

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016986.D
 Acq On : 26 Jun 2020 16:15
 Operator : JC/SP
 Sample : L3117-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 04:25:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	221256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	401381	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	415176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	211085	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	182094	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	
35) Dibromofluoromethane	5.47	113	136153	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
50) Toluene-d8	8.70	98	503811	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.12	95	211315	56.24	ug/l	0.00
Spiked Amount			Recovery	=	112.48%	

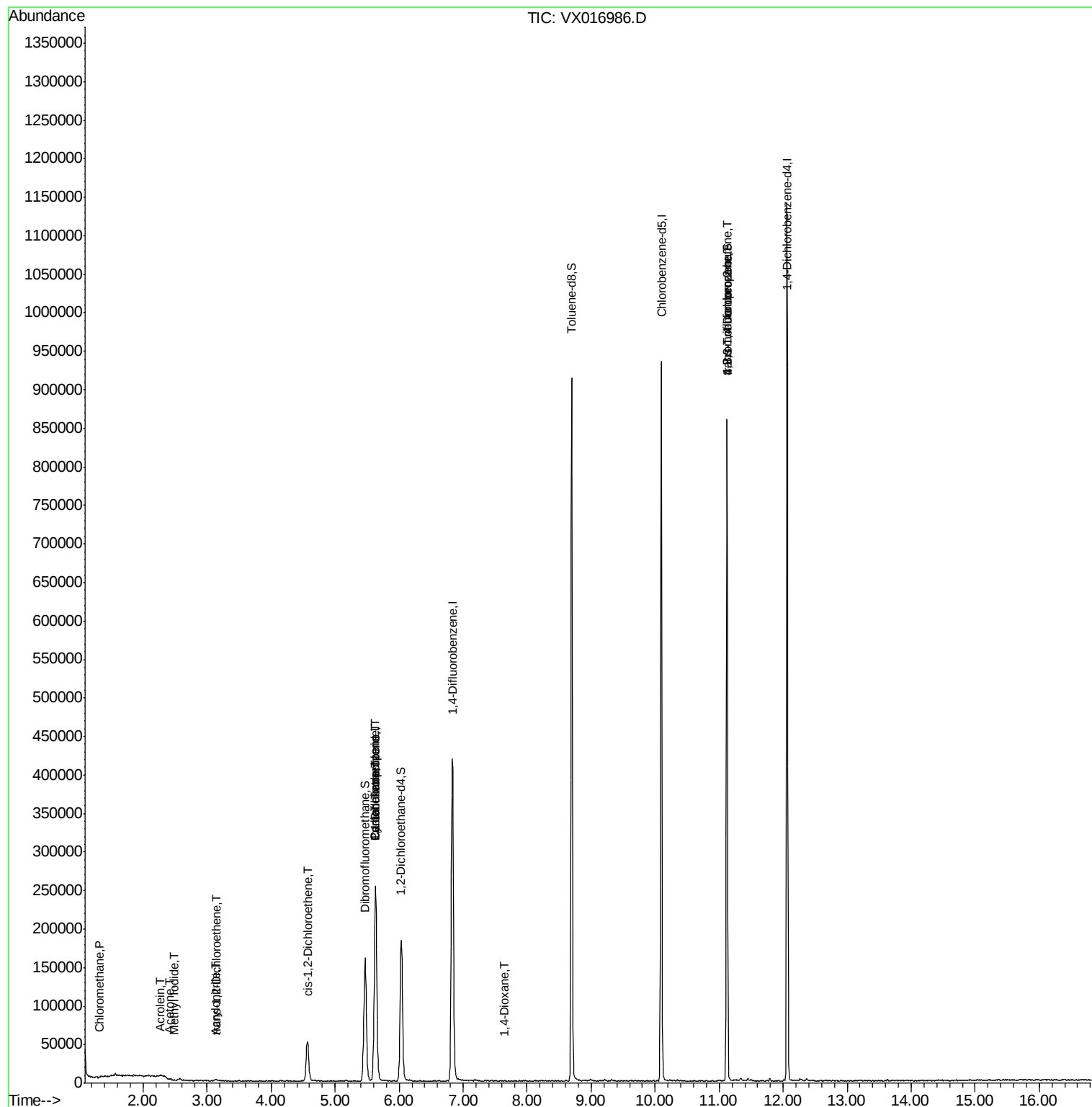
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	562	0.207	ug/l	92
5) Bromomethane	1.64	94	240	Below Cal	#	53
10) Methyl Iodide	2.49	142	151	2.830	ug/l #	71
13) Acrolein	2.26	56	609	1.303	ug/l #	66
15) Acrylonitrile	3.14	53	319	0.218	ug/l #	51
16) Acetone	2.42	43	1822	1.395	ug/l	100
21) trans-1,2-Dichloroethene	3.15	96	677	0.244	ug/l #	64
27) cis-1,2-Dichloroethene	4.57	96	31789	10.382	ug/l	91
31) Cyclohexane	5.63	56	5783	1.379	ug/l #	39
36) 1,1-Dichloropropene	5.63	75	20459	5.148	ug/l #	42
38) Carbon Tetrachloride	5.63	117	25640	6.096	ug/l #	17
49) 1,4-Dioxane	7.64	88	22	0.315	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	113942	25.721	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	113942	65.303	ug/l #	9

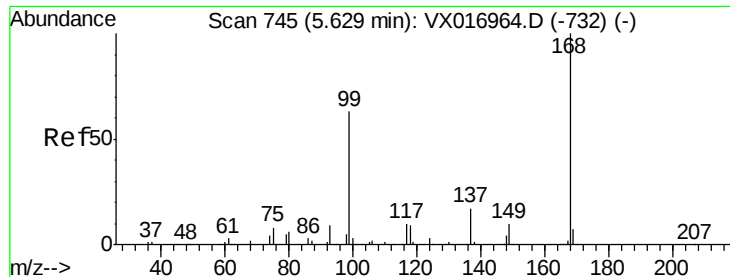
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062620\
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QLast Update : Fri Jun 26 08:34:16 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016986.D

Acq: 26 Jun 2020 16:15

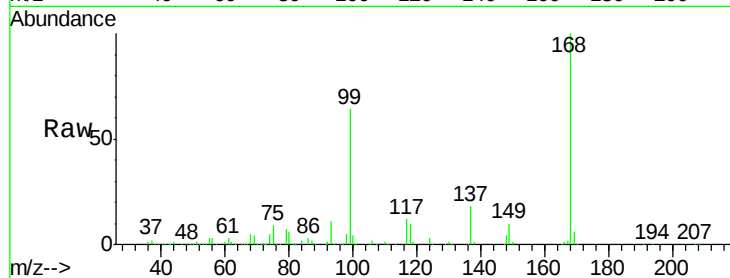
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 221256

Ion Ratio Lower Upper

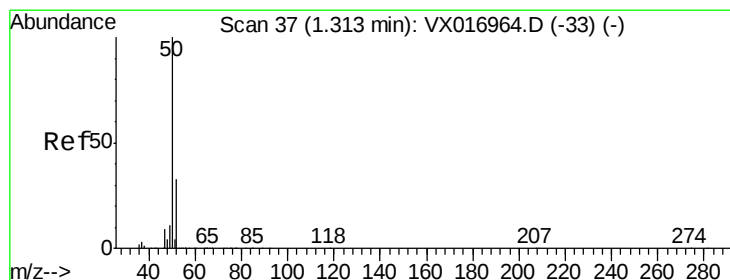
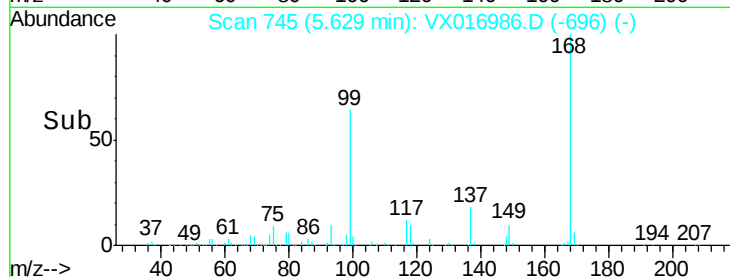
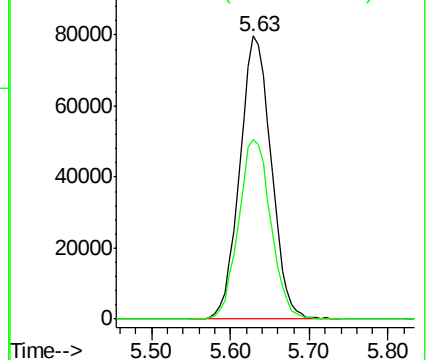
168 100

99 63.6 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.207 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016986.D

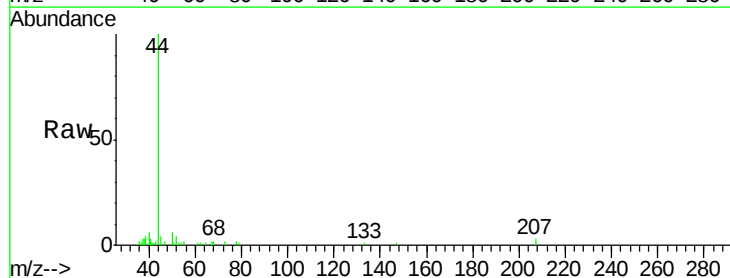
Acq: 26 Jun 2020 16:15

Tgt Ion: 50 Resp: 562

Ion Ratio Lower Upper

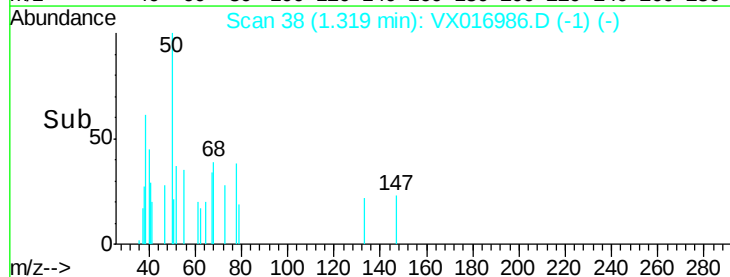
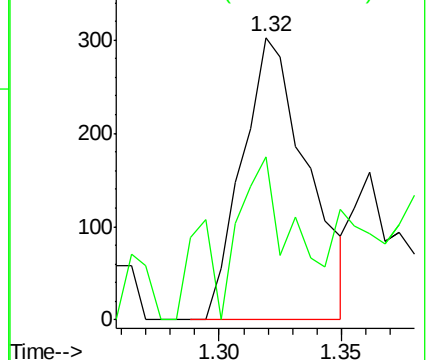
50 100

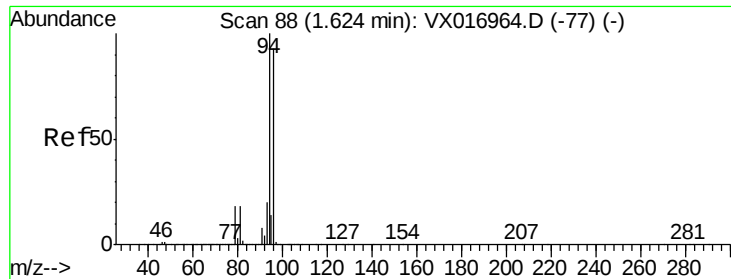
52 28.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

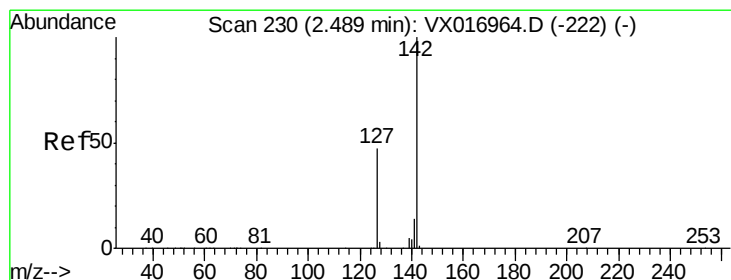
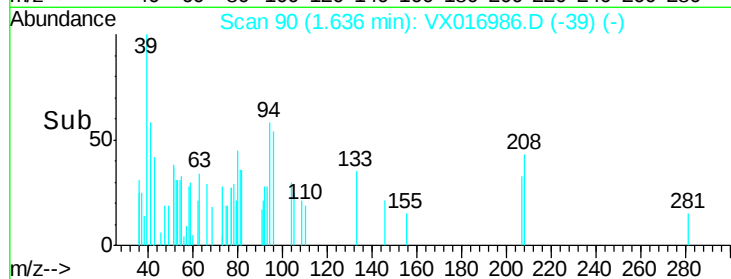
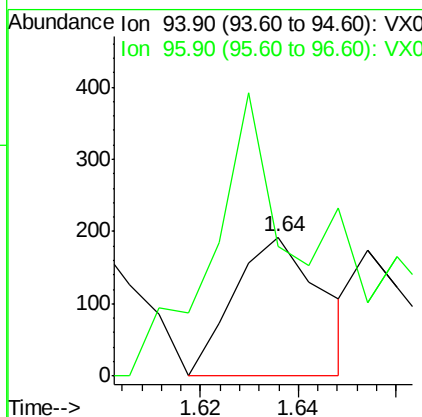
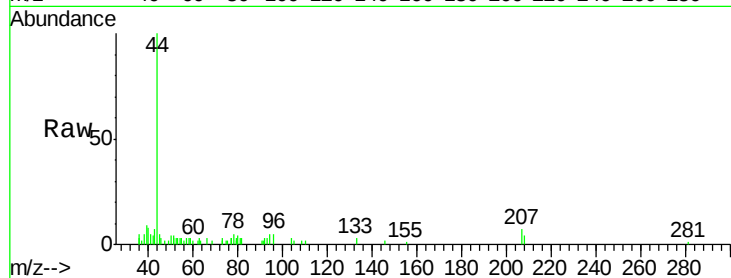




#5
Bromomethane
Concen: Below Cal
RT: 1.64 min Scan# 90
Delta R.T. 0.01 min
Lab File: VX016986.D
Acq: 26 Jun 2020 16:15

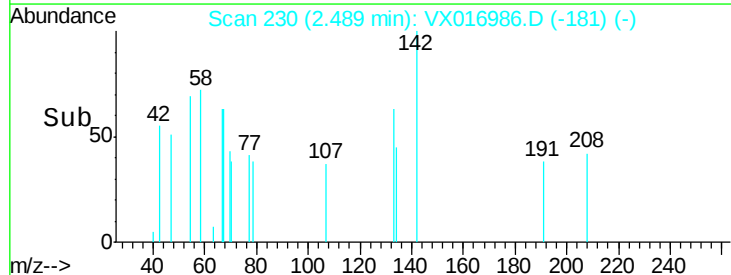
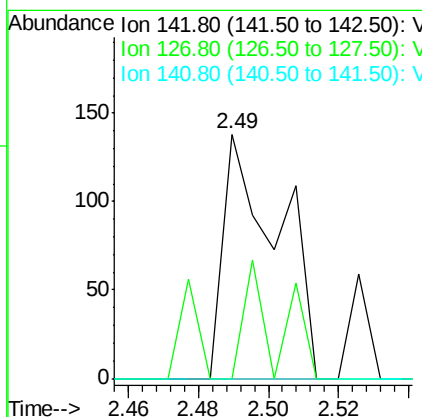
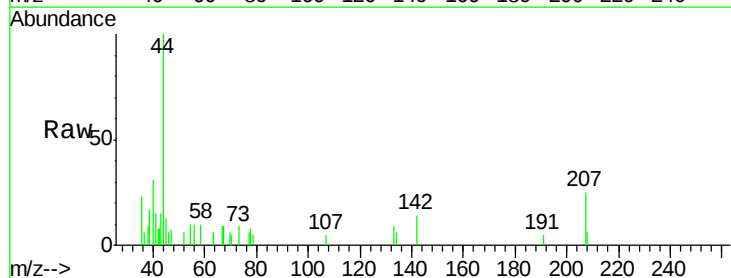
Instrument :
MSVOA_X
ClientSampled :

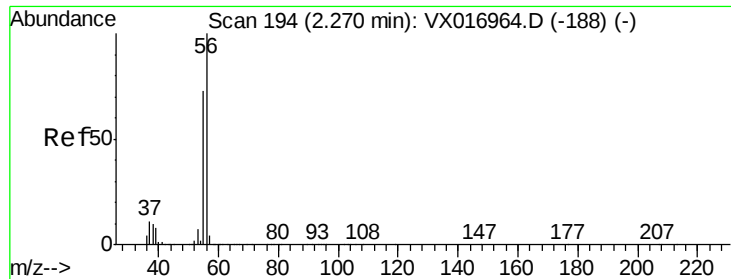
Tot Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 47.9 74.2 111.2#



#10
Methyl Iodide
Concen: 2.830 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX016986.D
Acq: 26 Jun 2020 16:15

Tgt Ion:142 Resp: 151
Ion Ratio Lower Upper
142 100
127 29.1 37.4 56.0#
141 0.0 11.7 17.5#

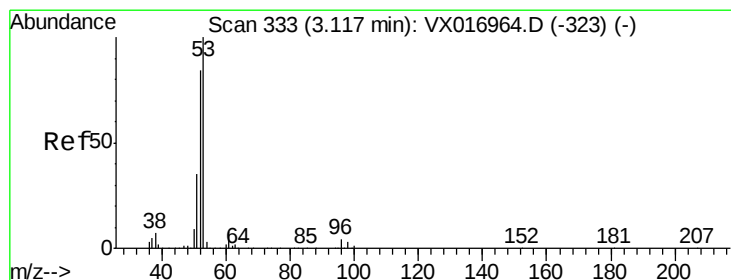
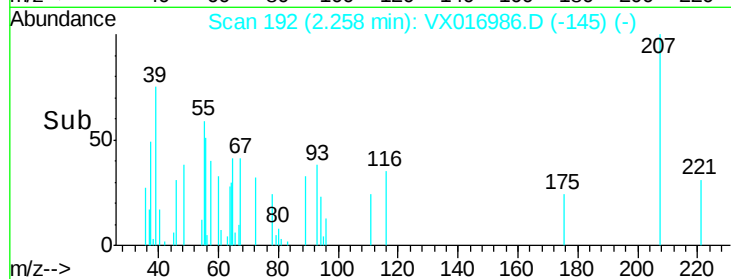
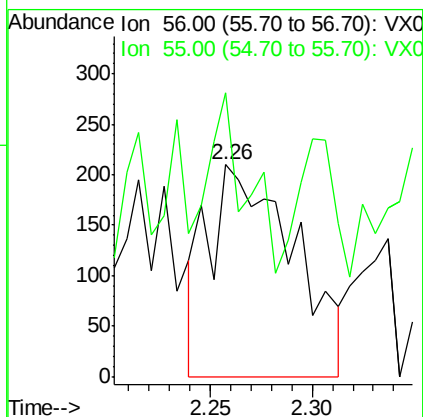
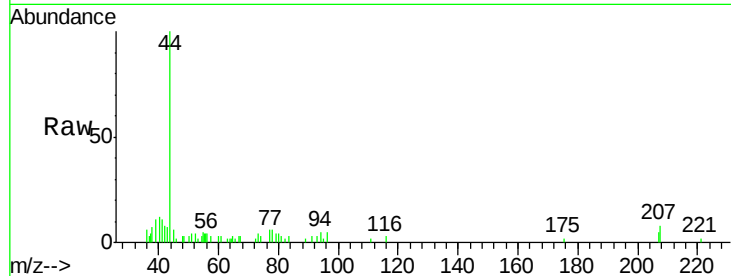




#13
Acrolein
Concen: 1.303 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.01 min
Lab File: VX016986.D
Acq: 26 Jun 2020 16:15

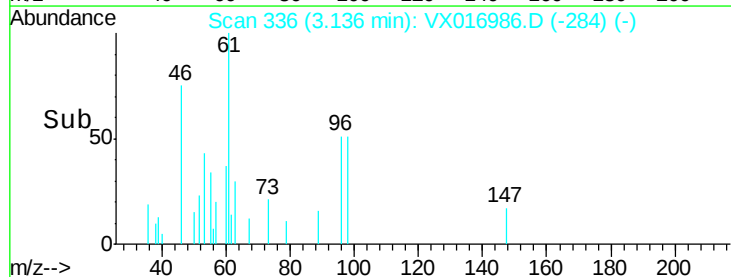
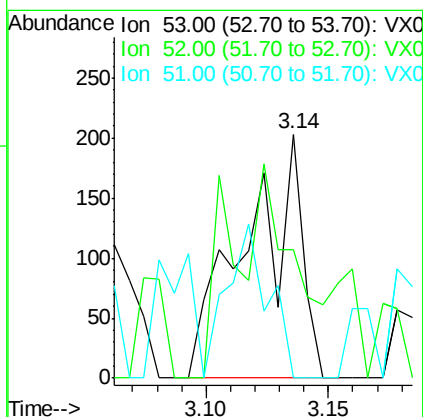
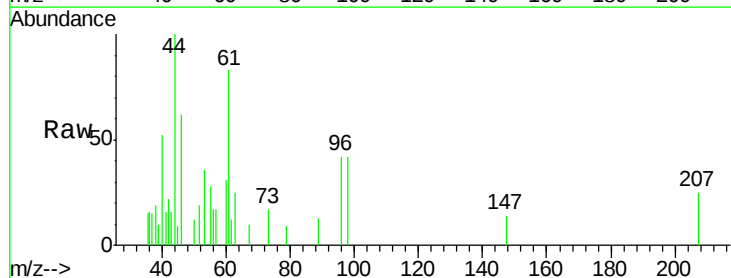
Instrument :
MSVOA_X
ClientSampled :

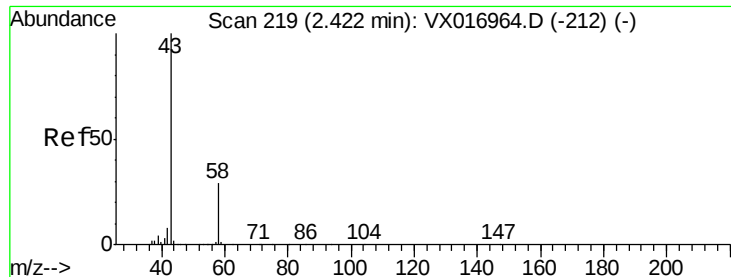
Tot Ion: 56 Resp: 609
Ion Ratio Lower Upper
56 100
55 43.2 57.5 86.3#



#15
Acrylonitrile
Concen: 0.218 ug/l
RT: 3.14 min Scan# 336
Delta R.T. 0.02 min
Lab File: VX016986.D
Acq: 26 Jun 2020 16:15

Tgt Ion: 53 Resp: 319
Ion Ratio Lower Upper
53 100
52 27.0 66.3 99.5#
51 47.0 29.0 43.6#





#16

Acetone

Concen: 1.395 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016986.D

Acq: 26 Jun 2020 16:15

Instrument :

MSVOA_X

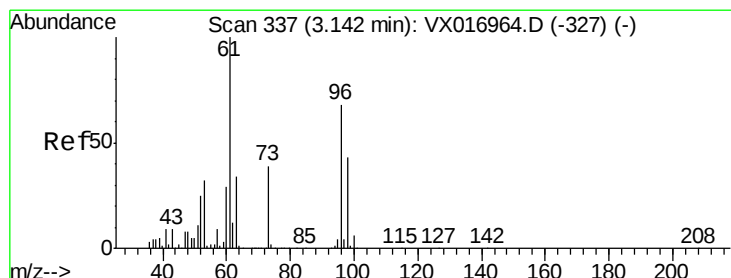
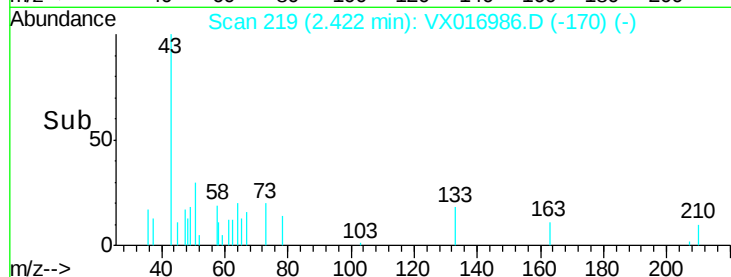
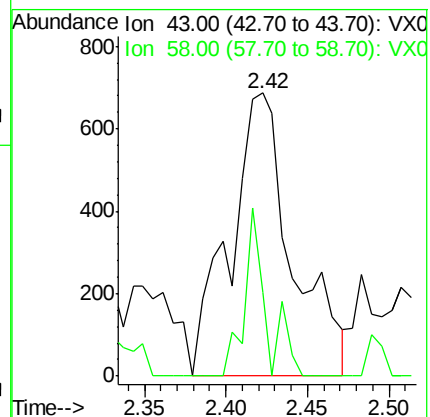
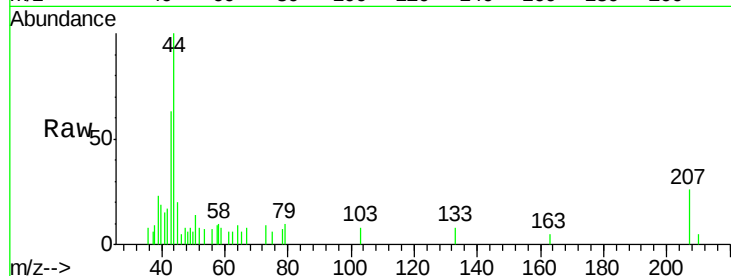
ClientSampleId :

Tot Ion: 43 Resp: 1822

Ion Ratio Lower Upper

43 100

58 29.5 23.5 35.3



#21

trans-1,2-Dichloroethene

Concen: 0.244 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016986.D

Acq: 26 Jun 2020 16:15

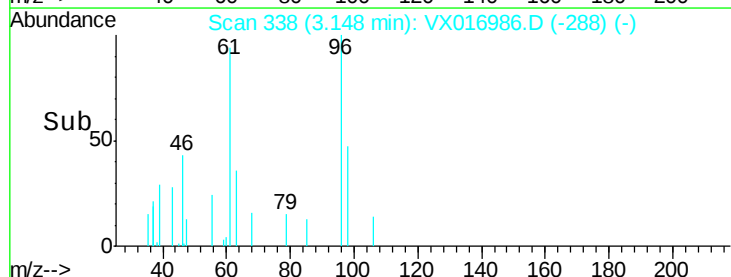
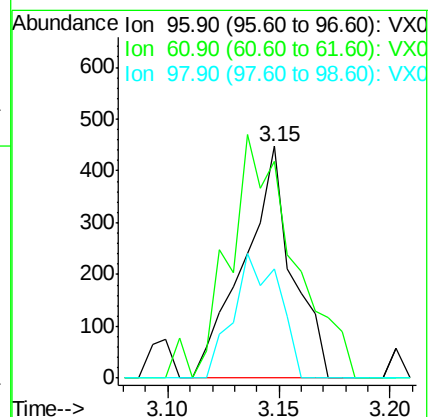
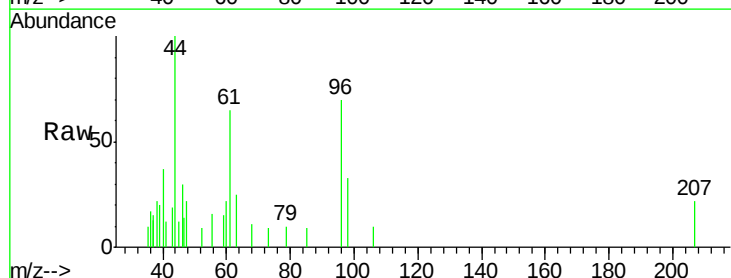
Tgt Ion: 96 Resp: 677

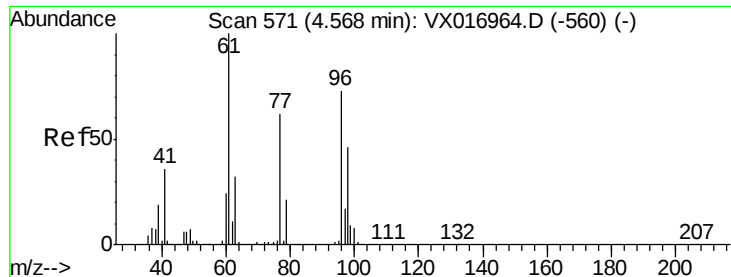
Ion Ratio Lower Upper

96 100

61 93.5 116.7 175.1#

98 47.1 50.7 76.1#



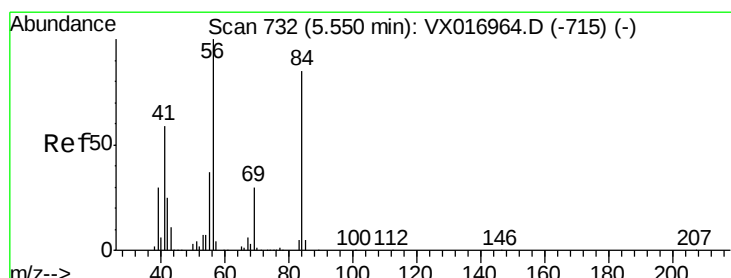
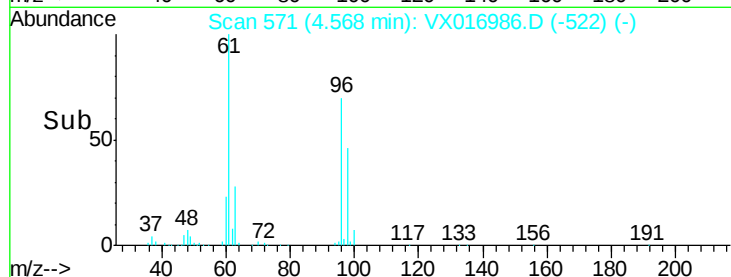
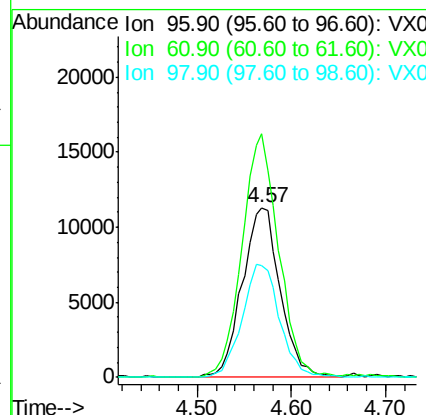
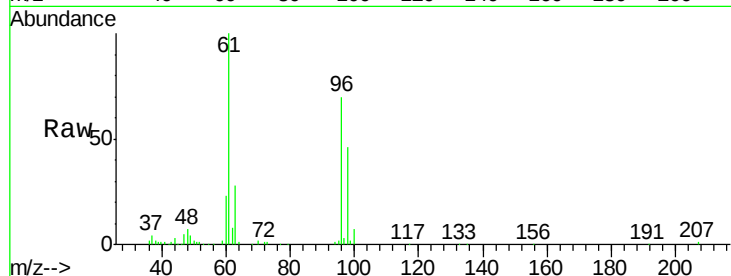


#27

cis-1,2-Dichloroethene
Concen: 10.382 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016986.D
Acq: 26 Jun 2020 16:15

Instrument :
MSVOA_X
ClientSampleId :

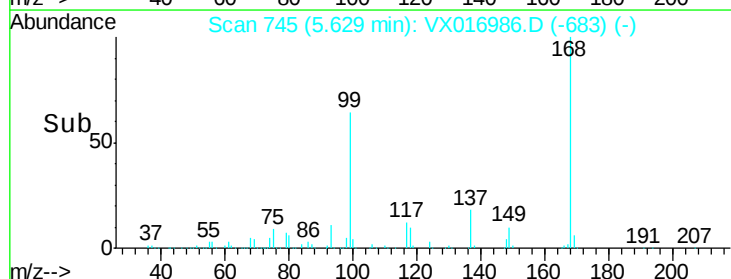
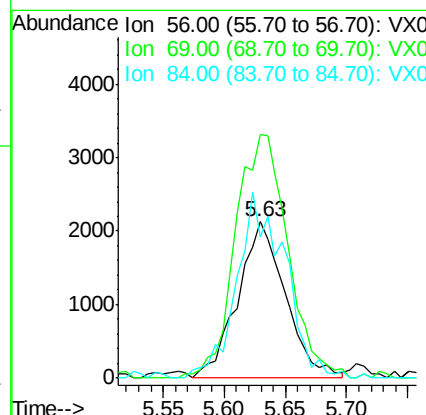
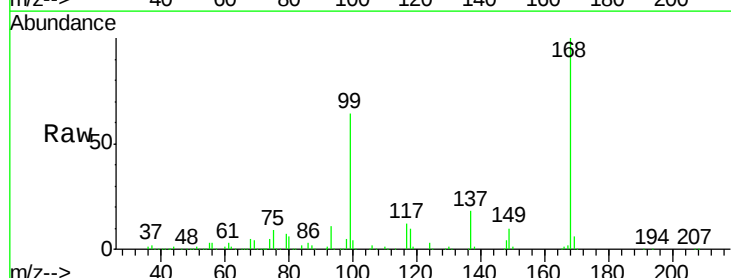
Tot Ion	96	Resp	31789
Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	307.2
98	66.1	0.0	128.4

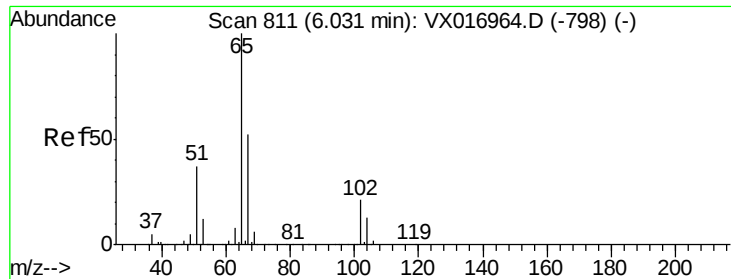


#31

Cyclohexane
Concen: 1.379 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016986.D
Acq: 26 Jun 2020 16:15

Tgt Ion	56	Resp	5783
Ion	Ratio	Lower	Upper
56	100		
69	153.3	23.6	35.4#
84	86.6	67.8	101.8





#33

1,2-Dichloroethane-d4

Concen: 54.499 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016986.D

Acq: 26 Jun 2020 16:15

Instrument :

MSVOA_X

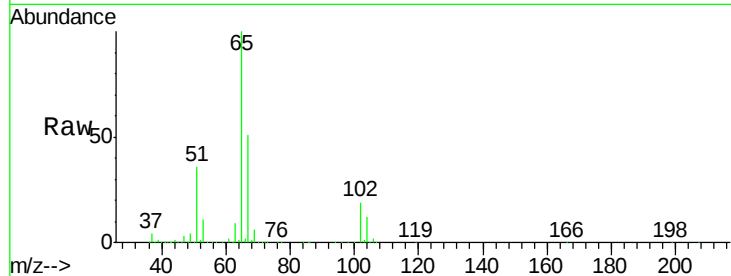
ClientSampleId :

Tot Ion: 65 Resp: 182094

Ion Ratio Lower Upper

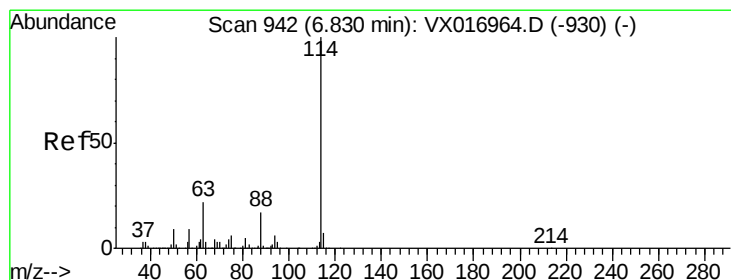
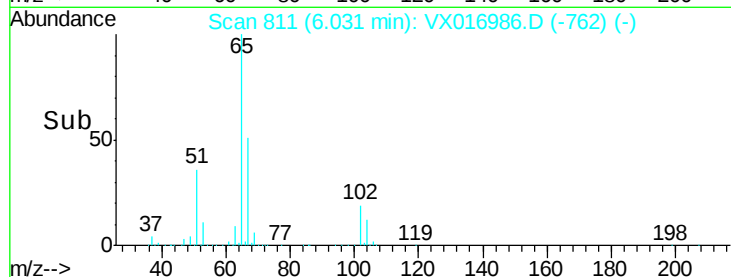
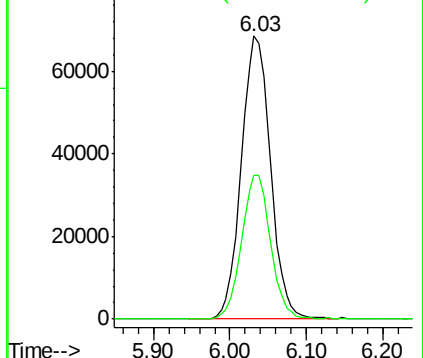
65 100

67 50.2 0.0 102.8



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016986.D

Acq: 26 Jun 2020 16:15

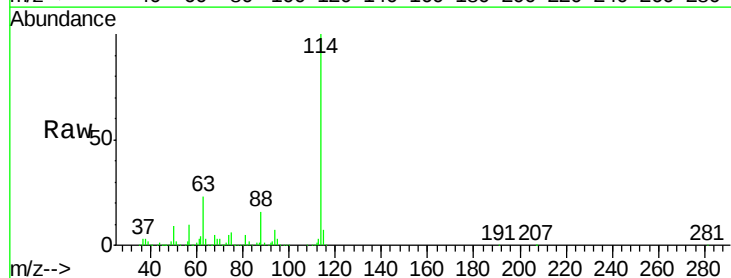
Tgt Ion: 114 Resp: 401381

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.4

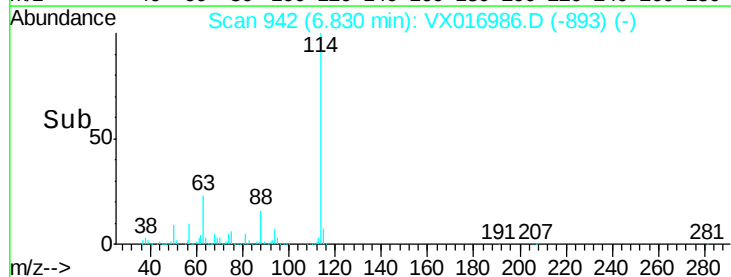
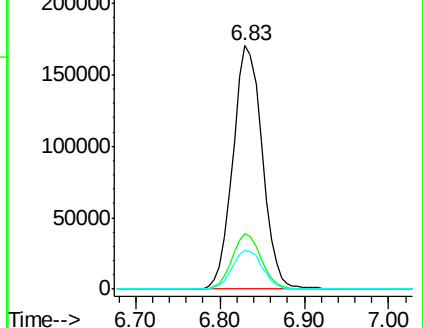
88 16.1 0.0 33.2

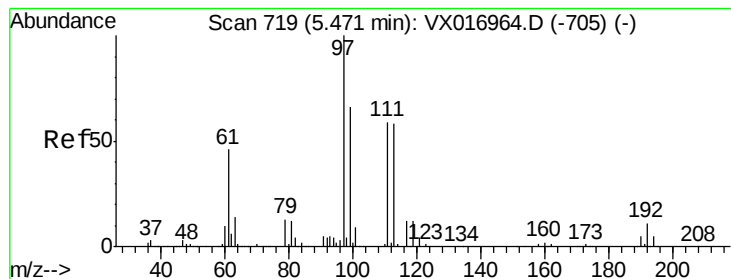


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.358 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016986.D

Acq: 26 Jun 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

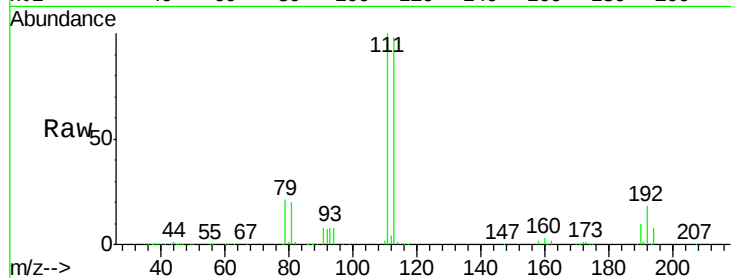
Tot Ion:113 Resp: 136153

Ion Ratio Lower Upper

113 100

111 101.3 84.3 126.5

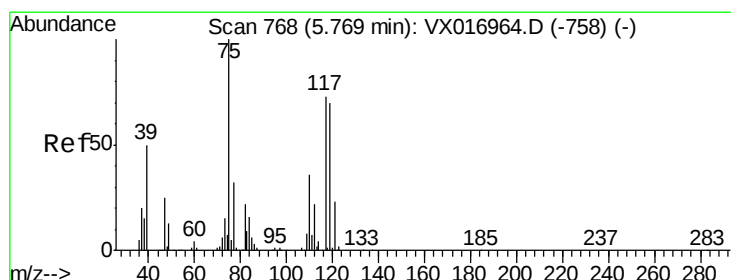
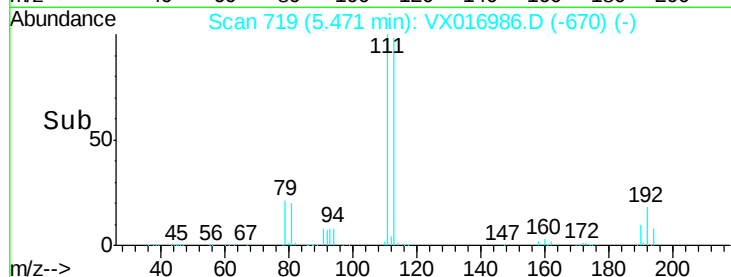
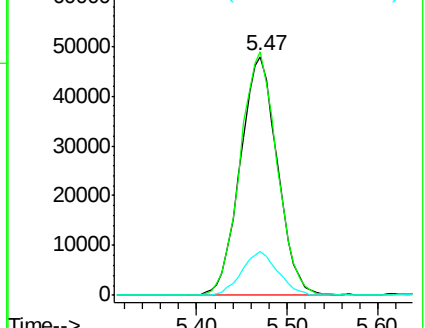
192 18.0 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.148 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016986.D

Acq: 26 Jun 2020 16:15

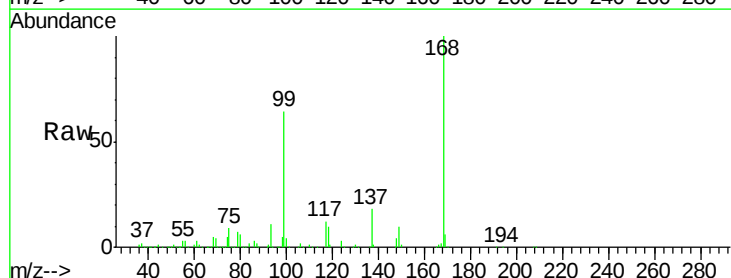
Tgt Ion: 75 Resp: 20459

Ion Ratio Lower Upper

75 100

110 0.0 17.2 51.6#

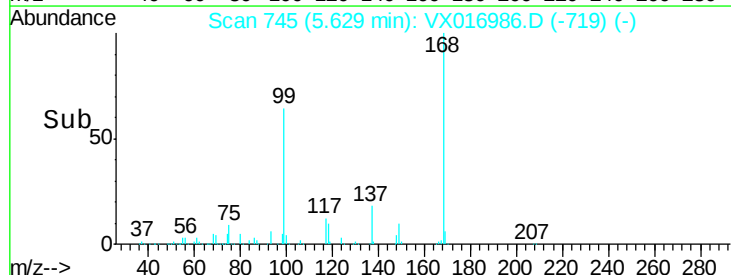
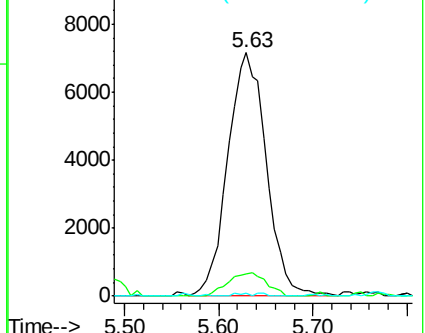
77 0.4 24.7 37.1#

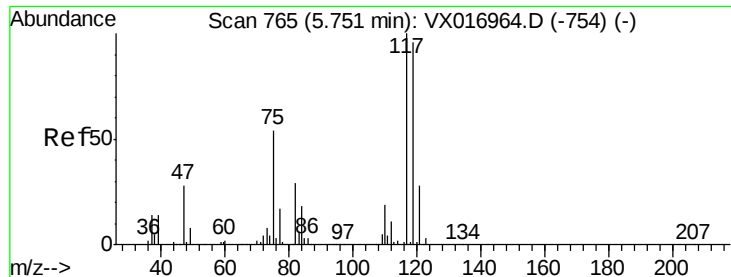


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.096 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX016986.D

Acq: 26 Jun 2020 16:15

Instrument :

MSVOA_X

ClientSampleId :

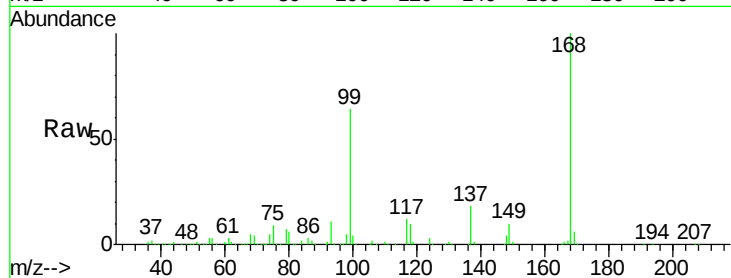
Tot Ion:117 Resp: 25640

Ion Ratio Lower Upper

117 100

119 6.8 76.6 114.8#

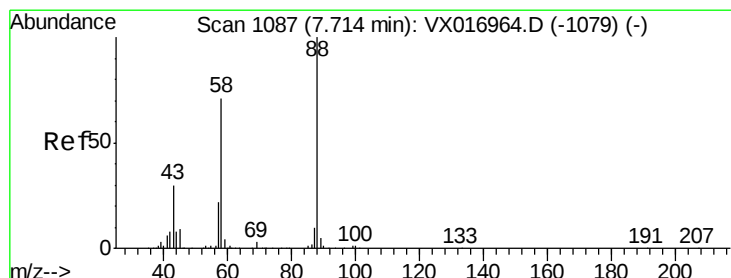
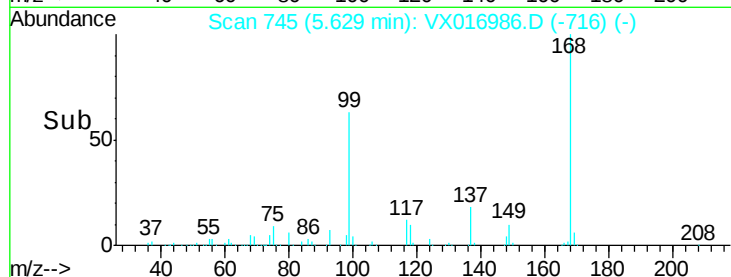
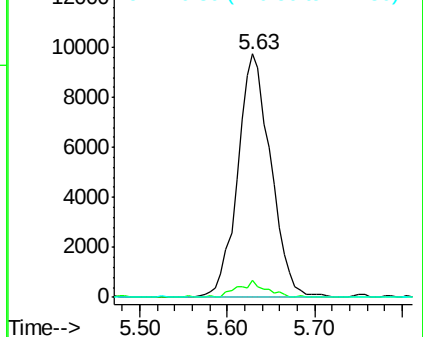
121 0.0 22.5 33.7#



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: 0.315 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.07 min

Lab File: VX016986.D

Acq: 26 Jun 2020 16:15

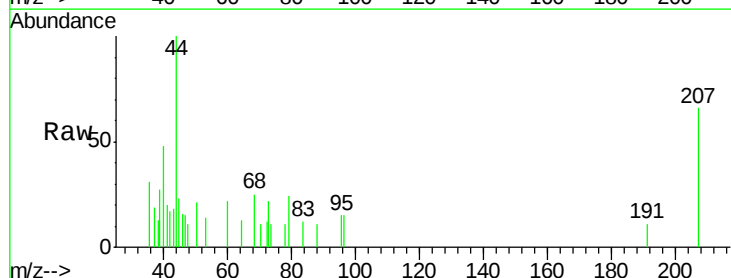
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 754.5 28.1 42.1#

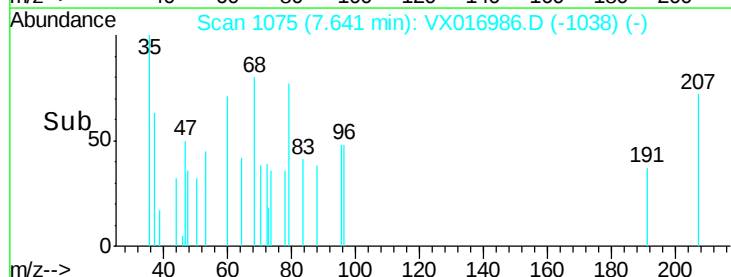
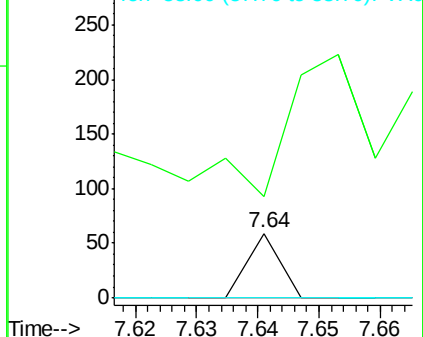
58 0.0 56.1 84.1#

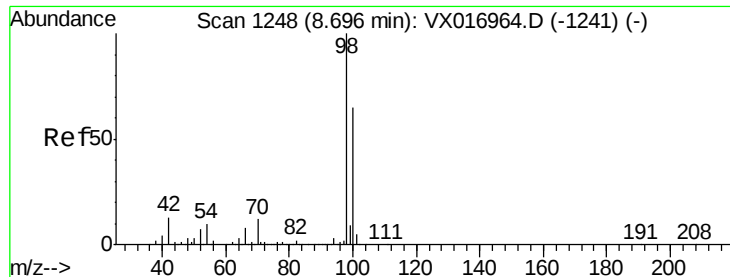


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.845 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016986.D

Acq: 26 Jun 2020 16:15

Instrument :

MSVOA_X

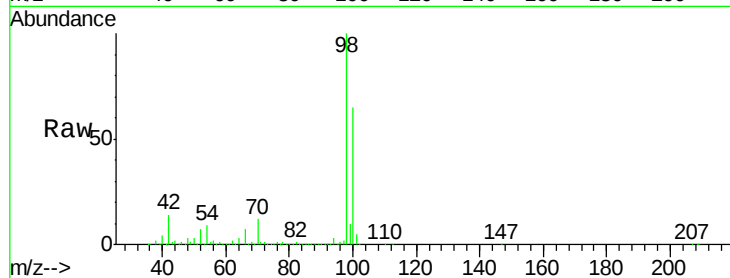
ClientSampleId :

Tot Ion: 98 Resp: 503811

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

300000

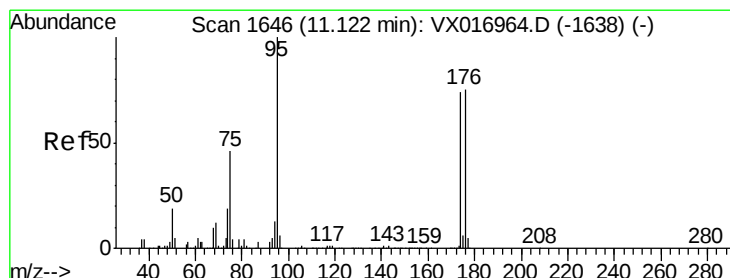
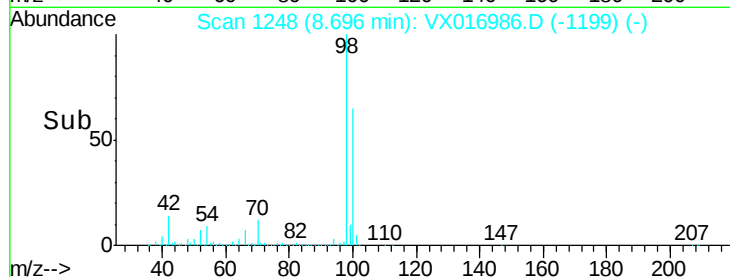
200000

100000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 56.235 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016986.D

Acq: 26 Jun 2020 16:15

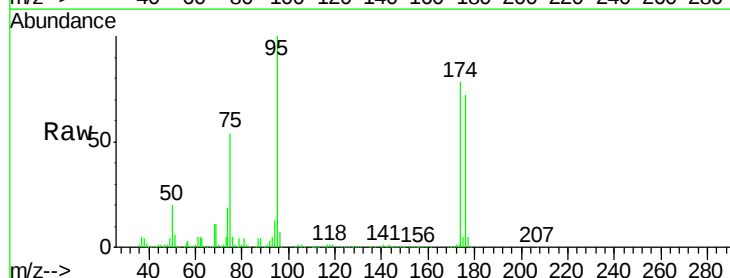
Tgt Ion: 95 Resp: 211315

Ion Ratio Lower Upper

95 100

174 75.0 0.0 149.6

176 70.2 0.0 148.2



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

11.12

200000

150000

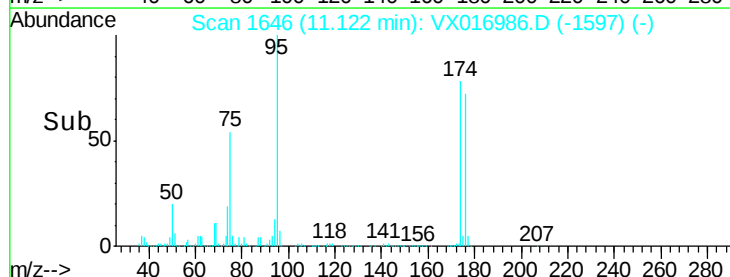
100000

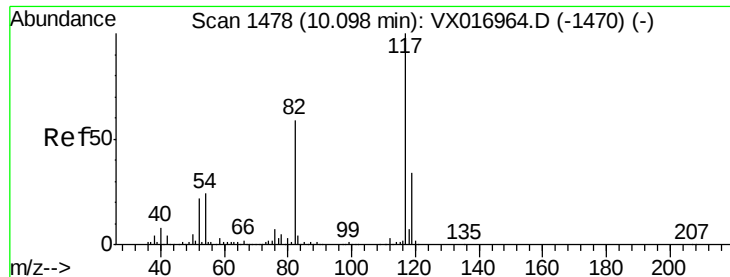
50000

0

Time-->

11.10 11.20

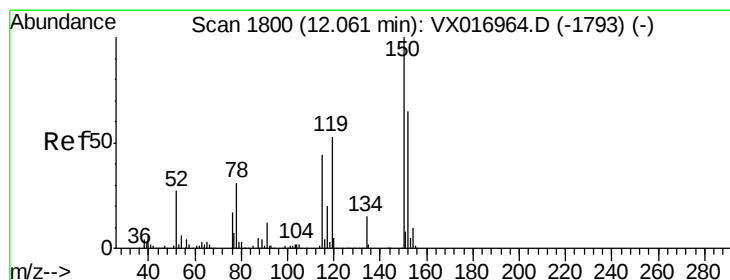
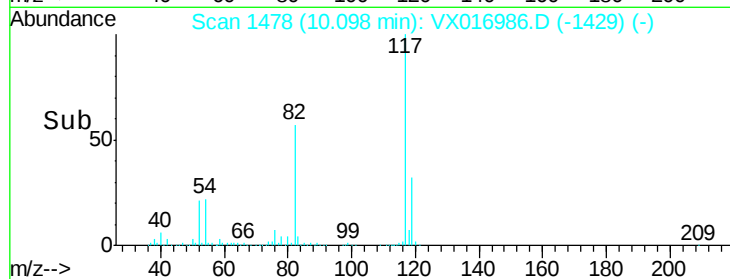
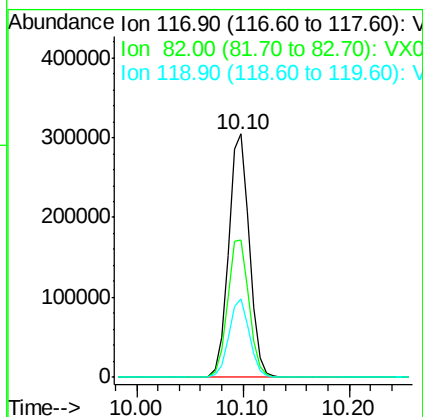
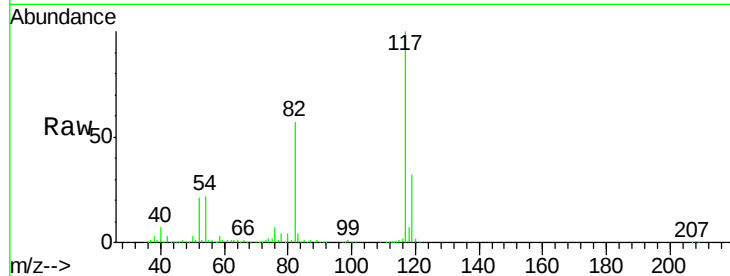




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016986.D
Acq: 26 Jun 2020 16:15

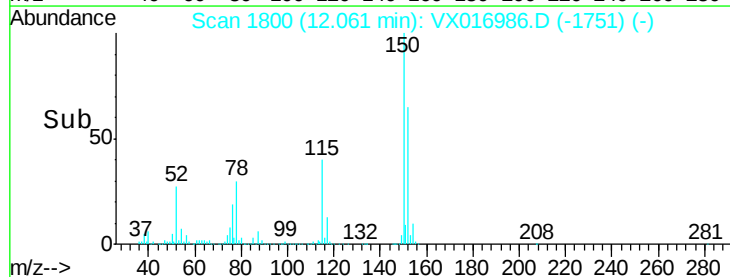
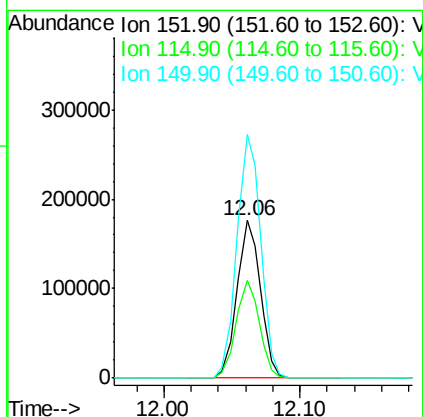
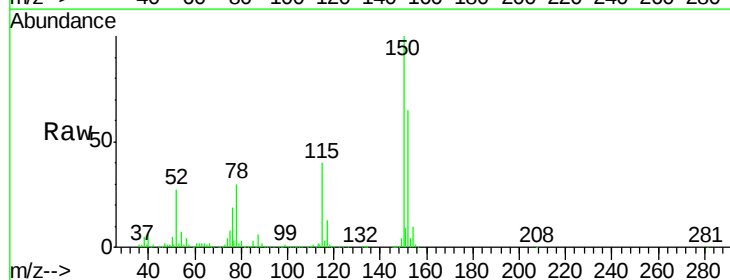
Instrument :
MSVOA_X
ClientSampleId :

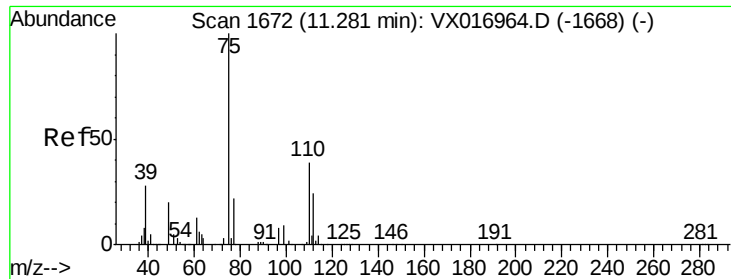
Tot Ion:117 Resp: 415176
Ion Ratio Lower Upper
117 100
82 56.6 46.8 70.2
119 32.1 27.3 40.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016986.D
Acq: 26 Jun 2020 16:15

Tgt Ion:152 Resp: 211085
Ion Ratio Lower Upper
152 100
115 61.9 42.8 128.4
150 157.2 0.0 347.8

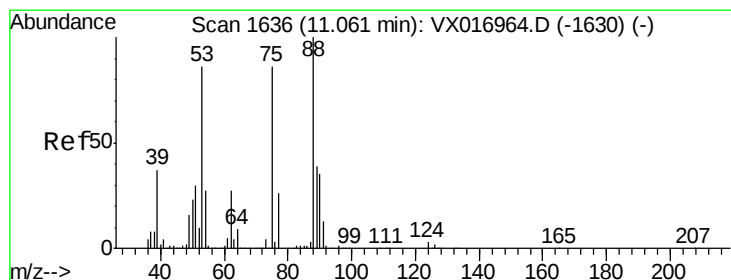
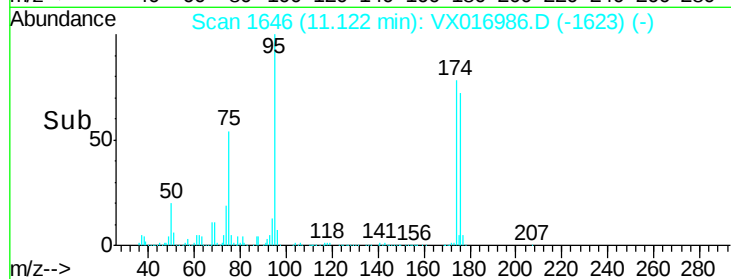
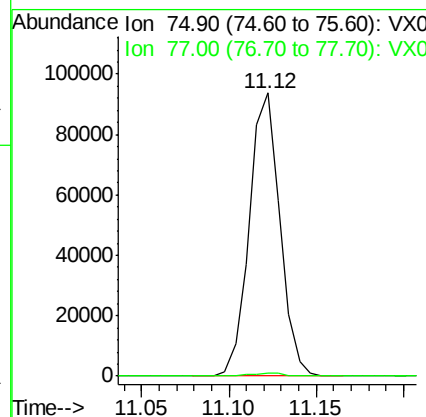
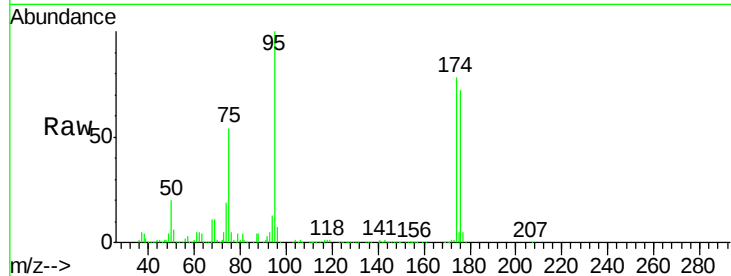




#76
 1,2,3-Trichloropropane
 Concen: 25.721 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016986.D
 Acq: 26 Jun 2020 16:15

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 113942
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.3 61.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.303 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016986.D
 Acq: 26 Jun 2020 16:15

Tgt Ion: 75 Resp: 113942
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.9 122.9#
 89 0.0 35.5 53.3#

