

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX081919\
 Data File : VX011625.D
 Acq On : 19 Aug 2019 12:34
 Operator : JC/SP
 Sample : K4368-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0140

Quant Time: Aug 20 09:37:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	452502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	617707	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	544656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	266969	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	212492	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
35) Dibromofluoromethane	5.49	113	181512	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	
50) Toluene-d8	8.71	98	668580	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
62) 4-Bromofluorobenzene	11.13	95	243253	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	

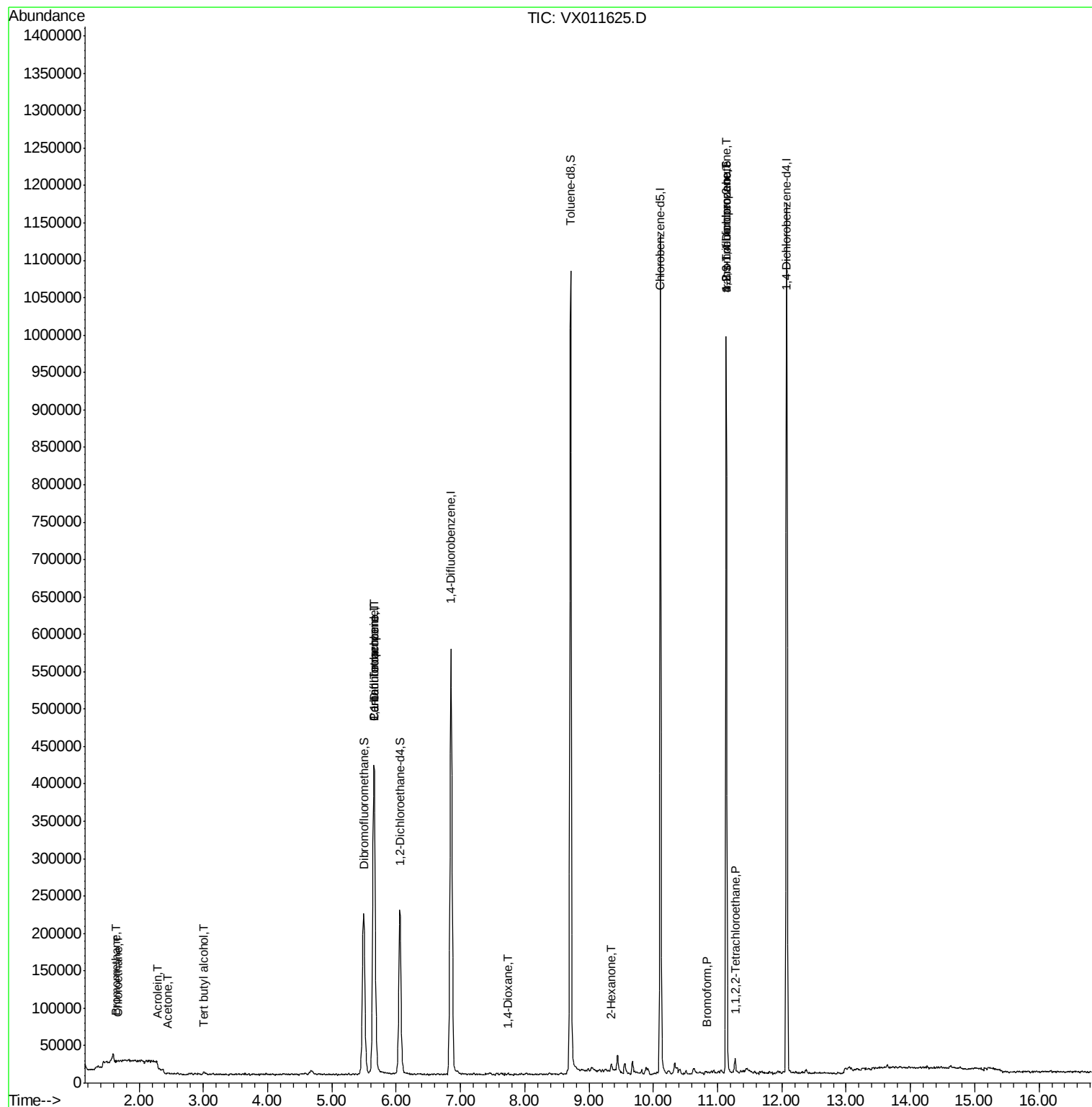
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	544	0.291	ug/l #	74
6) Chloroethane	1.66	64	436	0.221	ug/l #	69
11) Tert butyl alcohol	3.01	59	2510	2.438	ug/l	100
13) Acrolein	2.29	56	250	12.935	ug/l #	15
16) Acetone	2.44	43	1386	0.657	ug/l	96
36) 1,1-Dichloropropene	5.65	75	25459	4.821	ug/l #	50
38) Carbon Tetrachloride	5.65	117	37443	6.435	ug/l #	16
49) 1,4-Dioxane	7.73	88	154	1.233	ug/l #	1
59) 2-Hexanone	9.35	43	1993	0.417	ug/l	64
71) Bromoform	10.84	173	136	3.322	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	11.27	83	1734	0.291	ug/l #	42
76) 1,2,3-Trichloropropane	11.13	75	112112	22.146	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	112112	59.096	ug/l #	11

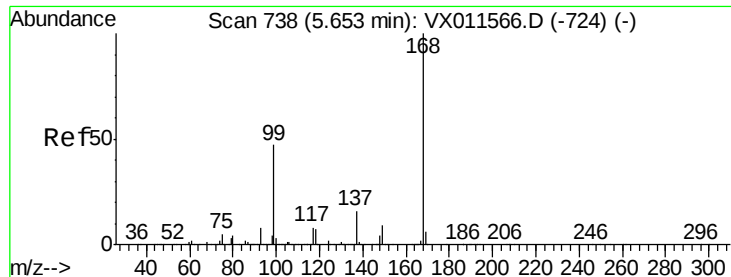
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

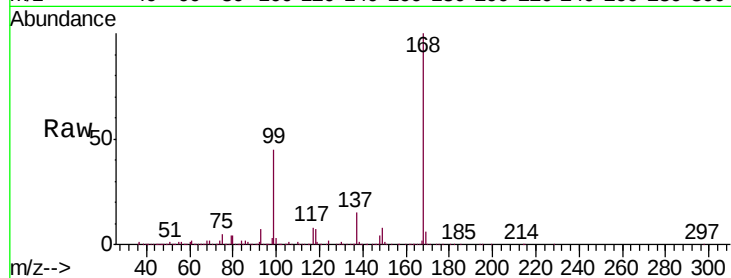
PH2-0140

Tgt Ion:168 Resp: 452502

Ion Ratio Lower Upper

168 100

99 45.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

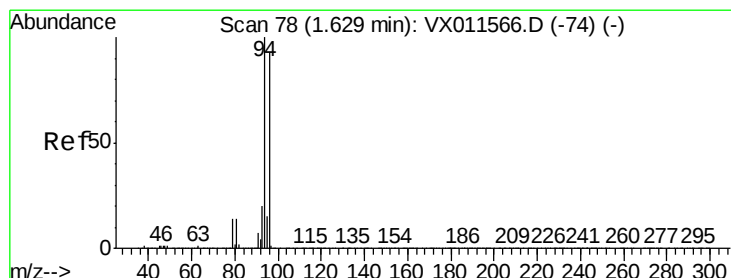
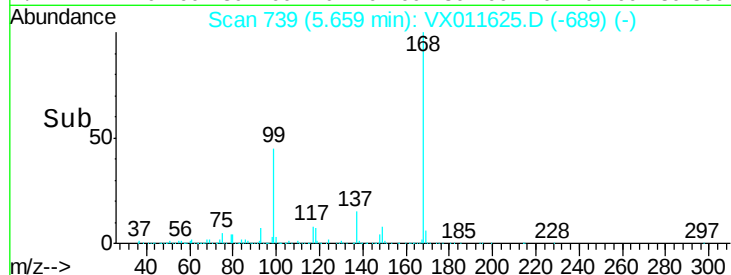
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.291 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011625.D

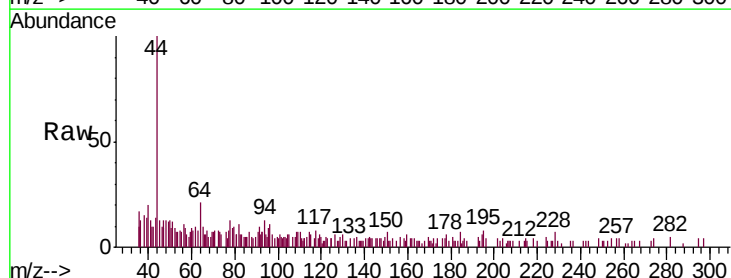
Acq: 19 Aug 2019 12:34

Tgt Ion: 94 Resp: 544

Ion Ratio Lower Upper

94 100

96 118.4 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

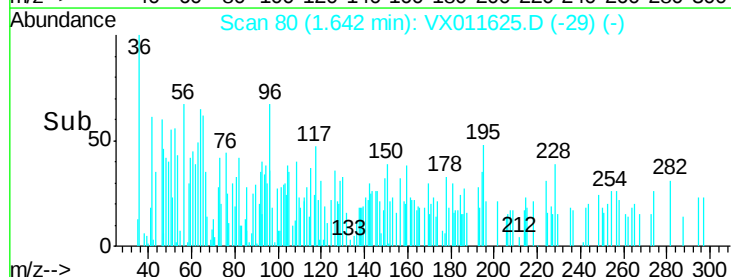
300

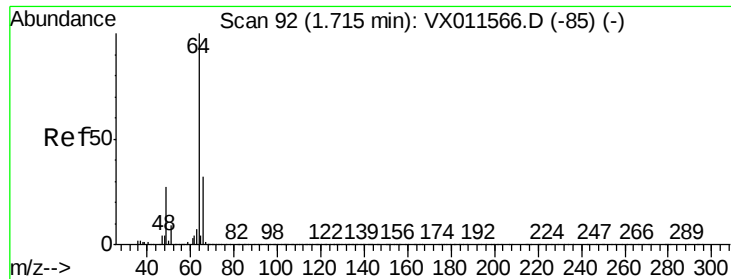
200

100

0

Time-->





#6

Chloroethane

Concen: 0.221 ug/l

RT: 1.66 min Scan# 83

Delta R.T. -0.05 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

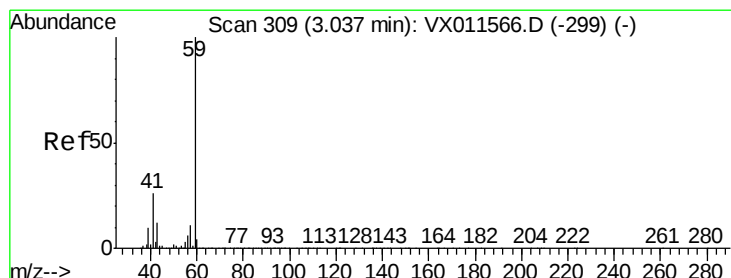
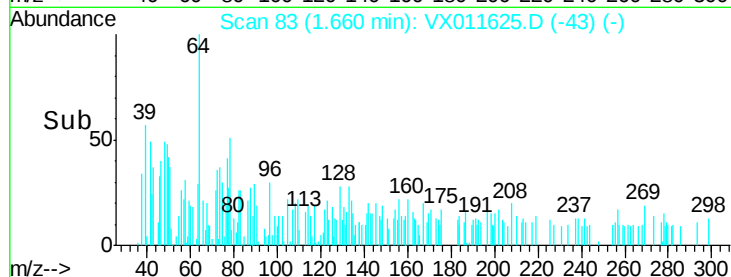
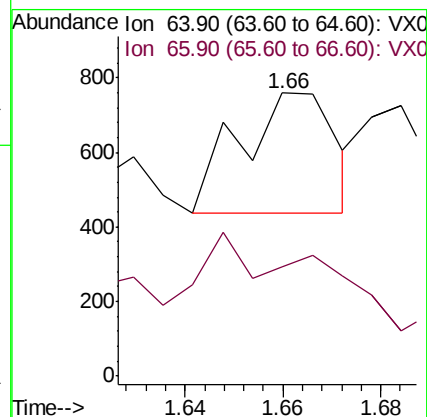
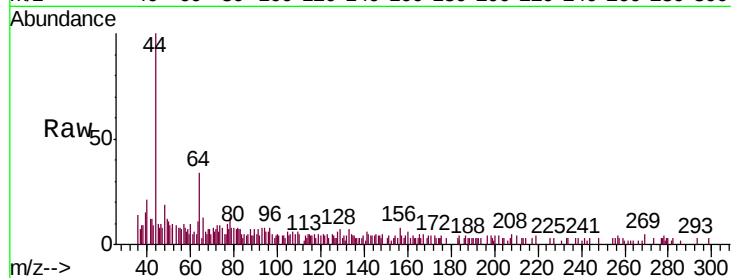
PH2-0140

Tgt Ion: 64 Resp: 436

Ion Ratio Lower Upper

64 100

66 14.3 25.3 37.9#



#11

Tert butyl alcohol

Concen: 2.438 ug/l

RT: 3.01 min Scan# 304

Delta R.T. -0.03 min

Lab File: VX011625.D

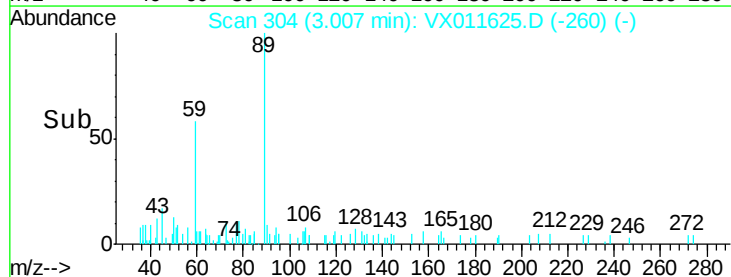
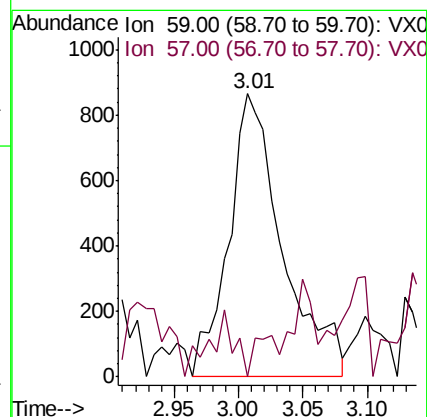
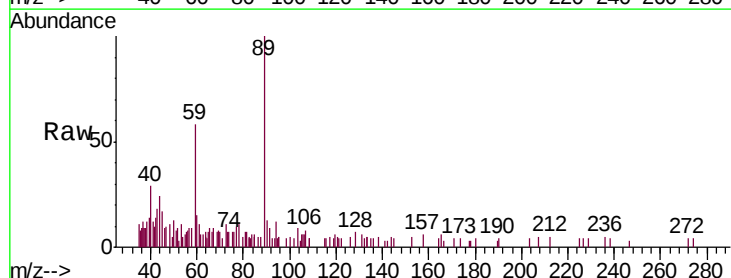
Acq: 19 Aug 2019 12:34

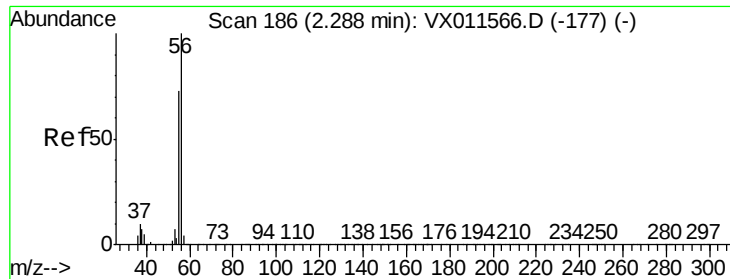
Tgt Ion: 59 Resp: 2510

Ion Ratio Lower Upper

59 100

57 10.8 8.7 13.1





#13

Acrolein

Concen: 12.935 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

Instrument :

MSVOA_X

ClientSampled :

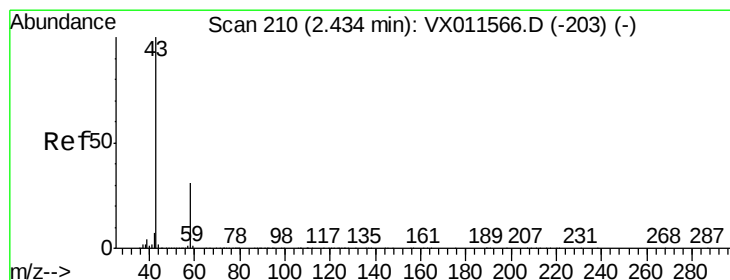
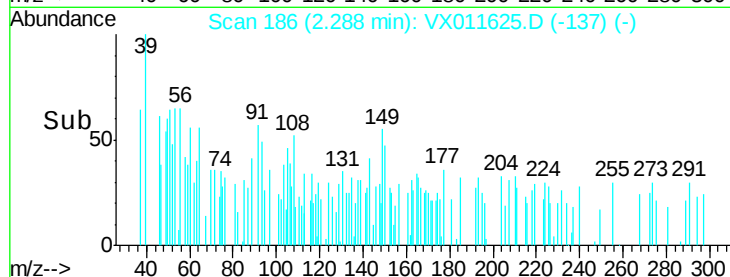
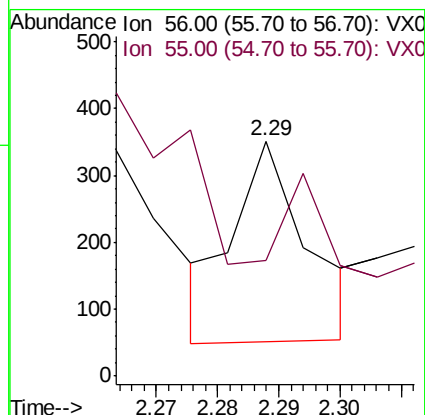
PH2-0140

Tgt Ion: 56 Resp: 250

Ion Ratio Lower Upper

56 100

55 0.0 55.5 83.3#



#16

Acetone

Concen: 0.657 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011625.D

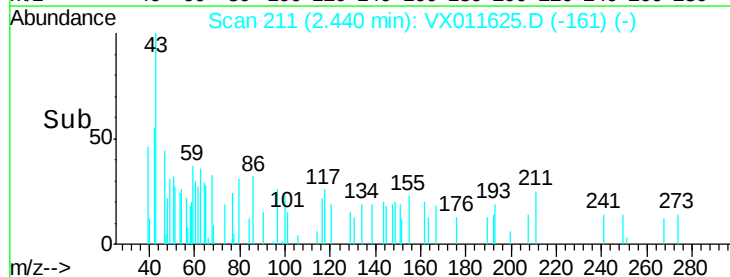
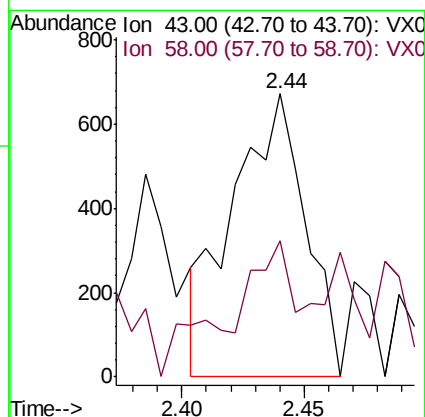
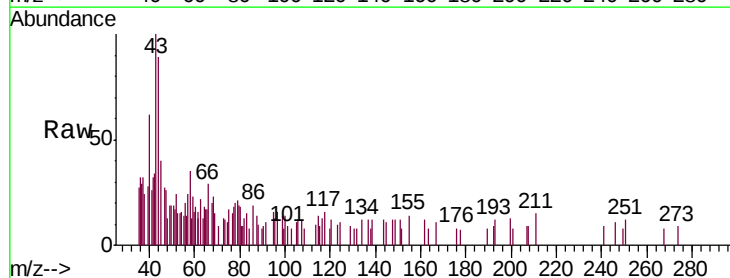
Acq: 19 Aug 2019 12:34

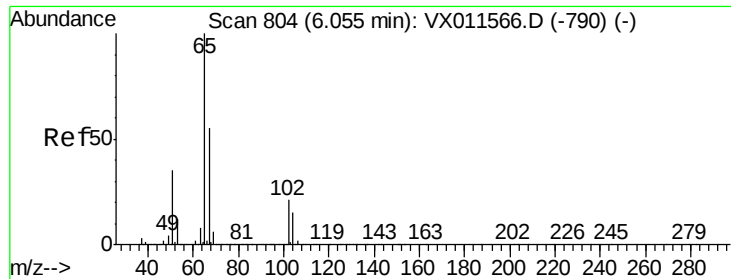
Tgt Ion: 43 Resp: 1386

Ion Ratio Lower Upper

43 100

58 29.5 25.2 37.8

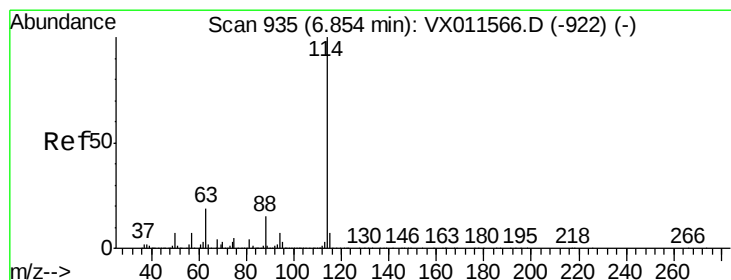
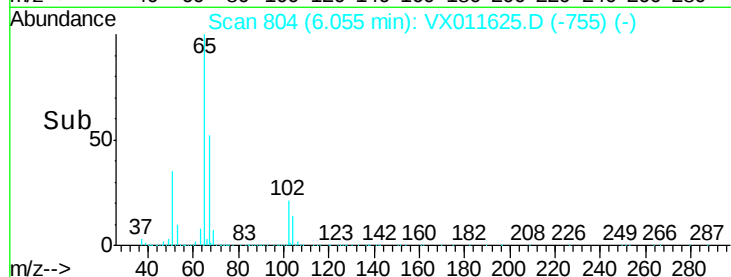
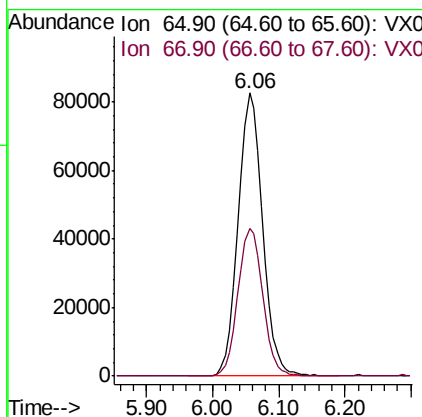
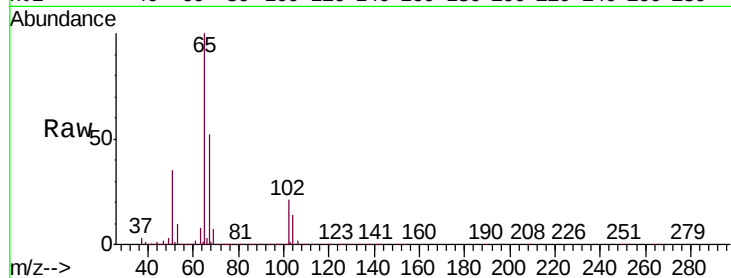




#33
 1,2-Dichloroethane-d4
 Concen: 50.637 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011625.D
 Acq: 19 Aug 2019 12:34

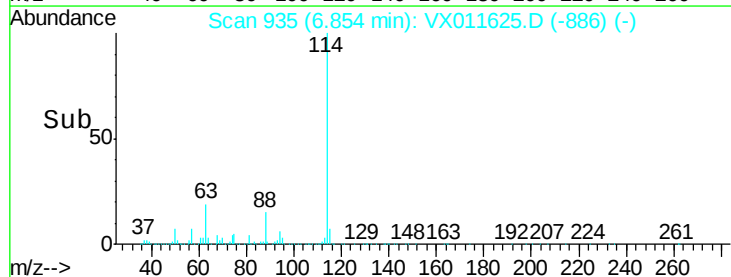
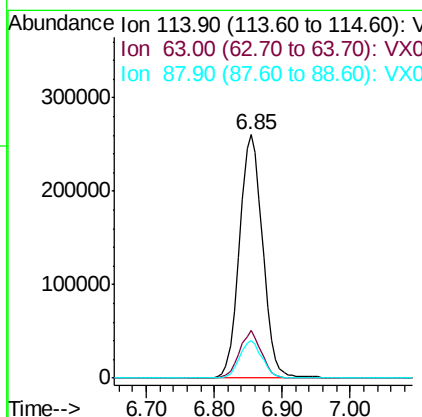
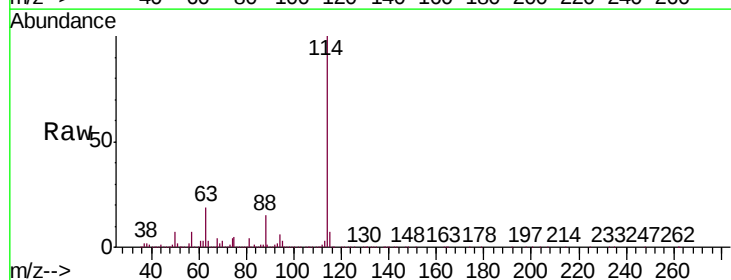
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0140

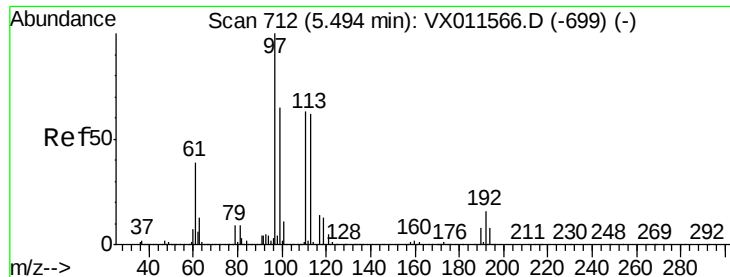
Tgt Ion: 65 Resp: 212492
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011625.D
 Acq: 19 Aug 2019 12:34

Tgt Ion: 114 Resp: 617707
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.8
 88 15.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 44.927 ug/l

RT: 5.49 min Scan# 712

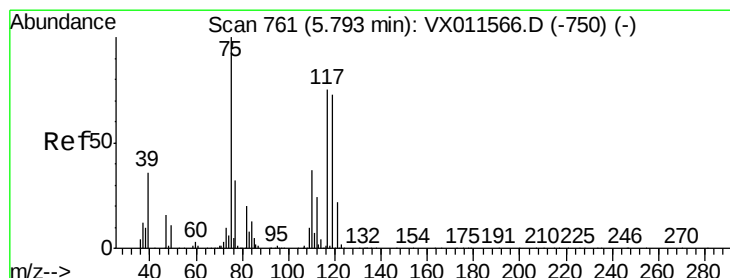
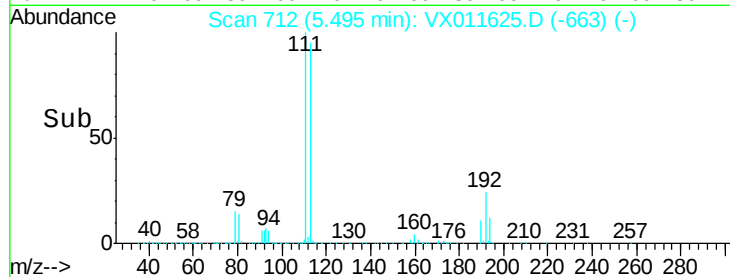
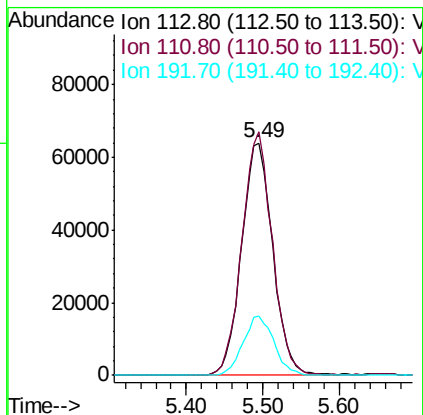
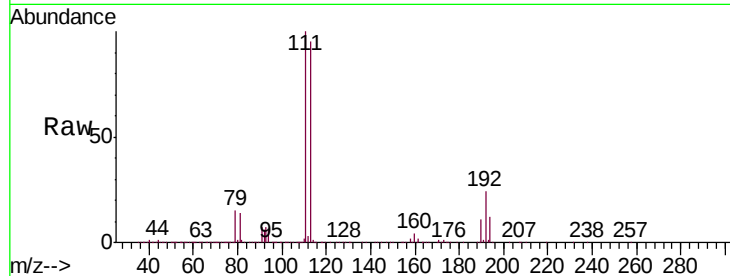
Delta R.T. 0.00 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

Instrument :
MSVOA_X
ClientSampleId :
PH2-0140

Tgt Ion:	113	Resp:	181512
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.1	121.7
192	25.2	20.8	31.2



#36

1,1-Dichloropropene

Concen: 4.821 ug/l

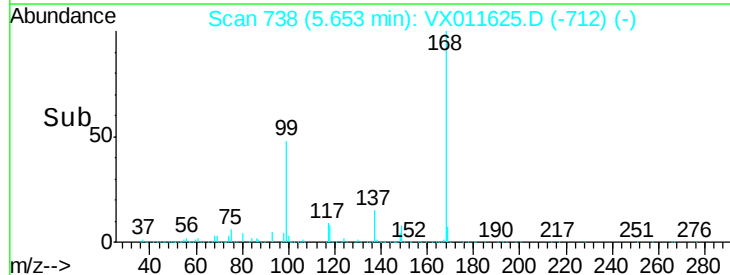
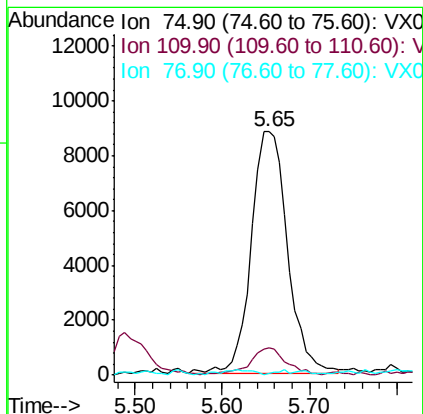
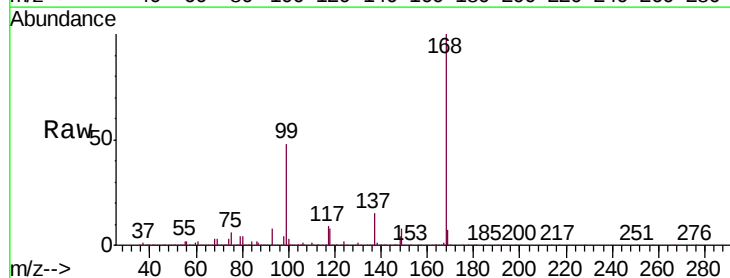
RT: 5.65 min Scan# 738

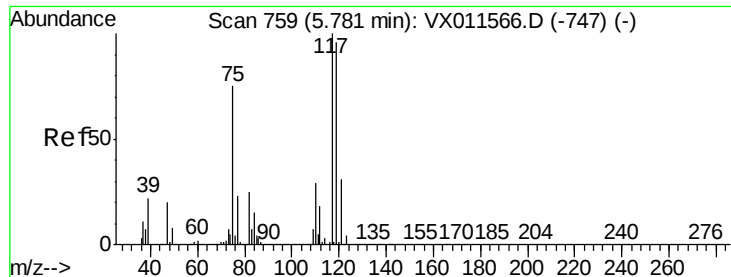
Delta R.T. -0.14 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

Tgt Ion:	75	Resp:	25459
Ion	Ratio	Lower	Upper
75	100		
110	11.5	19.4	58.1#
77	0.8	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 6.435 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

PH2-0140

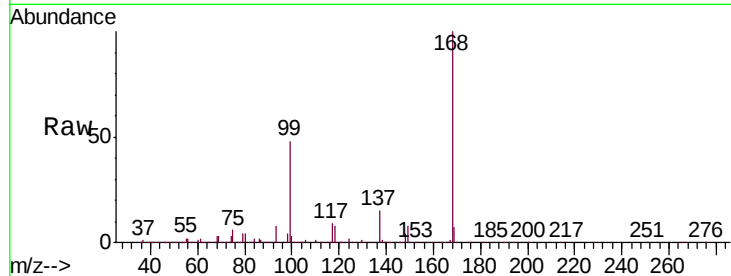
Tgt Ion:117 Resp: 37443

Ion Ratio Lower Upper

117 100

119 4.8 76.9 115.3#

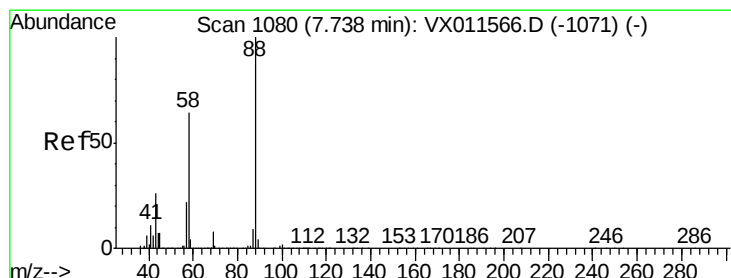
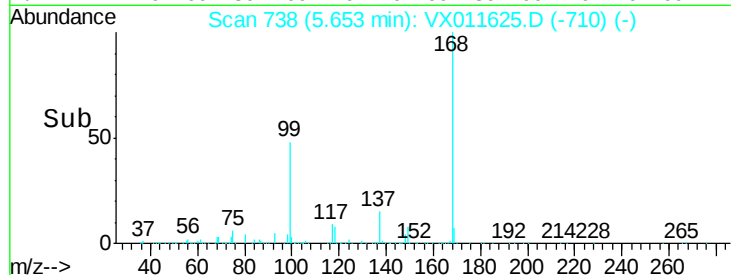
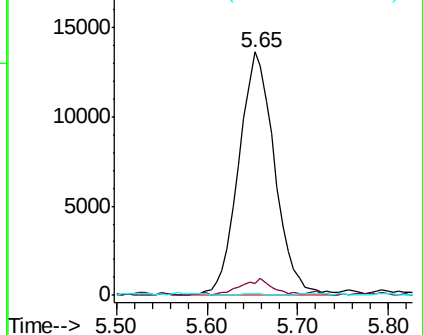
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.233 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

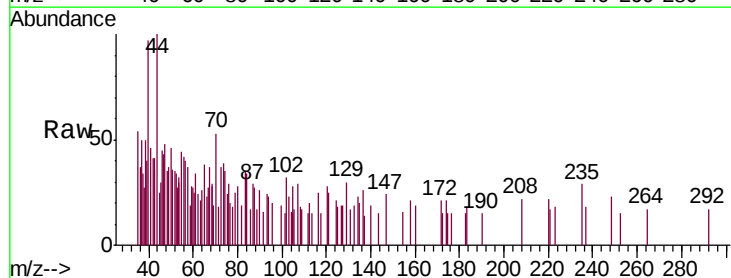
Tgt Ion: 88 Resp: 154

Ion Ratio Lower Upper

88 100

43 151.9 23.4 35.0#

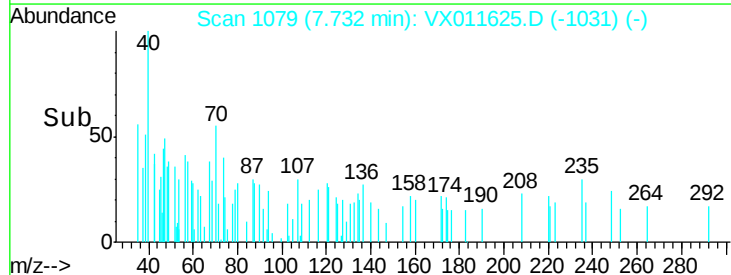
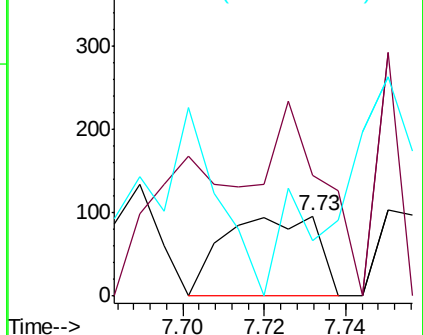
58 0.0 54.3 81.5#

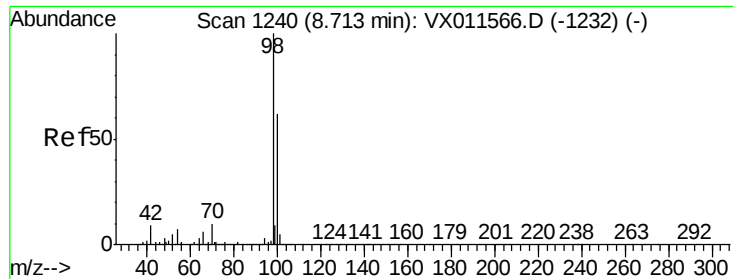


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 53.109 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

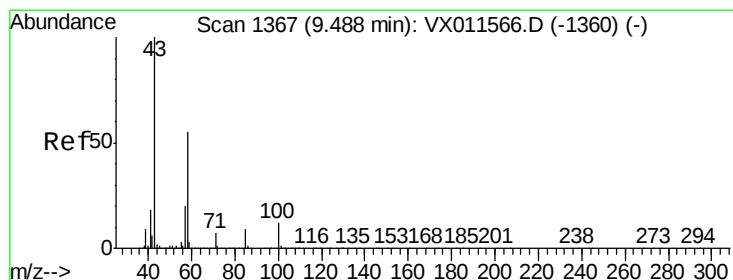
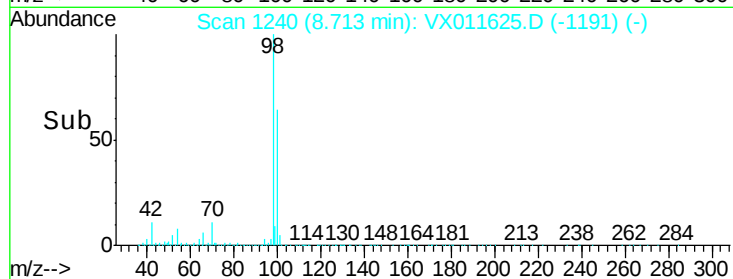
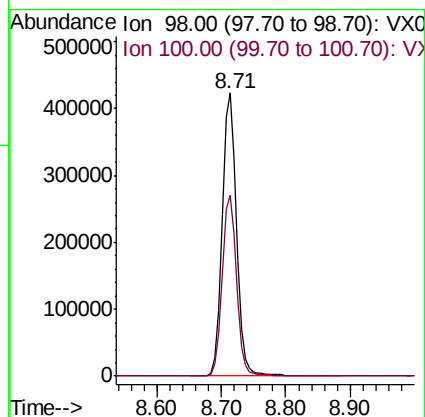
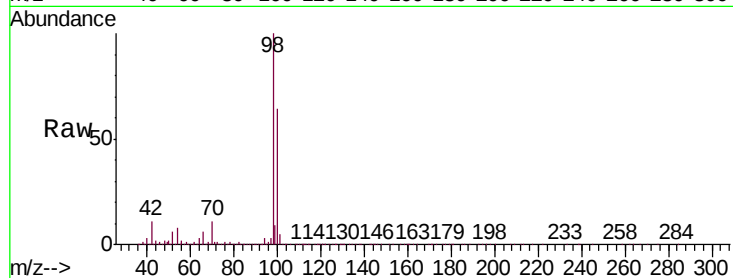
PH2-0140

Tgt Ion: 98 Resp: 668580

Ion Ratio Lower Upper

98 100

100 64.5 52.4 78.6



#59

2-Hexanone

Concen: 0.417 ug/l

RT: 9.35 min Scan# 1344

Delta R.T. -0.14 min

Lab File: VX011625.D

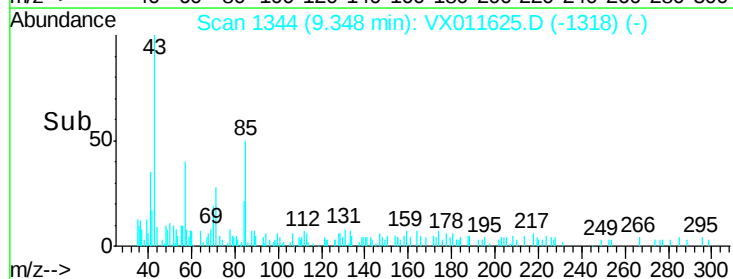
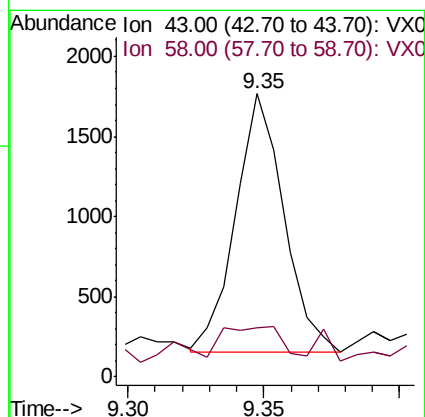
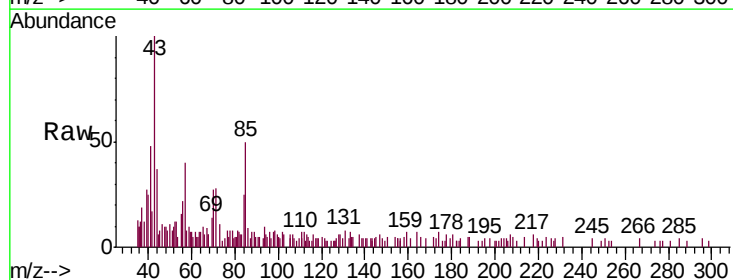
Acq: 19 Aug 2019 12:34

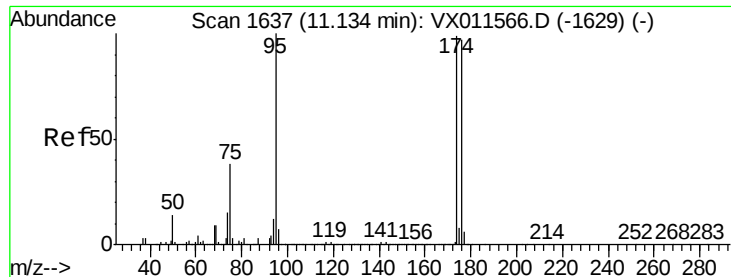
Tgt Ion: 43 Resp: 1993

Ion Ratio Lower Upper

43 100

58 29.1 27.5 82.4





#62

4-Bromofluorobenzene

Concen: 45.780 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

Instrument :

MSVOA_X

ClientSampled :

PH2-0140

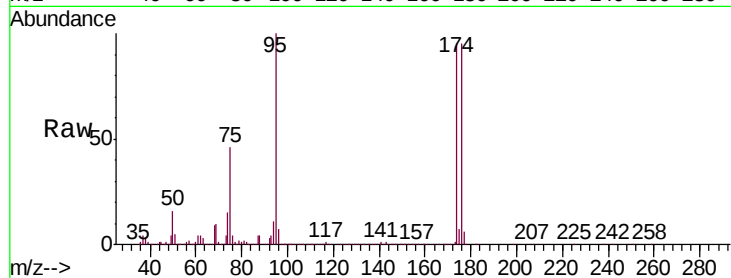
Tgt Ion: 95 Resp: 243253

Ion Ratio Lower Upper

95 100

174 99.0 0.0 200.6

176 97.3 0.0 196.6



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

250000

200000

150000

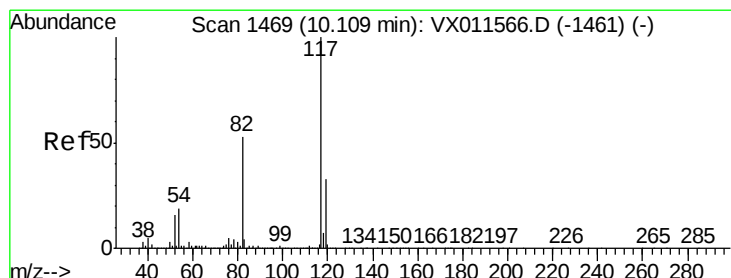
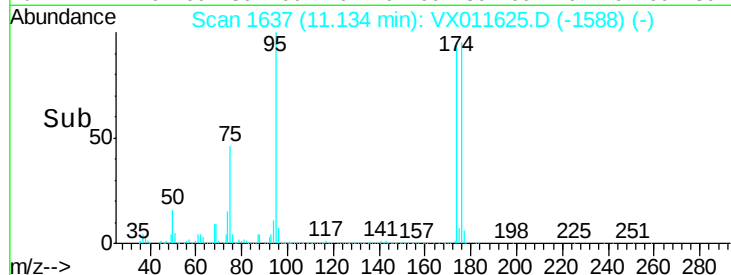
100000

50000

0

11.10 11.13 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

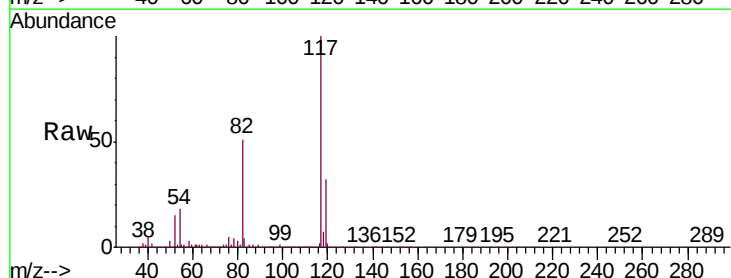
Tgt Ion: 117 Resp: 544656

Ion Ratio Lower Upper

117 100

82 51.3 42.0 63.0

119 32.2 26.5 39.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

500000

400000

300000

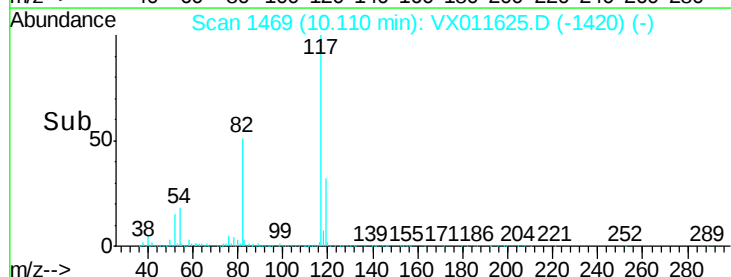
200000

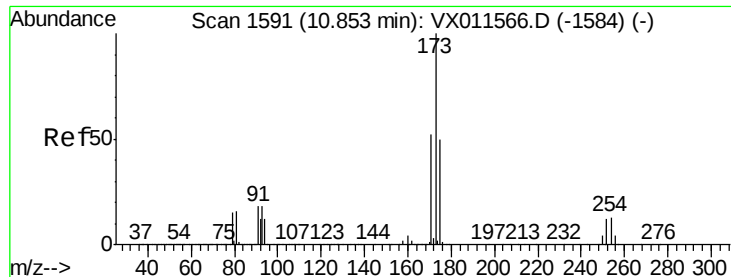
100000

0

10.10 10.11 10.20

Time-->





#71

Bromoform

Concen: 3.322 ug/l

RT: 10.84 min Scan# 1589

Delta R.T. -0.01 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

PH2-0140

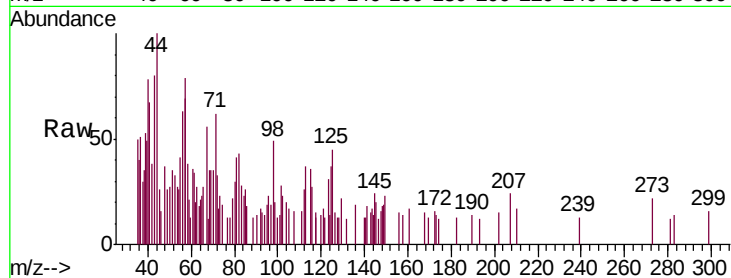
Tgt Ion:173 Resp: 136

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.7#

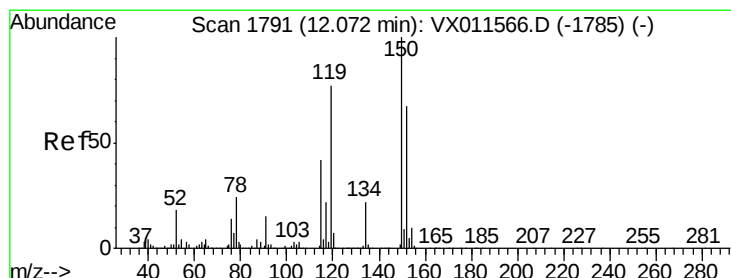
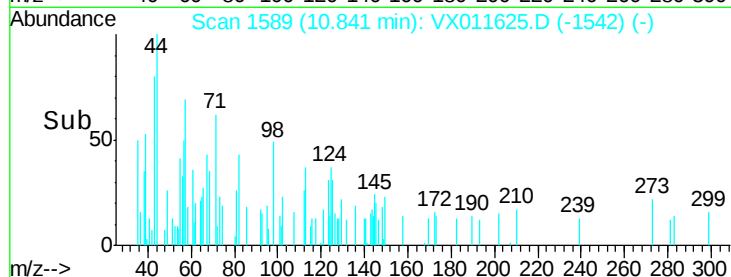
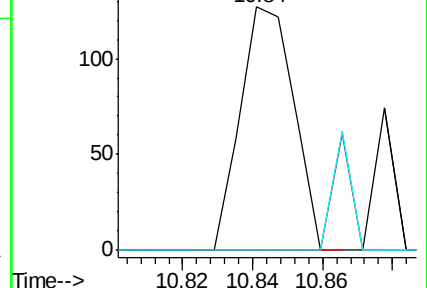
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

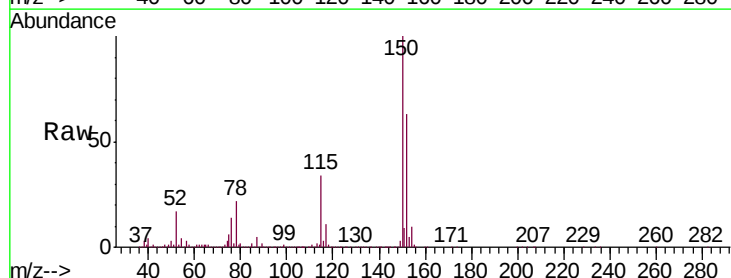
Tgt Ion:152 Resp: 266969

Ion Ratio Lower Upper

152 100

115 53.3 37.3 111.9

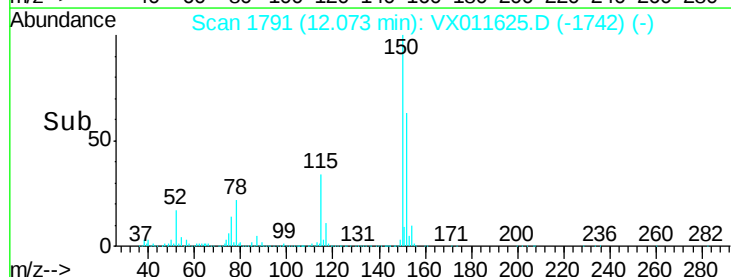
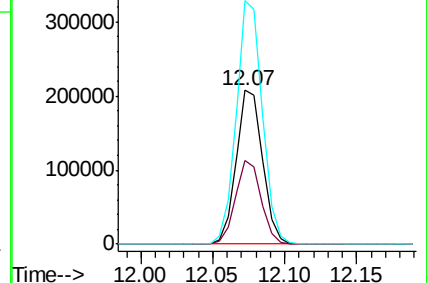
150 157.2 0.0 346.2

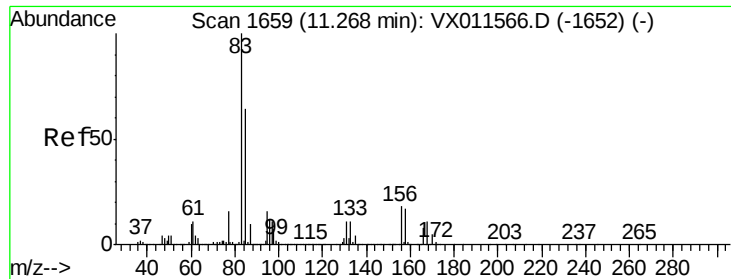


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.291 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

PH2-0140

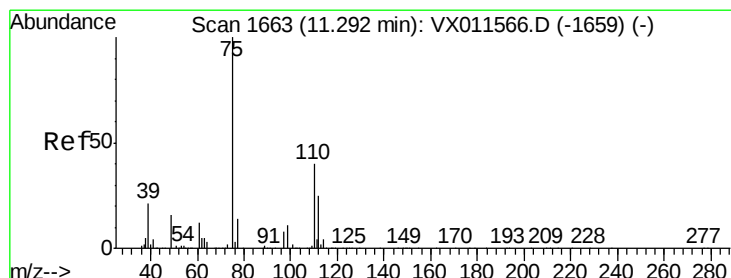
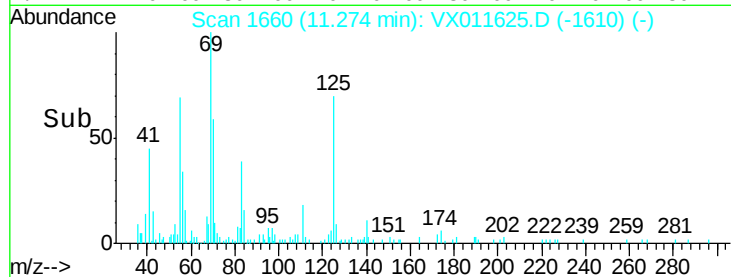
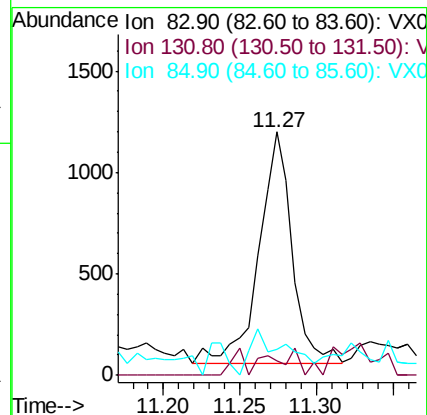
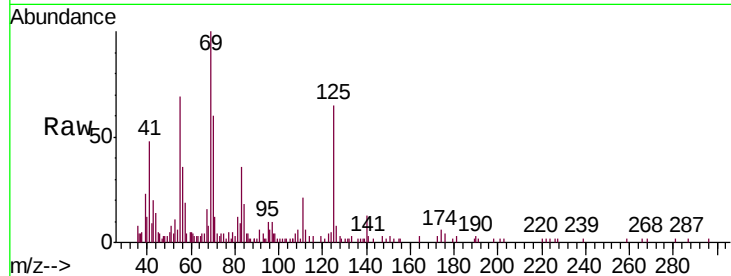
Tgt Ion: 83 Resp: 1734

Ion Ratio Lower Upper

83 100

131 6.3 5.8 17.3

85 12.6 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 22.146 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011625.D

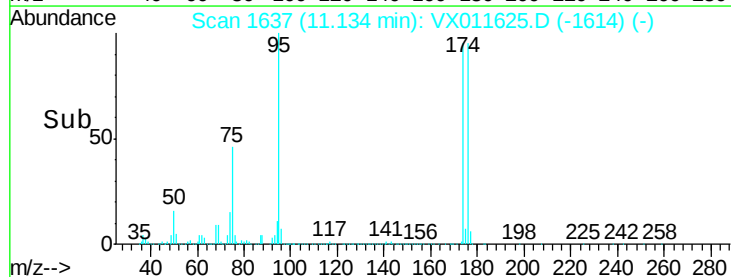
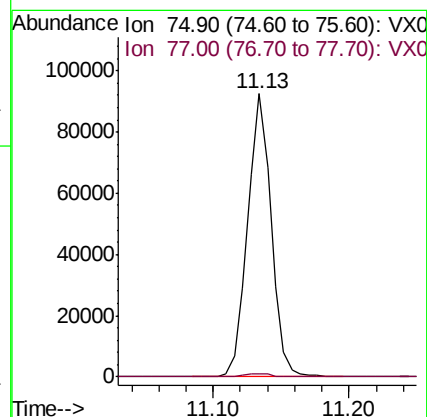
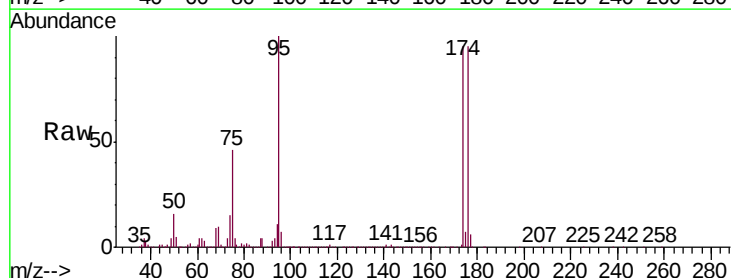
Acq: 19 Aug 2019 12:34

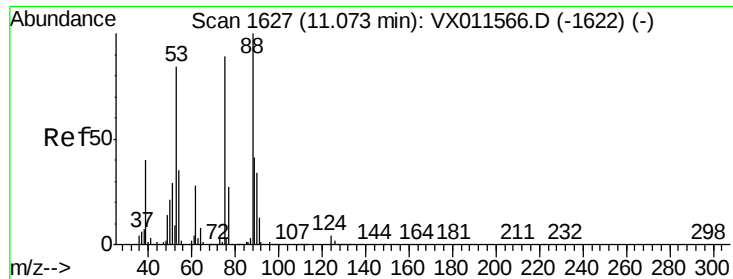
Tgt Ion: 75 Resp: 112112

Ion Ratio Lower Upper

75 100

77 1.5 20.9 62.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 59.096 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011625.D

Acq: 19 Aug 2019 12:34

Instrument :

MSVOA_X

ClientSampleId :

PH2-0140

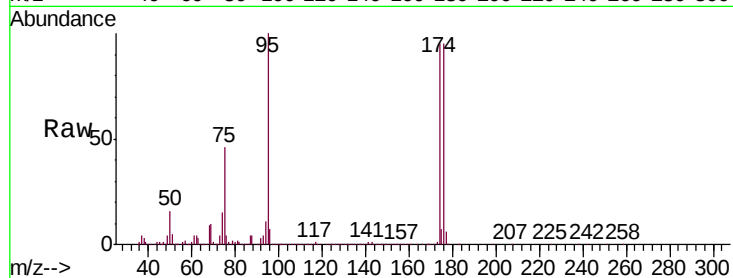
Tgt Ion: 75 Resp: 112112

Ion Ratio Lower Upper

75 100

53 0.2 77.4 116.0#

89 0.1 37.3 55.9#



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

