

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032519\
 Data File : VX008435.D
 Acq On : 26 Mar 2019 01:15
 Operator : JC/SP
 Sample : K2059-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB032019

Quant Time: Mar 26 06:08:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	228468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	389202	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	332921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	135055	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	165909	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
35) Dibromofluoromethane	5.50	113	121469	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
50) Toluene-d8	8.71	98	486404	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.13	95	161415	42.93	ug/l	0.00
Spiked Amount			Recovery	=	85.86%	

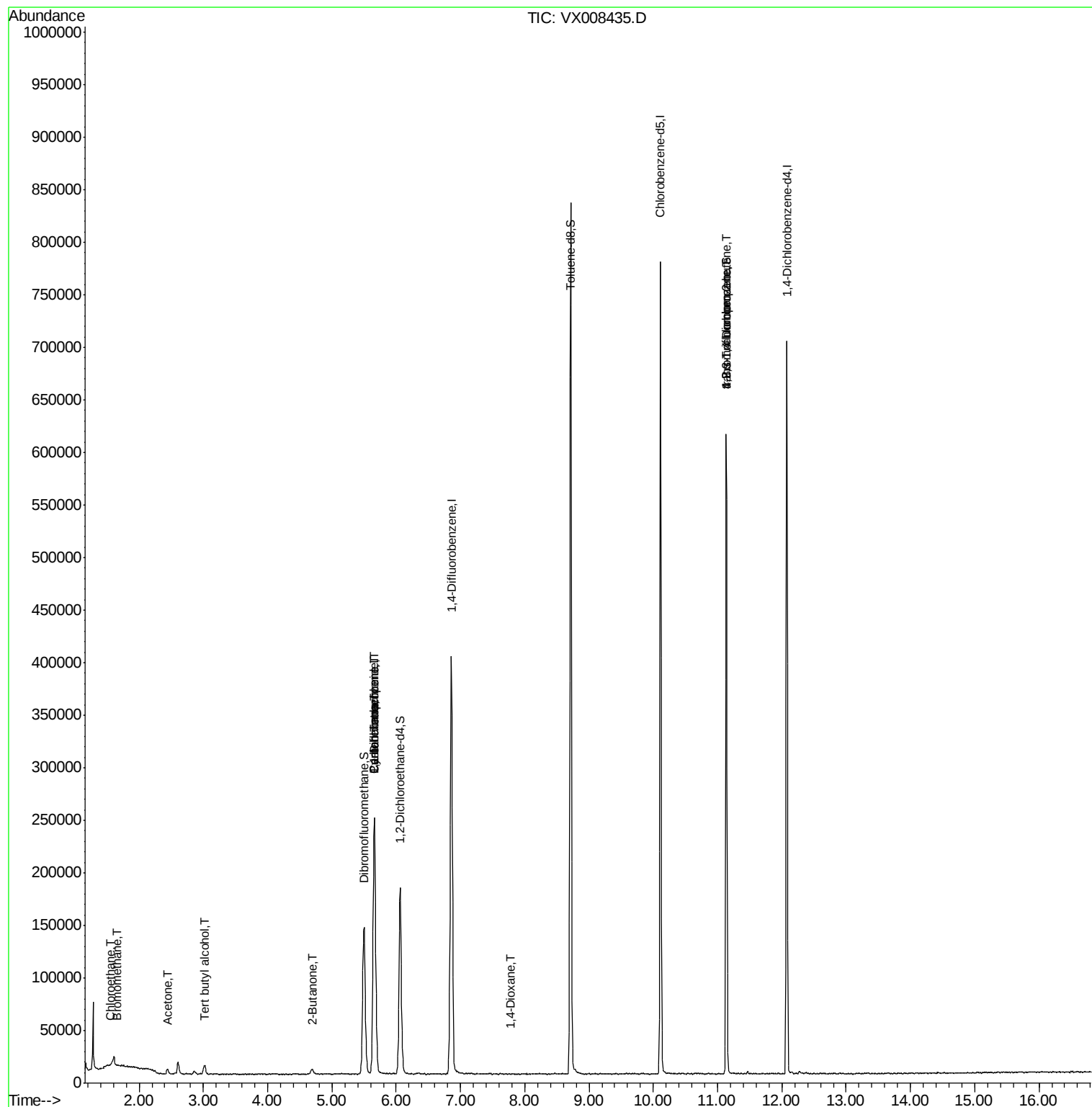
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	325	Below Cal	#	77
5) Bromomethane	1.66	94	321	1.965	ug/l #	66
6) Chloroethane	1.55	64	9501	4.265	ug/l #	48
11) Tert butyl alcohol	3.02	59	5991	7.807	ug/l #	77
16) Acetone	2.44	43	5127	2.832	ug/l	98
20) Methylene Chloride	2.85	84	1051	Below Cal	#	86
21) trans-1,2-Dichloroethene	3.18	96	40	Below Cal	#	1
25) 2-Butanone	4.70	43	786	0.271	ug/l #	52
31) Cyclohexane	5.66	56	5696	1.026	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20027	4.826	ug/l #	51
38) Carbon Tetrachloride	5.66	117	23143	6.683	ug/l #	16
49) 1,4-Dioxane	7.79	88	21	0.245	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	84396	21.020	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	84396	67.323	ug/l #	9

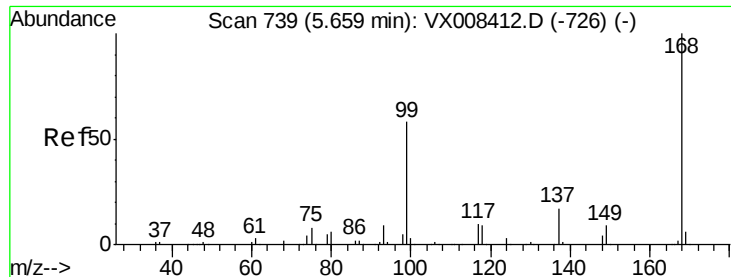
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 04:58:03 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: VX008435.D

Acq: 26 Mar 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

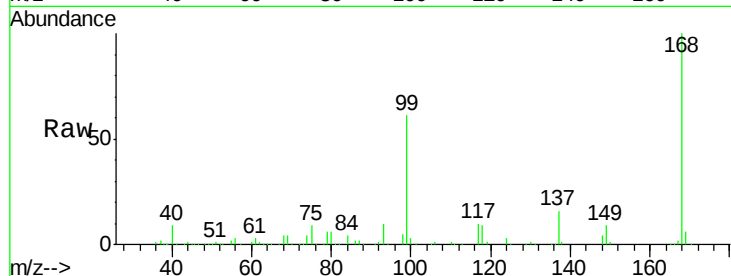
FB032019

Tot Ion:168 Resp: 228468

Ion Ratio Lower Upper

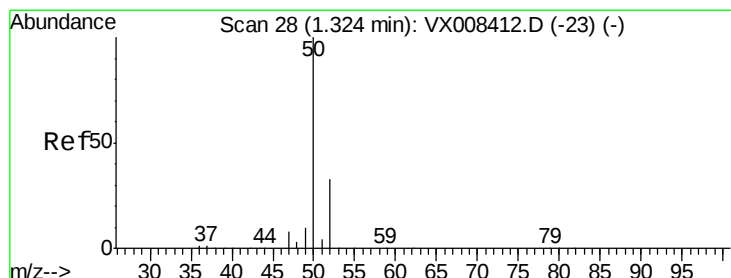
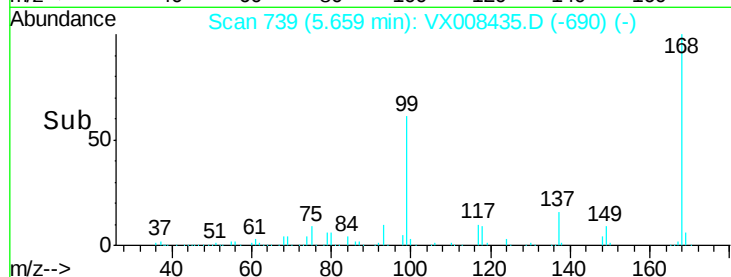
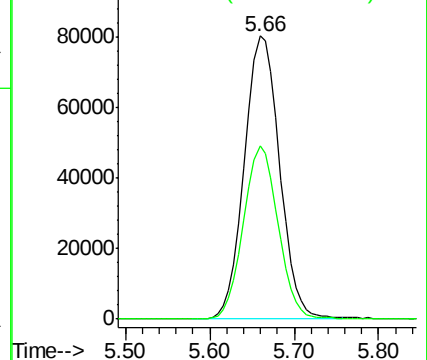
168 100

99 60.9 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008435.D

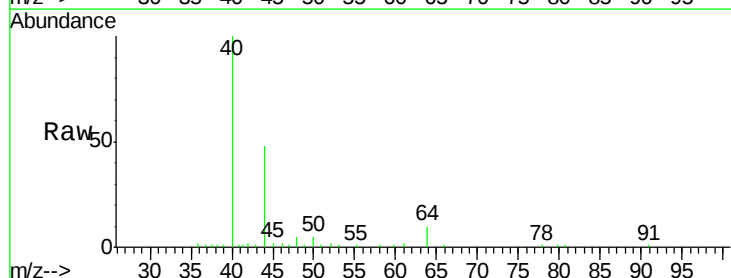
Acq: 26 Mar 2019 01:15

Tgt Ion: 50 Resp: 325

Ion Ratio Lower Upper

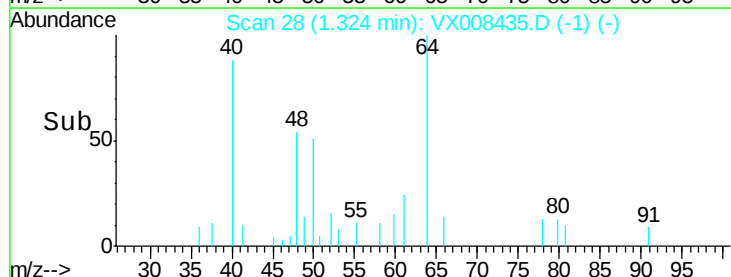
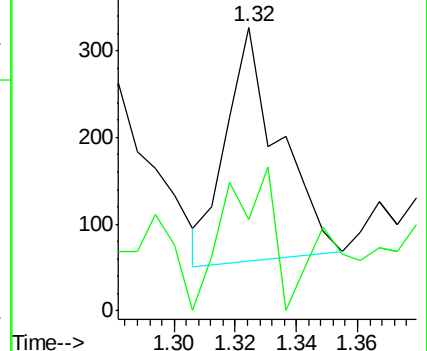
50 100

52 19.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.965 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX008435.D

Acq: 26 Mar 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

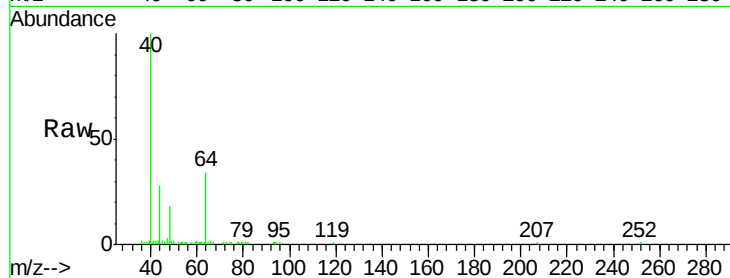
FB032019

Tot Ion: 94 Resp: 321

Ion Ratio Lower Upper

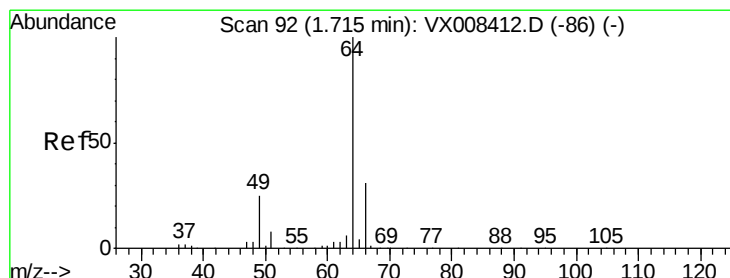
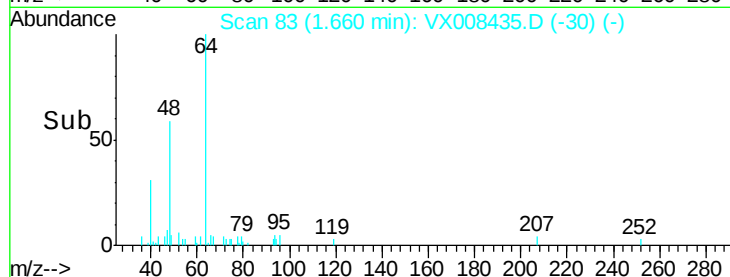
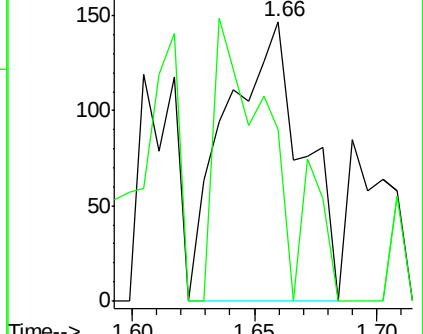
94 100

96 61.2 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 4.265 ug/l

RT: 1.55 min Scan# 65

Delta R.T. -0.16 min

Lab File: VX008435.D

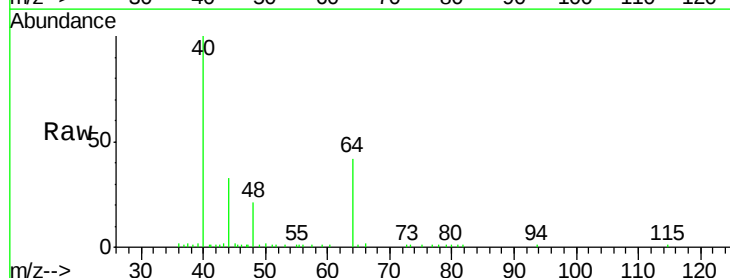
Acq: 26 Mar 2019 01:15

Tgt Ion: 64 Resp: 9501

Ion Ratio Lower Upper

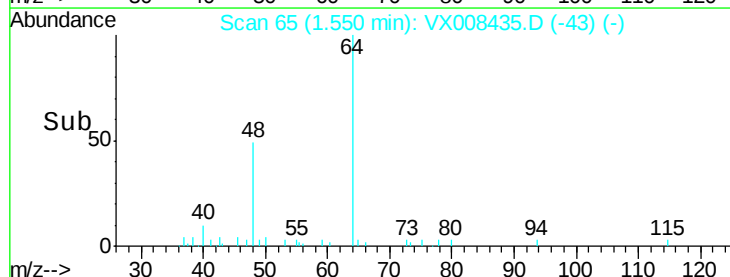
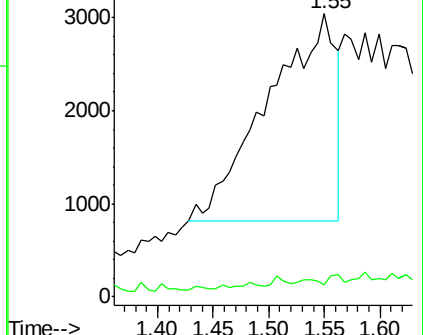
64 100

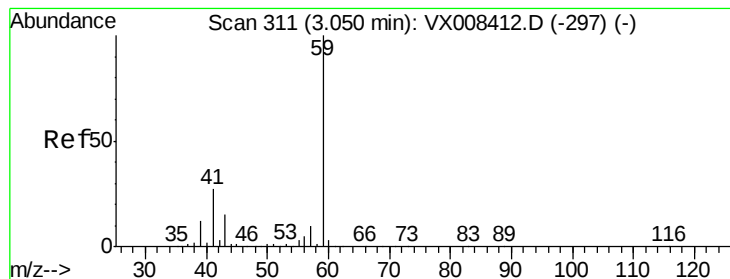
66 2.7 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



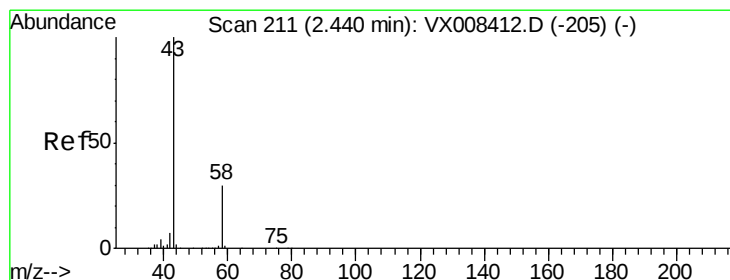
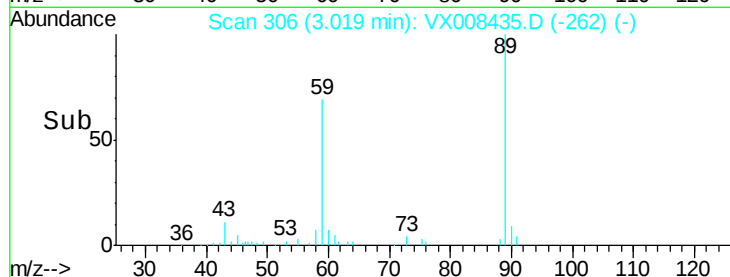
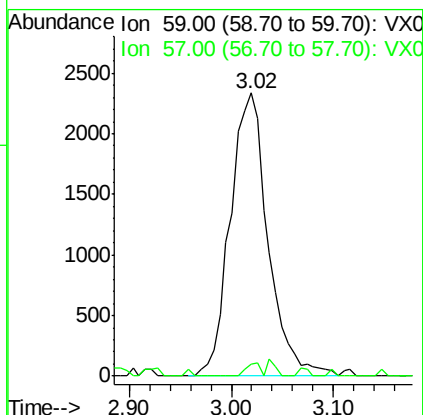
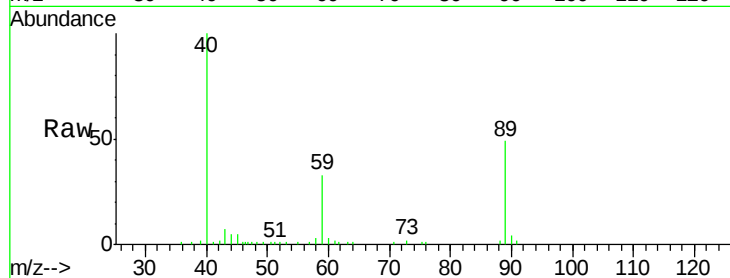


#11

Tert butyl alcohol
 Concen: 7.807 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX008435.D
 Acq: 26 Mar 2019 01:15

Instrument :
 MSVOA_X
 ClientSampled :
 FB032019

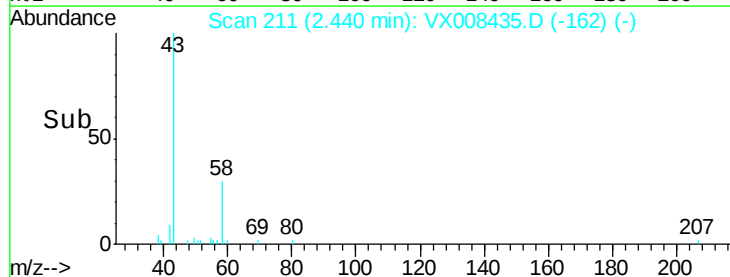
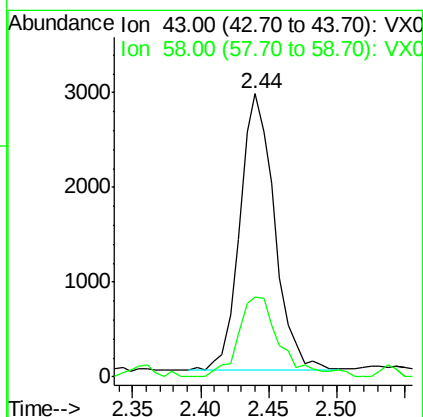
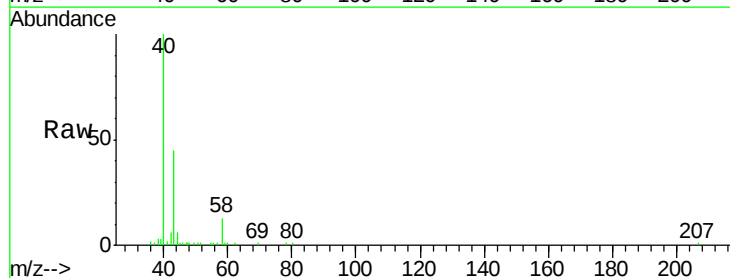
Tot Ion: 59 Resp: 5991
 Ion Ratio Lower Upper
 59 100
 57 1.6 8.2 12.4#

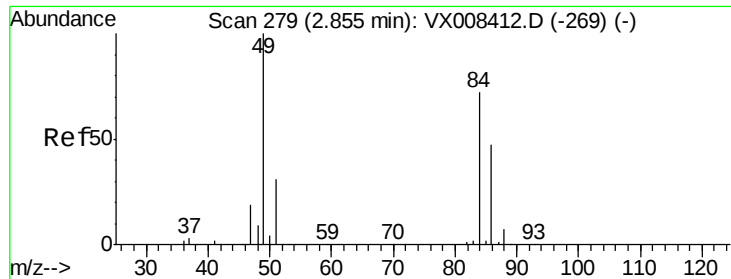


#16

Acetone
 Concen: 2.832 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. 0.00 min
 Lab File: VX008435.D
 Acq: 26 Mar 2019 01:15

Tgt Ion: 43 Resp: 5127
 Ion Ratio Lower Upper
 43 100
 58 28.9 24.2 36.2

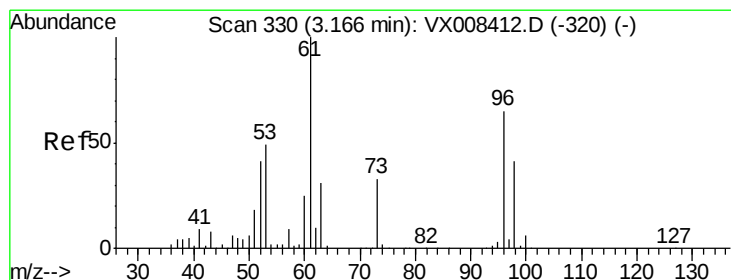
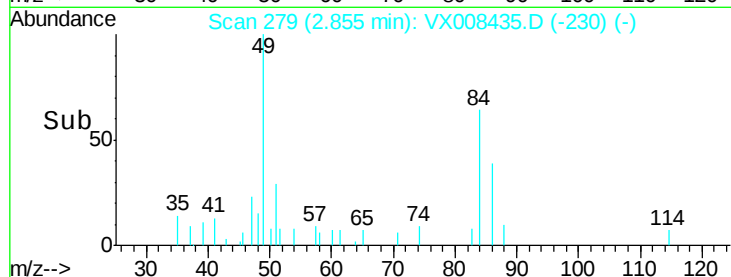
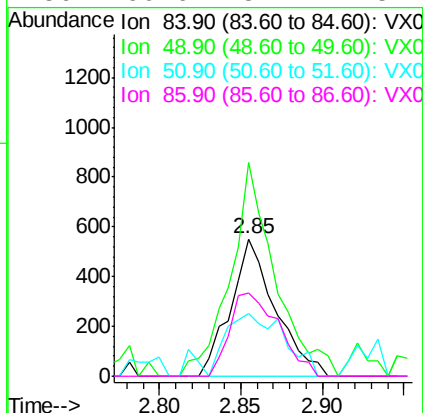
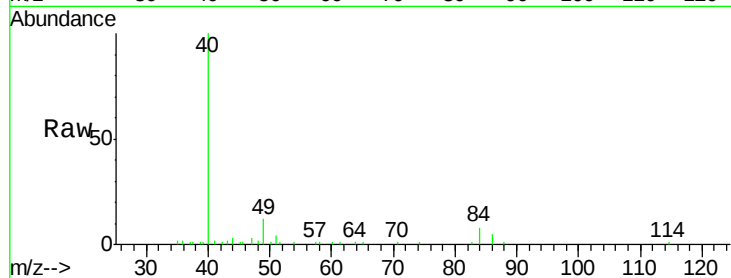




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX008435.D
Acq: 26 Mar 2019 01:15

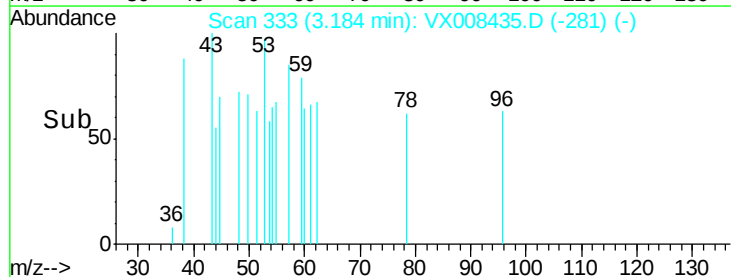
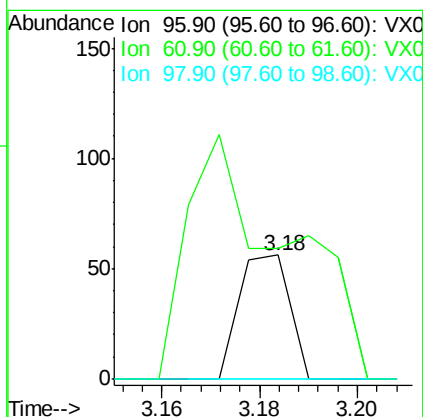
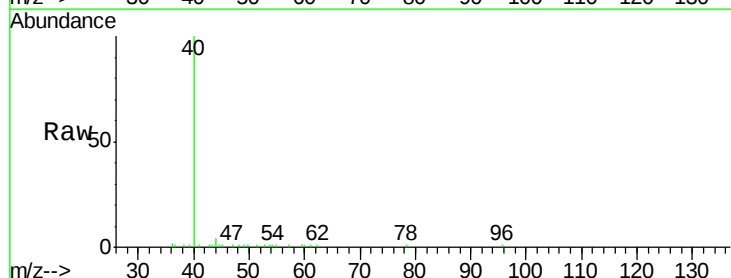
Instrument :
MSVOA_X
ClientSampleId :
FB032019

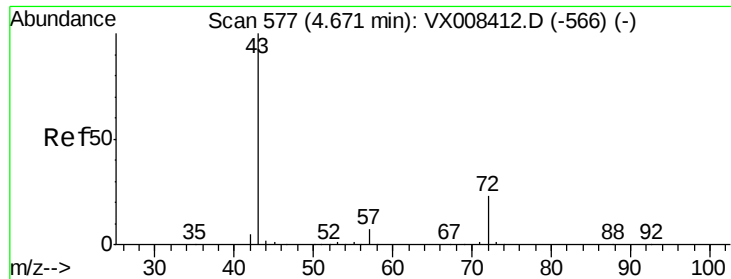
Tot Ion: 84 Resp: 1051
Ion Ratio Lower Upper
84 100
49 155.7 110.6 165.8
51 57.2 33.9 50.9#
86 60.6 52.2 78.2



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.18 min Scan# 333
Delta R.T. 0.02 min
Lab File: VX008435.D
Acq: 26 Mar 2019 01:15

Tgt Ion: 96 Resp: 40
Ion Ratio Lower Upper
96 100
61 7.1 122.6 184.0#
98 0.0 50.9 76.3#





#25

2-Butanone

Concen: 0.271 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX008435.D

Acq: 26 Mar 2019 01:15

Instrument :

MSVOA_X

ClientSampled :

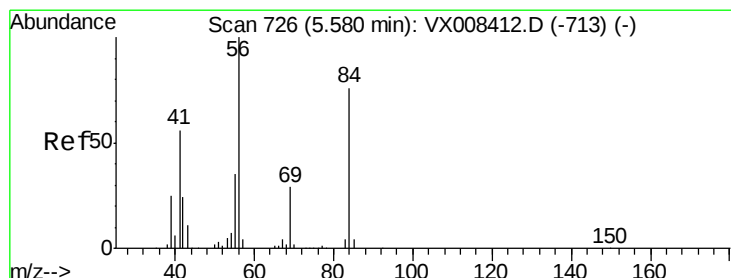
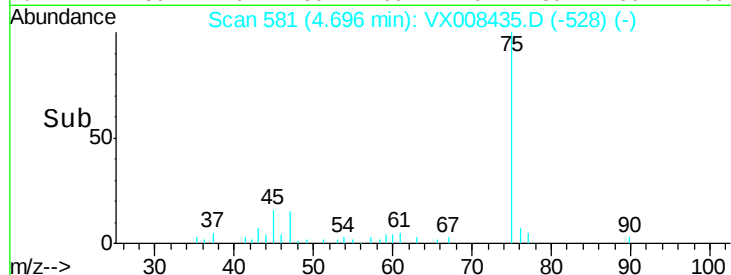
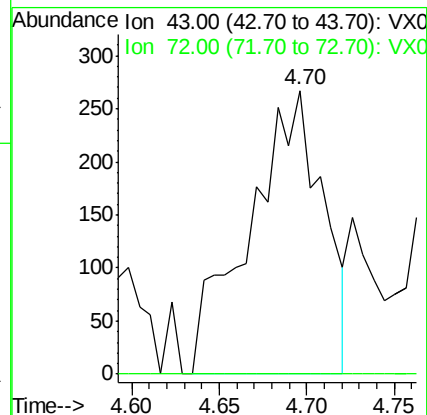
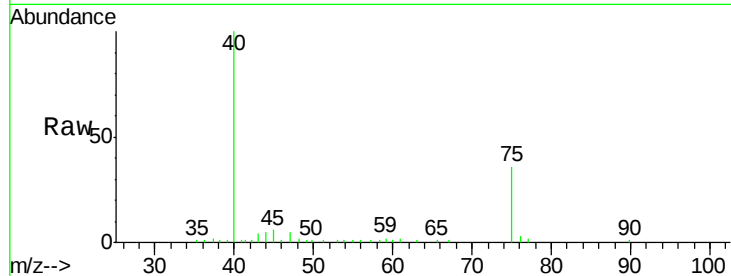
FB032019

Tot Ion: 43 Resp: 786

Ion Ratio Lower Upper

43 100

72 0.0 18.6 28.0#



#31

Cyclohexane

Concen: 1.026 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008435.D

Acq: 26 Mar 2019 01:15

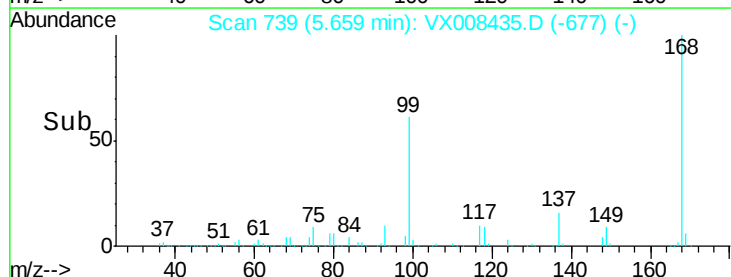
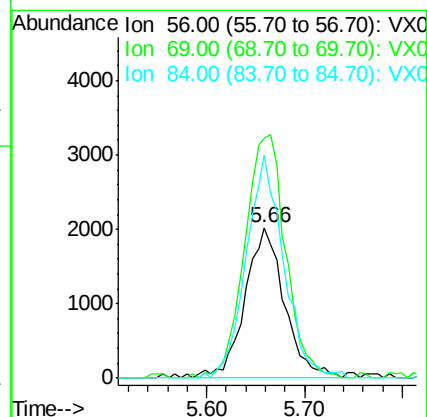
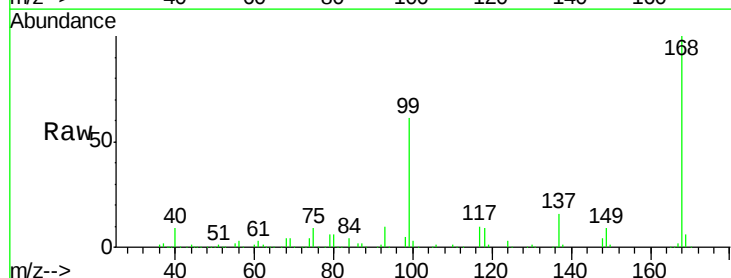
Tgt Ion: 56 Resp: 5696

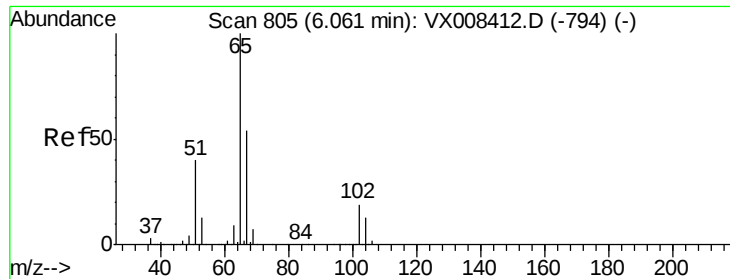
Ion Ratio Lower Upper

56 100

69 159.6 23.2 34.8#

84 148.9 60.7 91.1#

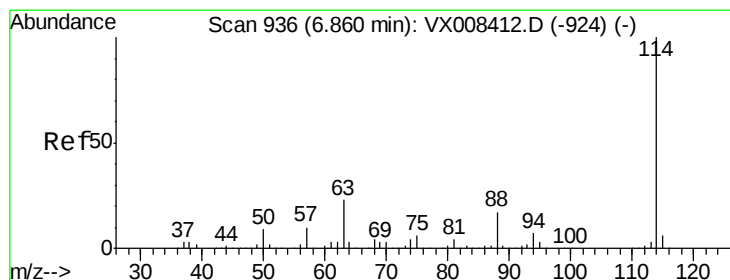
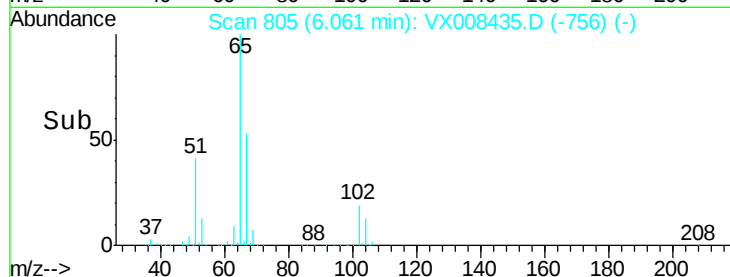
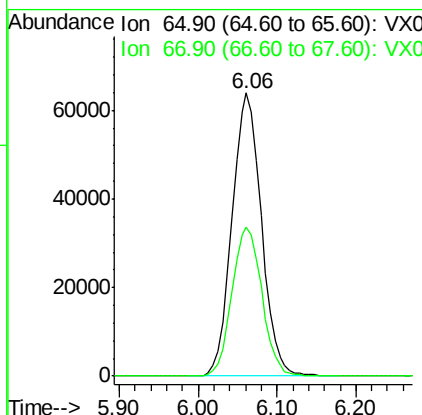
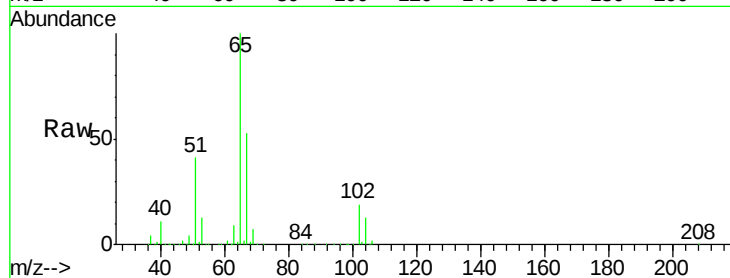




#33
 1,2-Dichloroethane-d4
 Concen: 47.900 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008435.D
 Acq: 26 Mar 2019 01:15

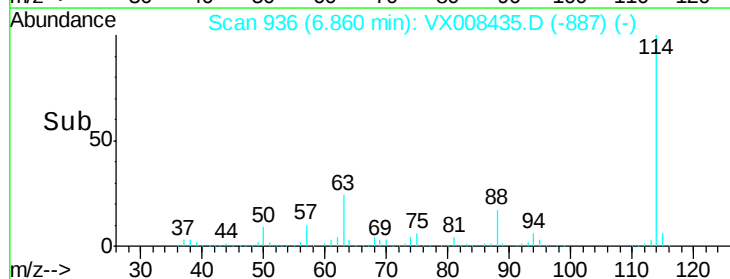
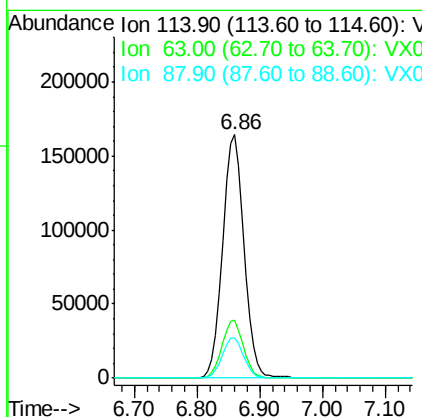
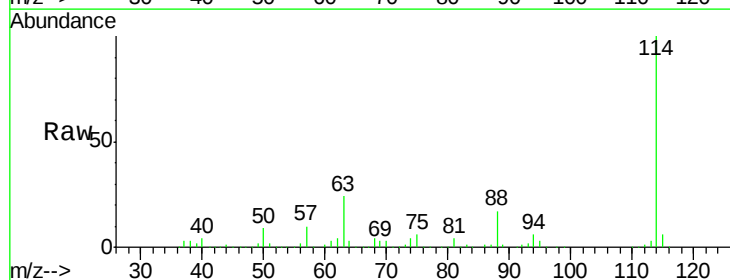
Instrument :
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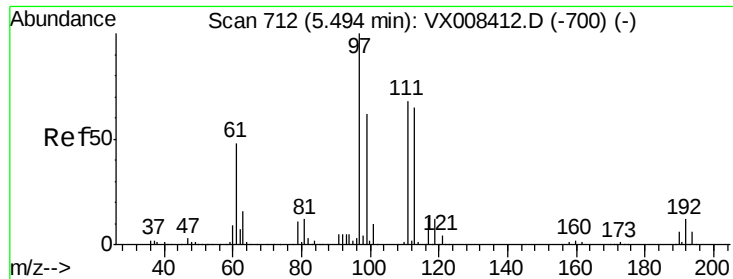
Tot Ion: 65 Resp: 165909
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008435.D
 Acq: 26 Mar 2019 01:15

Tgt Ion: 114 Resp: 389202
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.4
 88 16.7 0.0 33.2

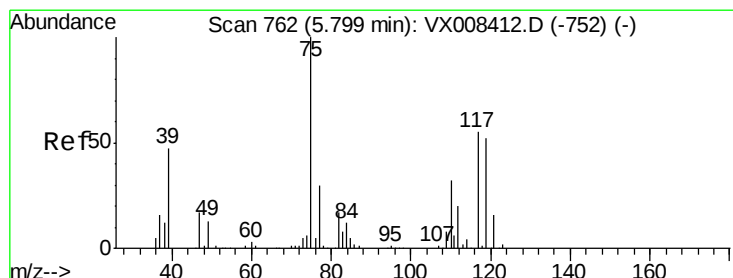
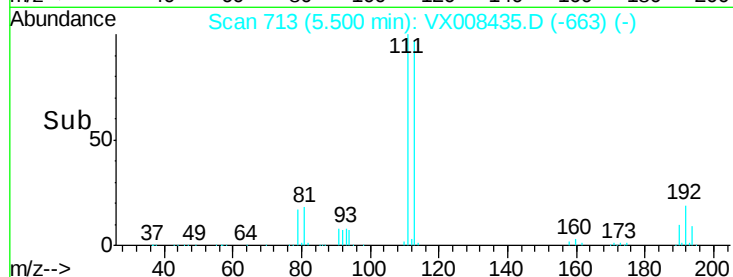
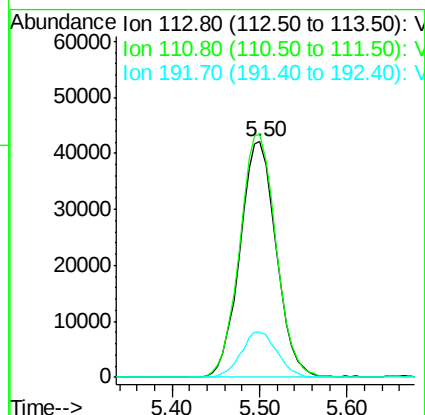
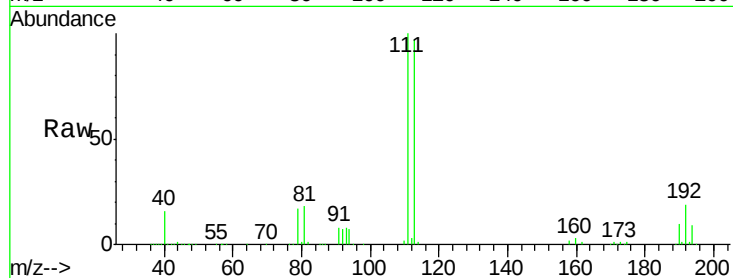




#35
Dibromofluoromethane
Concen: 47.864 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008435.D
Acq: 26 Mar 2019 01:15

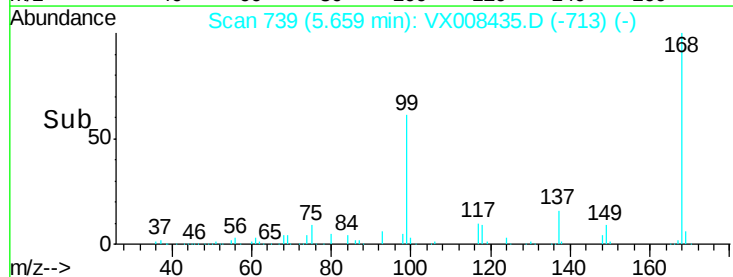
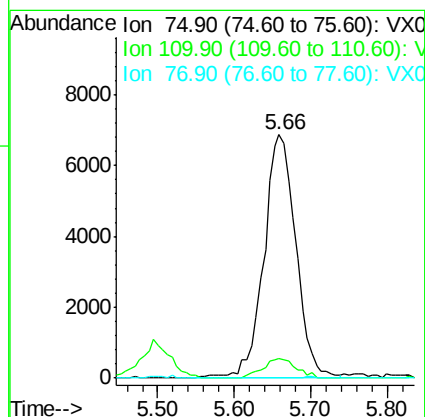
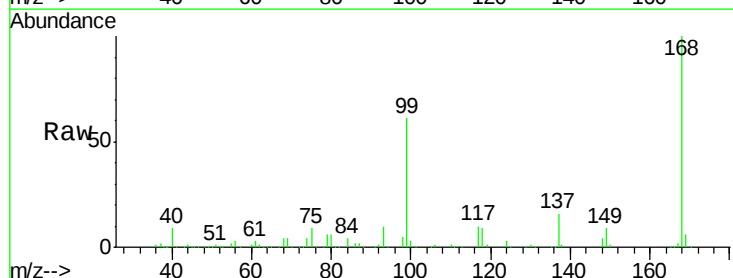
Instrument :
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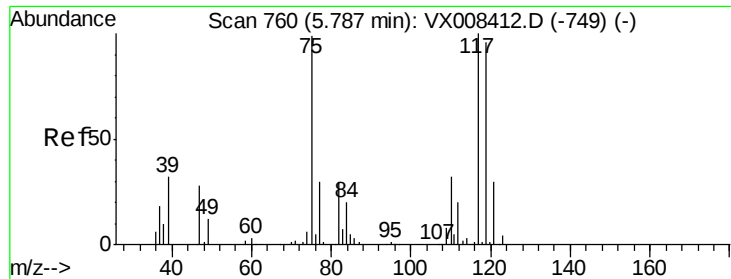
Tot Ion:113 Resp: 121469
Ion Ratio Lower Upper
113 100
111 103.6 83.0 124.4
192 19.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.826 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX008435.D
Acq: 26 Mar 2019 01:15

Tgt Ion: 75 Resp: 20027
Ion Ratio Lower Upper
75 100
110 8.5 16.6 49.7#
77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 6.683 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008435.D

Acq: 26 Mar 2019 01:15

Instrument :

MSVOA_X

ClientSampled :

FB032019

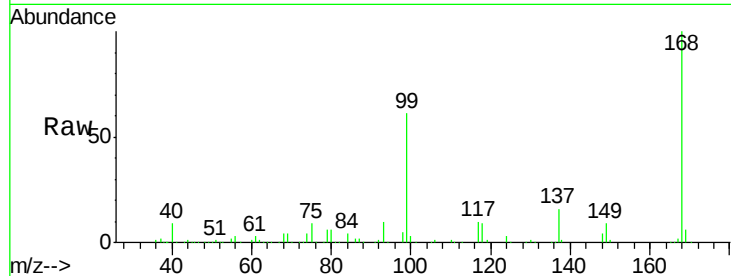
Tot Ion:117 Resp: 23143

Ion Ratio Lower Upper

117 100

119 4.9 76.7 115.1#

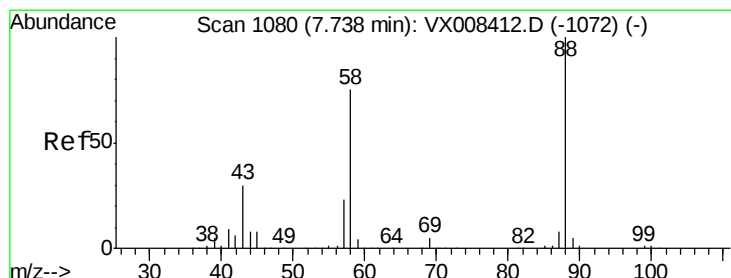
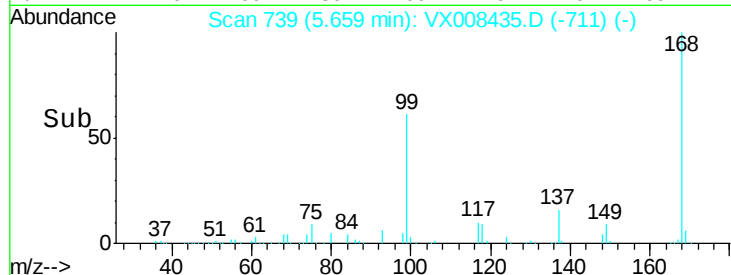
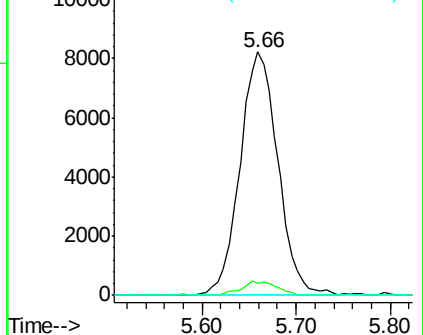
121 0.0 24.3 36.5#



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: 0.245 ug/l

RT: 7.79 min Scan# 1088

Delta R.T. 0.05 min

Lab File: VX008435.D

Acq: 26 Mar 2019 01:15

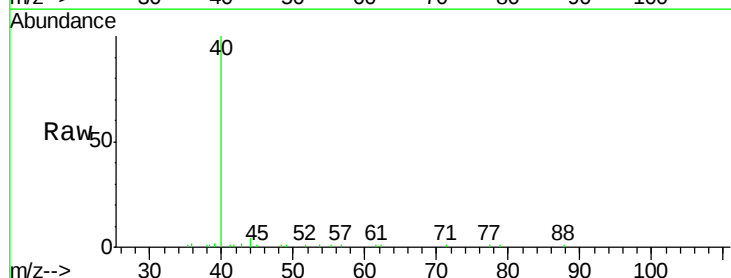
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 1004.8 28.6 43.0#

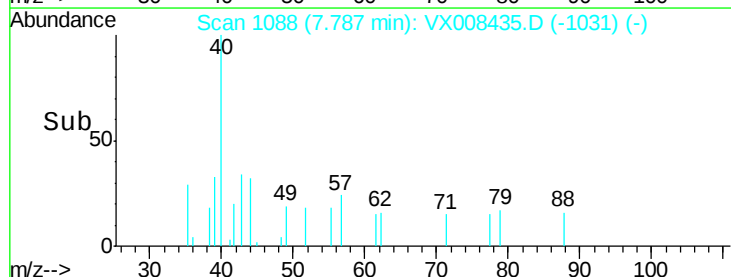
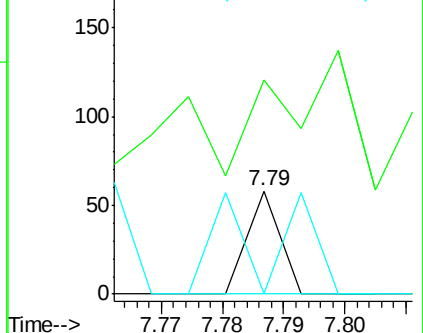
58 200.0 63.0 94.4#

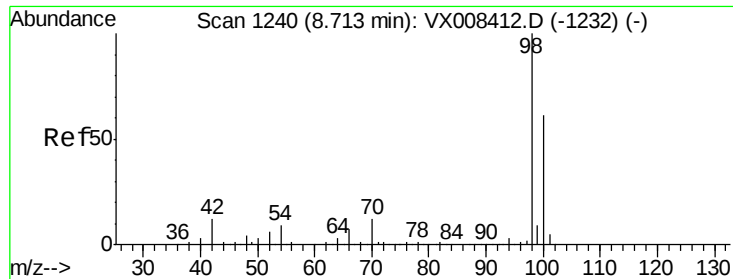


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

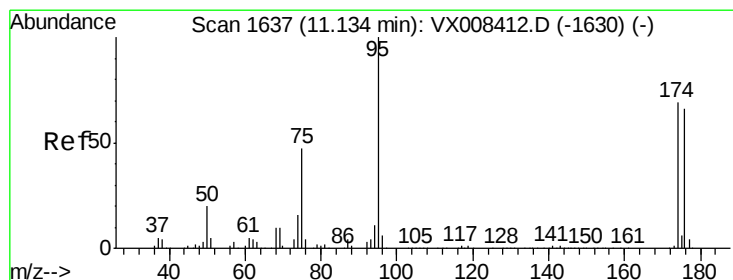
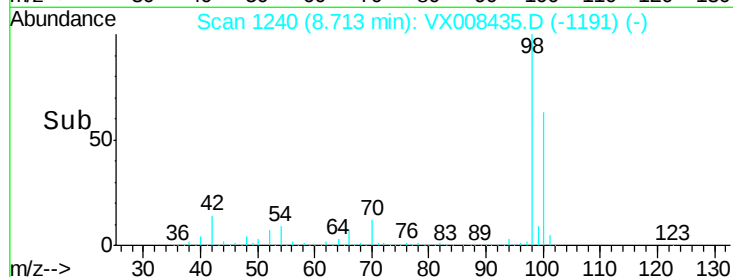
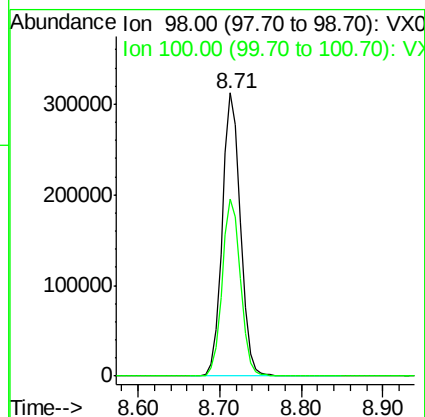
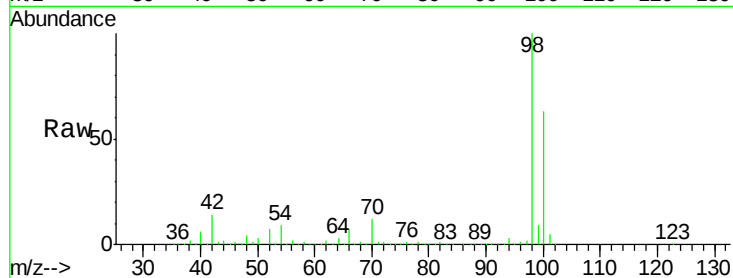




#50
Toluene-d8
Concen: 47.933 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008435.D
Acq: 26 Mar 2019 01:15

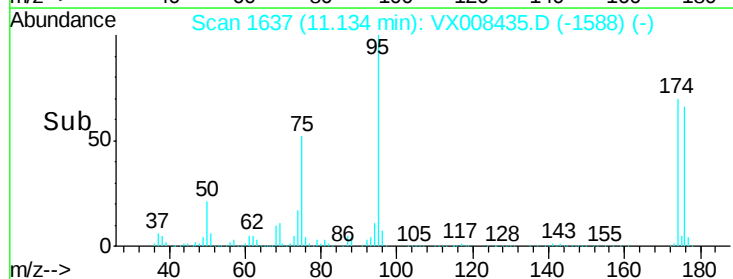
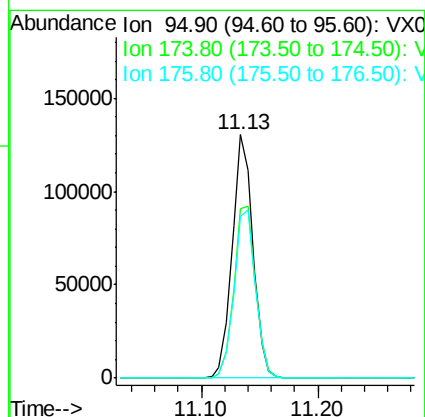
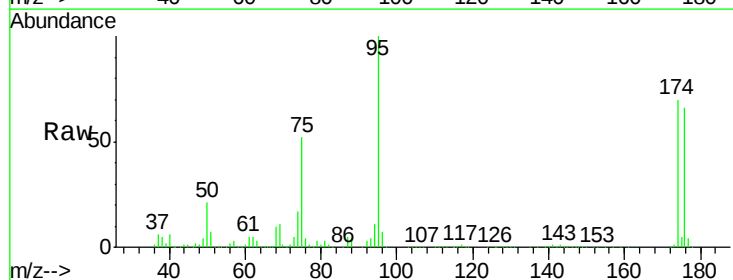
Instrument :
MSVOA_X
ClientSampleId :
FB032019

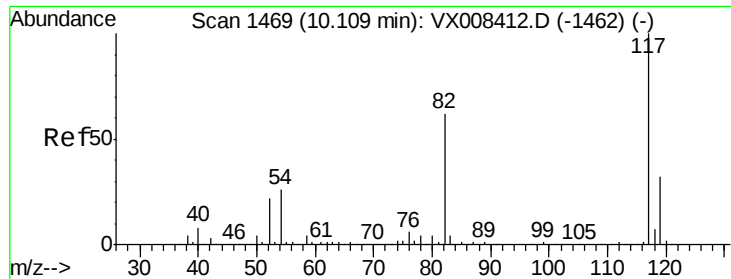
Tot Ion: 98 Resp: 486404
Ion Ratio Lower Upper
98 100
100 63.3 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 42.926 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008435.D
Acq: 26 Mar 2019 01:15

Tgt Ion: 95 Resp: 161415
Ion Ratio Lower Upper
95 100
174 74.2 0.0 147.2
176 71.9 0.0 142.4

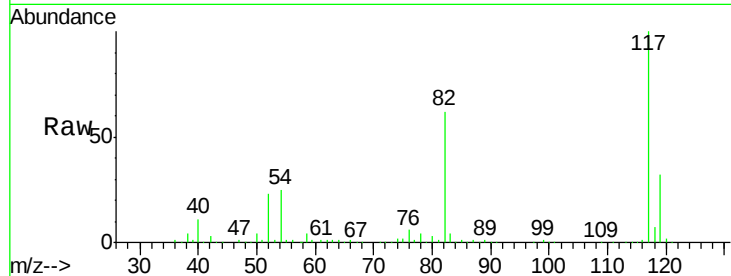




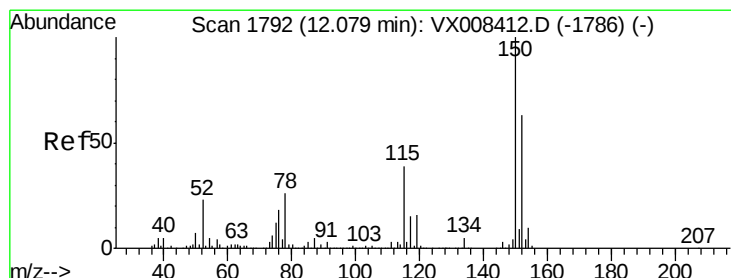
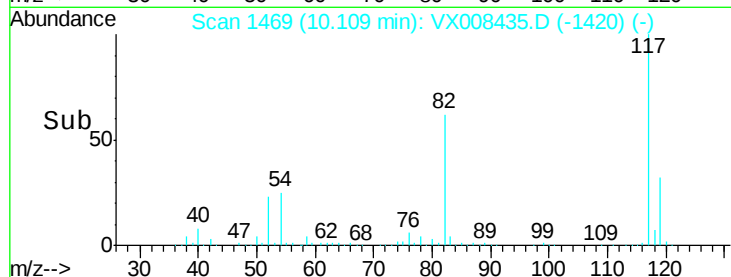
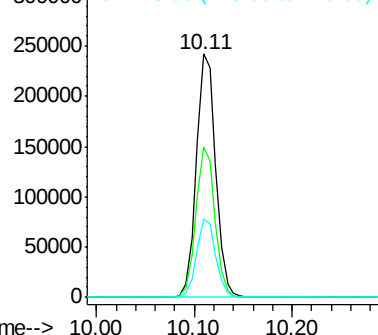
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008435.D
Acq: 26 Mar 2019 01:15

Instrument :
MSVOA_X
ClientSampleId :
FB032019

Tot Ion:117 Resp: 332921
Ion Ratio Lower Upper
117 100
82 61.7 49.4 74.2
119 32.3 25.4 38.0

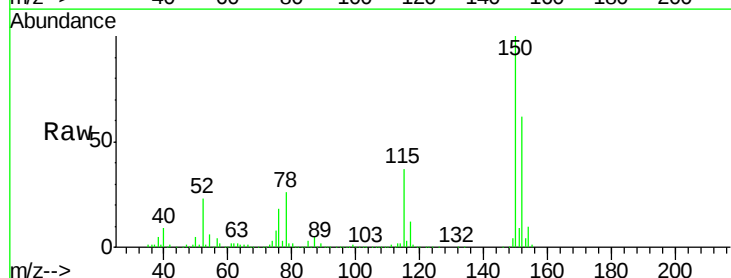


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

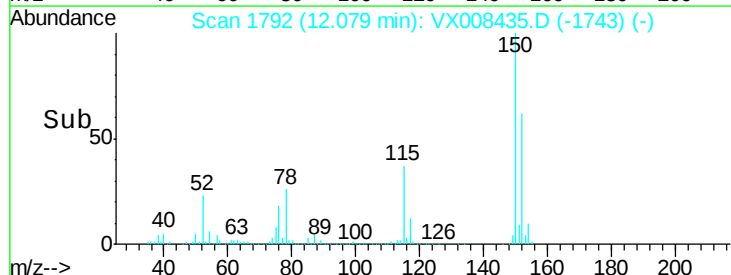
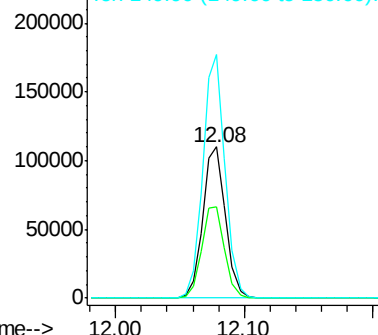


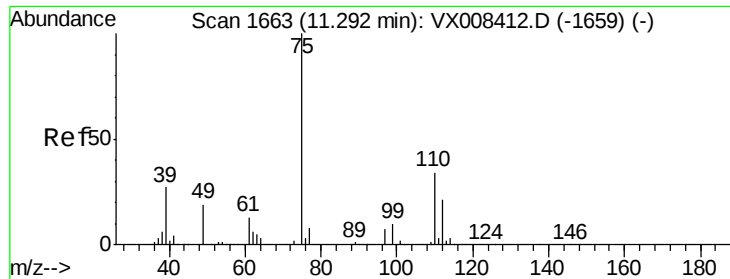
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008435.D
Acq: 26 Mar 2019 01:15

Tgt Ion:152 Resp: 135055
Ion Ratio Lower Upper
152 100
115 61.4 43.5 130.5
150 158.4 0.0 348.8



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





#76

1,2,3-Trichloropropane

Concen: 21.020 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008435.D

Acq: 26 Mar 2019 01:15

Instrument :

MSVOA_X

ClientSampleId :

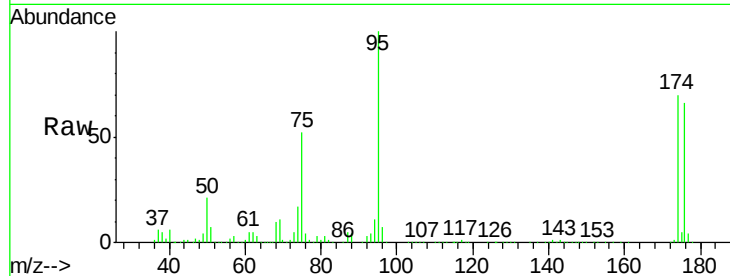
FB032019

Tot Ion: 75 Resp: 84396

Ion Ratio Lower Upper

75 100

77 1.4 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

60000

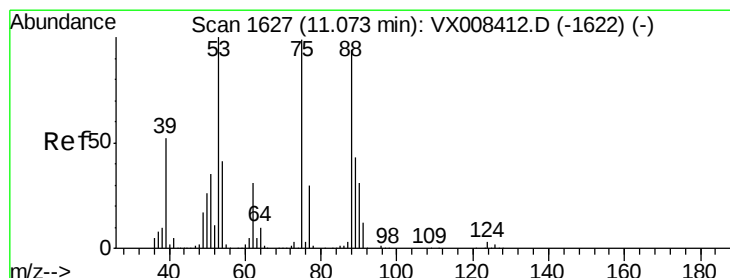
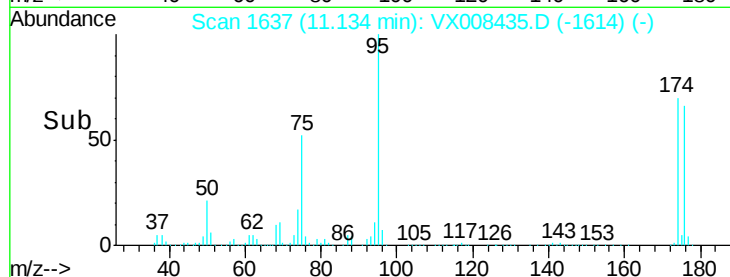
40000

20000

0

Time-->

11.10 11.20 11.30



#81

trans-1,4-Dichloro-2-butene

Concen: 67.323 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008435.D

Acq: 26 Mar 2019 01:15

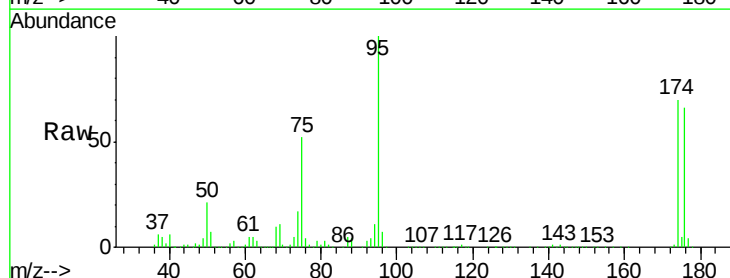
Tgt Ion: 75 Resp: 84396

Ion Ratio Lower Upper

75 100

53 0.1 82.1 123.1#

89 0.0 34.6 52.0#



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

11.13

80000

60000

40000

20000

0

Time-->

11.10 11.20 11.30

