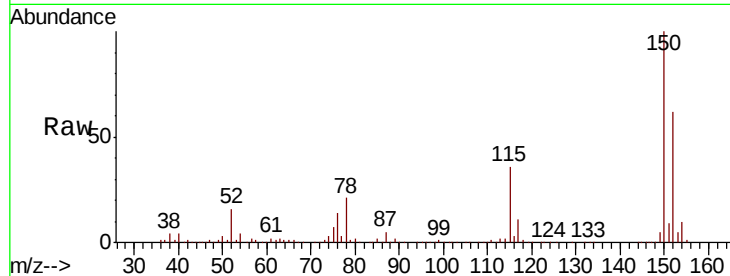
Tot Ion:152 Resp: 159084

Ion Ratio Lower Upper

152 100

115 57.1 39.7 119.1

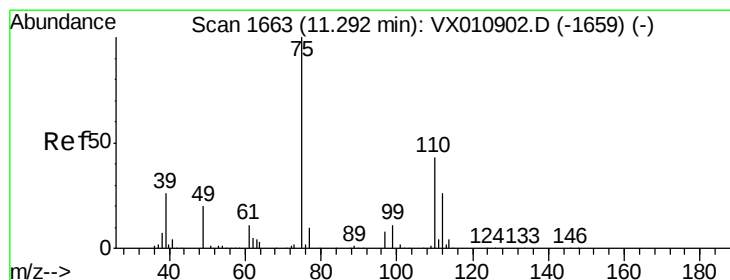
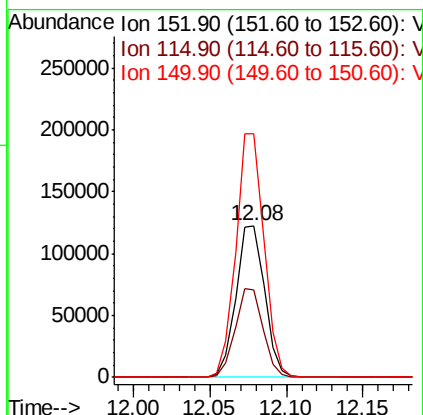
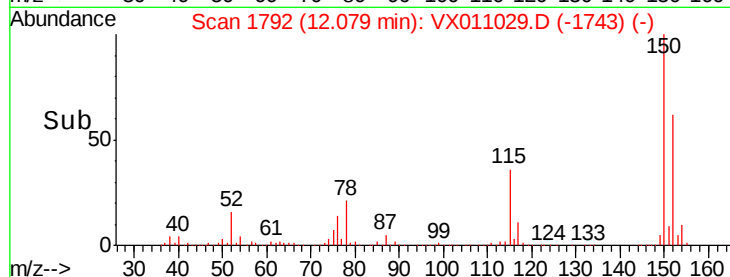
150 157.6 0.0 345.6



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: 26.894 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011029.D

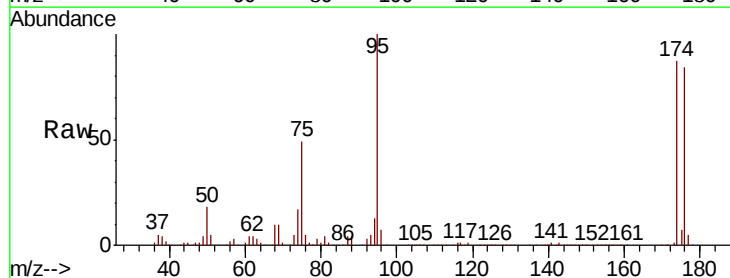
Acq: 22 Jul 2019 14:39

Tgt Ion: 75 Resp: 77207

Ion Ratio Lower Upper

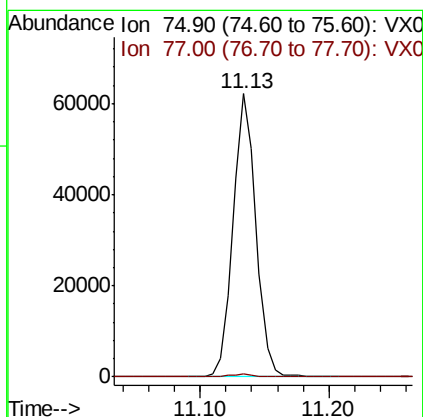
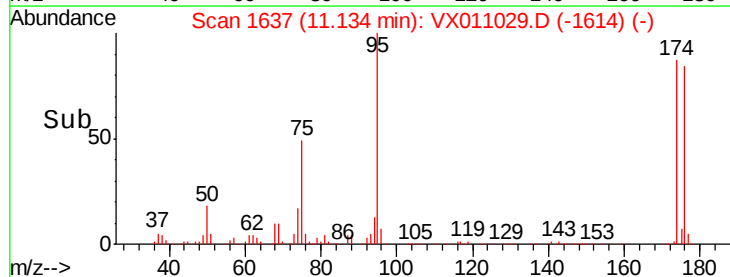
75 100

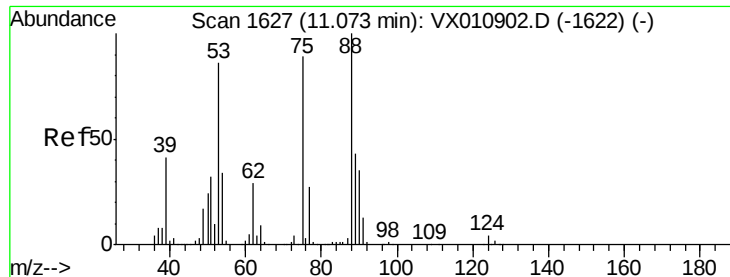
77 1.2 21.3 64.0#



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: 66.695 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011029.D

Acq: 22 Jul 2019 14:39

Instrument :

MSVOA_X

ClientSampleId :

TB071719

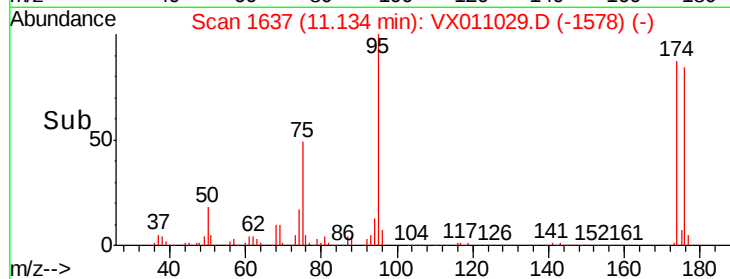
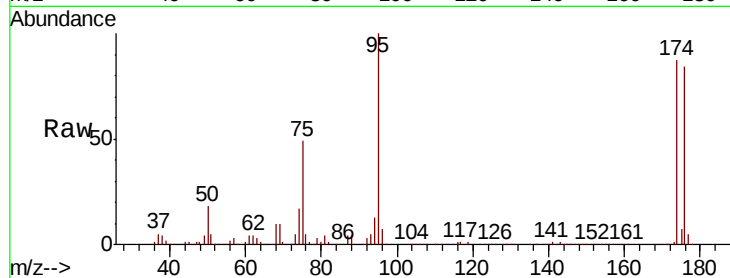
Tot Ion: 75 Resp: 77207

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

