

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX022720\
 Data File : VX015043.D
 Acq On : 27 Feb 2020 13:21
 Operator : JC/SP
 Sample : L1683-15DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 INTERCEPTOR-20200225DL

Quant Time: Feb 27 15:49:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	409995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	652586	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	633692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	322803	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	235663	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	5.49	113	200718	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	8.71	98	788883	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	11.13	95	287554	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

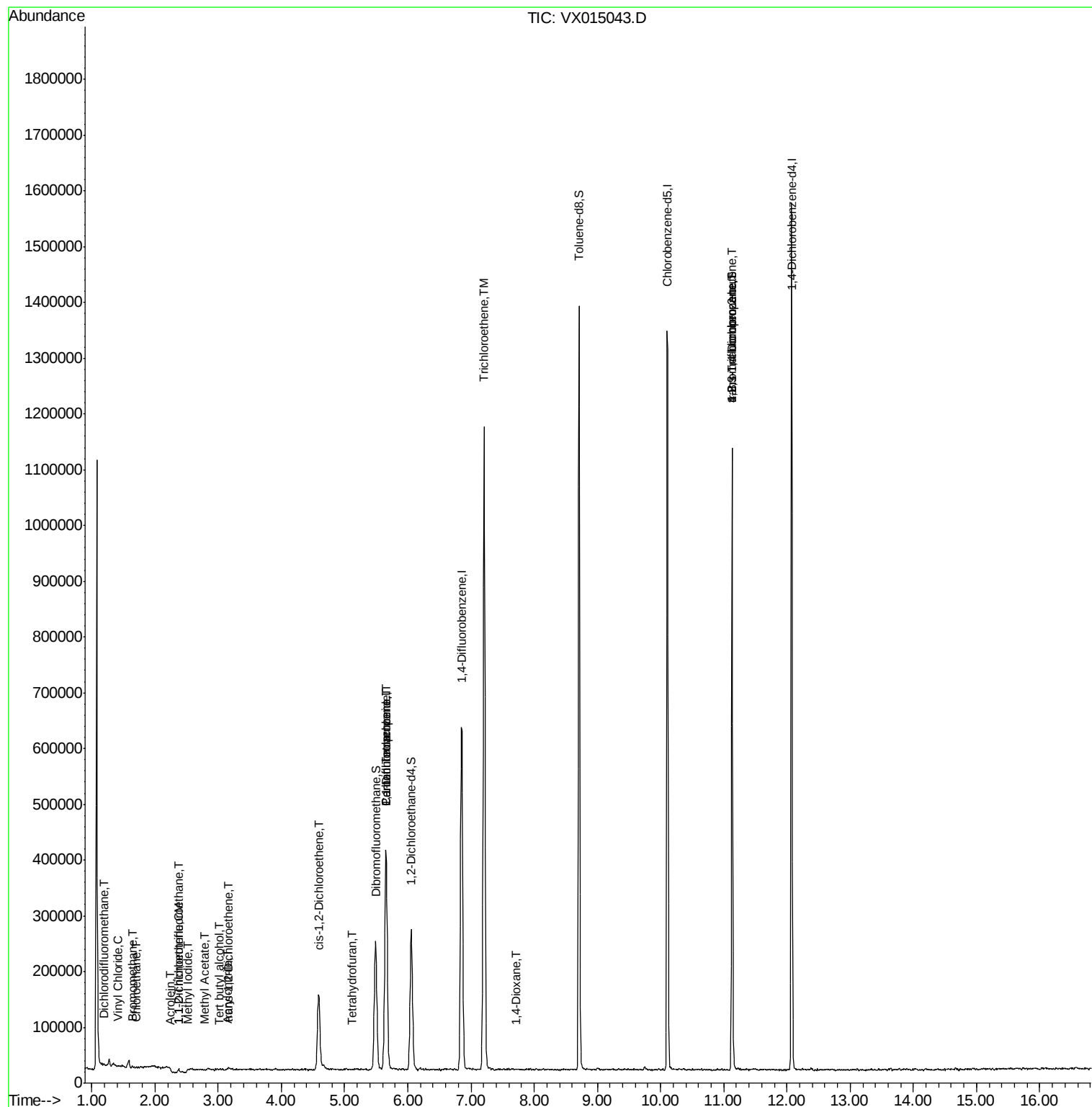
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	1475	0.38	ug/l	77
4) Vinyl Chloride	1.41	62	1104	0.23	ug/l #	69
5) Bromomethane	1.65	94	674	0.22	ug/l #	52
6) Chloroethane	1.70	64	763	0.25	ug/l #	76
9) 1,1,2-Trichlorotrifluoroet	2.38	101	1013	0.26	ug/l #	63
10) Methyl Iodide	2.51	142	717	4.52	ug/l #	28
11) Tert butyl alcohol	3.01	59	956	1.17	ug/l #	91
12) 1,1-Dichloroethene	2.37	96	2132	0.57	ug/l #	72
13) Acrolein	2.25	56	692	1.11	ug/l	94
15) Acrylonitrile	3.15	53	460	0.22	ug/l #	15
16) Acetone	2.43	43	1571	Below Cal	#	64
18) Methyl Acetate	2.78	43	1054	0.23	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	2460	0.59	ug/l #	66
27) cis-1,2-Dichloroethene	4.59	96	90021	19.42	ug/l	92
29) Tetrahydrofuran	5.12	42	797	0.45	ug/l #	51
36) 1,1-Dichloropropene	5.65	75	27644	4.74	ug/l #	43
38) Carbon Tetrachloride	5.65	117	35489	6.24	ug/l #	15
44) Trichloroethene	7.21	130	451154	89.10	ug/l	98
49) 1,4-Dioxane	7.72	88	484	5.24	ug/l #	42
76) 1,2,3-Trichloropropane	11.13	75	141993	24.32	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	141993	62.26	ug/l #	11

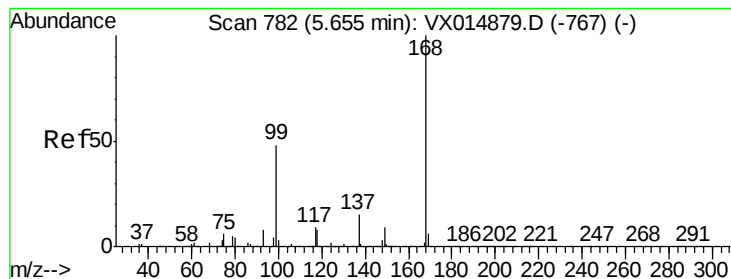
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX022720\
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Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

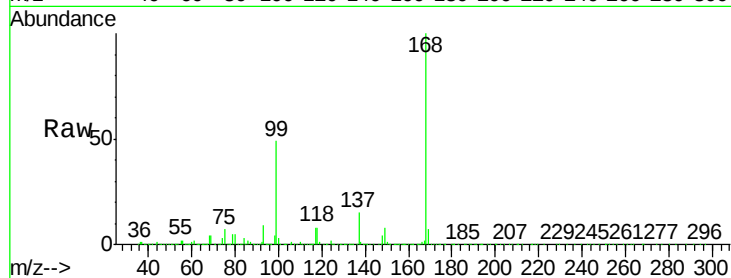
INTERCEPTOR-20200225DL

Tgt Ion:168 Resp: 409995

Ion Ratio Lower Upper

168 100

99 48.8 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

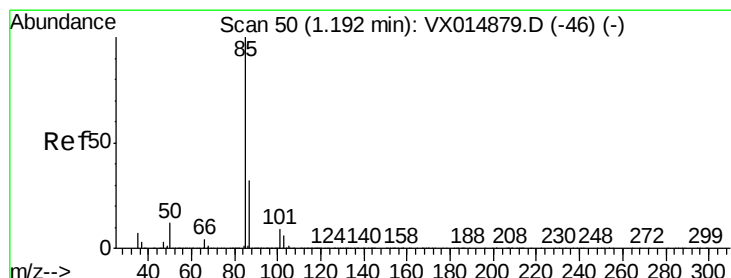
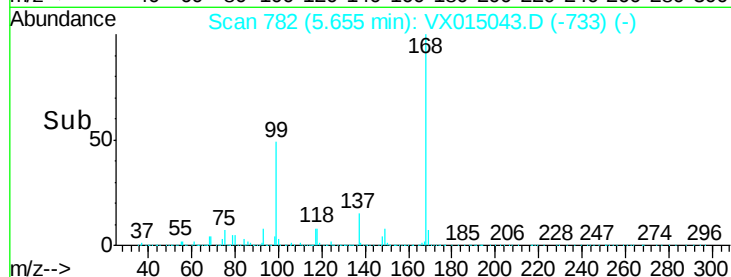
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.38 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX015043.D

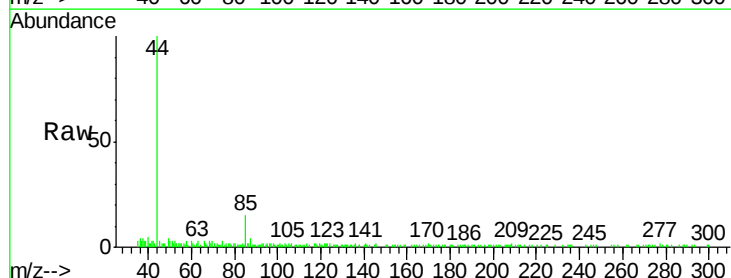
Acq: 27 Feb 2020 13:21

Tgt Ion: 85 Resp: 1475

Ion Ratio Lower Upper

85 100

87 19.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

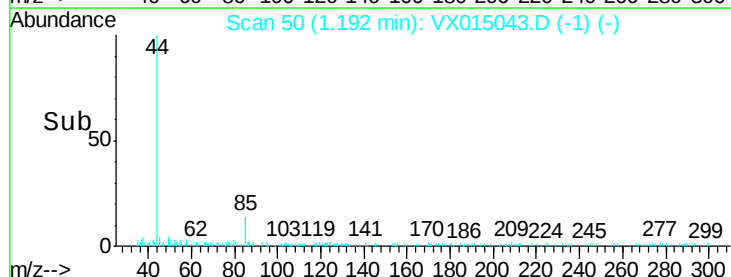
1000

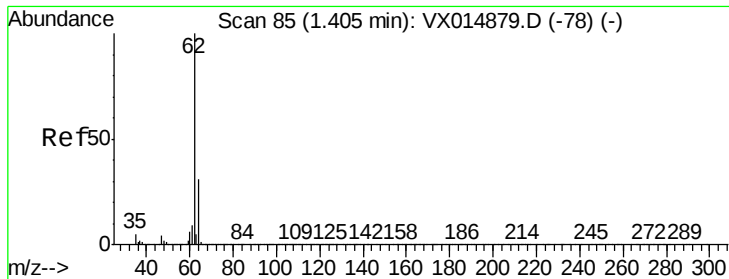
500

0

Time-->

1.15 1.20 1.25





#4

Vinyl Chloride

Concen: 0.23 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.00 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

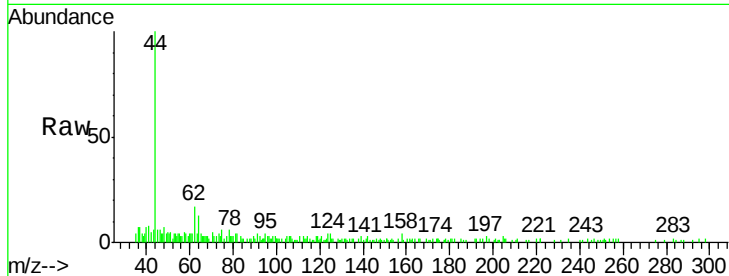
INTERCEPTOR-20200225DL

Tgt Ion: 62 Resp: 1104

Ion Ratio Lower Upper

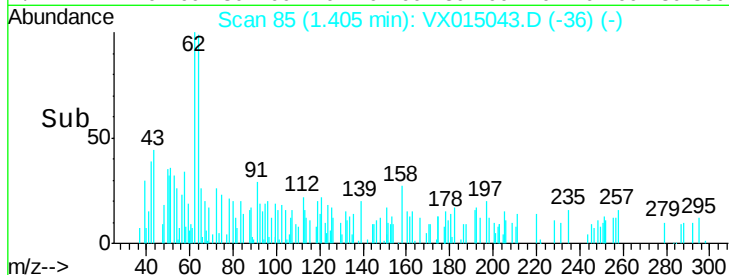
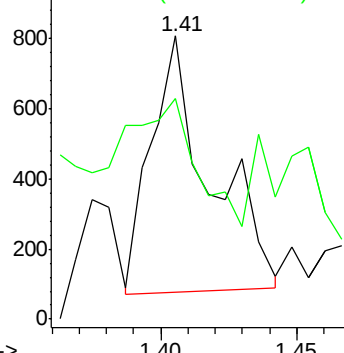
62 100

64 48.2 24.8 37.2#

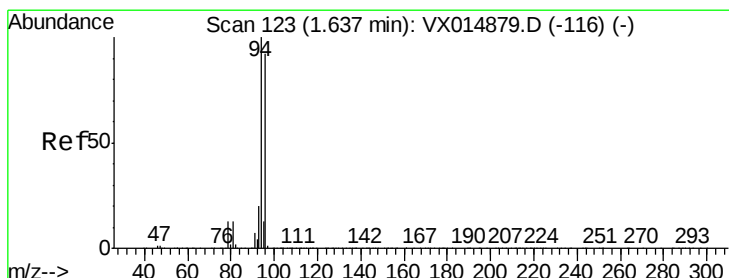


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->



#5

Bromomethane

Concen: 0.22 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015043.D

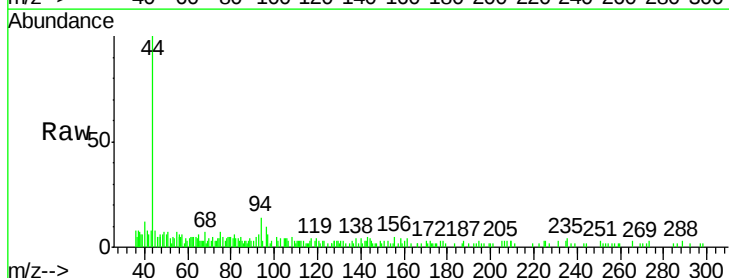
Acq: 27 Feb 2020 13:21

Tgt Ion: 94 Resp: 674

Ion Ratio Lower Upper

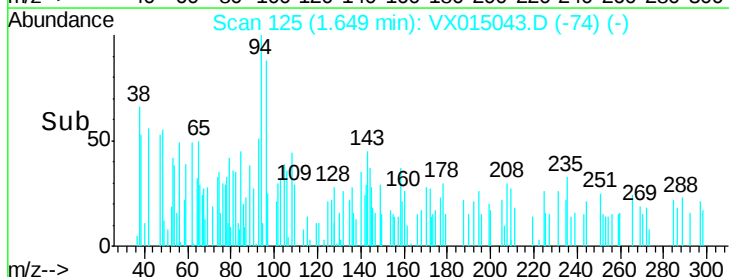
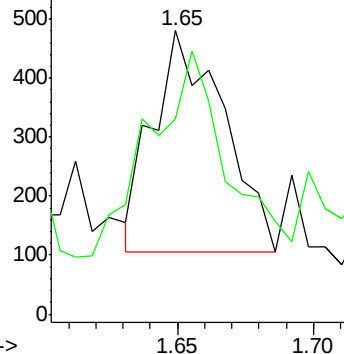
94 100

96 46.5 73.7 110.5#

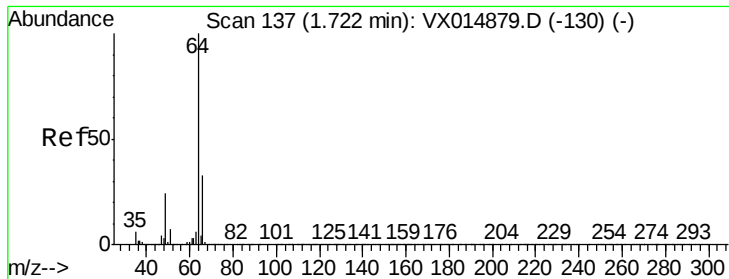


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.25 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.02 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

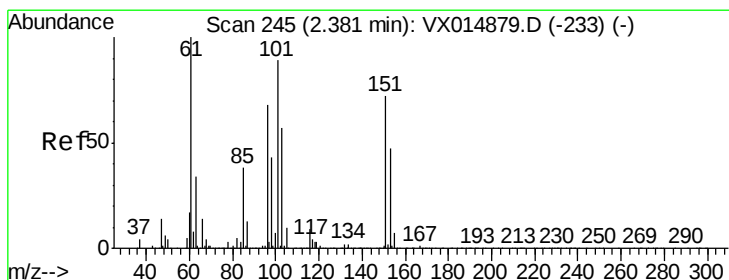
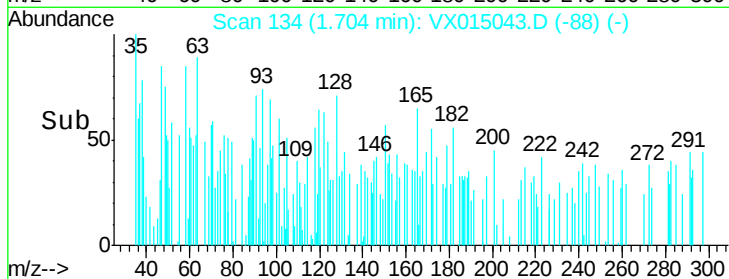
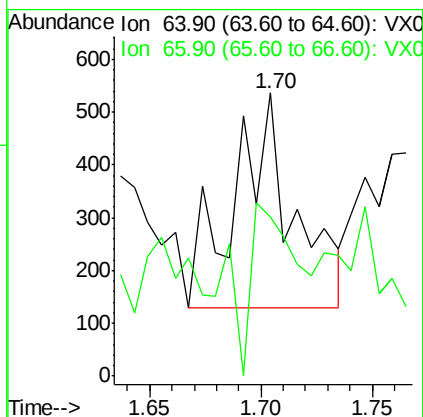
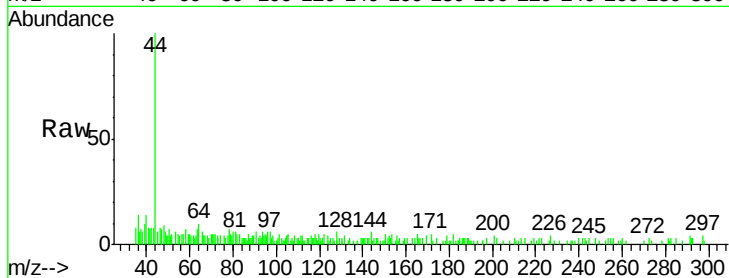
INTERCEPTOR-20200225DL

Tgt Ion: 64 Resp: 763

Ion Ratio Lower Upper

64 100

66 19.2 26.2 39.4#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.26 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

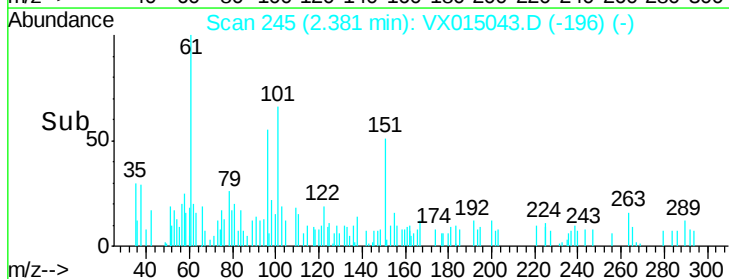
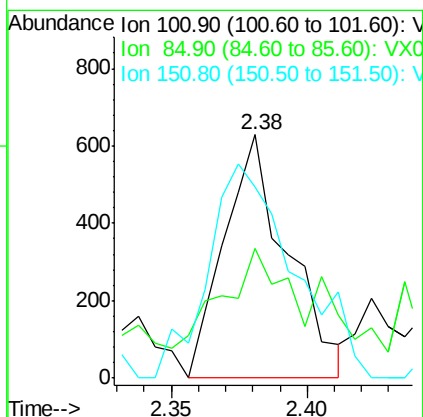
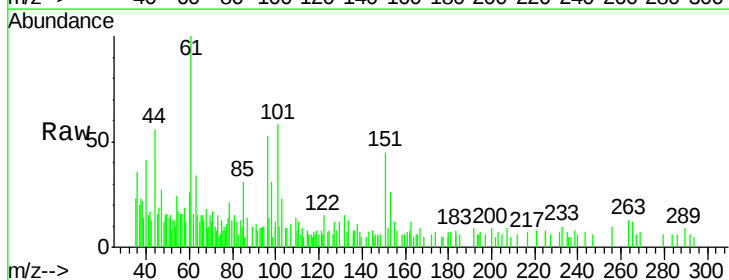
Tgt Ion: 101 Resp: 1013

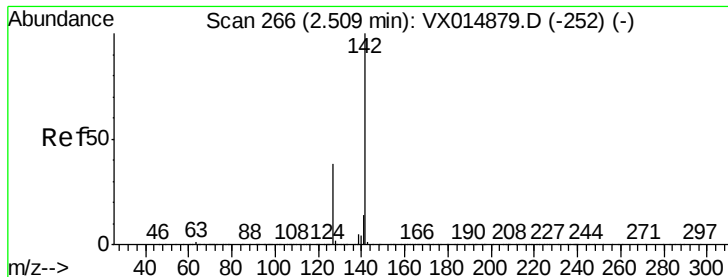
Ion Ratio Lower Upper

101 100

85 61.8 34.1 51.1#

151 121.3 67.3 100.9#

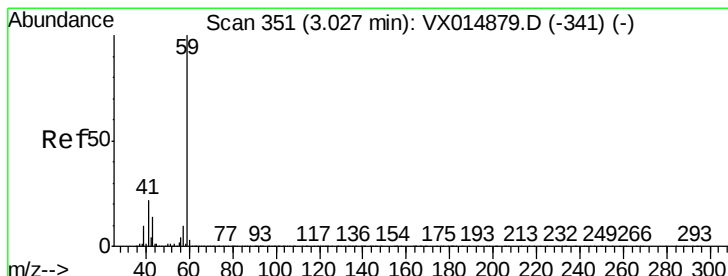
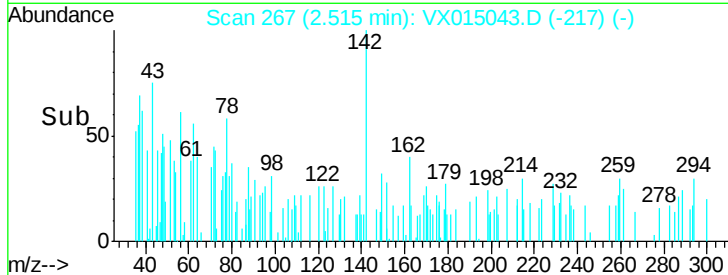
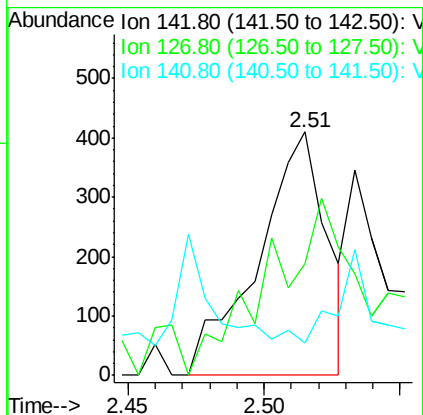
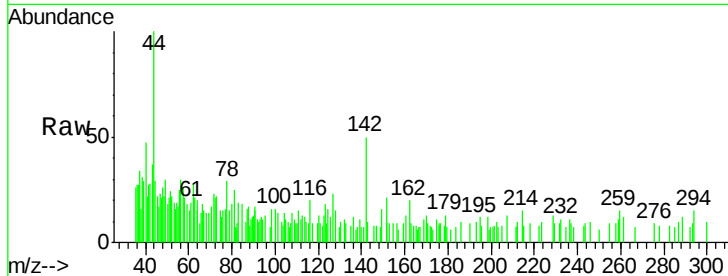




#10
Methyl Iodide
Concen: 4.52 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX015043.D
Acq: 27 Feb 2020 13:21

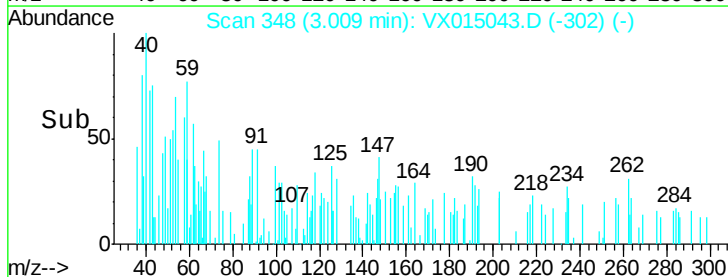
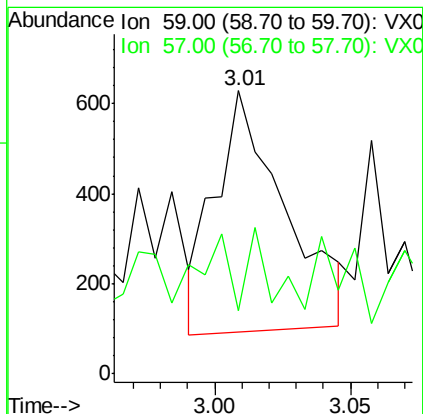
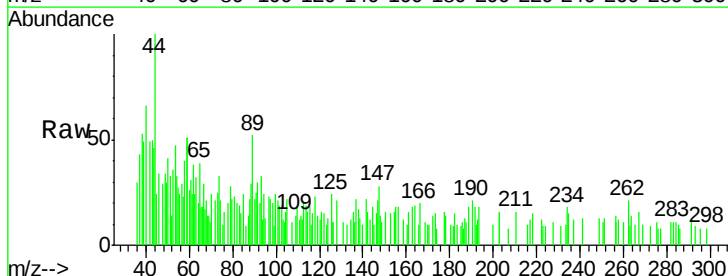
Instrument :
MSVOA_X
ClientSampleId :
INTERCEPTOR-20200225DL

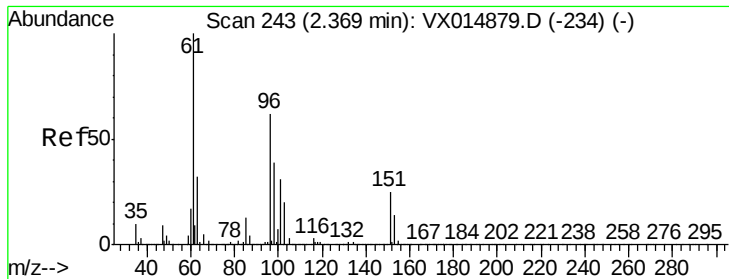
Tgt Ion: 142 Resp: 717
Ion Ratio Lower Upper
142 100
127 87.4 31.1 46.7#
141 34.4 11.3 16.9#



#11
Tert butyl alcohol
Concen: 1.17 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX015043.D
Acq: 27 Feb 2020 13:21

Tgt Ion: 59 Resp: 956
Ion Ratio Lower Upper
59 100
57 13.6 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 0.57 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200225DL

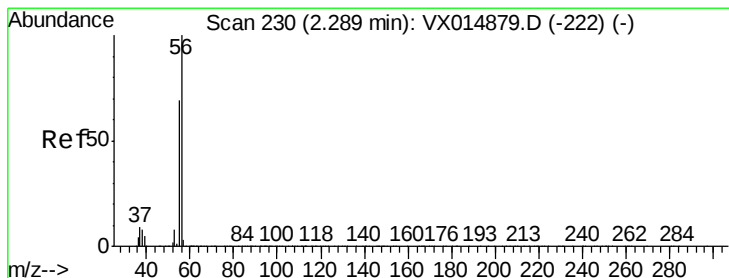
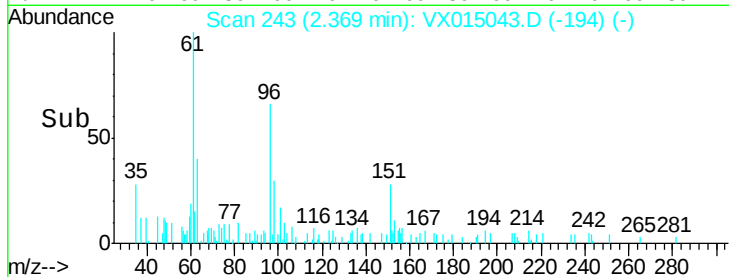
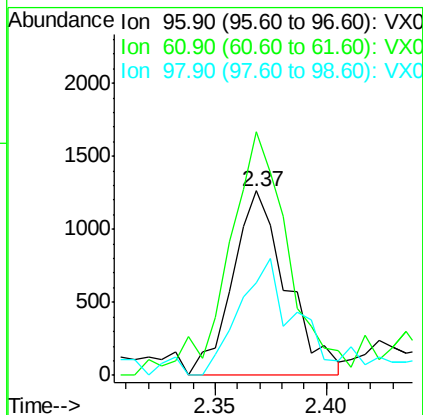
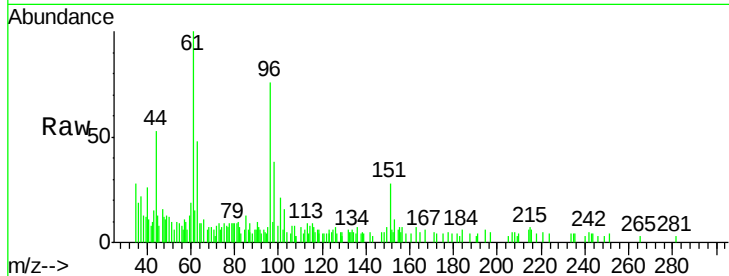
Tgt Ion: 96 Resp: 2132

Ion Ratio Lower Upper

96 100

61 118.6 129.5 194.3#

98 50.1 50.6 76.0#



#13

Acrolein

Concen: 1.11 ug/l

RT: 2.25 min Scan# 224

Delta R.T. -0.04 min

Lab File: VX015043.D

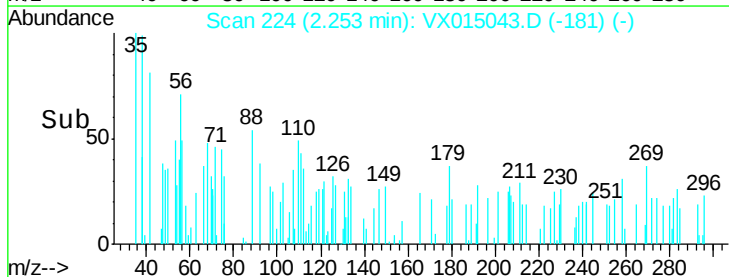
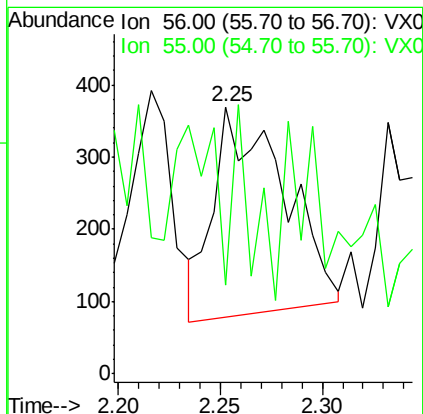
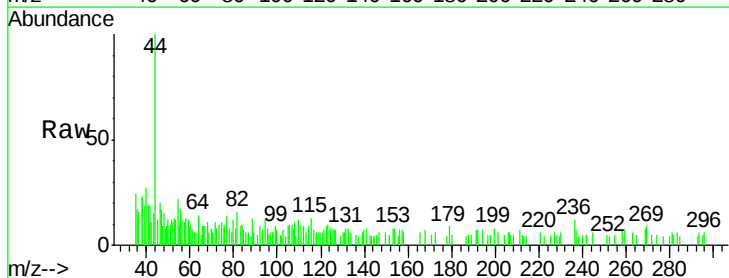
Acq: 27 Feb 2020 13:21

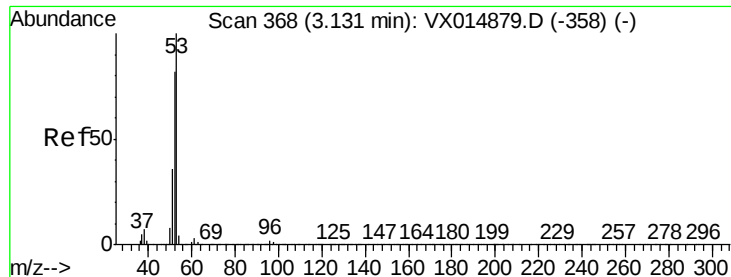
Tgt Ion: 56 Resp: 692

Ion Ratio Lower Upper

56 100

55 73.6 55.0 82.4





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

Instrument :

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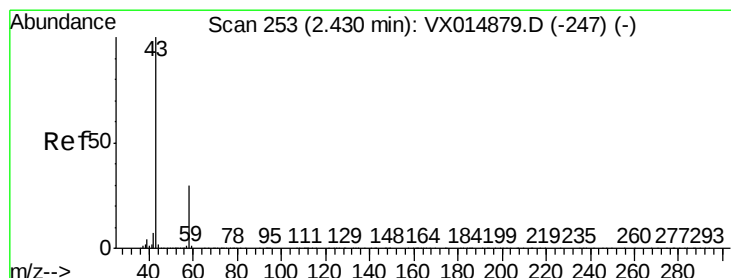
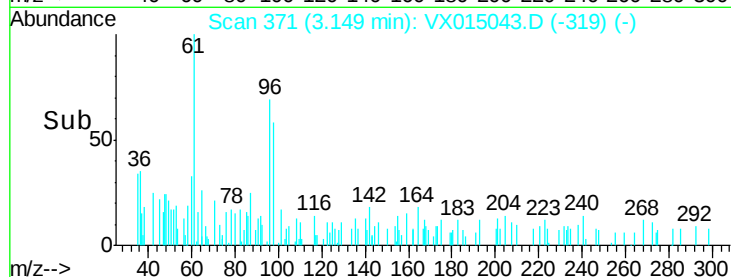
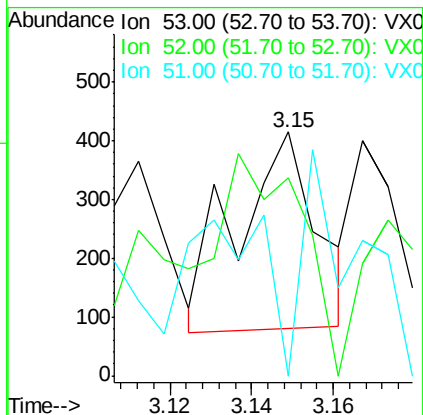
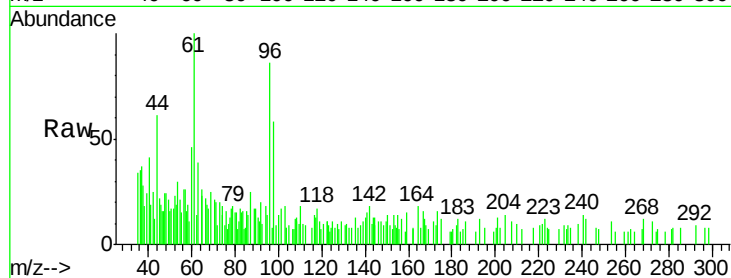
Tgt Ion: 53 Resp: 460

Ion Ratio Lower Upper

53 100

52 0.0 65.8 98.6#

51 77.4 29.1 43.7#



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX015043.D

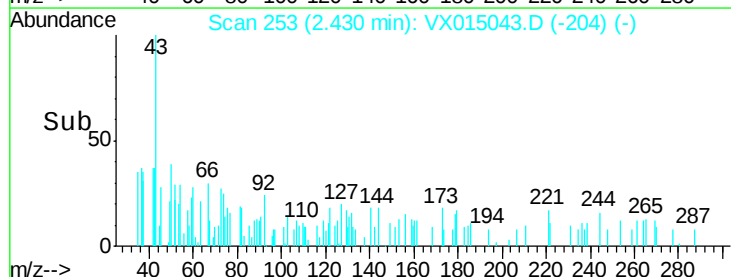
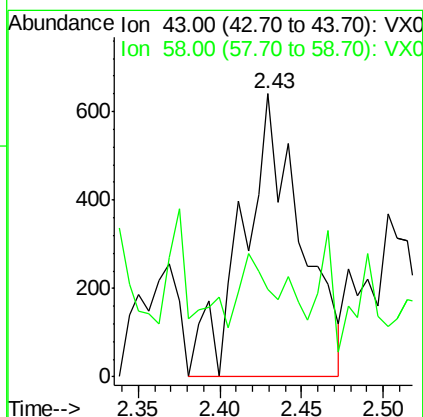
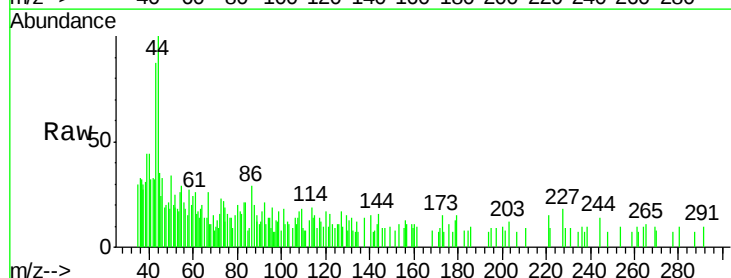
Acq: 27 Feb 2020 13:21

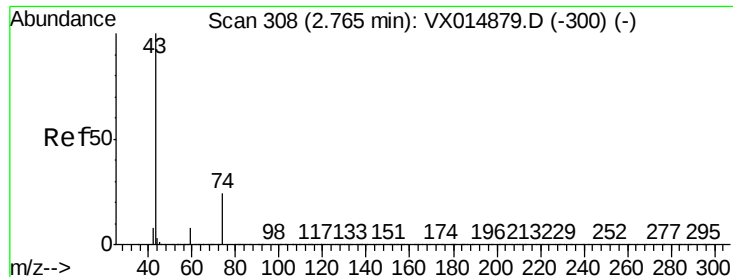
Tgt Ion: 43 Resp: 1571

Ion Ratio Lower Upper

43 100

58 10.3 24.1 36.1#

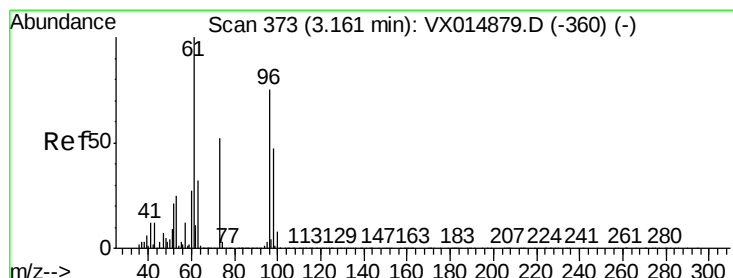
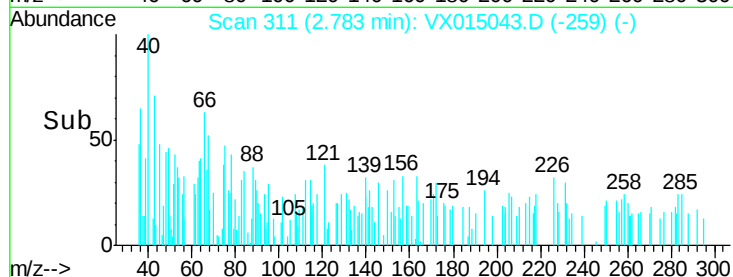
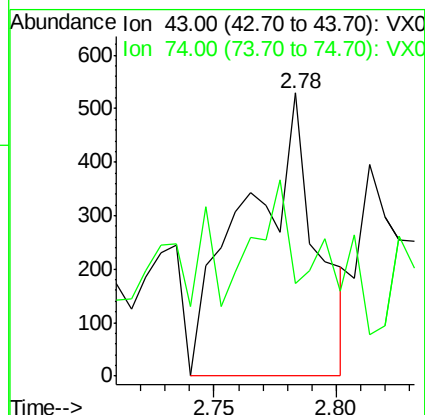
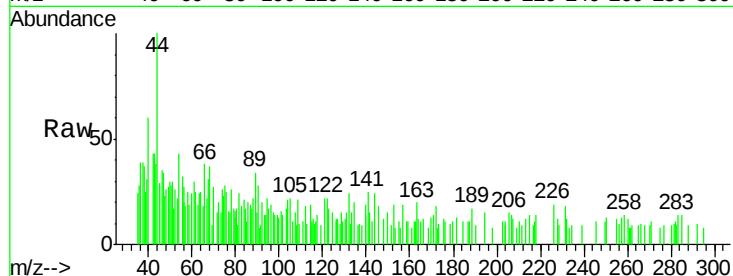




#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 2.78 min Scan# 311
Delta R.T. 0.02 min
Lab File: VX015043.D
Acq: 27 Feb 2020 13:21

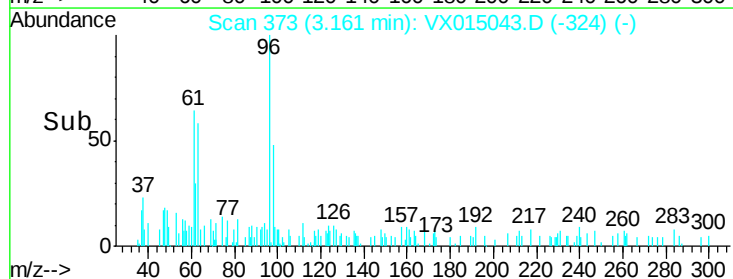
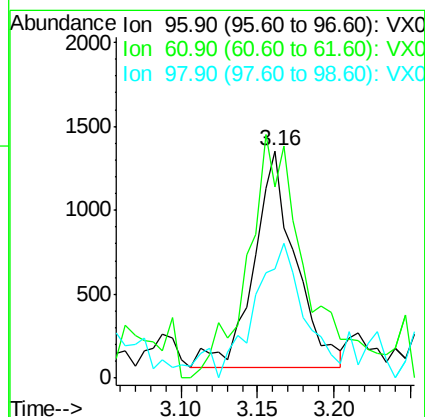
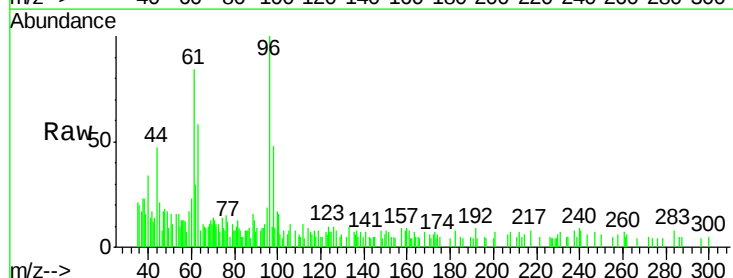
Instrument :
MSVOA_X
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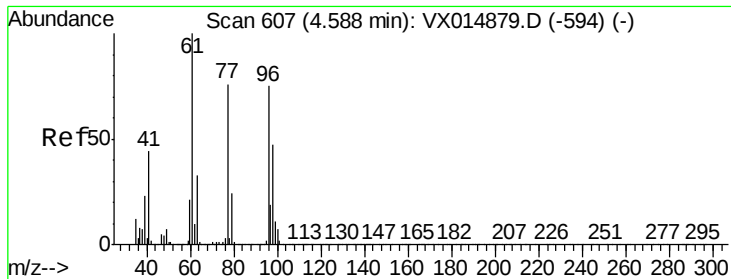
Tgt Ion: 43 Resp: 1054
Ion Ratio Lower Upper
43 100
74 25.1 19.4 29.0



#21
trans-1,2-Dichloroethene
Concen: 0.59 ug/l
RT: 3.16 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX015043.D
Acq: 27 Feb 2020 13:21

Tgt Ion: 96 Resp: 2460
Ion Ratio Lower Upper
96 100
61 87.9 106.9 160.3#
98 44.7 50.7 76.1#



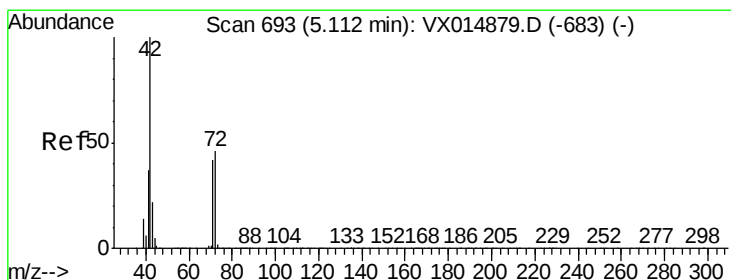
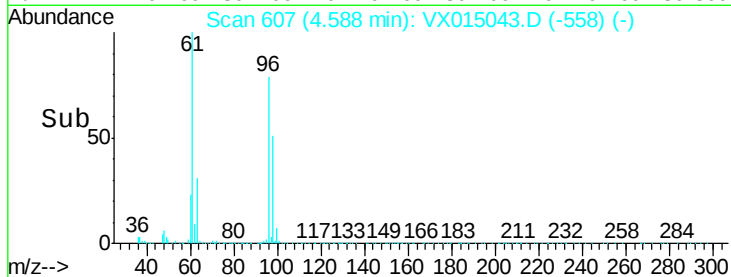
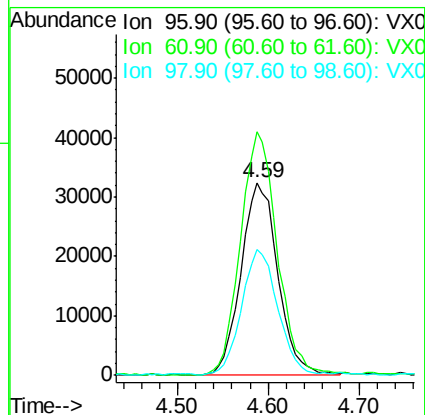
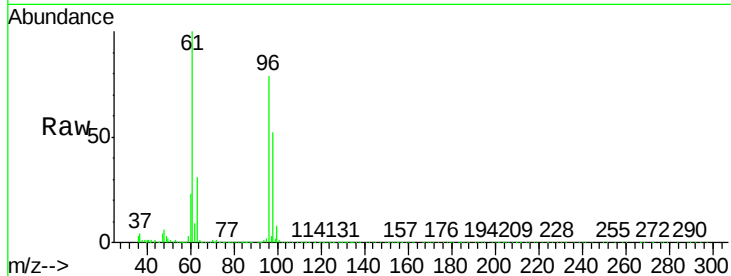


#27

cis-1,2-Dichloroethene
Concen: 19.42 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX015043.D
Acq: 27 Feb 2020 13:21

Instrument :
MSVOA_X
ClientSampleId :
INTERCEPTOR-20200225DL

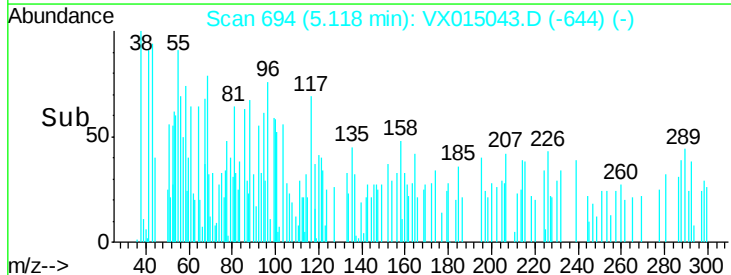
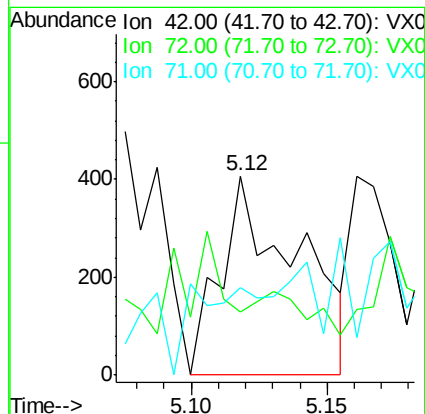
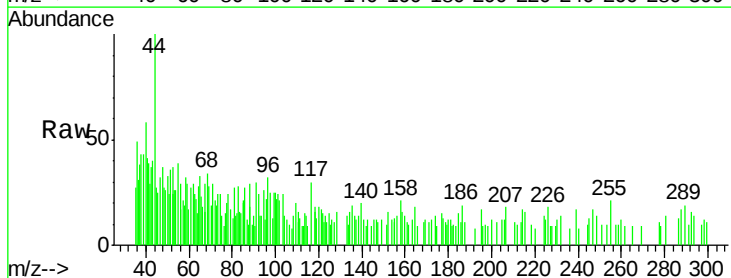
Tgt Ion: 96 Resp: 90021
Ion Ratio Lower Upper
96 100
61 128.9 0.0 286.2
98 64.1 0.0 131.0

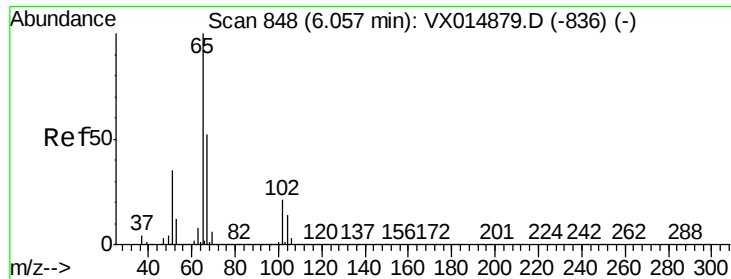


#29

Tetrahydrofuran
Concen: 0.45 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX015043.D
Acq: 27 Feb 2020 13:21

Tgt Ion: 42 Resp: 797
Ion Ratio Lower Upper
42 100
72 24.5 36.9 55.3#
71 0.0 34.1 51.1#





#33

1,2-Dichloroethane-d4

Concen: 50.93 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

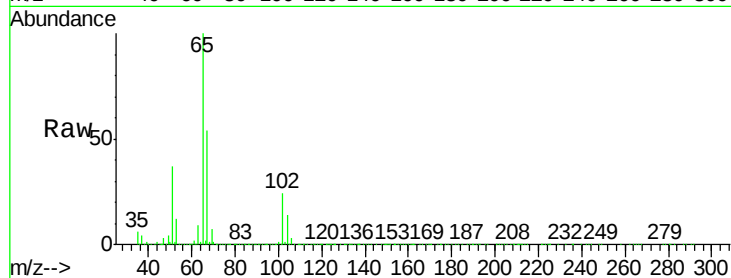
INTERCEPTOR-20200225DL

Tgt Ion: 65 Resp: 235663

Ion Ratio Lower Upper

65 100

67 53.9 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

100000

80000

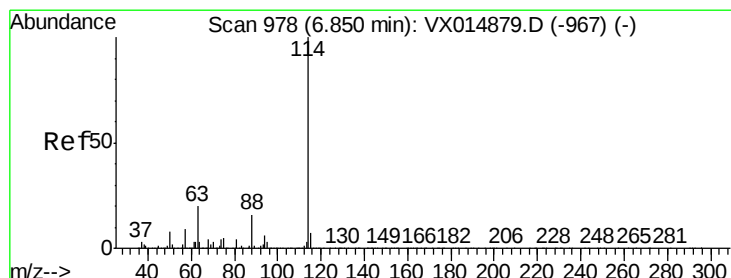
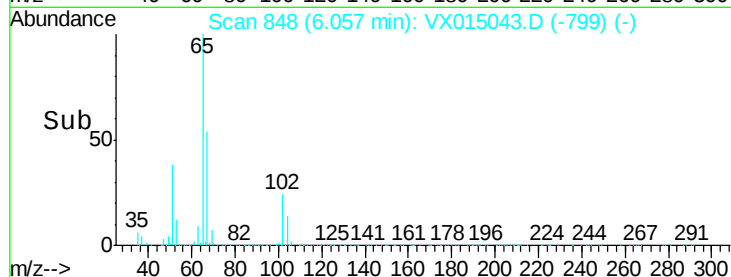
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

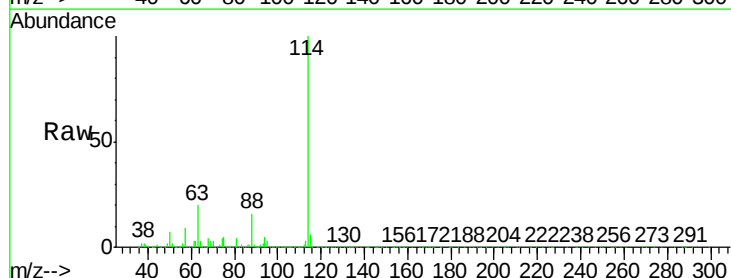
Tgt Ion: 114 Resp: 652586

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 15.8 0.0 32.0



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

6.86

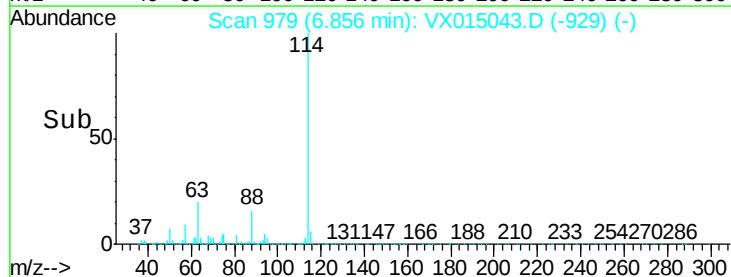
300000

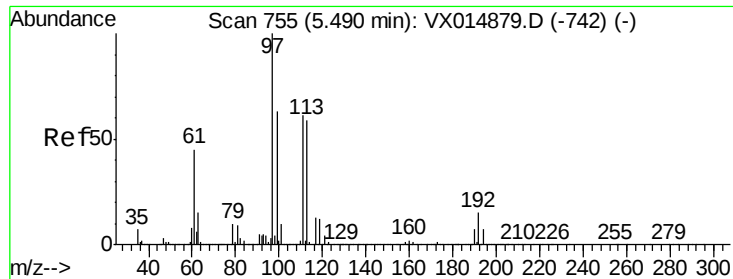
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.03 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200225DL

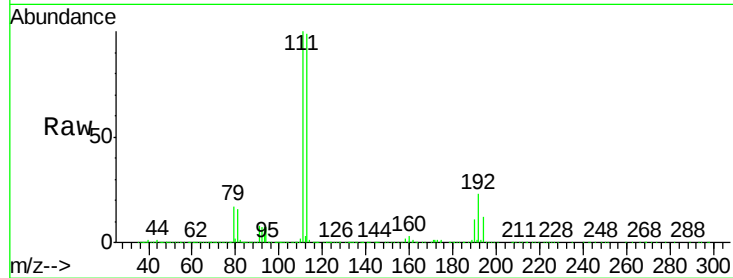
Tgt Ion:113 Resp: 200718

Ion Ratio Lower Upper

113 100

111 101.3 82.4 123.6

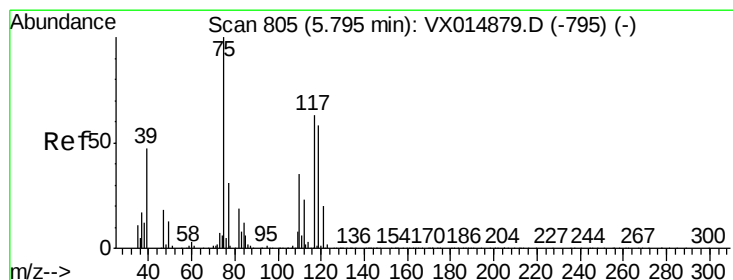
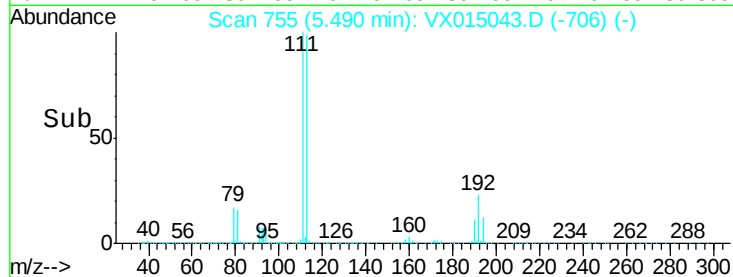
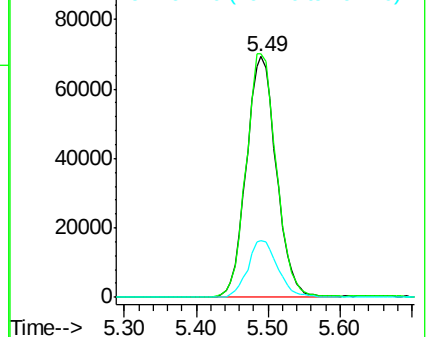
192 23.5 19.1 28.7



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: 4.74 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

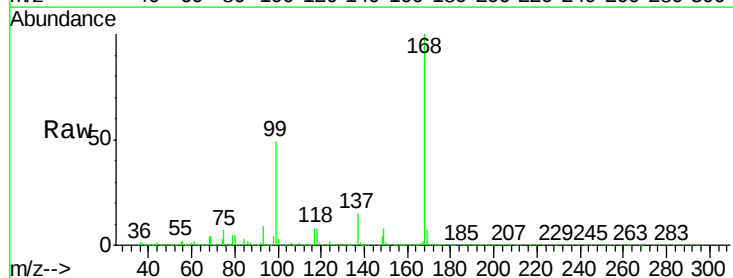
Tgt Ion: 75 Resp: 27644

Ion Ratio Lower Upper

75 100

110 0.0 18.3 54.8#

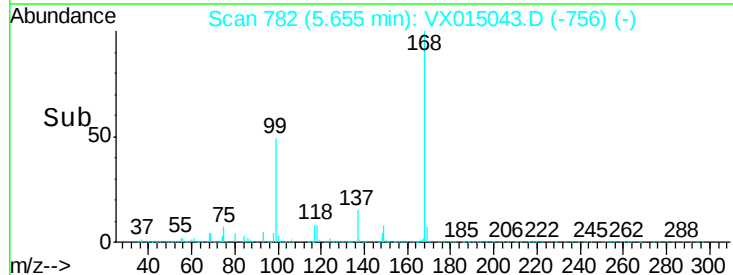
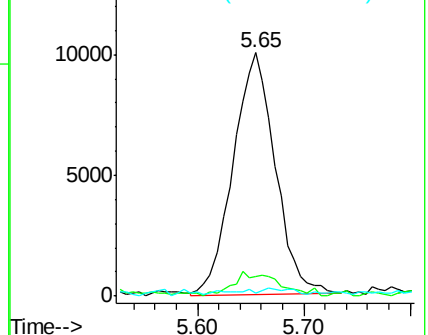
77 2.1 24.6 36.8#

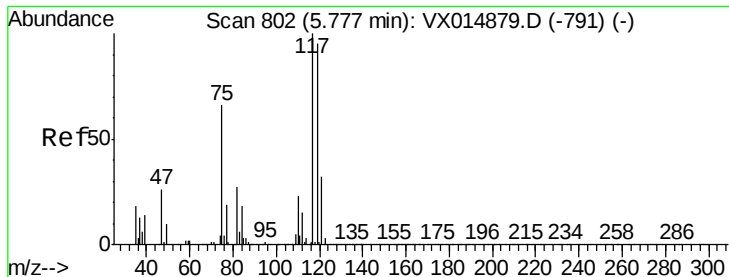


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.24 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200225DL

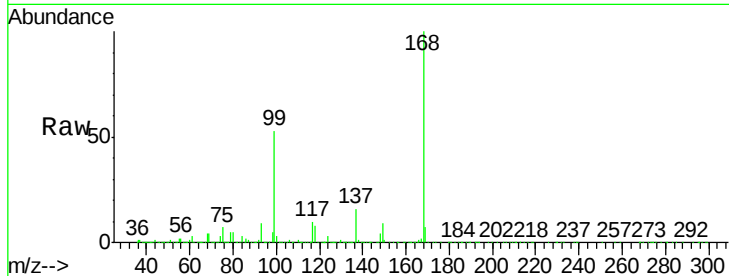
Tgt Ion:117 Resp: 35489

Ion Ratio Lower Upper

117 100

119 3.8 76.0 114.0#

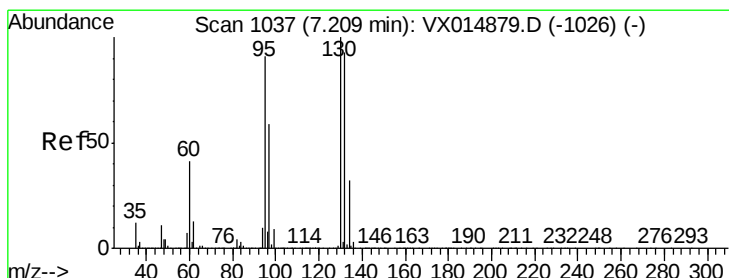
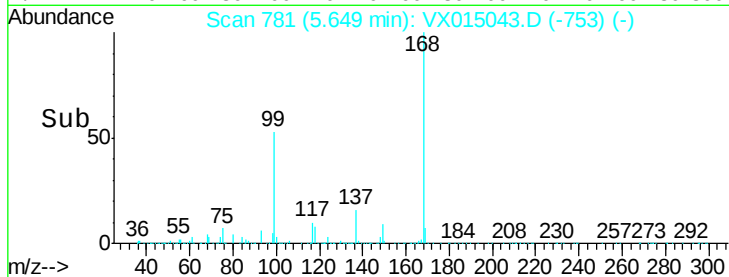
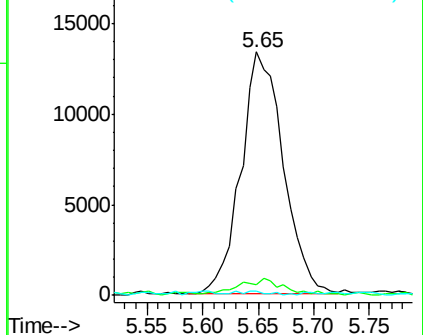
121 0.4 25.4 38.2#



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



#44

Trichloroethene

Concen: 89.10 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX015043.D

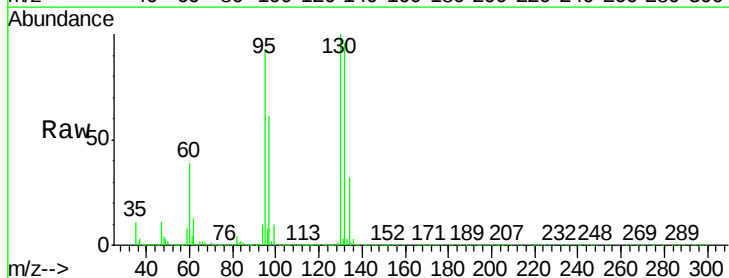
Acq: 27 Feb 2020 13:21

Tgt Ion:130 Resp: 451154

Ion Ratio Lower Upper

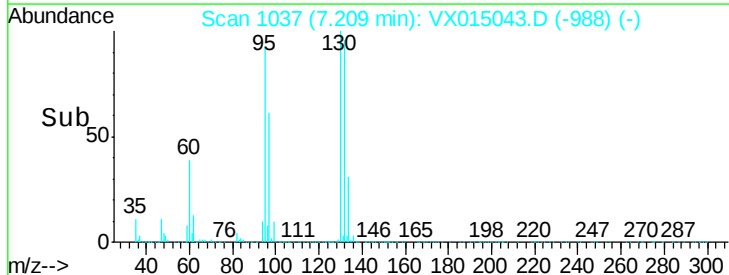
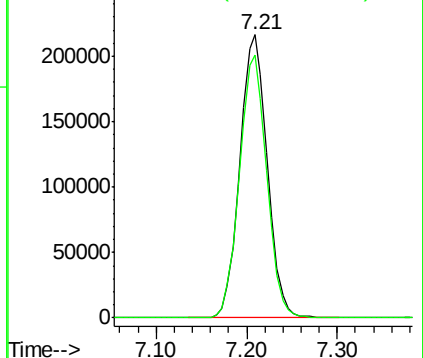
130 100

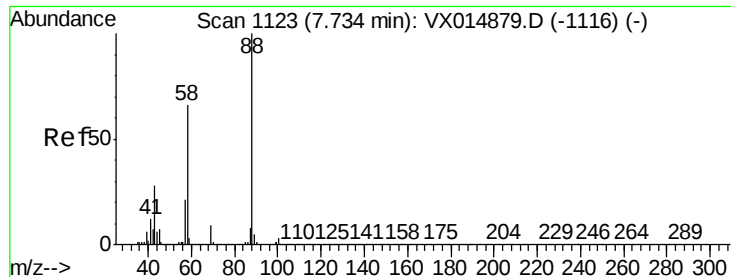
95 92.8 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

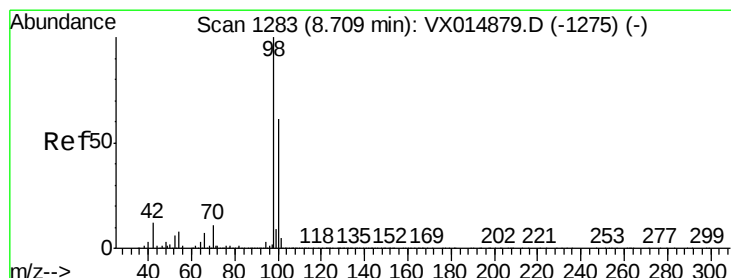
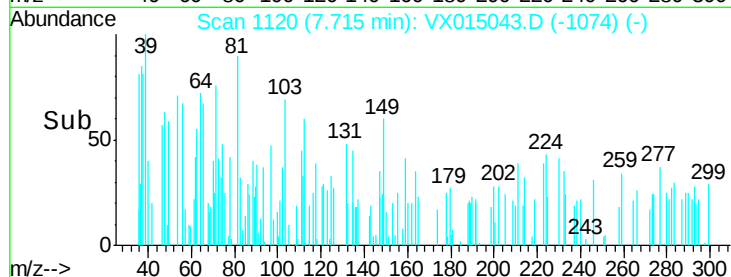
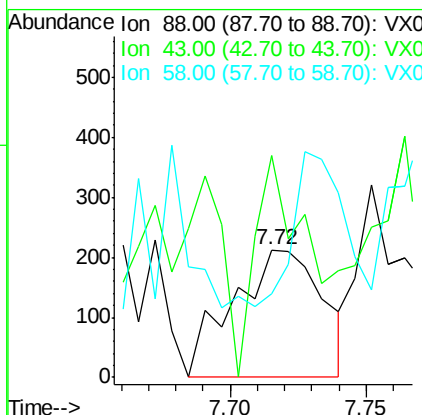
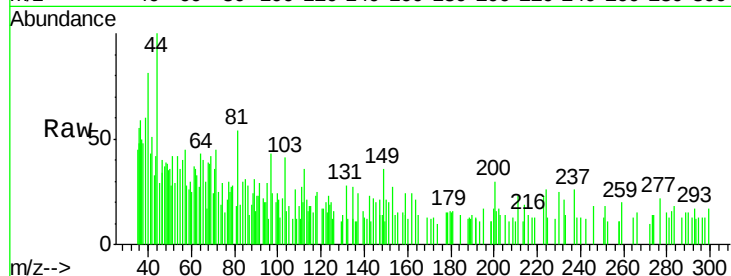




#49
1,4-Dioxane
Concen: 5.24 ug/l
RT: 7.72 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VX015043.D
Acq: 27 Feb 2020 13:21

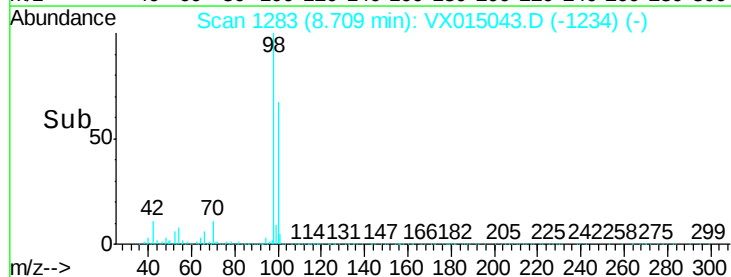
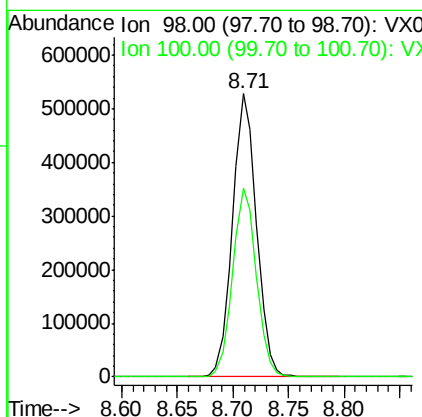
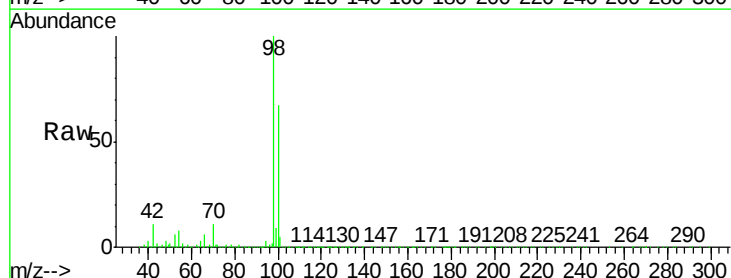
Instrument :
MSVOA_X
ClientSampleId :
INTERCEPTOR-20200225DL

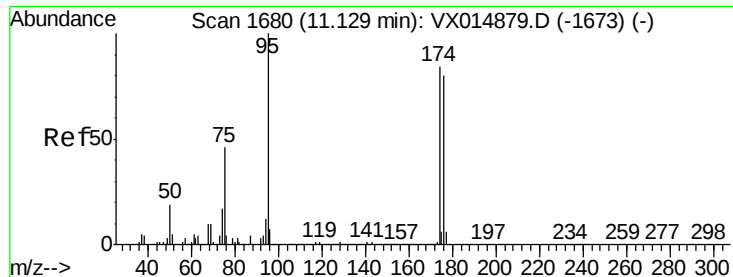
Tgt Ion: 88 Resp: 484
Ion Ratio Lower Upper
88 100
43 108.9 27.0 40.4#
58 82.4 53.2 79.8#



#50
Toluene-d8
Concen: 51.51 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX015043.D
Acq: 27 Feb 2020 13:21

Tgt Ion: 98 Resp: 788883
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 52.13 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200225DL

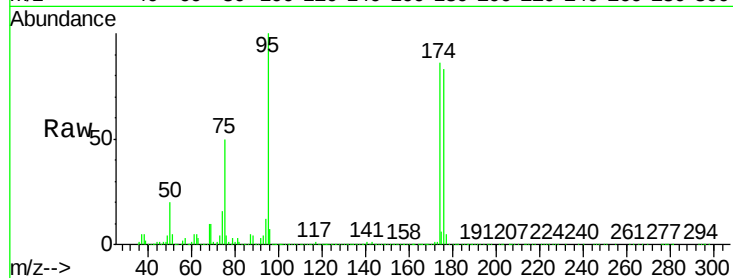
Tgt Ion: 95 Resp: 287554

Ion Ratio Lower Upper

95 100

174 93.4 0.0 183.0

176 90.0 0.0 178.0

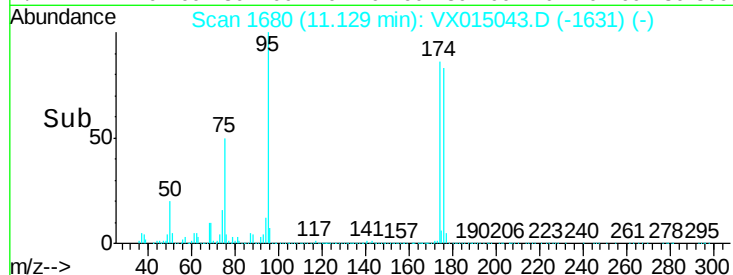


Abundance Ion 94.90 (94.60 to 95.60): VX014879.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014879.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014879.D (-1673) (-)

Time-->



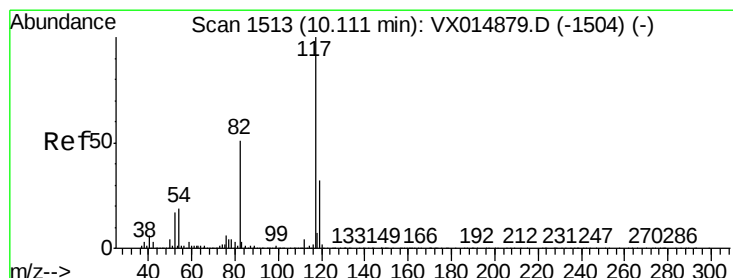
Abundance

Ion 94.90 (94.60 to 95.60): VX015043.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX015043.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX015043.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

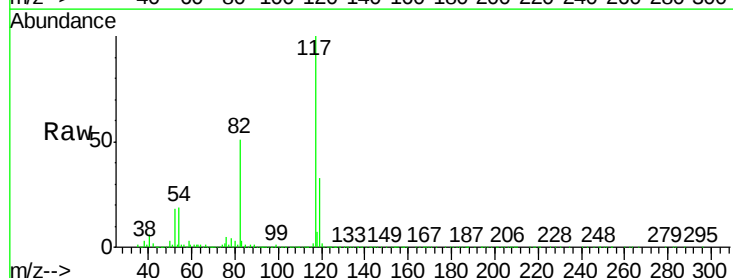
Tgt Ion: 117 Resp: 633692

Ion Ratio Lower Upper

117 100

82 51.1 40.5 60.7

119 33.2 25.8 38.6

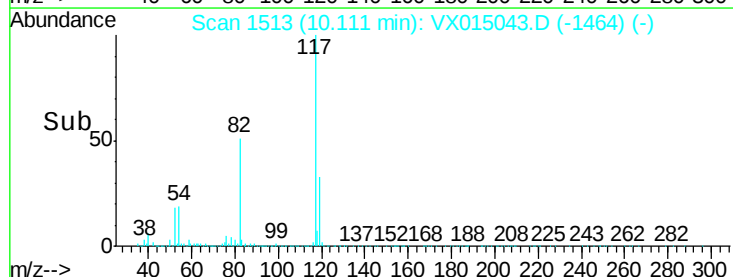


Abundance Ion 116.90 (116.60 to 117.60): VX014879.D (-1504) (-)

Ion 82.00 (81.70 to 82.70): VX014879.D (-1504) (-)

Ion 118.90 (118.60 to 119.60): VX014879.D (-1504) (-)

Time-->



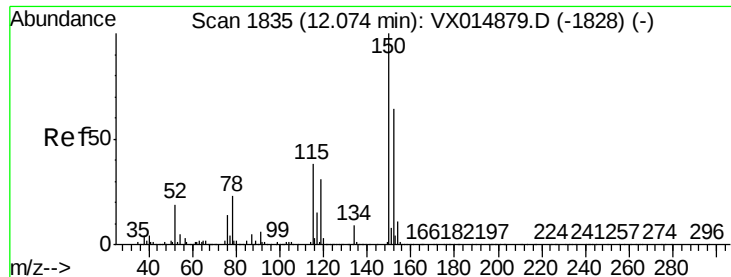
Abundance

Ion 116.90 (116.60 to 117.60): VX015043.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX015043.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX015043.D (-1464) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200225DL

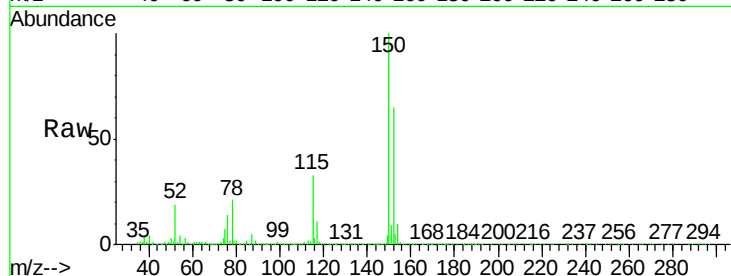
Tgt Ion:152 Resp: 322803

Ion Ratio Lower Upper

152 100

115 53.8 38.6 116.0

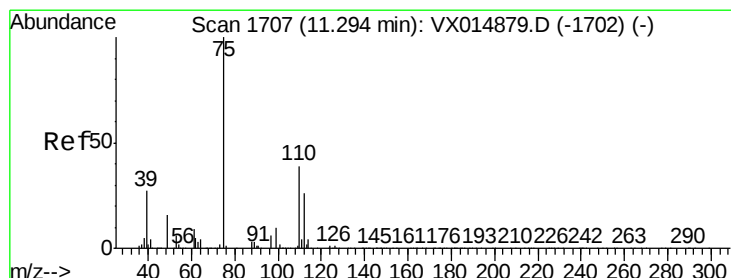
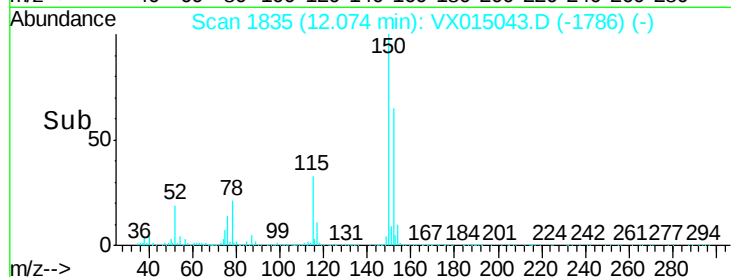
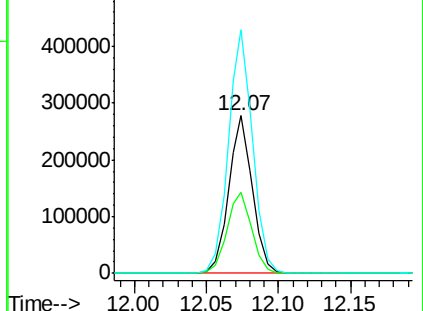
150 156.6 0.0 349.0



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: 24.32 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015043.D

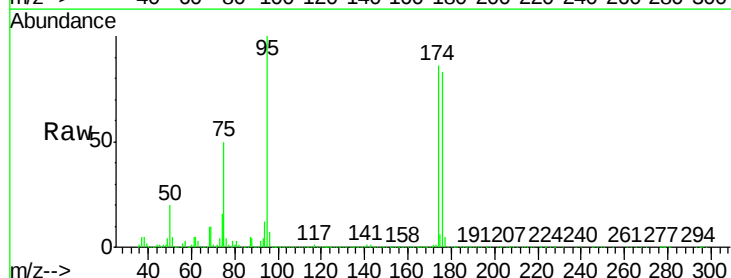
Acq: 27 Feb 2020 13:21

Tgt Ion: 75 Resp: 141993

Ion Ratio Lower Upper

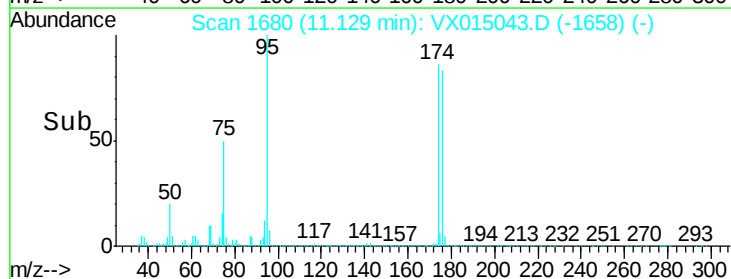
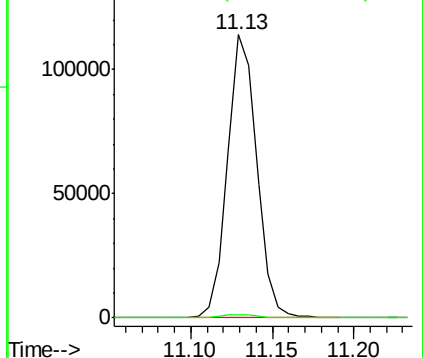
75 100

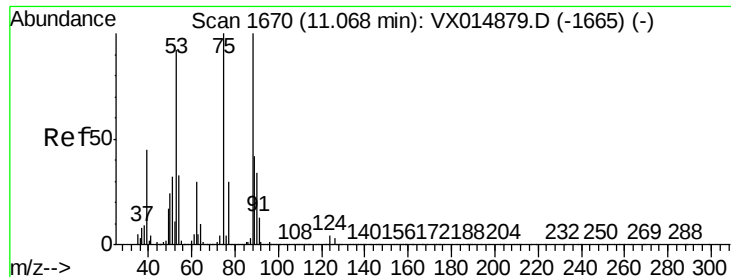
77 1.4 18.4 55.0#



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: 62.26 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015043.D

Acq: 27 Feb 2020 13:21

Instrument :

MSVOA_X

ClientSampleId :

INTERCEPTOR-20200225DL

Tgt Ion: 75 Resp: 141993

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 35.8 53.6#

