

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013473.D
 Acq On : 20 Nov 2019 12:23
 Operator : JC/SP
 Sample : K5949-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-191119

Quant Time: Nov 21 00:45:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	706966	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1134263	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1002873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	432381	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	415904	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
35) Dibromofluoromethane	5.49	113	349178	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	8.71	98	1357950	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	11.14	95	441617	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	

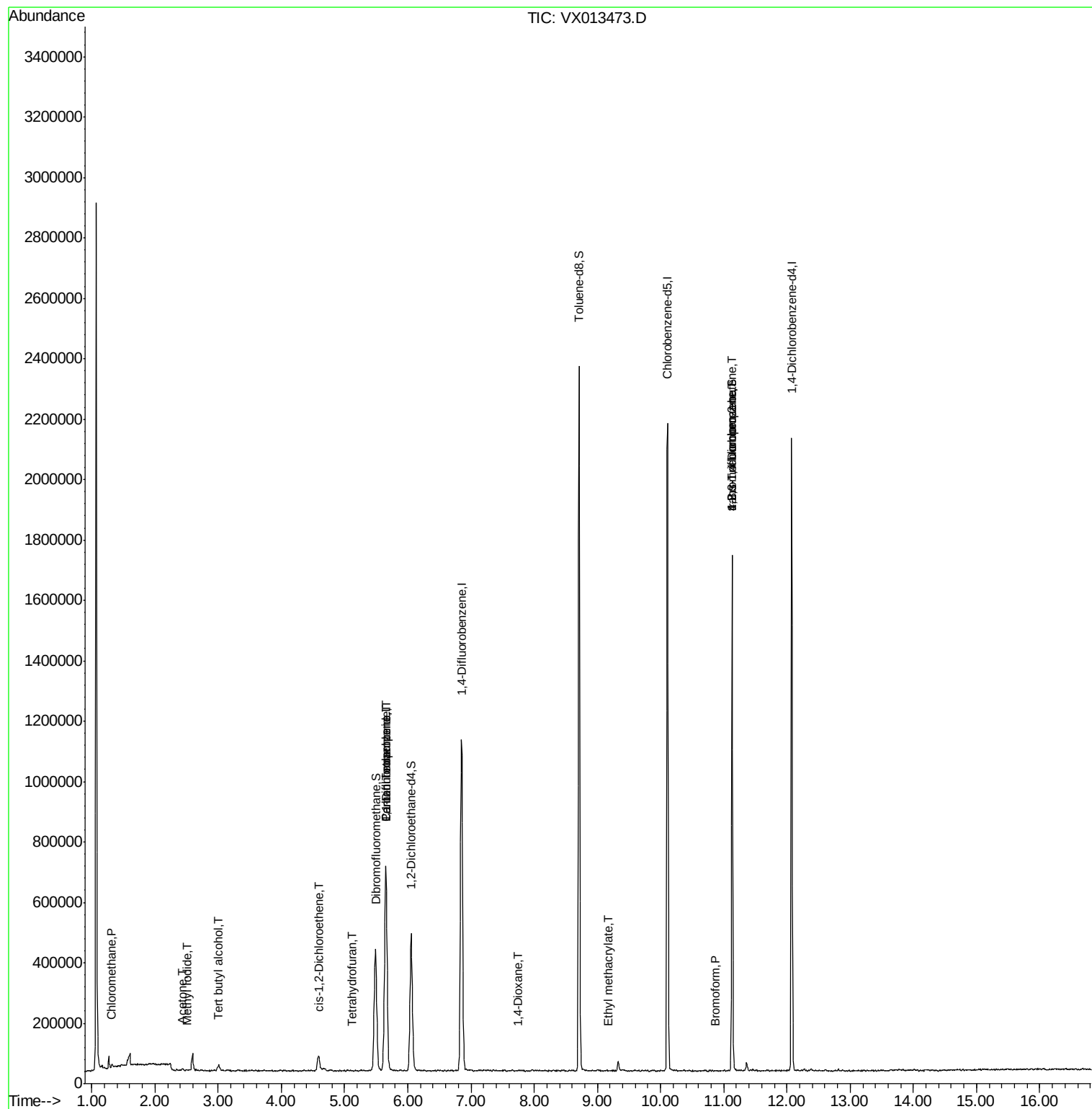
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	4964	0.562	ug/l #	86
6) Chloroethane	1.67	64	414	Below Cal	#	7
10) Methyl Iodide	2.50	142	2042	0.249	ug/l #	79
11) Tert butyl alcohol	3.01	59	14344	6.498	ug/l	97
16) Acetone	2.44	43	7829	1.874	ug/l	89
27) cis-1,2-Dichloroethene	4.58	96	31870	4.029	ug/l	88
29) Tetrahydrofuran	5.12	42	1154	0.306	ug/l #	63
36) 1,1-Dichloropropene	5.65	75	46906	4.820	ug/l #	52
38) Carbon Tetrachloride	5.65	117	63793	6.704	ug/l #	16
49) 1,4-Dioxane	7.73	88	320	1.495	ug/l #	57
56) Ethyl methacrylate	9.18	69	623	1.608	ug/l #	21
71) Bromoform	10.86	173	383	3.254	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	215137	24.497	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	215137	63.054	ug/l #	9

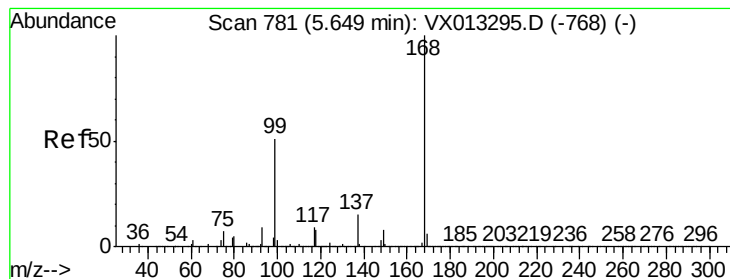
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

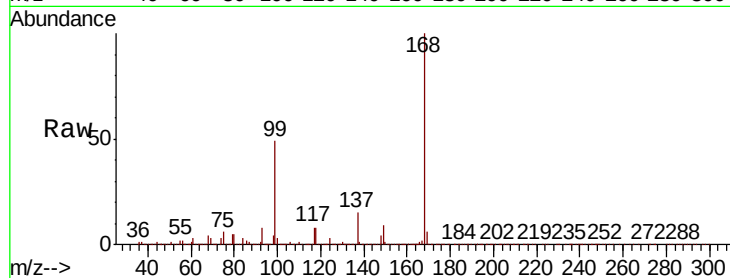
OUTFALL001-191119

Tot Ion:168 Resp: 706966

Ion Ratio Lower Upper

168 100

99 49.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

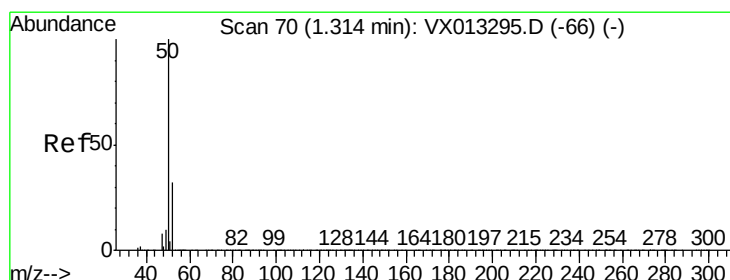
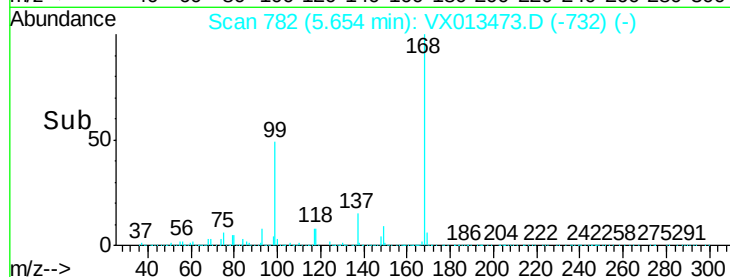
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.562 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013473.D

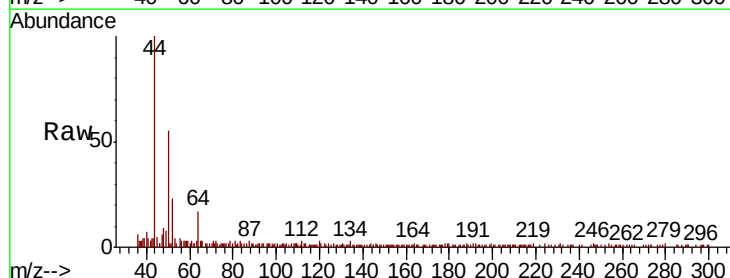
Acq: 20 Nov 2019 12:23

Tgt Ion: 50 Resp: 4964

Ion Ratio Lower Upper

50 100

52 39.9 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

6000

5000

4000

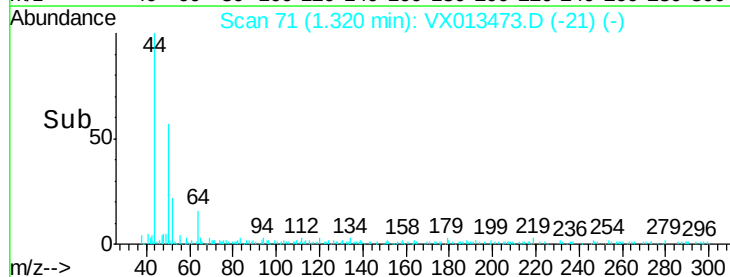
3000

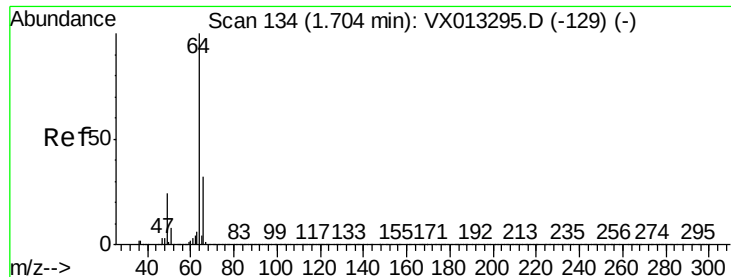
2000

1000

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 128

Delta R.T. -0.04 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

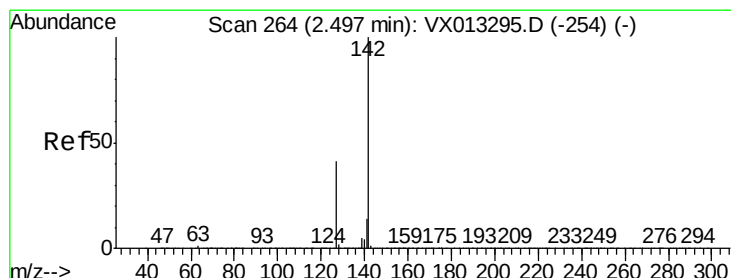
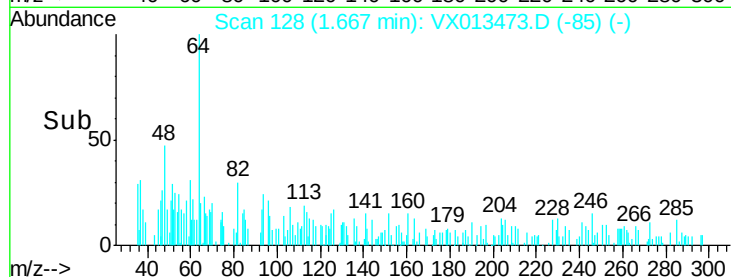
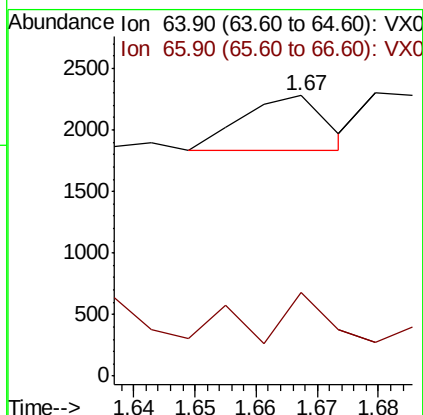
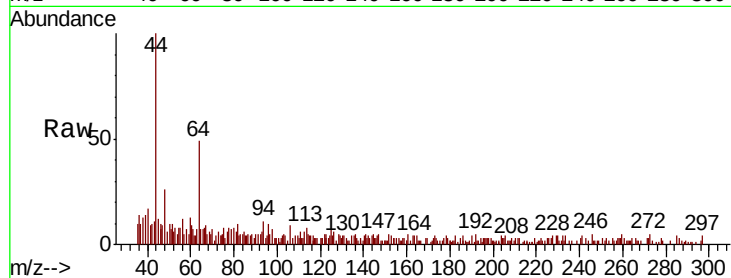
OUTFALL001-191119

Tot Ion: 64 Resp: 414

Ion Ratio Lower Upper

64 100

66 83.7 25.6 38.4#



#10

Methyl Iodide

Concen: 0.249 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

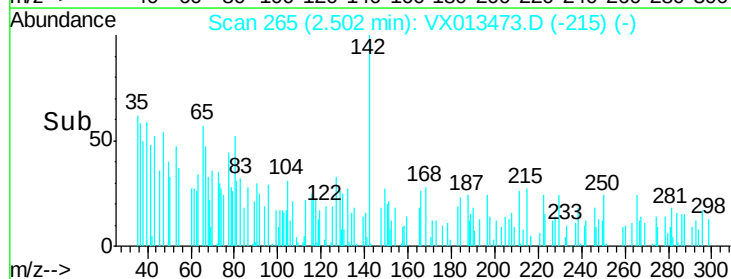
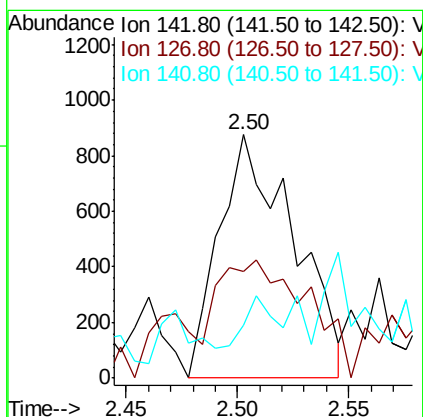
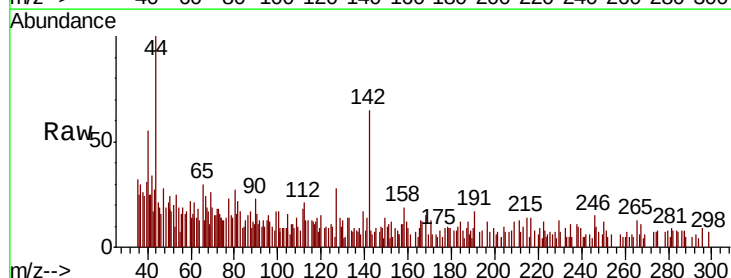
Tgt Ion: 142 Resp: 2042

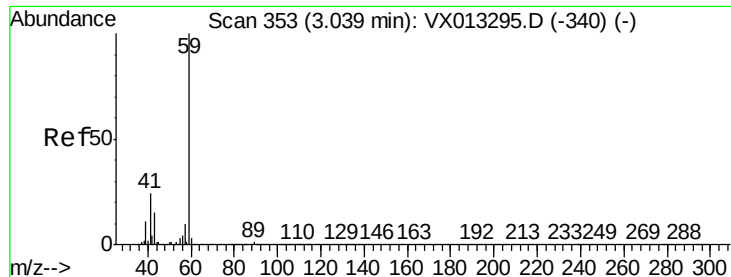
Ion Ratio Lower Upper

142 100

127 57.7 32.6 49.0#

141 12.5 11.6 17.4



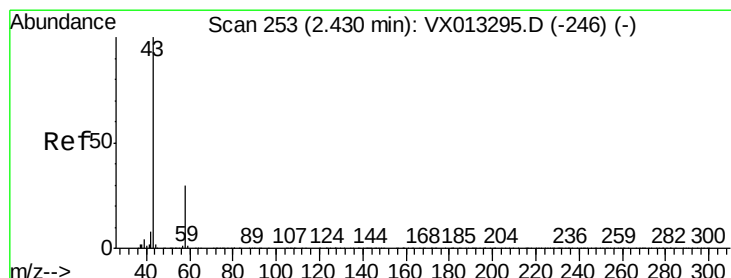
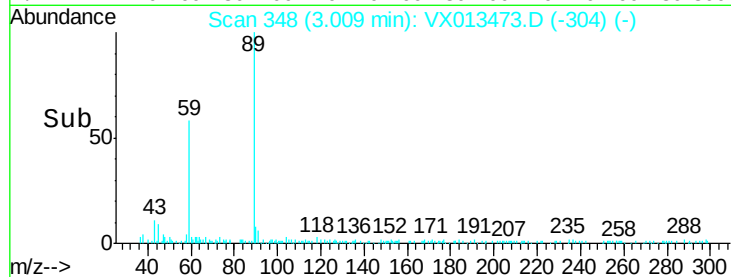
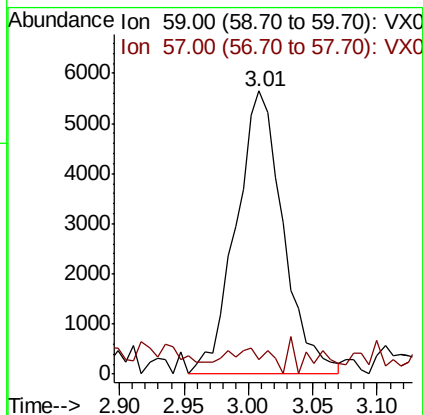
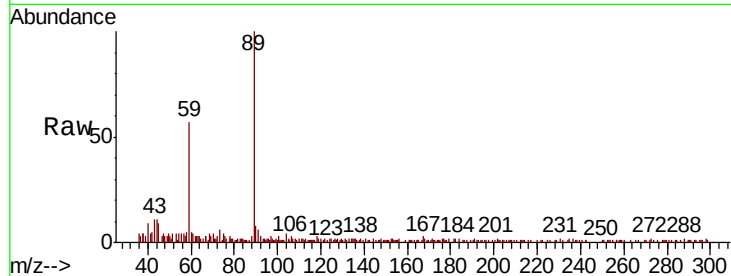


#11

Tert butyl alcohol
 Concen: 6.498 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX013473.D
 Acq: 20 Nov 2019 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-191119

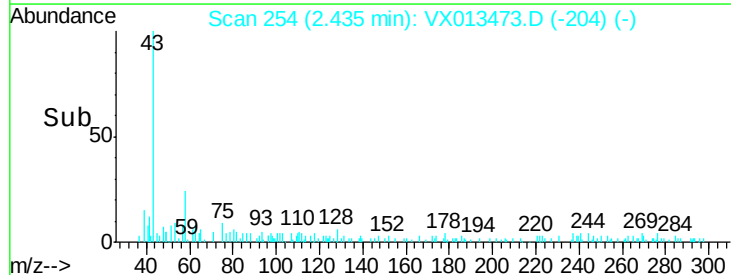
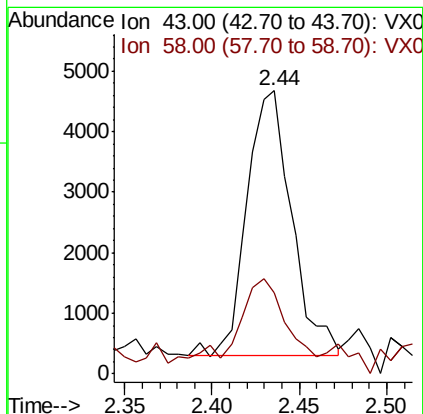
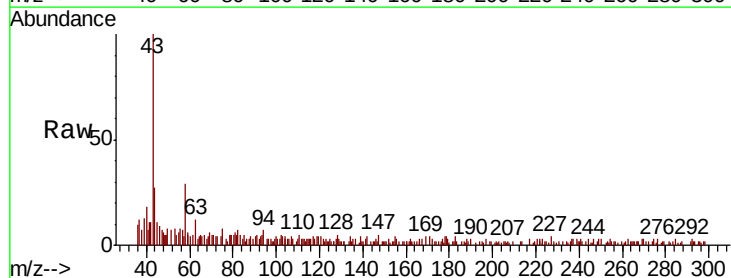
Tot Ion: 59 Resp: 14344
 Ion Ratio Lower Upper
 59 100
 57 8.8 8.0 12.0

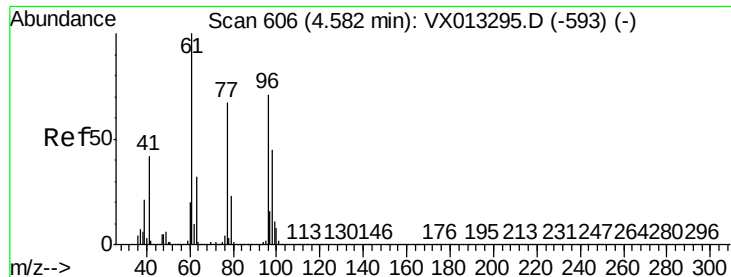


#16

Acetone
 Concen: 1.874 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.01 min
 Lab File: VX013473.D
 Acq: 20 Nov 2019 12:23

Tgt Ion: 43 Resp: 7829
 Ion Ratio Lower Upper
 43 100
 58 24.6 24.3 36.5





#27

cis-1,2-Dichloroethene

Concen: 4.029 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.00 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-191119

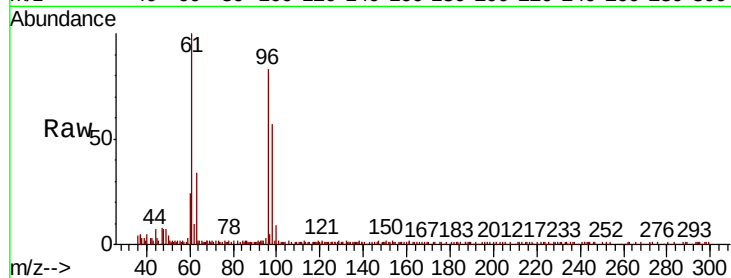
Tot Ion: 96 Resp: 31870

Ion Ratio Lower Upper

96 100

61 123.8 0.0 288.0

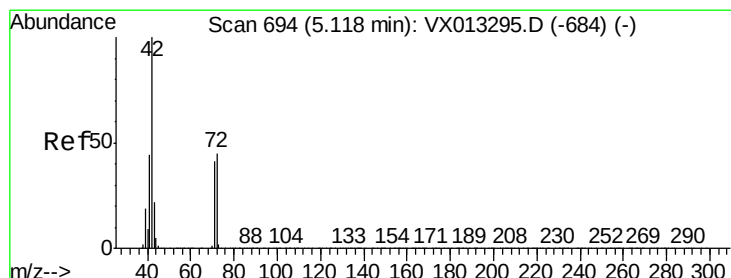
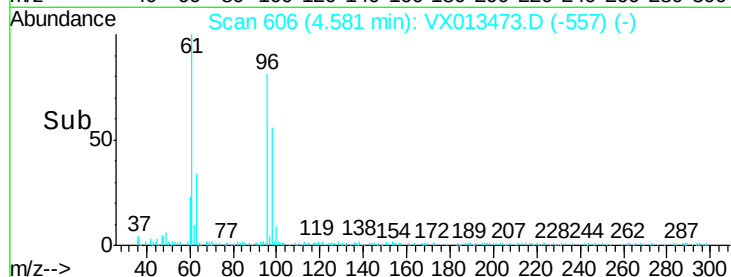
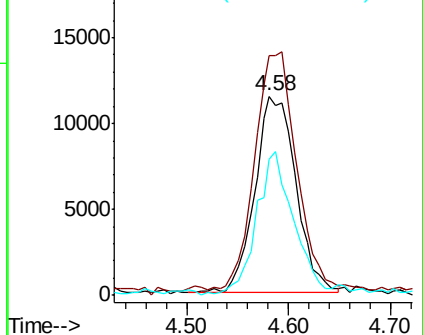
98 67.0 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 0.306 ug/l

RT: 5.12 min Scan# 694

Delta R.T. -0.00 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

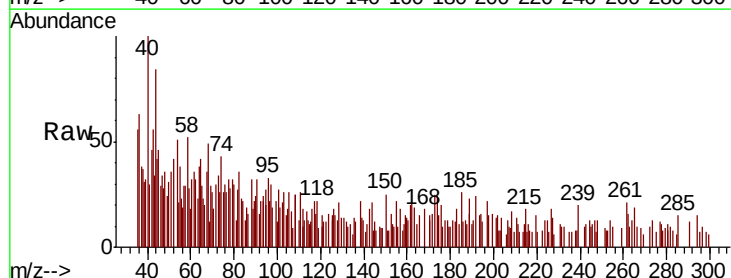
Tgt Ion: 42 Resp: 1154

Ion Ratio Lower Upper

42 100

72 0.0 35.8 53.8#

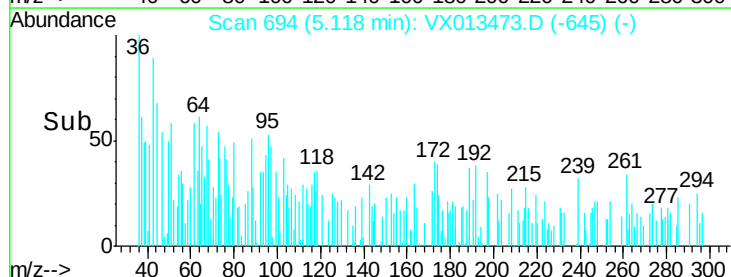
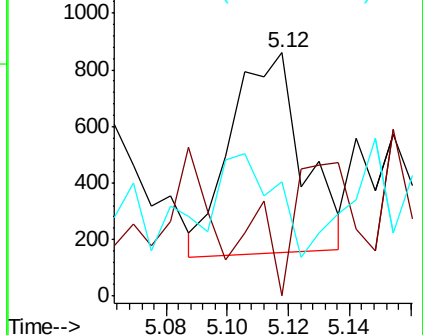
71 40.5 33.4 50.0

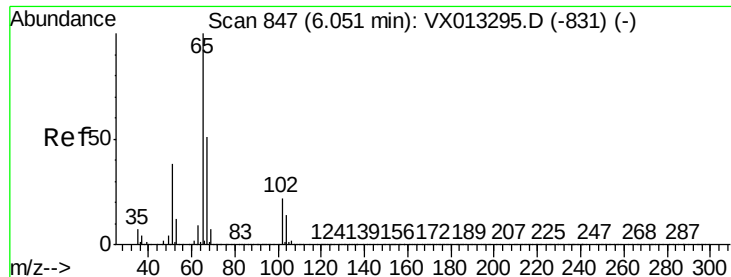


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.658 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

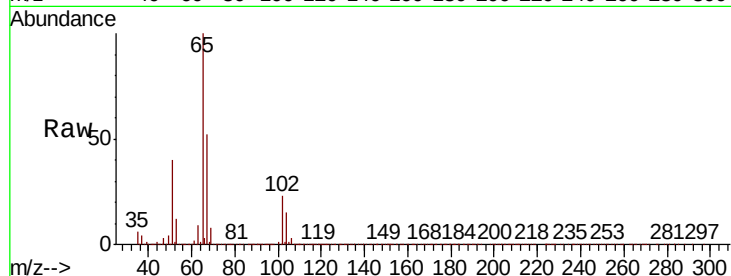
OUTFALL001-191119

Tot Ion: 65 Resp: 415904

Ion Ratio Lower Upper

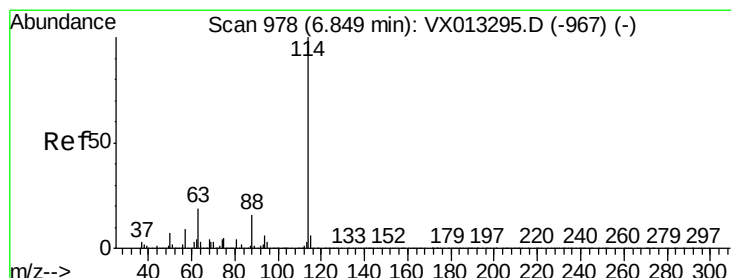
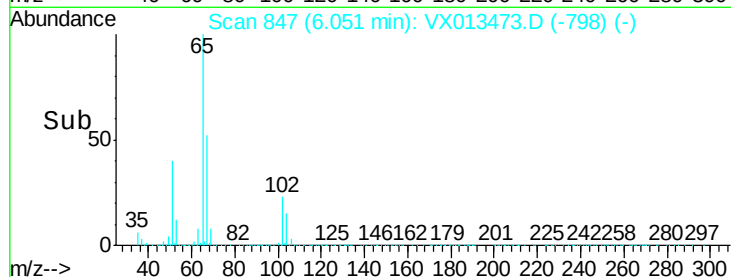
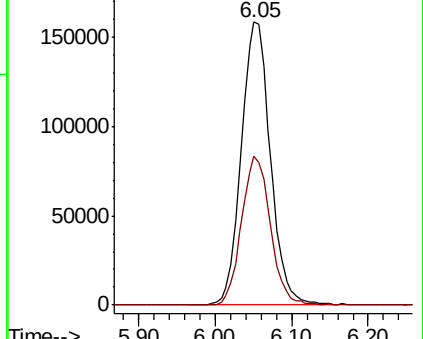
65 100

67 52.4 0.0 104.2



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

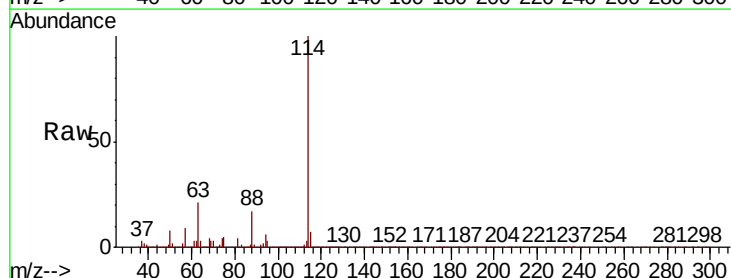
Tgt Ion: 114 Resp: 1134263

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.4

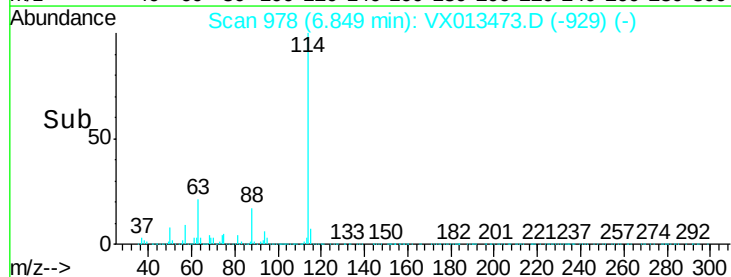
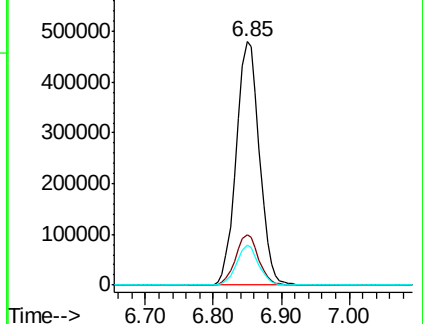
88 16.6 0.0 32.2

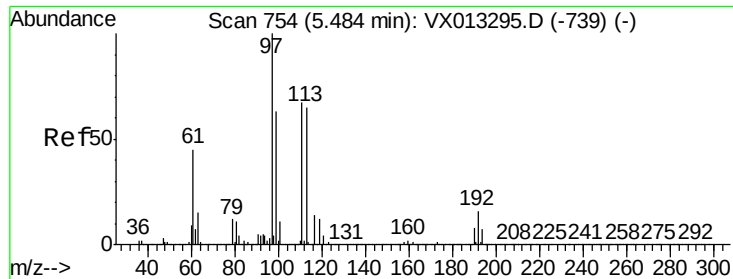


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.082 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-191119

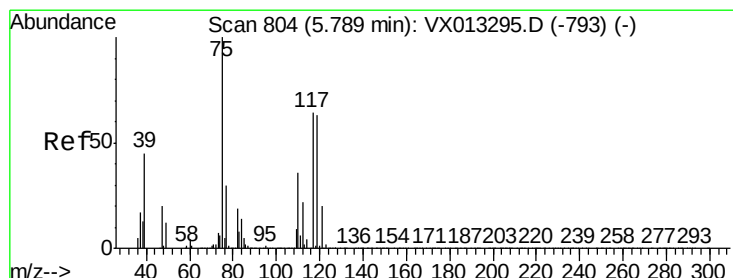
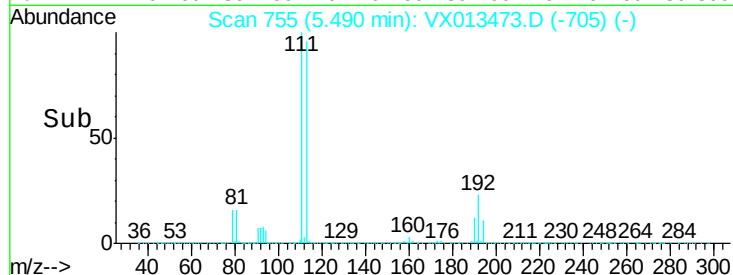
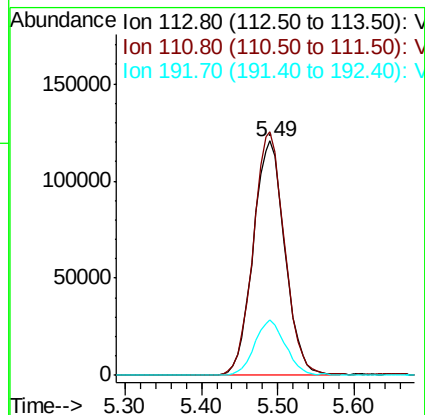
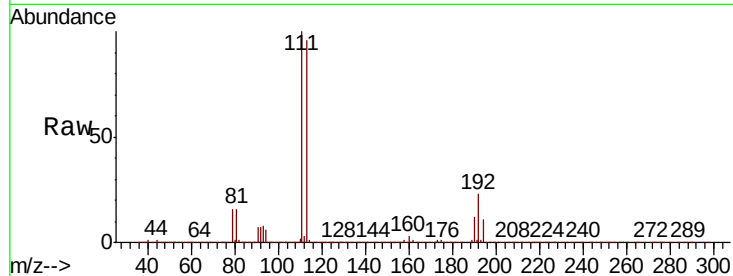
Tot Ion:113 Resp: 349178

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

192 22.6 19.1 28.7



#36

1,1-Dichloropropene

Concen: 4.820 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

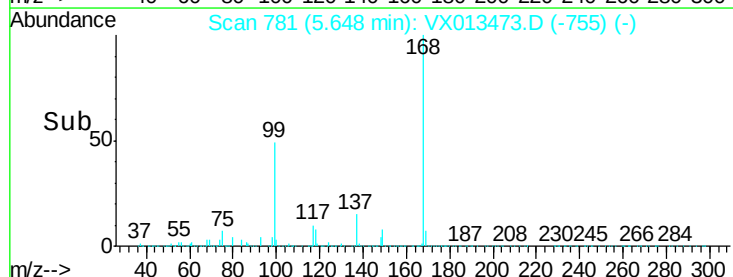
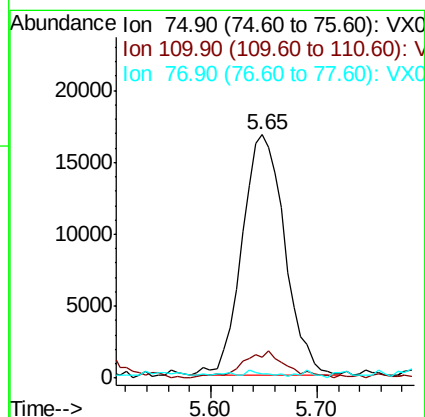
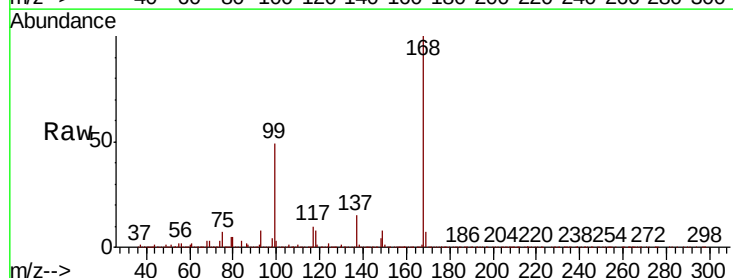
Tgt Ion: 75 Resp: 46906

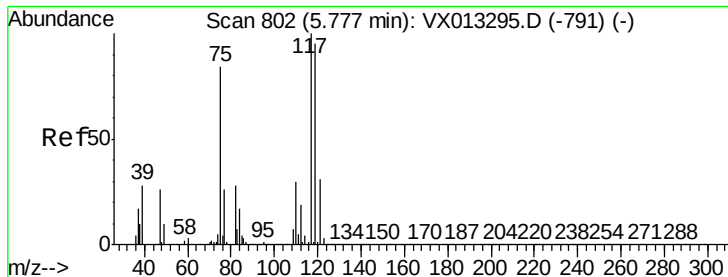
Ion Ratio Lower Upper

75 100

110 11.5 18.1 54.1#

77 1.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.704 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

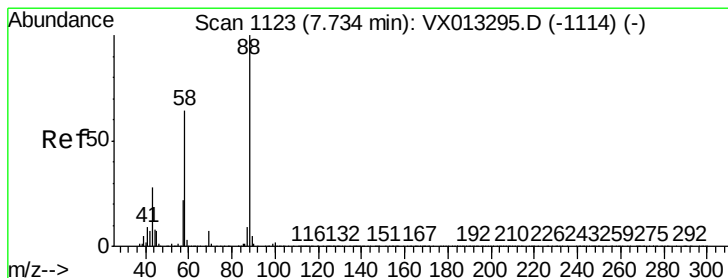
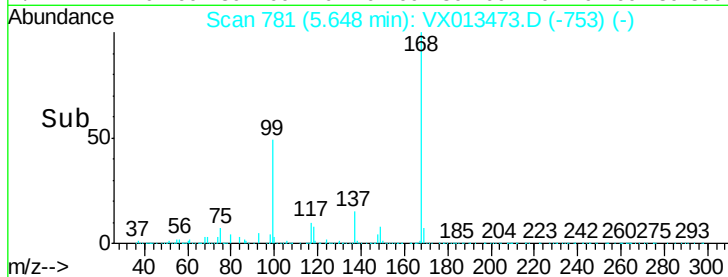
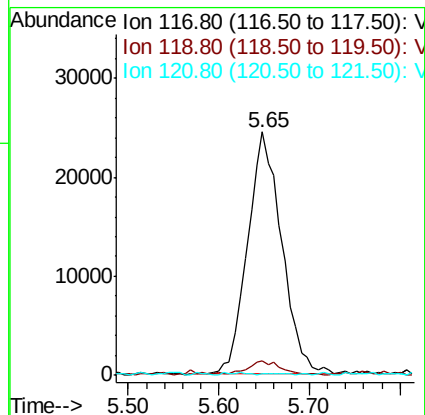
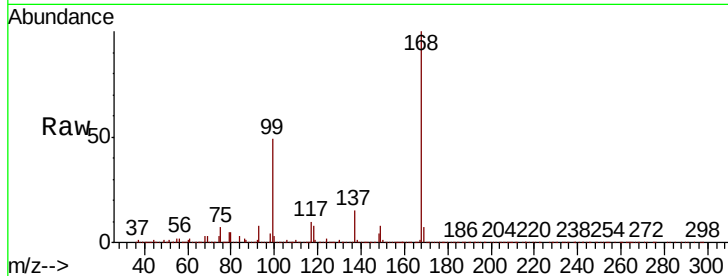
MSVOA_X

ClientSampleId :

OUTFALL001-191119

Tot Ion:117 Resp: 63793

Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.1	114.1#
121	0.3	24.6	37.0#



#49

1,4-Dioxane

Concen: 1.495 ug/l

RT: 7.73 min Scan# 1123

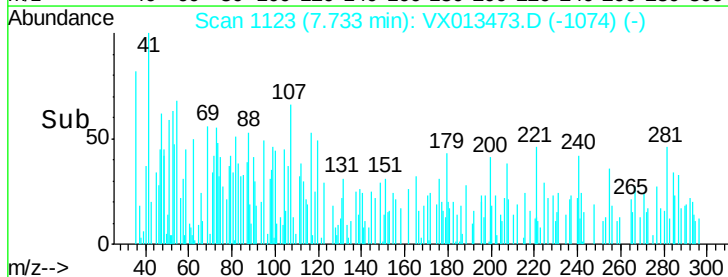
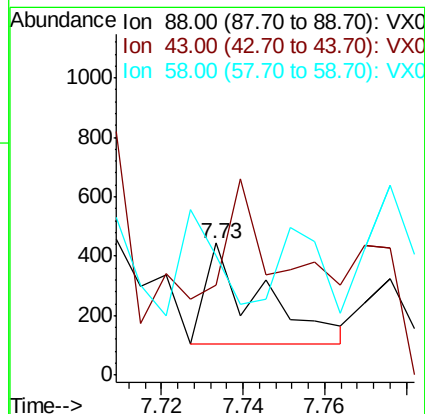
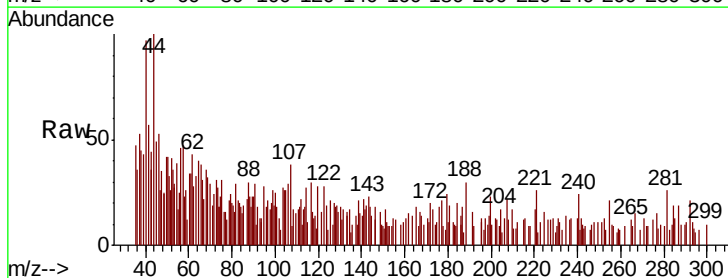
Delta R.T. -0.00 min

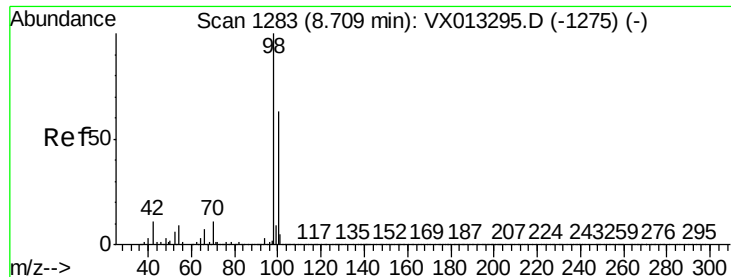
Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Tgt Ion: 88 Resp: 320

Ion	Ratio	Lower	Upper
88	100		
43	71.9	26.6	39.8#
58	93.4	55.0	82.6#





#50

Toluene-d8

Concen: 50.632 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

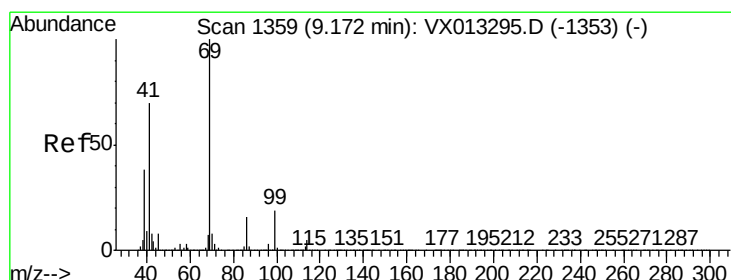
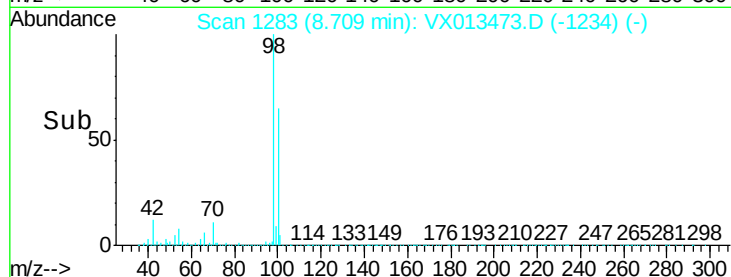
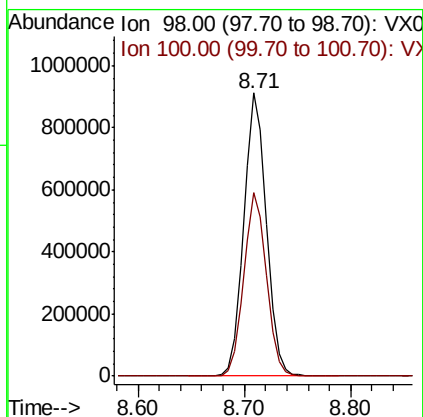
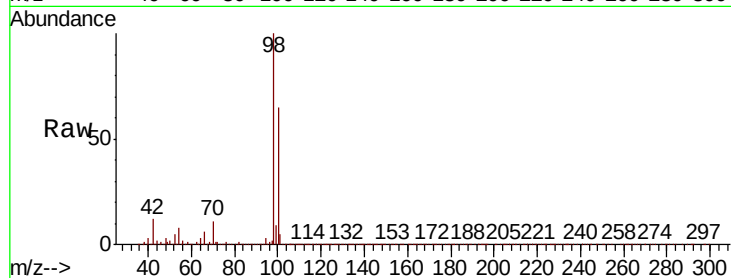
OUTFALL001-191119

Tot Ion: 98 Resp: 1357950

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#56

Ethyl methacrylate

Concen: 1.608 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

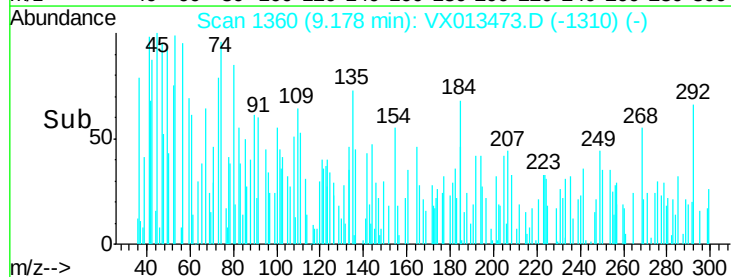
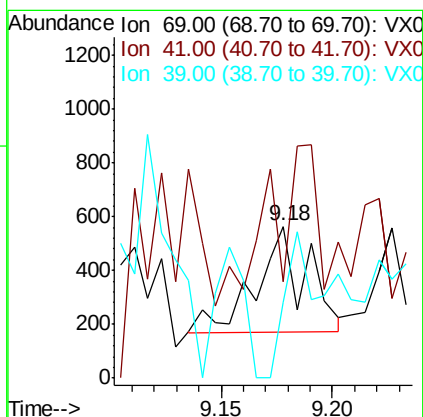
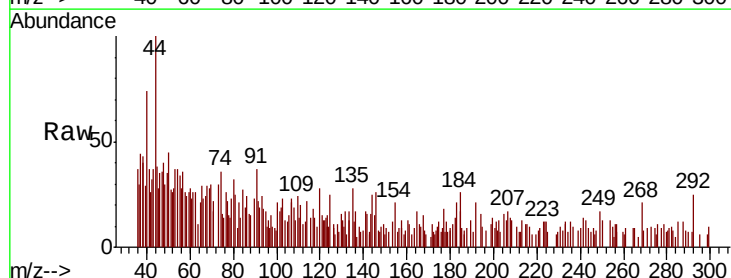
Tgt Ion: 69 Resp: 623

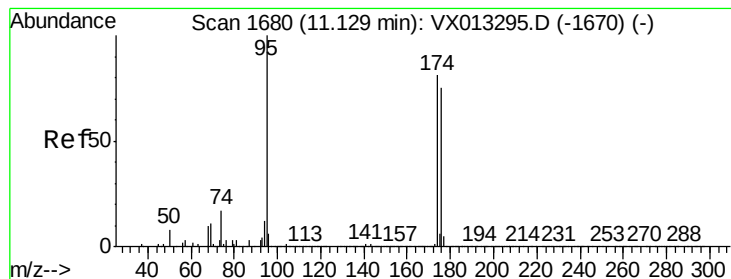
Ion Ratio Lower Upper

69 100

41 138.2 56.2 84.2#

39 83.6 31.1 46.7#





#62

4-Bromofluorobenzene

Concen: 45.624 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-191119

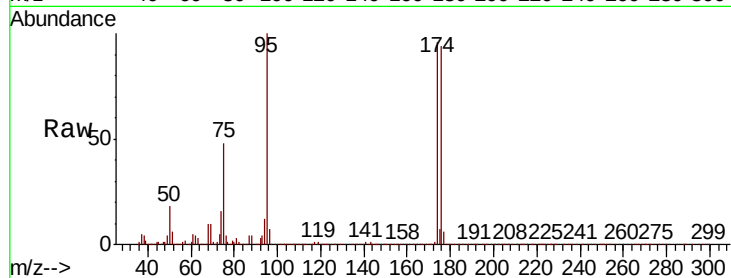
Tot Ion: 95 Resp: 441617

Ion Ratio Lower Upper

95 100

174 89.8 0.0 179.8

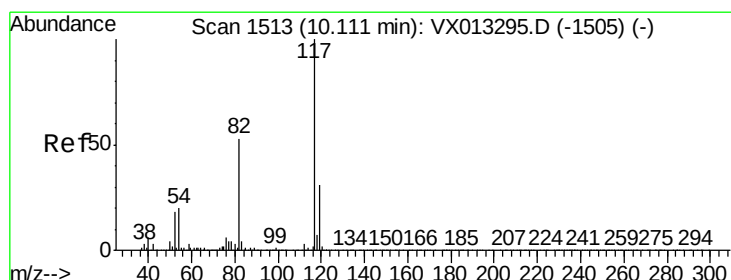
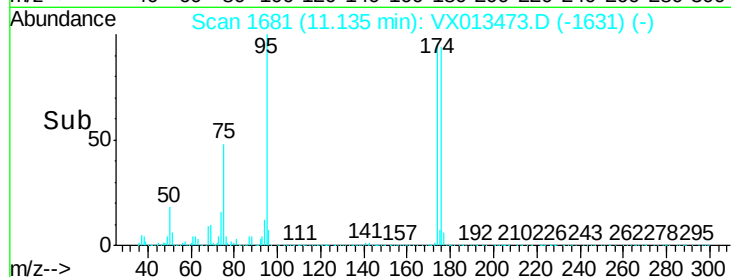
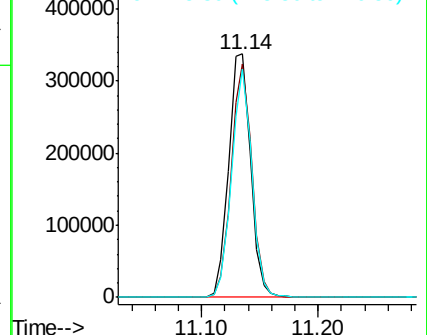
176 86.5 0.0 173.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

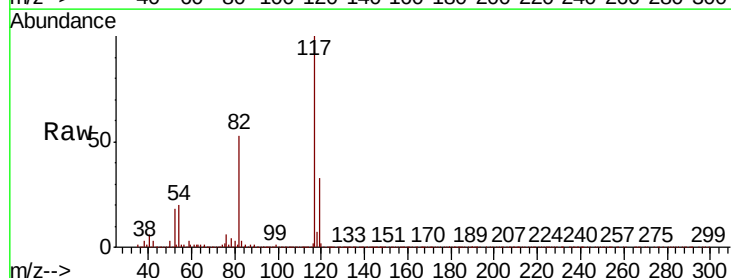
Tgt Ion: 117 Resp: 1002873

Ion Ratio Lower Upper

117 100

82 53.2 42.6 64.0

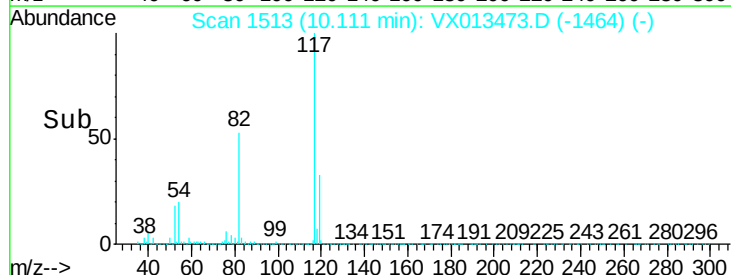
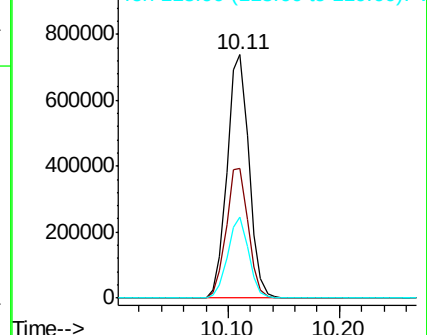
119 33.0 24.8 37.2

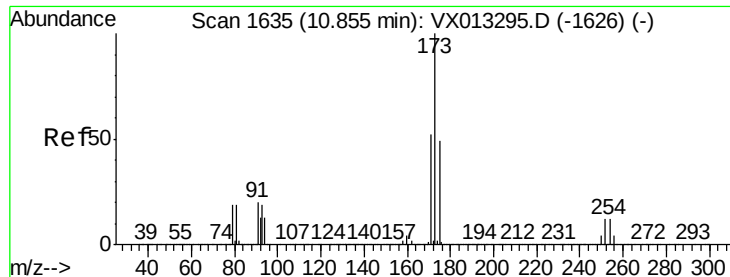


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

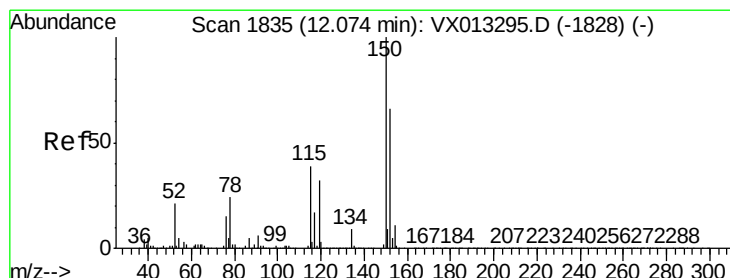
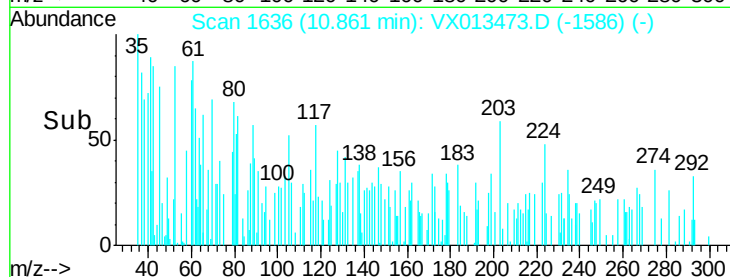
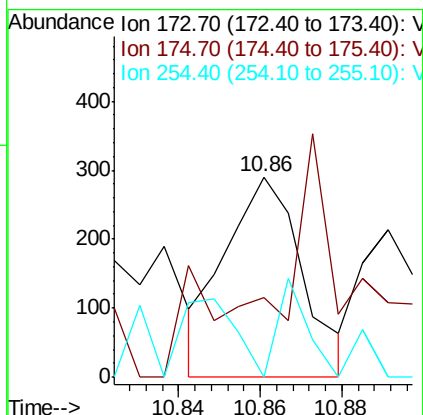
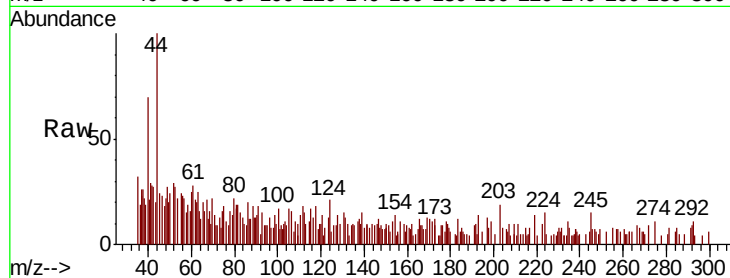




#71
Bromoform
Concen: 3.254 ug/l
RT: 10.86 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX013473.D
Acq: 20 Nov 2019 12:23

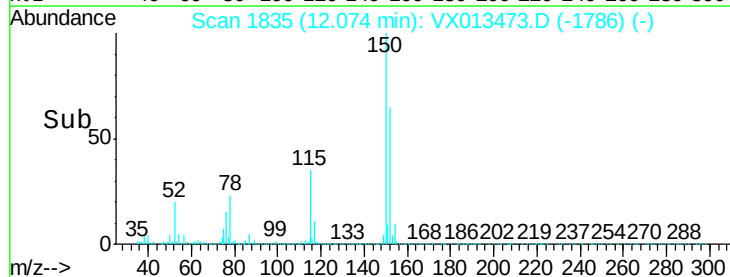
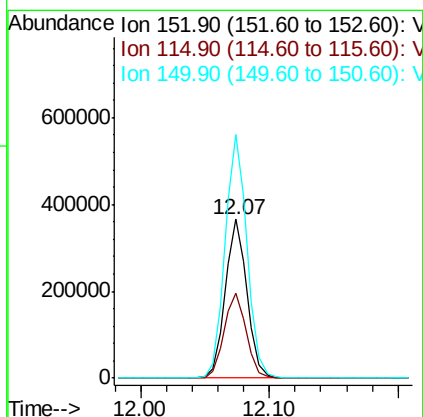
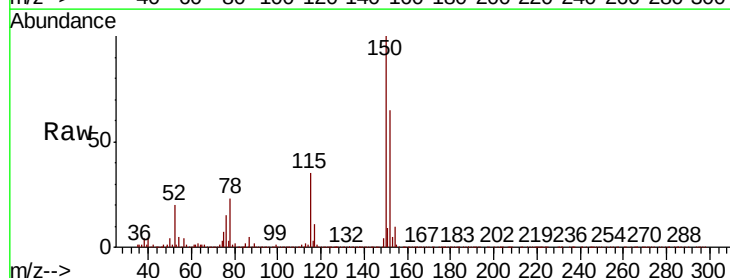
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-191119

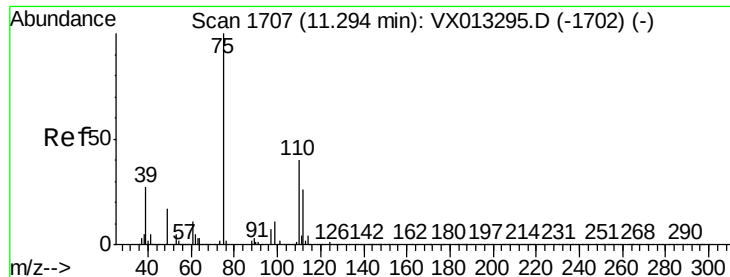
Tot Ion:173 Resp: 383
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 18.8 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013473.D
Acq: 20 Nov 2019 12:23

Tgt Ion:152 Resp: 432381
Ion Ratio Lower Upper
152 100
115 54.6 39.5 118.3
150 155.2 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 24.497 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA_X

ClientSampleId :

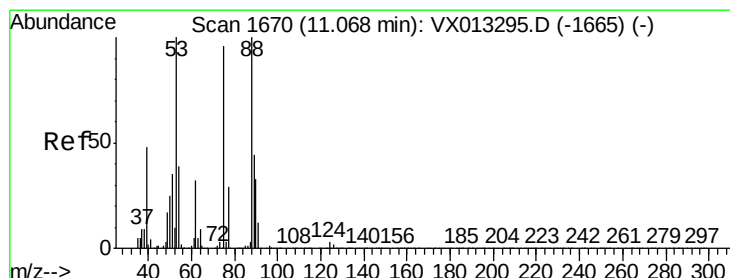
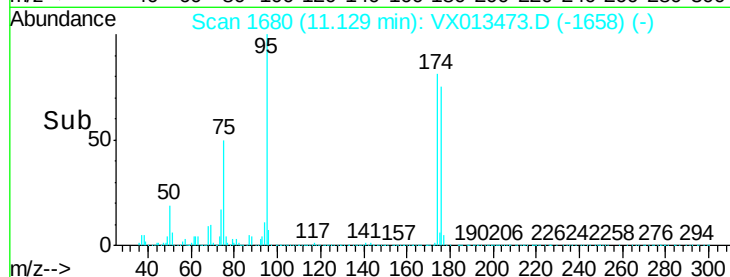
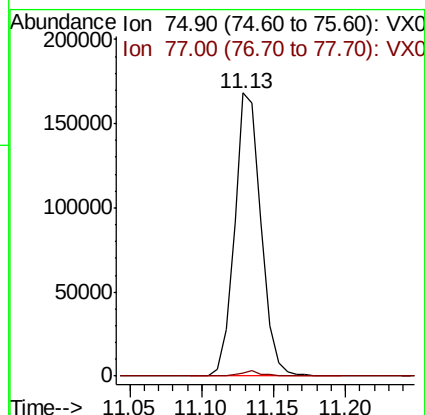
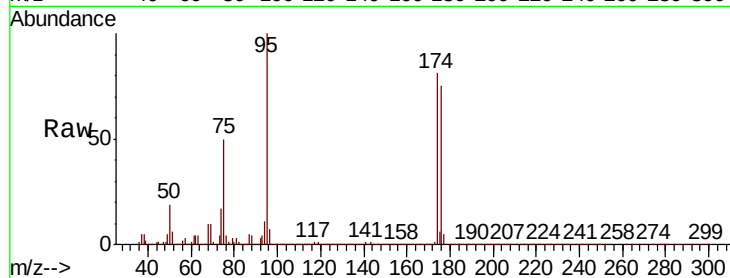
OUTFALL001-191119

Tot Ion: 75 Resp: 215137

Ion Ratio Lower Upper

75 100

77 1.4 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.054 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Tgt Ion: 75 Resp: 215137

Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.6#

89 0.0 36.0 54.0#

