

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121020\
 Data File : VX019833.D
 Acq On : 10 Dec 2020 18:13
 Operator : JC/MD
 Sample : L4996-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D1-20201208

Quant Time: Dec 11 00:53:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	313176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	519770	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	481452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	215085	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	199111	48.37	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.74%	
35) Dibromofluoromethane		5.46	113	161443	48.06	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.12%	
50) Toluene-d8		8.70	98	627995	48.97	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.94%	
62) 4-Bromofluorobenzene		11.12	95	220896	45.25	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.50%	

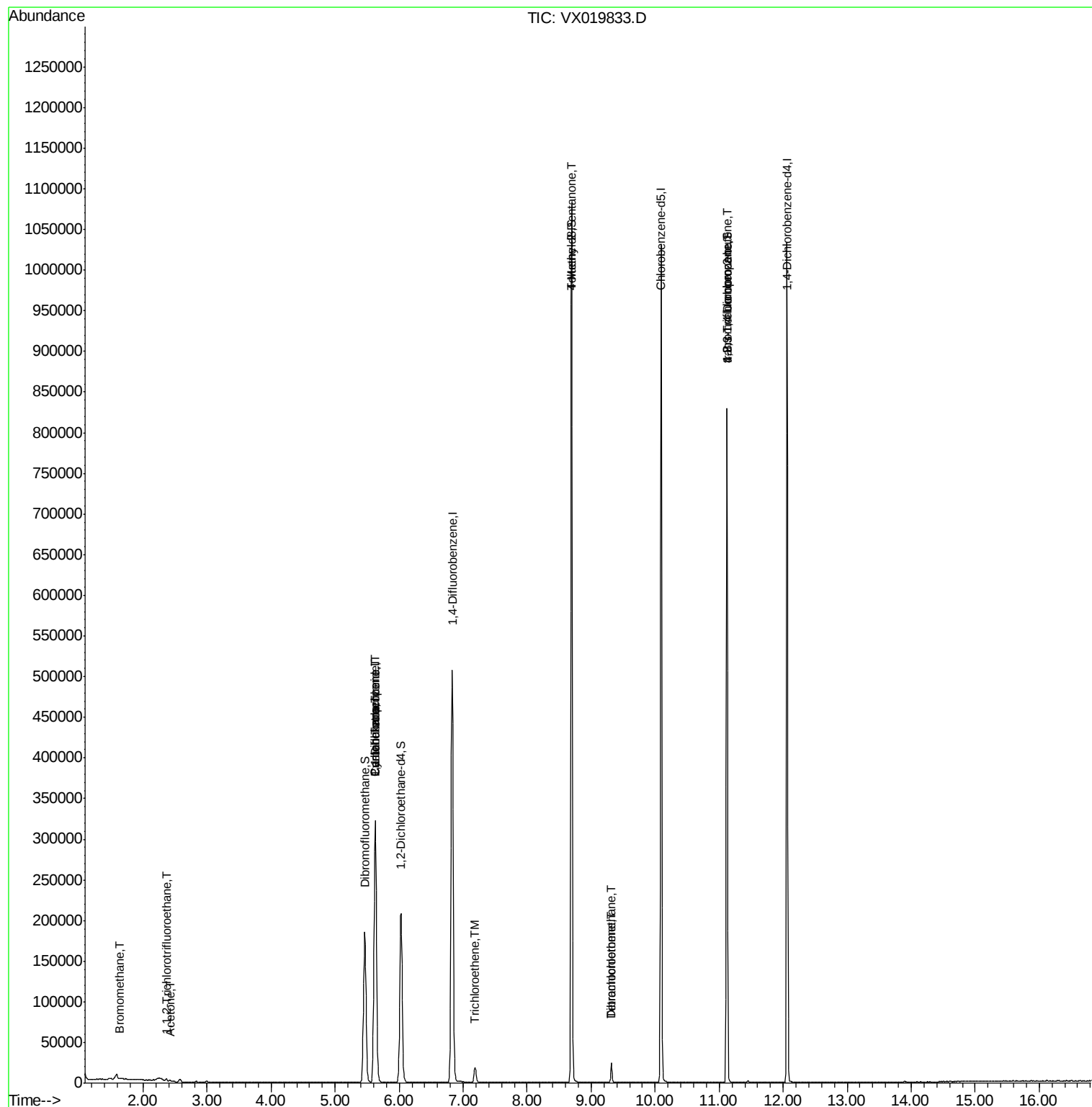
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	589	0.499	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	738	0.260	ug/l	100
11) Tert butyl alcohol	3.00	59	798	Below Cal	#	73
16) Acetone	2.42	43	1435	0.928	ug/l	91
20) Methylene Chloride	2.83	84	486	Below Cal	#	83
31) Cyclohexane	5.62	56	5996	1.171	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23698	5.046	ug/l #	48
38) Carbon Tetrachloride	5.62	117	30585	6.650	ug/l #	16
44) Trichloroethene	7.18	130	6776	1.800	ug/l	95
51) 4-Methyl-2-Pentanone	8.70	43	2728	0.580	ug/l #	1
60) Dibromochloromethane	9.32	129	4424	1.204	ug/l #	11
64) Tetrachloroethene	9.32	164	4468	1.384	ug/l	92
76) 1,2,3-Trichloropropane	11.12	75	108728	22.539	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	108728	65.156	ug/l #	12

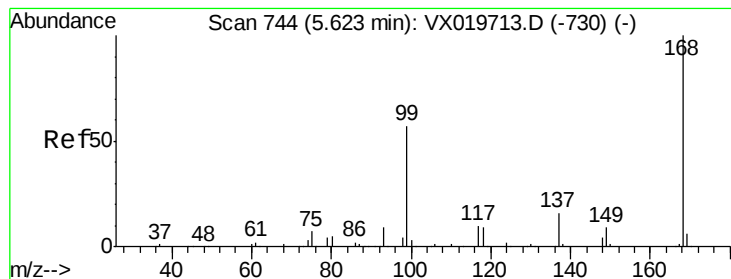
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

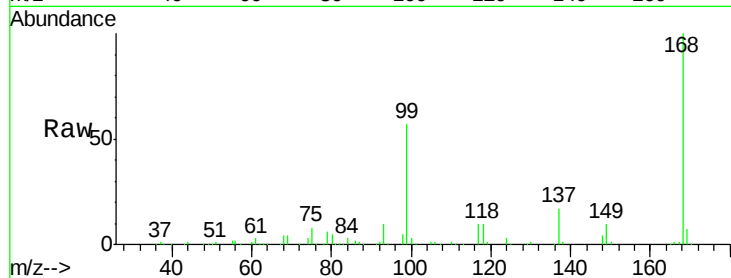
RE126D1-20201208

Tgt Ion:168 Resp: 313176

Ion Ratio Lower Upper

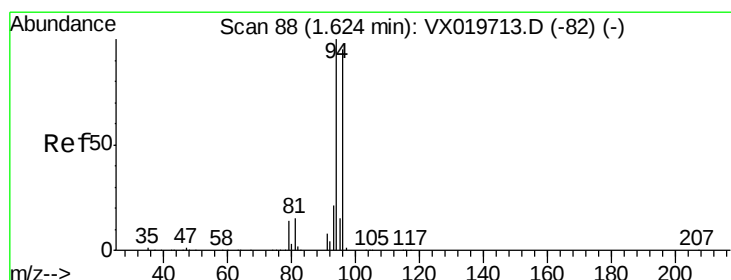
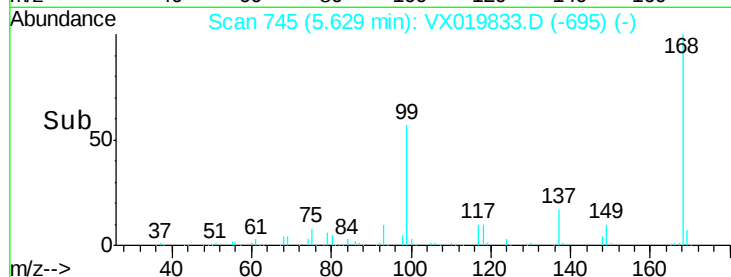
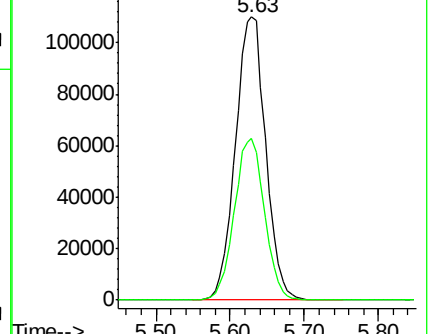
168 100

99 57.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.499 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019833.D

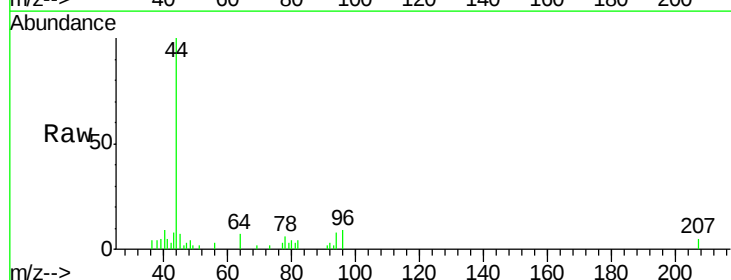
Acq: 10 Dec 2020 18:13

Tgt Ion: 94 Resp: 589

Ion Ratio Lower Upper

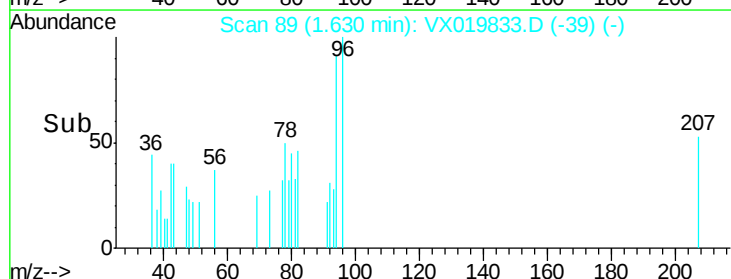
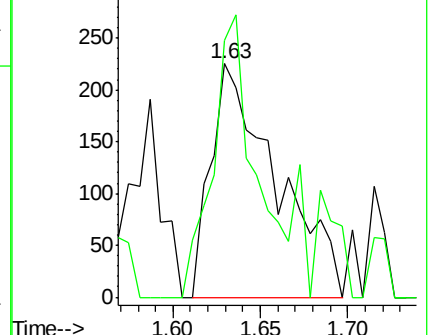
94 100

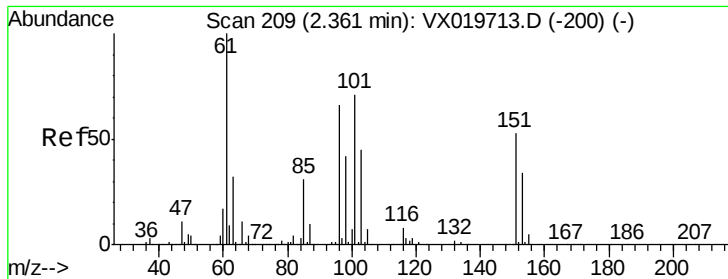
96 85.8 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.260 ug/l

RT: 2.37 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

RE126D1-20201208

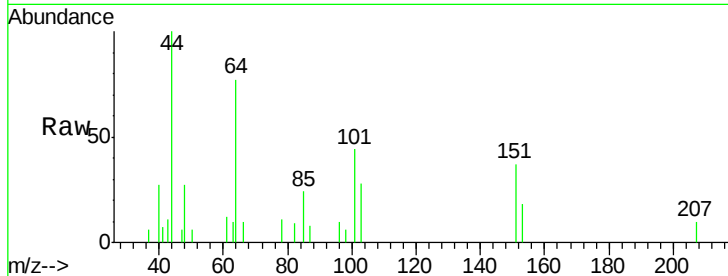
Tgt Ion:101 Resp: 738

Ion Ratio Lower Upper

101 100

85 43.5 34.9 52.3

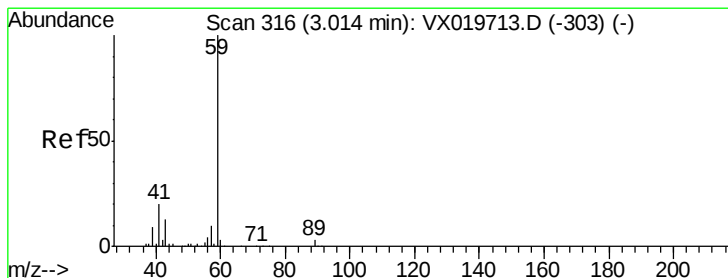
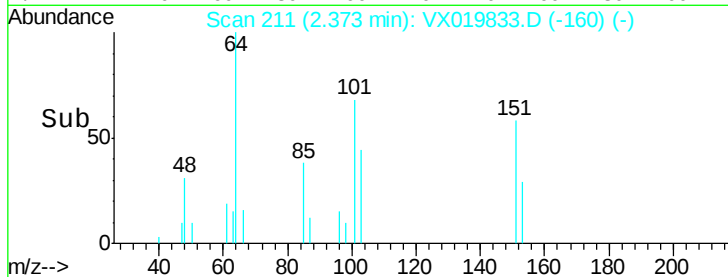
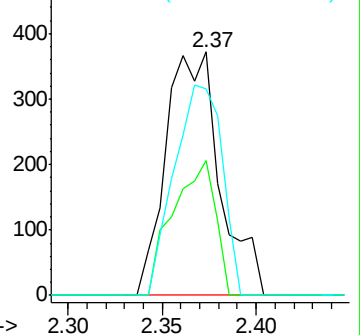
151 76.7 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019833.D

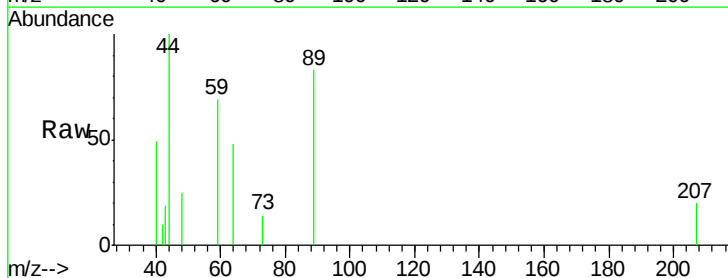
Acq: 10 Dec 2020 18:13

Tgt Ion: 59 Resp: 798

Ion Ratio Lower Upper

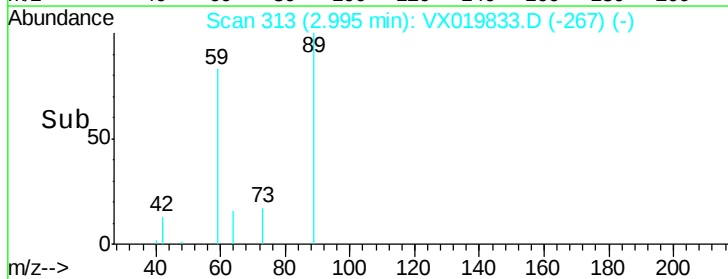
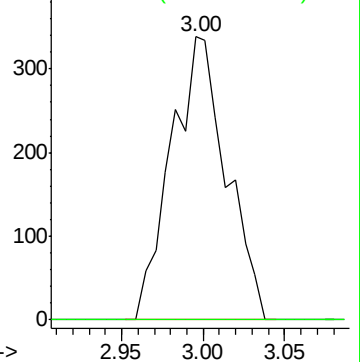
59 100

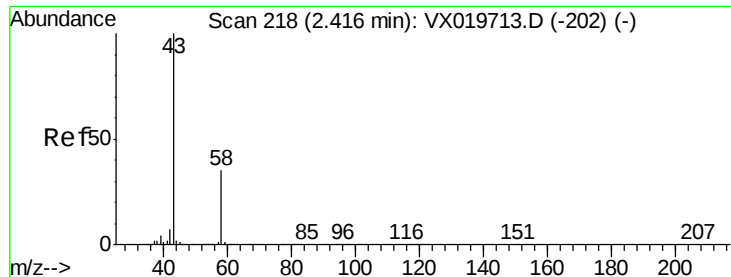
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 0.928 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

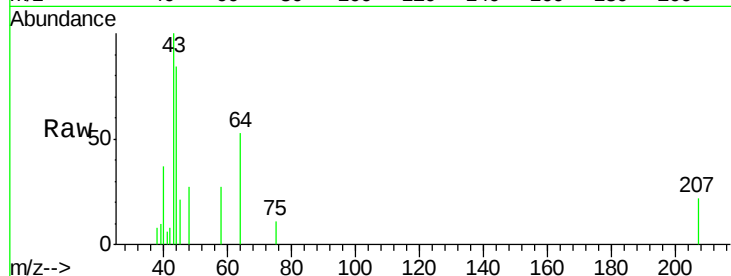
RE126D1-20201208

Tgt Ion: 43 Resp: 1435

Ion Ratio Lower Upper

43 100

58 29.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

800

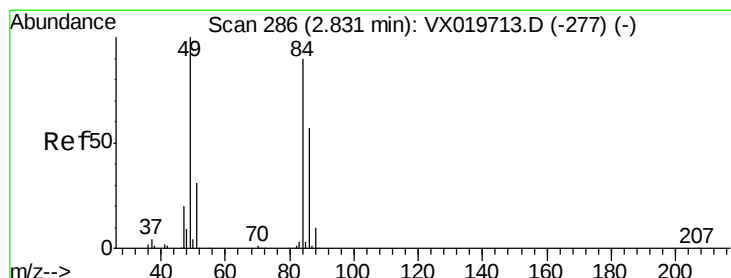
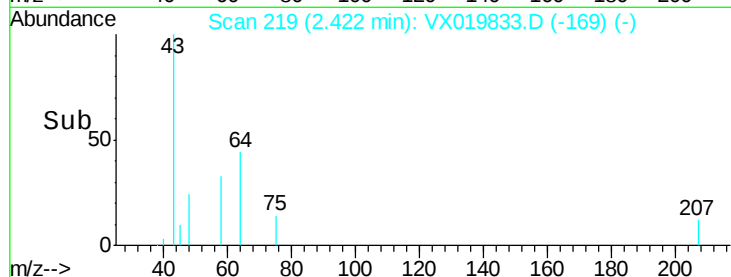
600

400

200

0

Time--> 2.35 2.40 2.45



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Tgt Ion: 84 Resp: 486

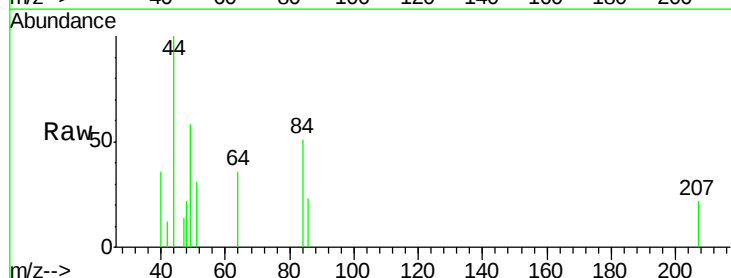
Ion Ratio Lower Upper

84 100

49 113.8 88.6 132.8

51 61.5 27.0 40.6#

86 44.4 50.3 75.5#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

500

400

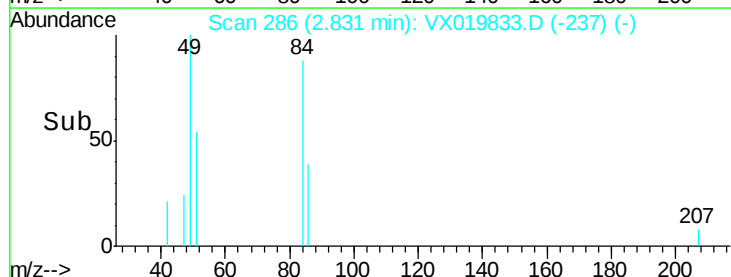
300

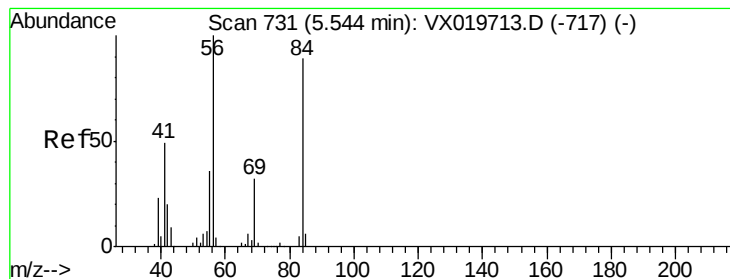
200

100

0

Time--> 2.80 2.85





#31

Cyclohexane

Concen: 1.171 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

RE126D1-20201208

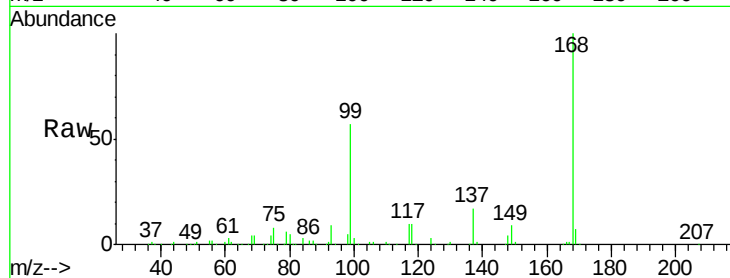
Tgt Ion: 56 Resp: 5996

Ion Ratio Lower Upper

56 100

69 196.4 25.3 37.9#

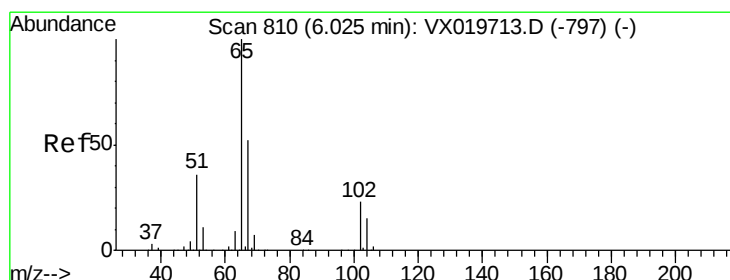
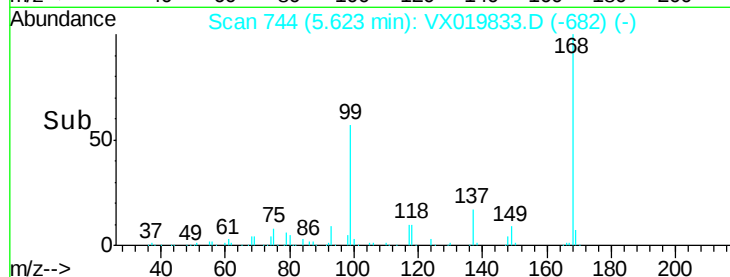
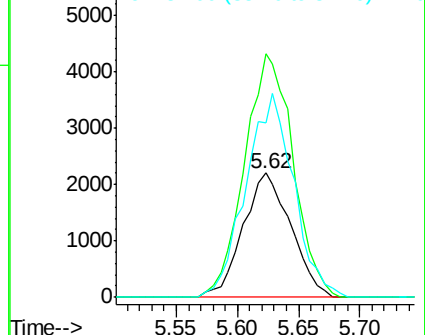
84 140.6 71.4 107.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.374 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019833.D

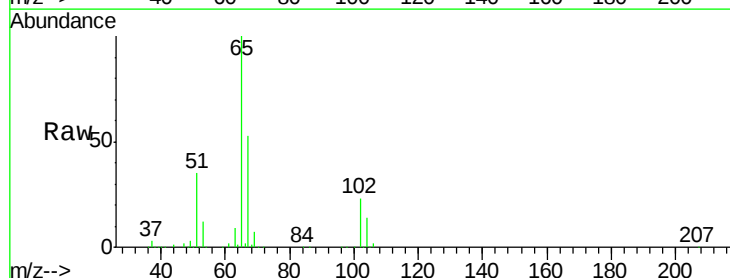
Acq: 10 Dec 2020 18:13

Tgt Ion: 65 Resp: 199111

Ion Ratio Lower Upper

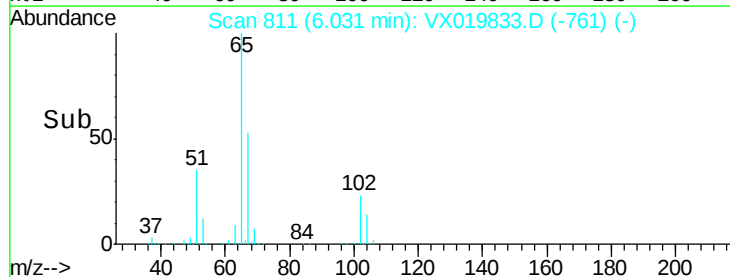
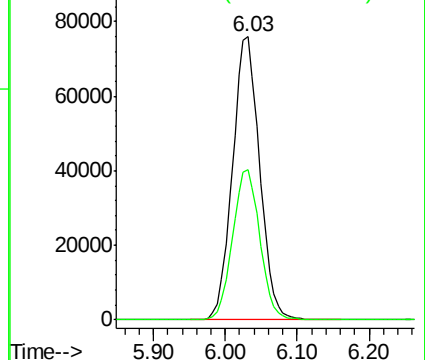
65 100

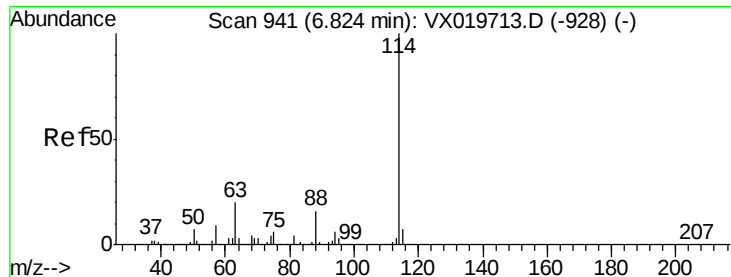
67 53.2 0.0 105.4



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. 0.01 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

RE126D1-20201208

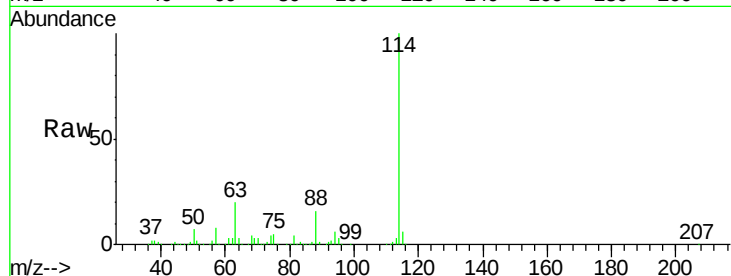
Tgt Ion:114 Resp: 519770

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

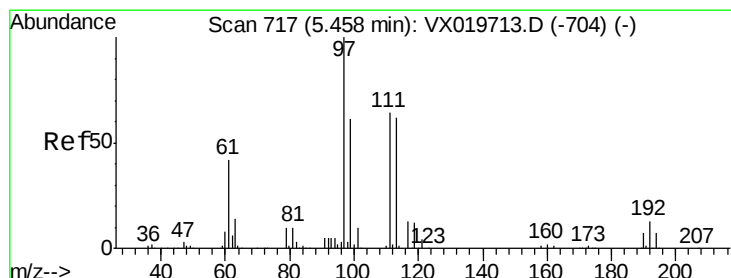
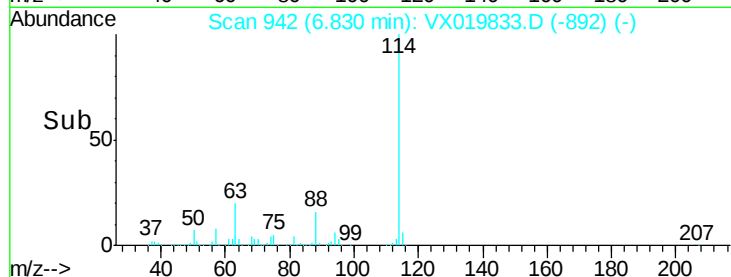
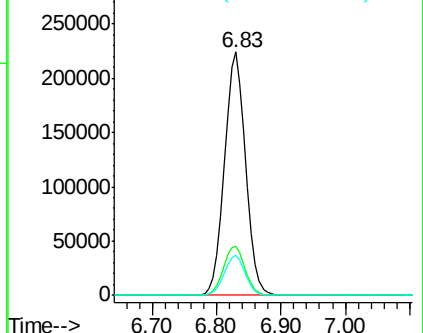
88 16.4 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.060 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

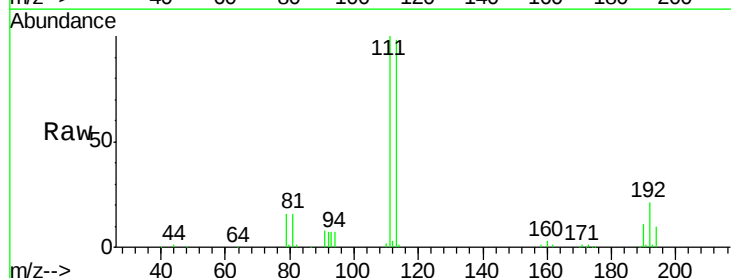
Tgt Ion:113 Resp: 161443

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

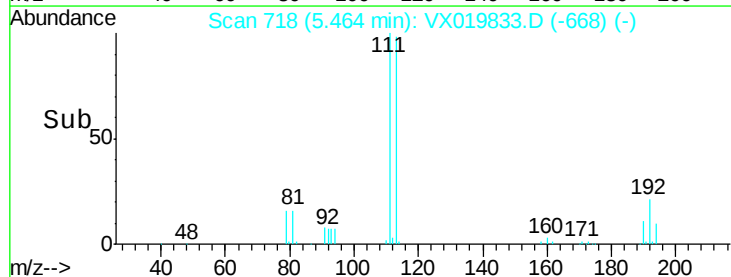
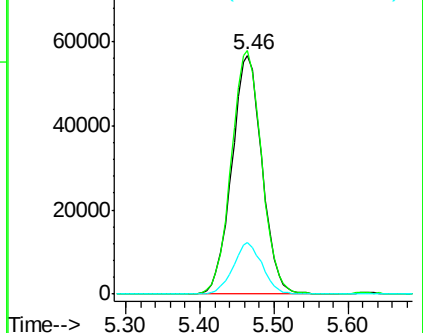
192 20.8 16.7 25.1

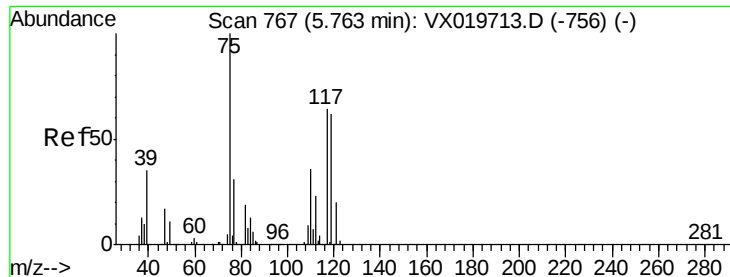


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

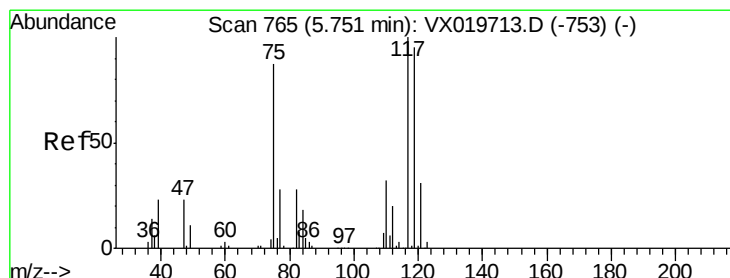
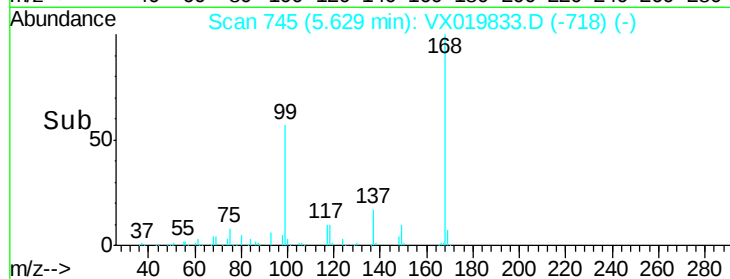
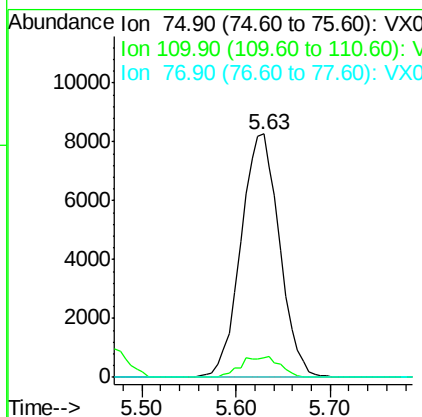
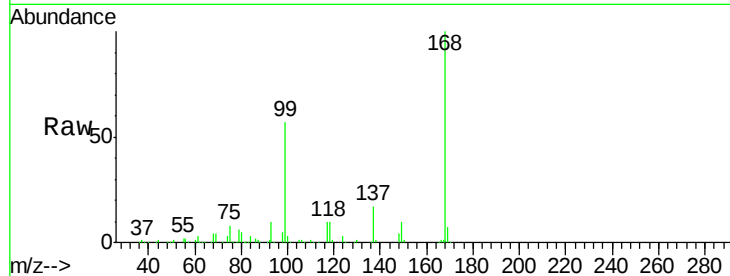




#36
 1,1-Dichloropropene
 Concen: 5.046 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019833.D
 Acq: 10 Dec 2020 18:13

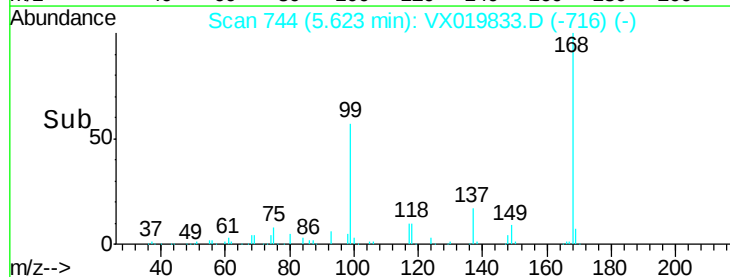
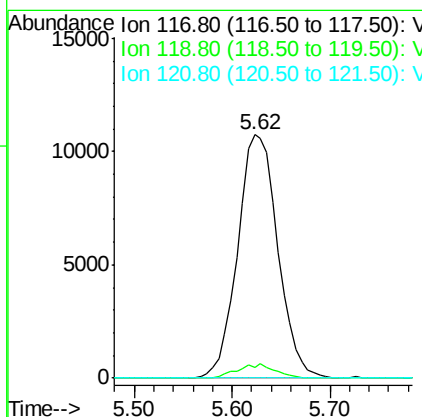
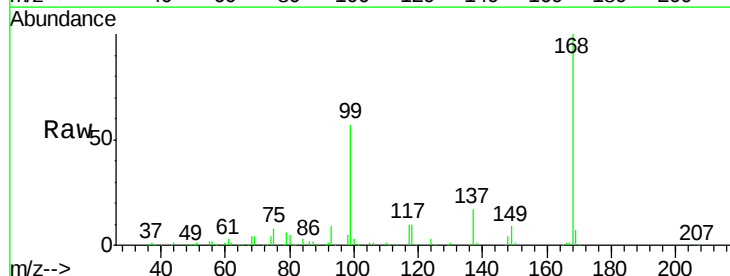
Instrument :
 MSVOA_X
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 RE126D1-20201208

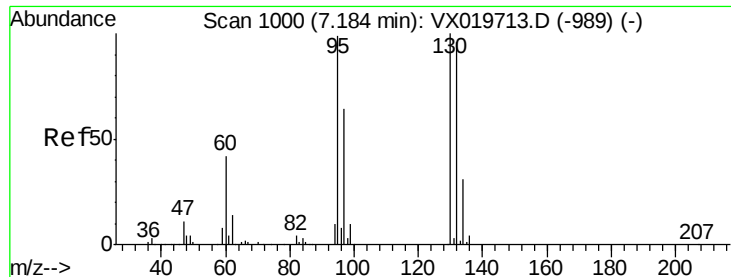
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.1	54.4#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.650 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX019833.D
 Acq: 10 Dec 2020 18:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.2	114.2#
121	0.0	24.8	37.2#





#44

Trichloroethene

Concen: 1.800 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

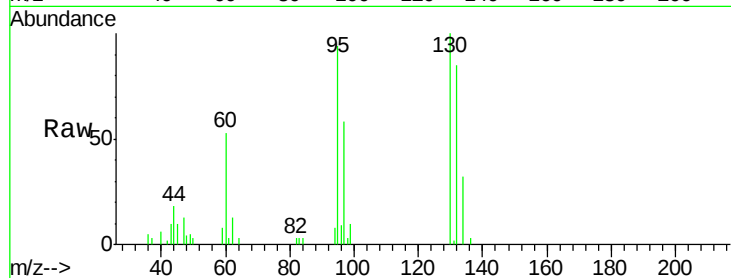
RE126D1-20201208

Tgt Ion:130 Resp: 6776

Ion Ratio Lower Upper

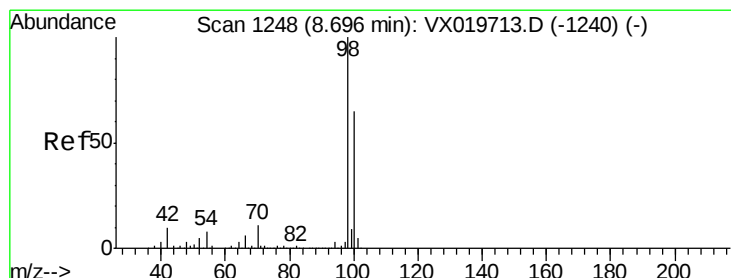
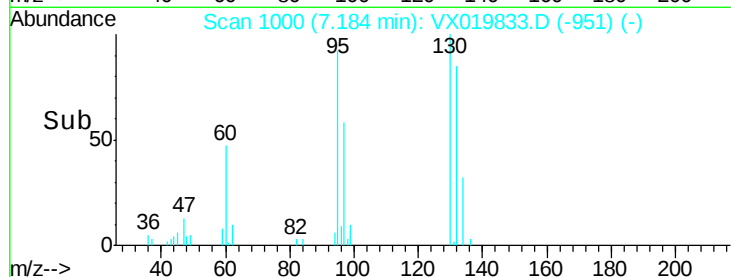
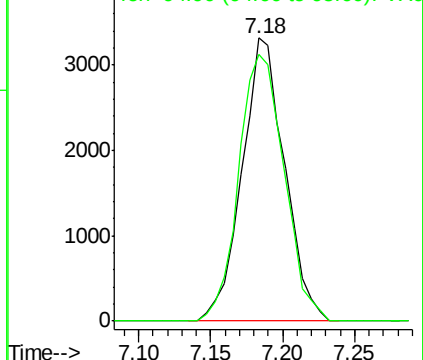
130 100

95 94.2 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.968 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019833.D

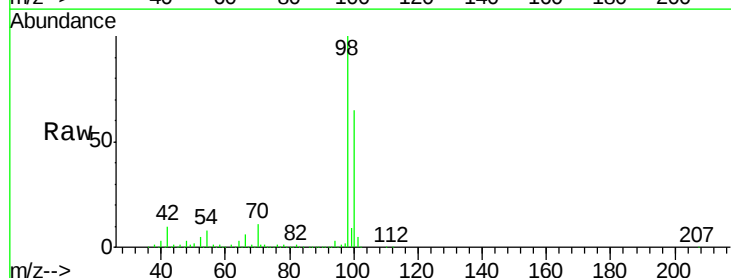
Acq: 10 Dec 2020 18:13

Tgt Ion: 98 Resp: 627995

Ion Ratio Lower Upper

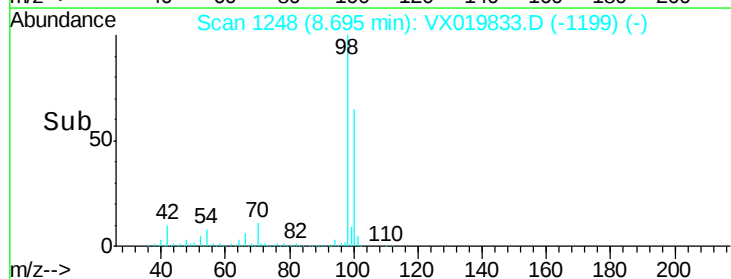
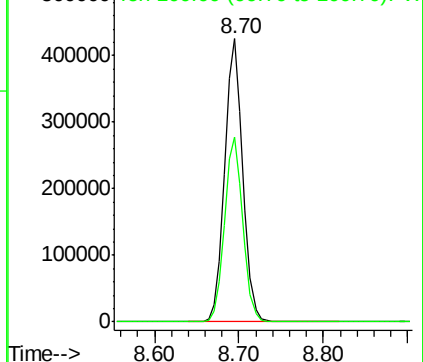
98 100

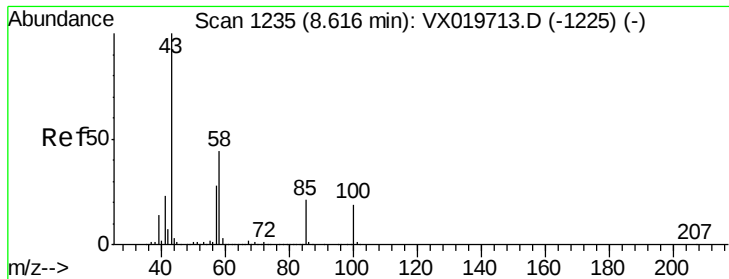
100 65.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.580 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.08 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

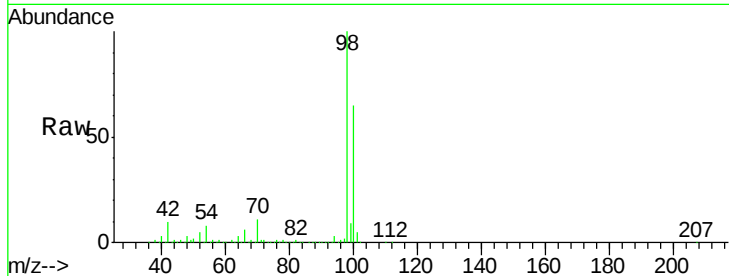
RE126D1-20201208

Tgt Ion: 43 Resp: 2728

Ion Ratio Lower Upper

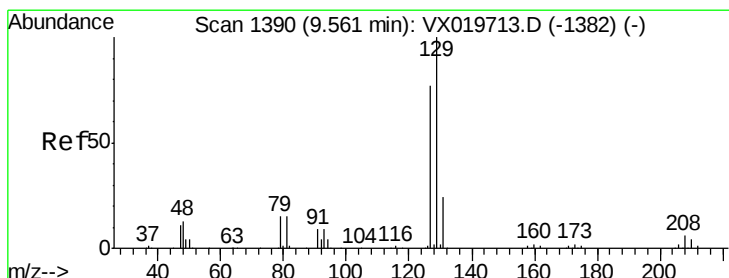
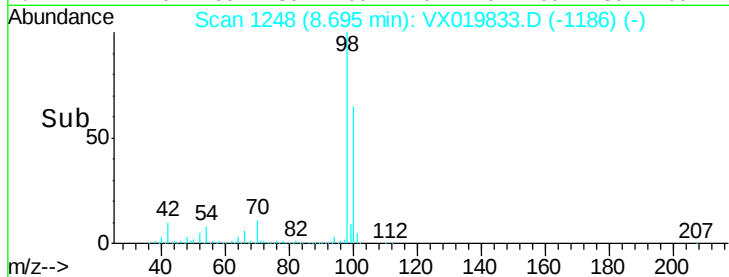
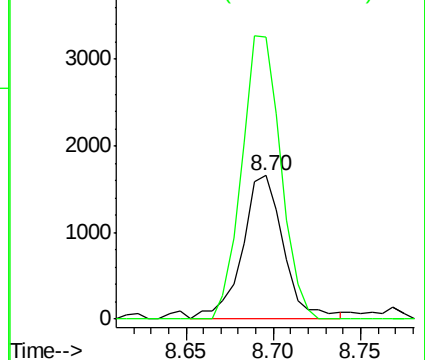
43 100

58 185.4 35.4 53.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 1.204 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.24 min

Lab File: VX019833.D

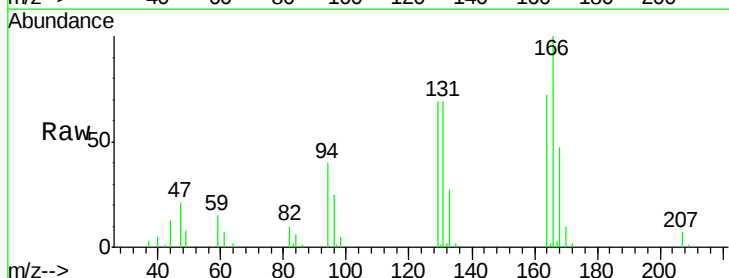
Acq: 10 Dec 2020 18:13

Tgt Ion: 129 Resp: 4424

Ion Ratio Lower Upper

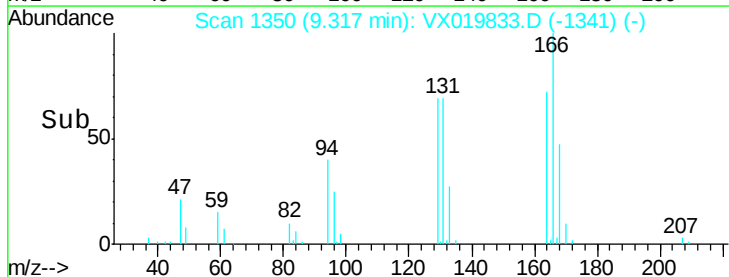
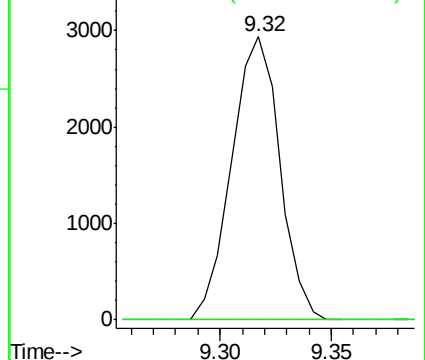
129 100

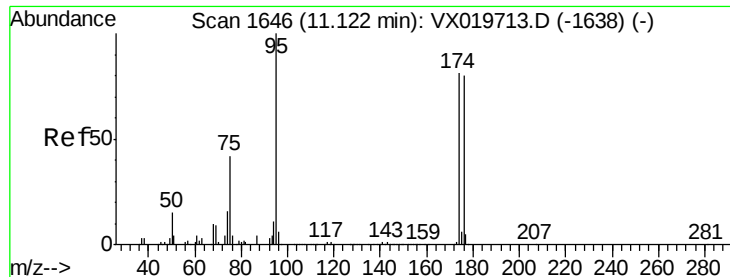
127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.255 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

Instrument :

MSVOA_X

ClientSampleId :

RE126D1-20201208

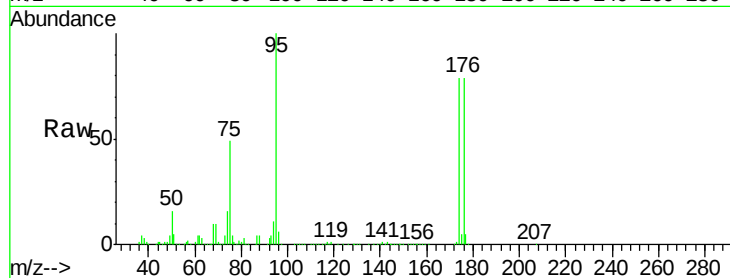
Tgt Ion: 95 Resp: 220896

Ion Ratio Lower Upper

95 100

174 76.7 0.0 154.6

176 76.5 0.0 155.8

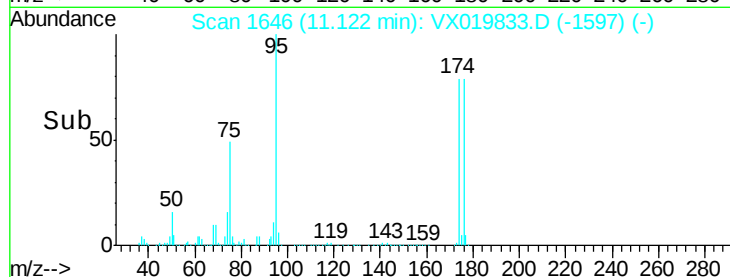


Abundance Ion 94.90 (94.60 to 95.60): VX019713.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX019713.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX019713.D (-1638) (-)

Time-->

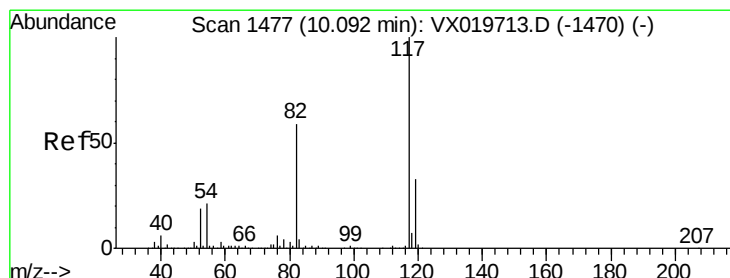


Abundance Ion 94.90 (94.60 to 95.60): VX019833.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019833.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019833.D (-1597) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019833.D

Acq: 10 Dec 2020 18:13

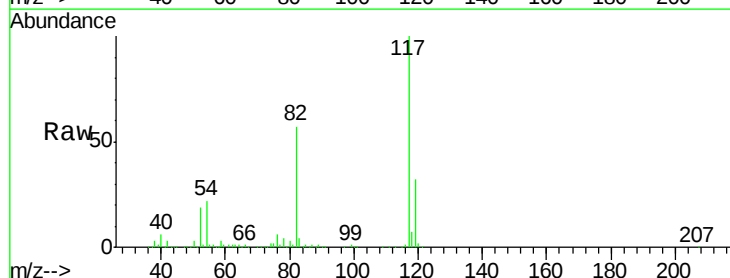
Tgt Ion: 117 Resp: 481452

Ion Ratio Lower Upper

117 100

82 56.6 47.4 71.2

119 31.8 26.6 39.8

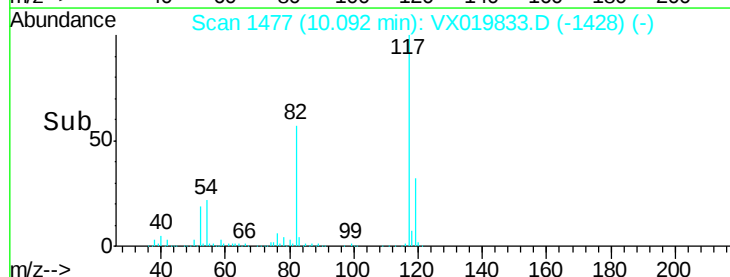


Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019713.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019713.D (-1470) (-)

Time-->

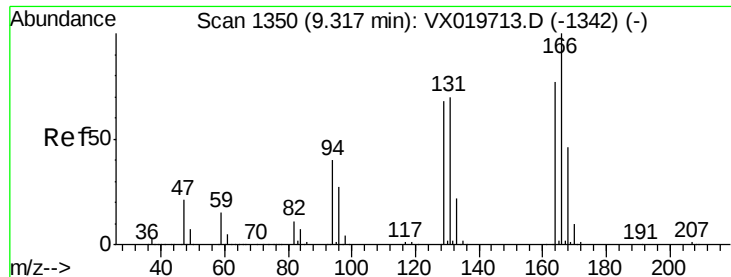


Abundance Ion 116.90 (116.60 to 117.60): VX019833.D (-1428) (-)

Ion 82.00 (81.70 to 82.70): VX019833.D (-1428) (-)

Ion 118.90 (118.60 to 119.60): VX019833.D (-1428) (-)

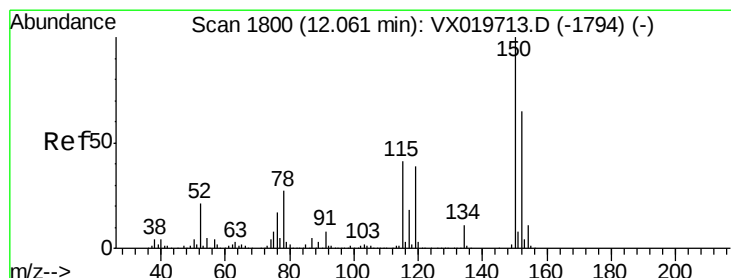
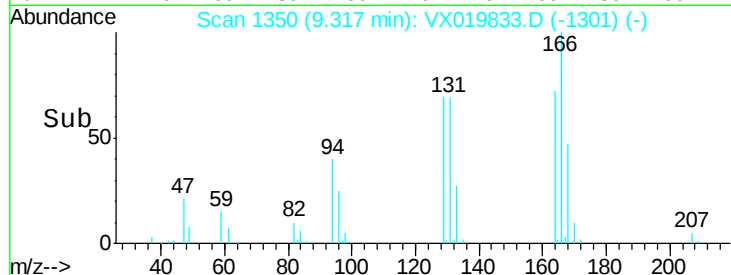
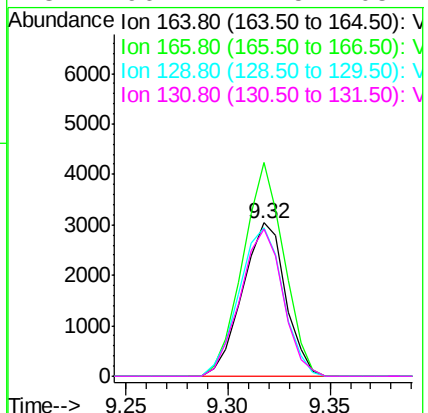
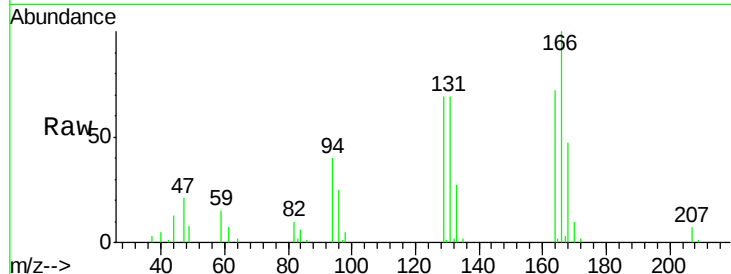
Time-->



#64
Tetrachloroethene
Concen: 1.384 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019833.D
Acq: 10 Dec 2020 18:13

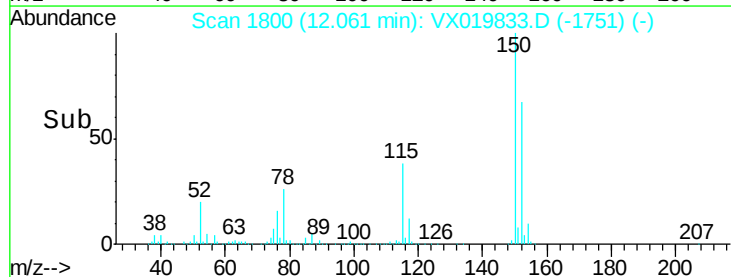
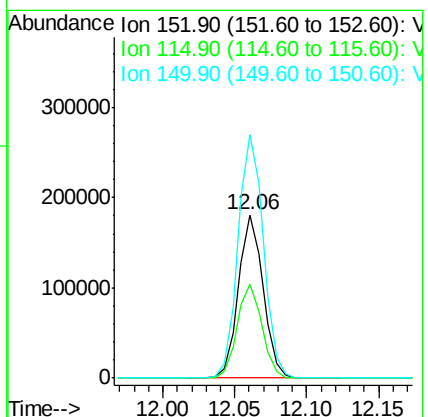
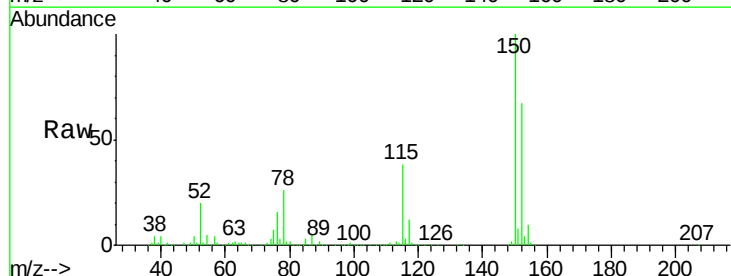
Instrument :
MSVOA_X
ClientSampleId :
RE126D1-20201208

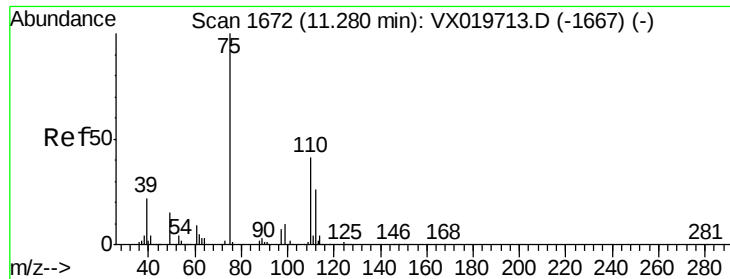
Tgt Ion:164 Resp: 4468
Ion Ratio Lower Upper
164 100
166 139.4 103.4 155.2
129 96.6 70.8 106.2
131 96.1 72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019833.D
Acq: 10 Dec 2020 18:13

Tgt Ion:152 Resp: 215085
Ion Ratio Lower Upper
152 100
115 57.9 41.1 123.3
150 153.8 0.0 349.0

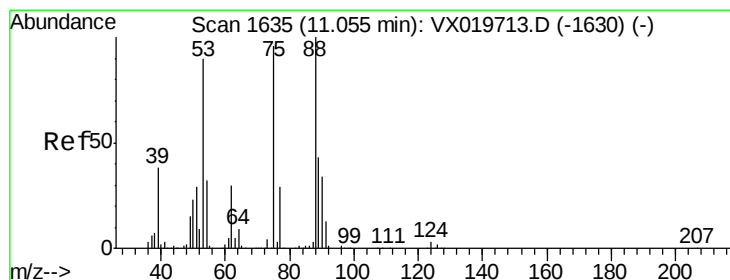
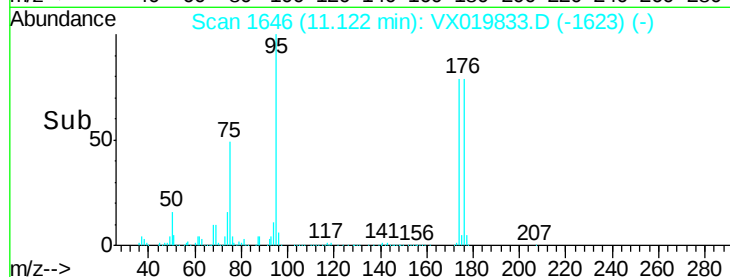
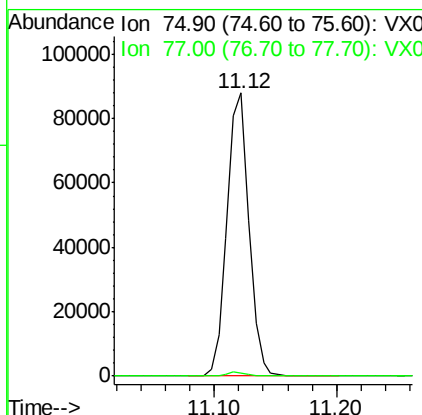
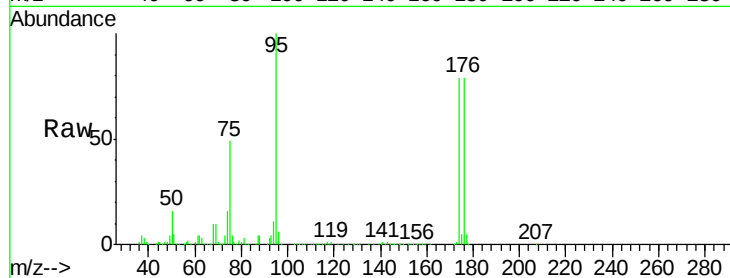




#76
 1,2,3-Trichloropropane
 Concen: 22.539 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX019833.D
 Acq: 10 Dec 2020 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D1-20201208

Tgt Ion: 75 Resp: 108728
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.156 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019833.D
 Acq: 10 Dec 2020 18:13

Tgt Ion: 75 Resp: 108728
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

