

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\
 Data File : VX009520.D
 Acq On : 11 May 2019 13:10
 Operator : JC/SP
 Sample : K2781-01RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-WK-2

Quant Time: May 12 01:58:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	188502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	298963	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111986	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	121005	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
35) Dibromofluoromethane	5.50	113	89571	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	8.71	98	370667	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.13	95	122593	44.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.94%	

Target Compounds

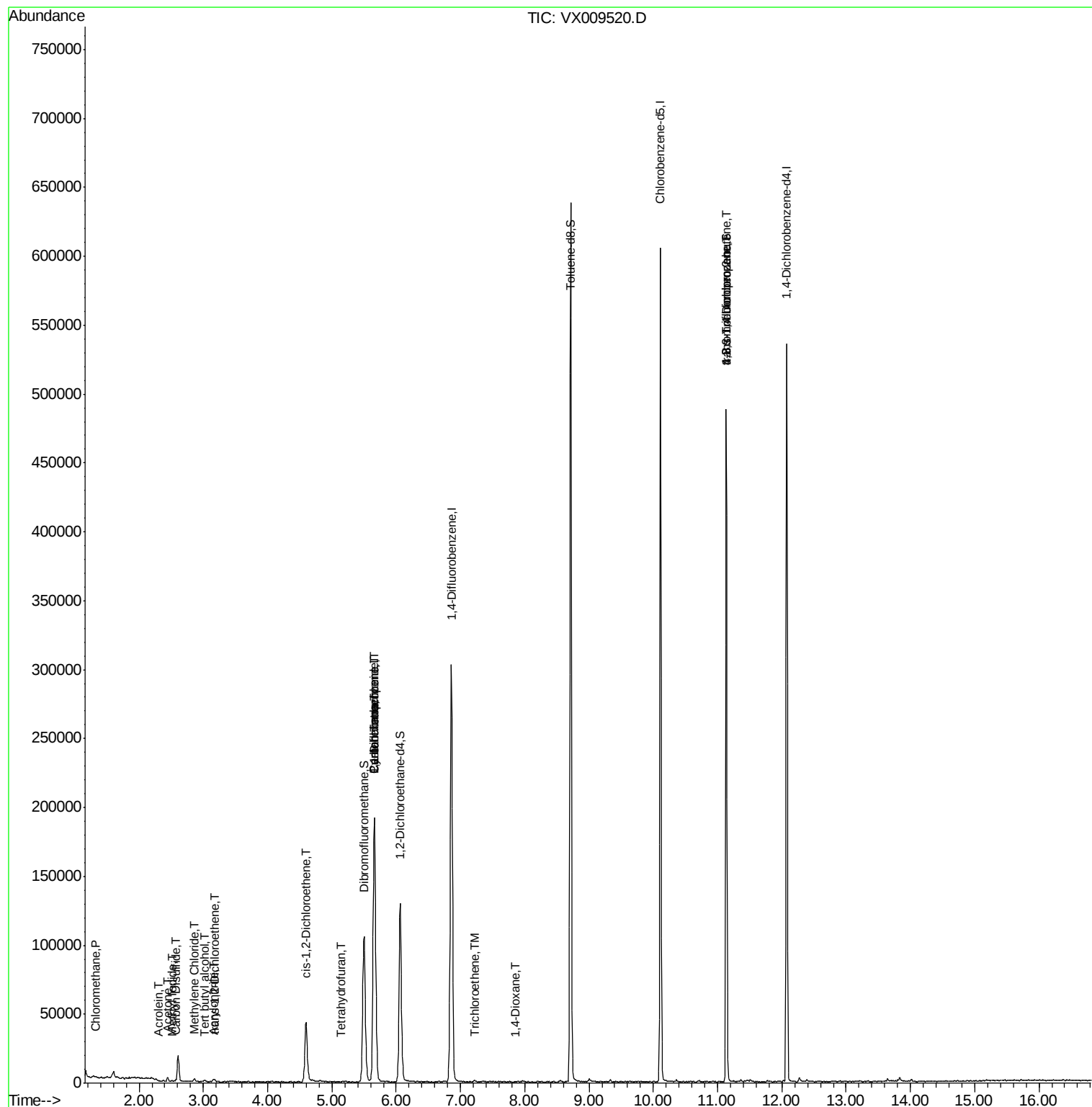
						Qvalue
3) Chloromethane	1.32	50	614	0.259	ug/l	99
10) Methyl Iodide	2.52	142	496	4.813	ug/l #	81
11) Tert butyl alcohol	3.02	59	729	1.224	ug/l #	85
13) Acrolein	2.29	56	133	0.247	ug/l #	61
15) Acrylonitrile	3.16	53	388	0.266	ug/l #	28
16) Acetone	2.44	43	3649	2.641	ug/l	96
17) Carbon Disulfide	2.57	76	1111	0.224	ug/l #	93
20) Methylene Chloride	2.86	84	741	0.331	ug/l #	84
21) trans-1,2-Dichloroethene	3.17	96	568	0.296	ug/l #	67
27) cis-1,2-Dichloroethene	4.60	96	26613	11.624	ug/l	89
28) Bromochloromethane	5.01	49	103	Below Cal	#	20
29) Tetrahydrofuran	5.14	42	307	0.222	ug/l #	38
31) Cyclohexane	5.66	56	4159	1.093	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14337	5.160	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17445	6.911	ug/l #	16
44) Trichloroethene	7.23	130	459	0.221	ug/l	67
49) 1,4-Dioxane	7.85	88	20	0.321	ug/l #	20
76) 1,2,3-Trichloropropane	11.13	75	62429	24.033	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62429	61.491	ug/l #	10

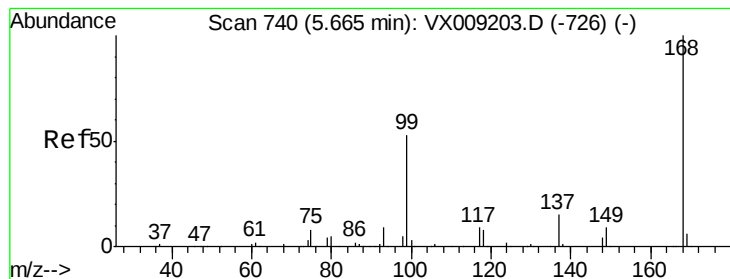
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051119\
Data File : VX009520.D
Acq On : 11 May 2019 13:10
Operator : JC/SP
Sample : K2781-01RE
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-WK-2

Quant Time: May 12 01:58:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 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: VX009520.D

Acq: 11 May 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

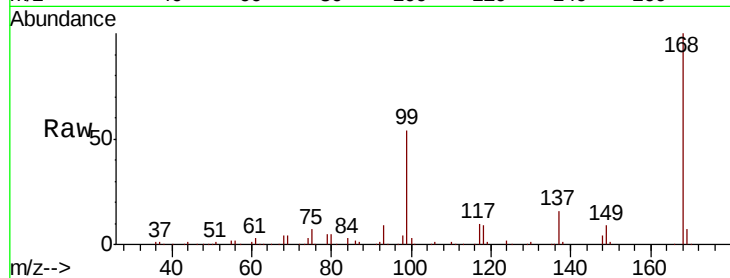
OUTFALL001-WK-2

Tot Ion:168 Resp: 188502

Ion Ratio Lower Upper

168 100

99 53.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

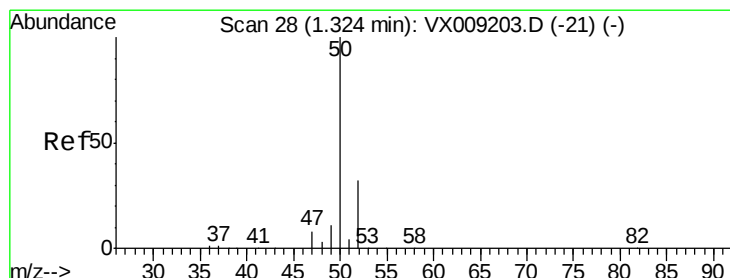
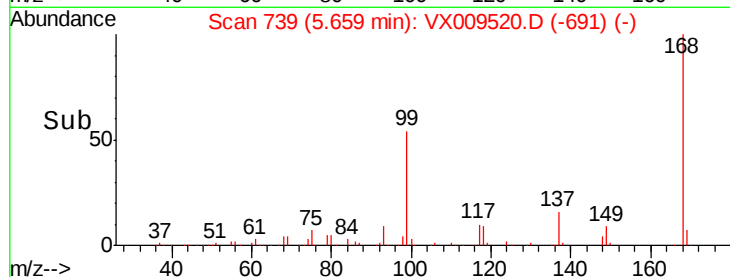
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.259 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009520.D

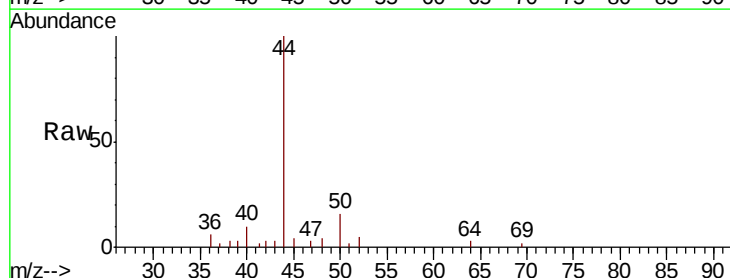
Acq: 11 May 2019 13:10

Tgt Ion: 50 Resp: 614

Ion Ratio Lower Upper

50 100

52 31.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

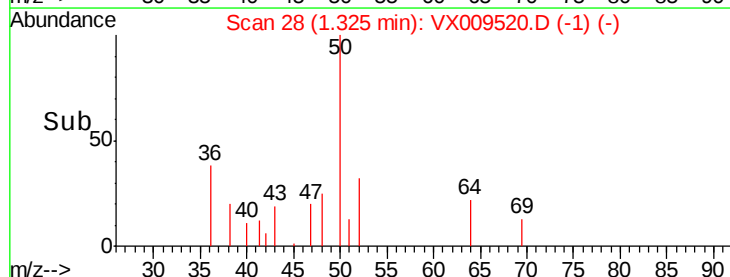
300

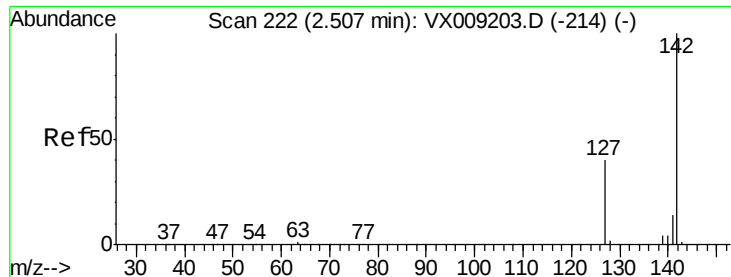
200

100

0

Time--> 1.25 1.30 1.35 1.40

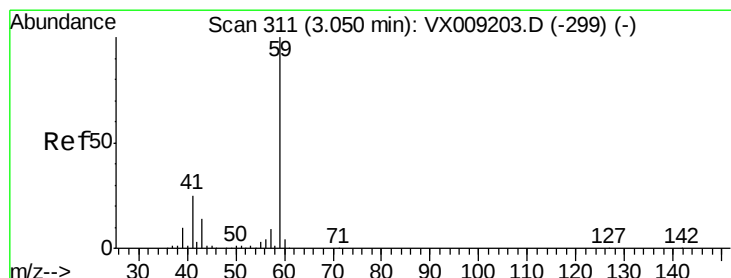
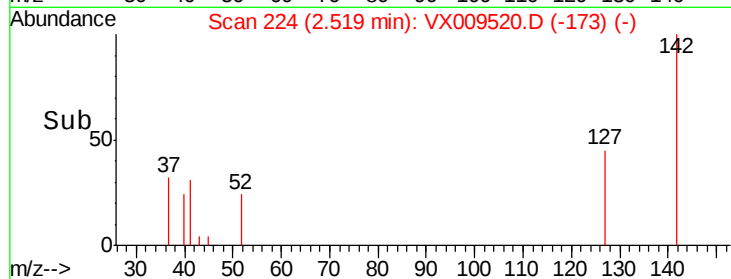
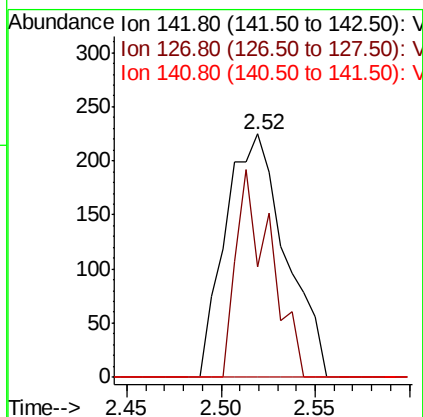
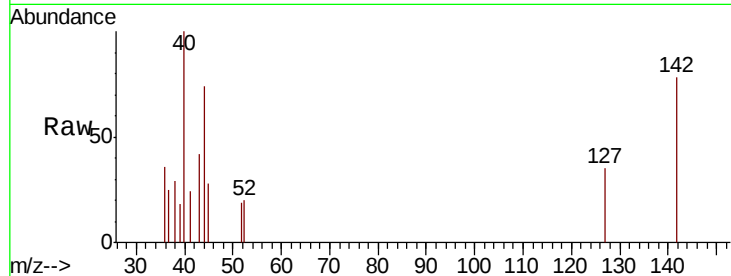




#10
Methvl Iodide
Concen: 4.813 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009520.D
Acq: 11 May 2019 13:10

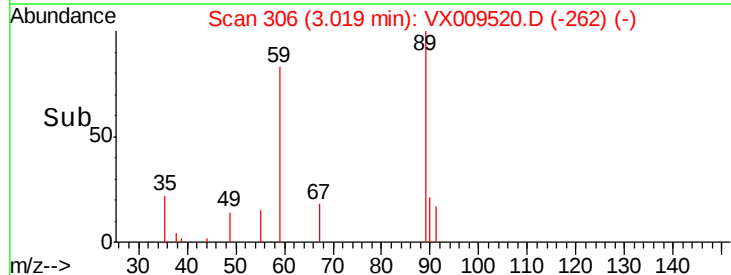
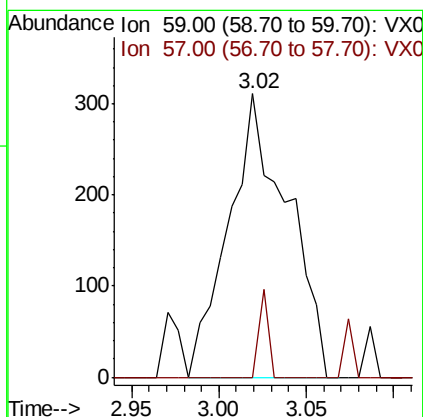
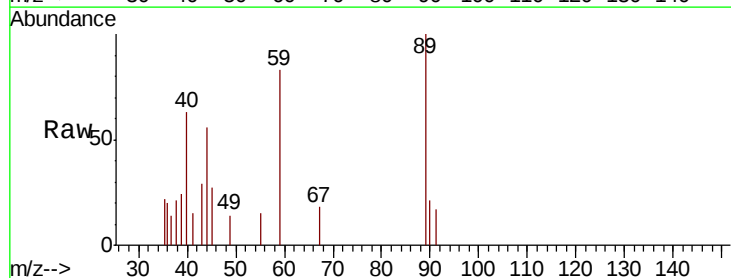
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-WK-2

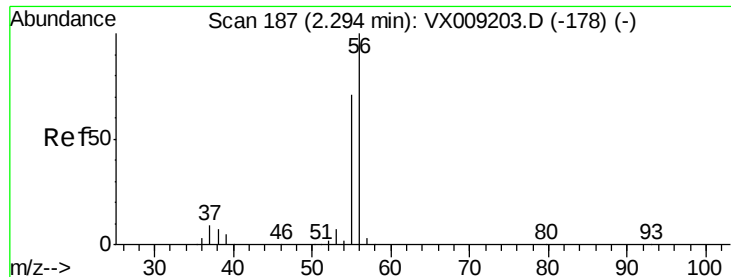
Tot Ion:142 Resp: 496
Ion Ratio Lower Upper
142 100
127 49.0 32.7 49.1
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.224 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009520.D
Acq: 11 May 2019 13:10

Tgt Ion: 59 Resp: 729
Ion Ratio Lower Upper
59 100
57 4.8 8.2 12.2#





#13

Acrolein

Concen: 0.247 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009520.D

Acq: 11 May 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

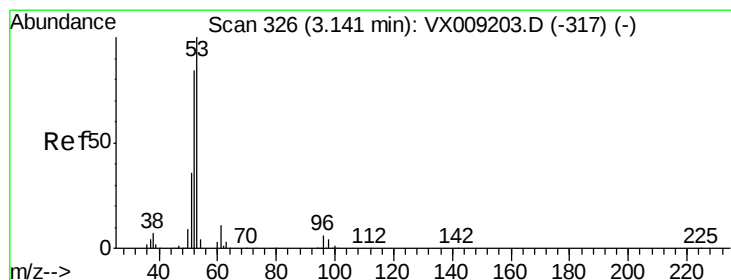
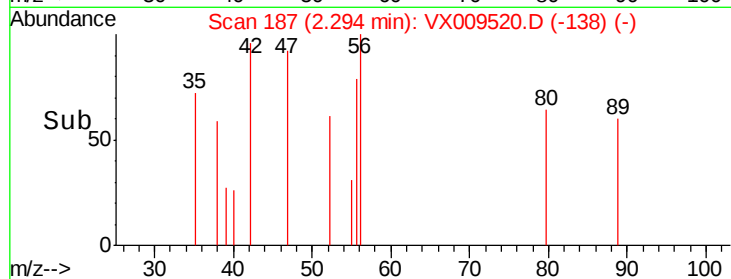
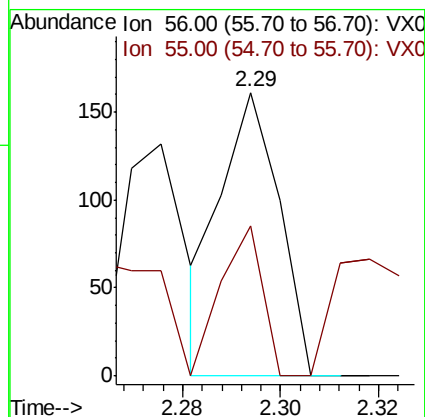
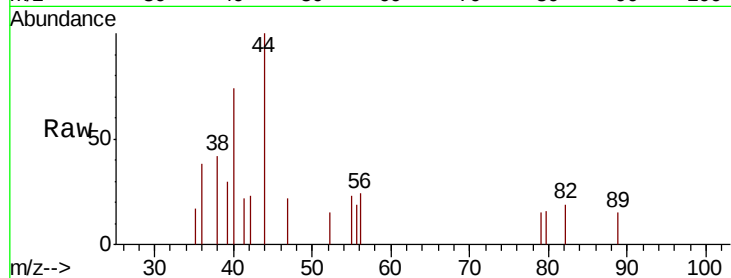
OUTFALL001-WK-2

Tot Ion: 56 Resp: 133

Ion Ratio Lower Upper

56 100

55 38.3 56.6 85.0#



#15

Acrylonitrile

Concen: 0.266 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX009520.D

Acq: 11 May 2019 13:10

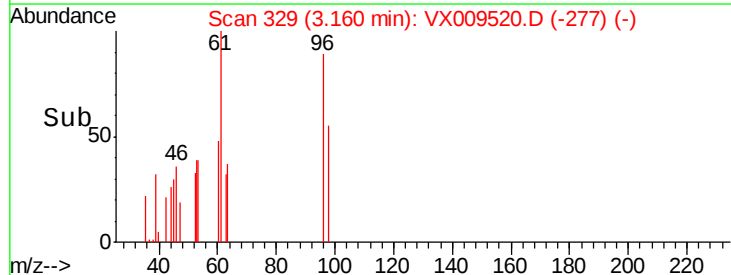
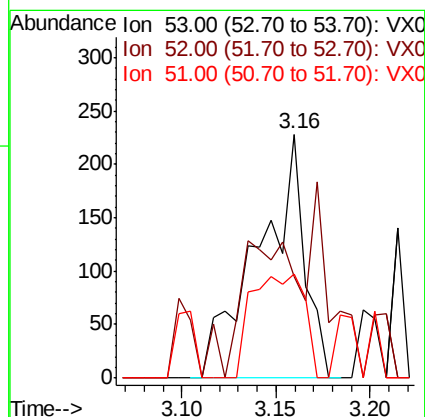
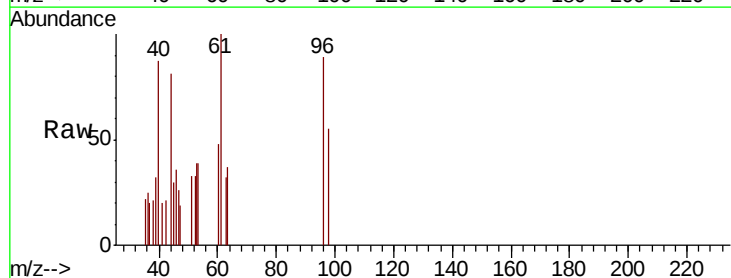
Tgt Ion: 53 Resp: 388

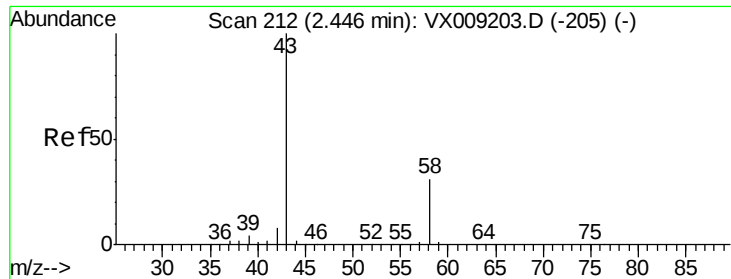
Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 48.7 28.2 42.2#





#16

Acetone

Concen: 2.641 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009520.D

Acq: 11 May 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

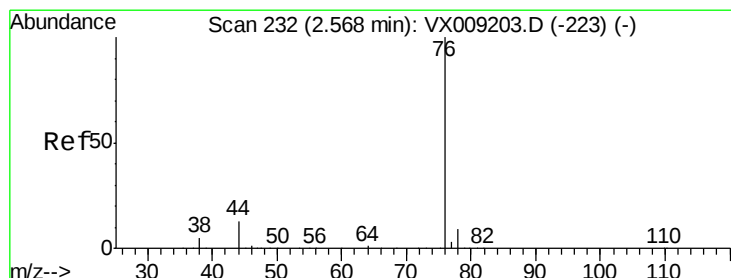
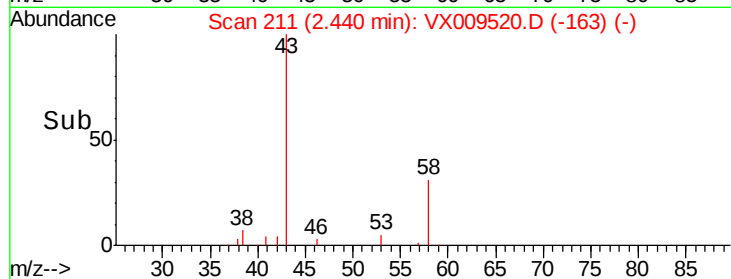
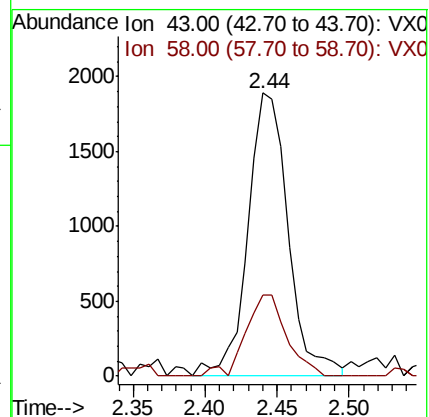
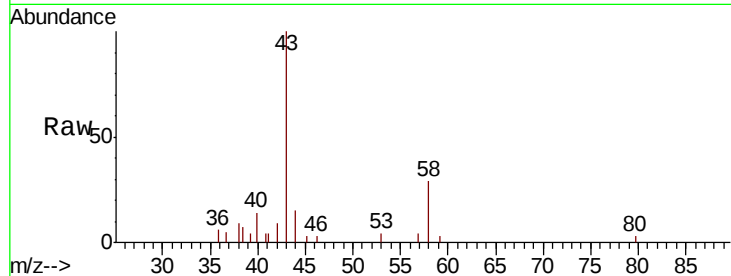
OUTFALL001-WK-2

Tot Ion: 43 Resp: 3649

Ion Ratio Lower Upper

43 100

58 28.8 24.9 37.3



#17

Carbon Disulfide

Concen: 0.224 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009520.D

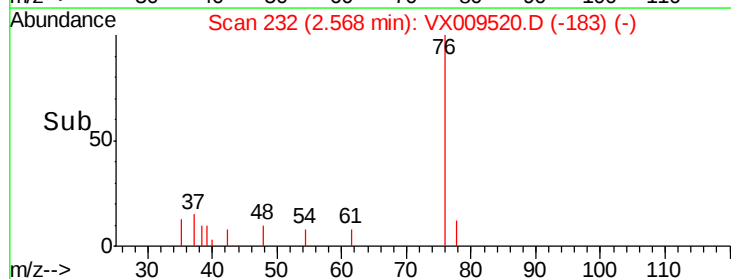
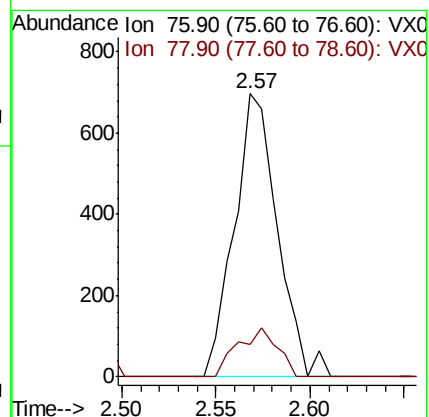
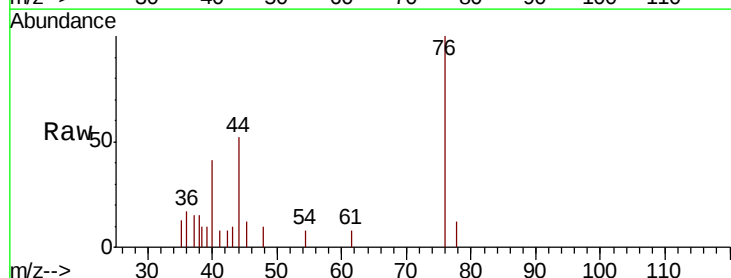
Acq: 11 May 2019 13:10

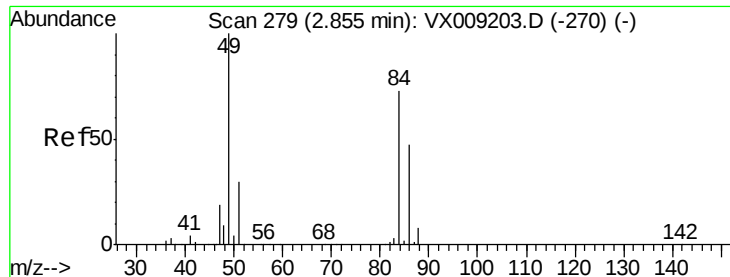
Tgt Ion: 76 Resp: 1111

Ion Ratio Lower Upper

76 100

78 11.6 7.4 11.0#

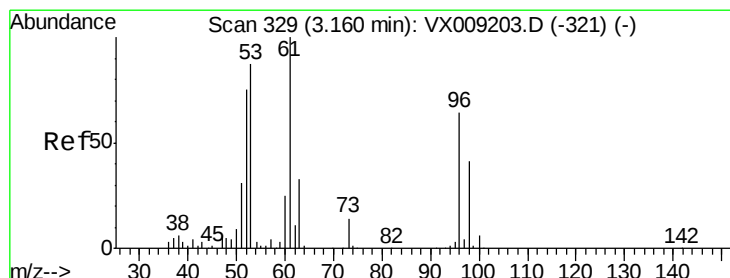
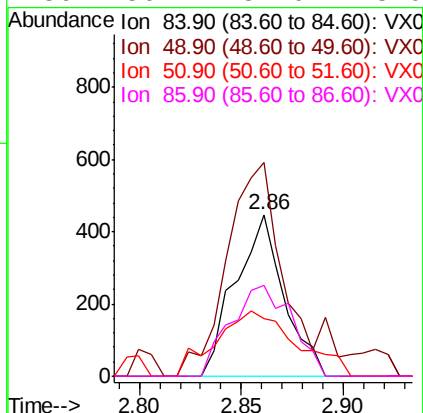
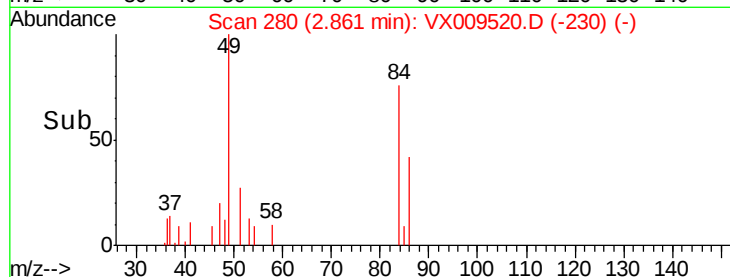
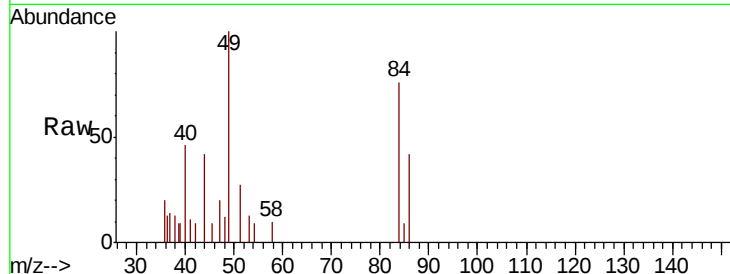




#20
Methylene Chloride
Concen: 0.331 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009520.D
Acq: 11 May 2019 13:10

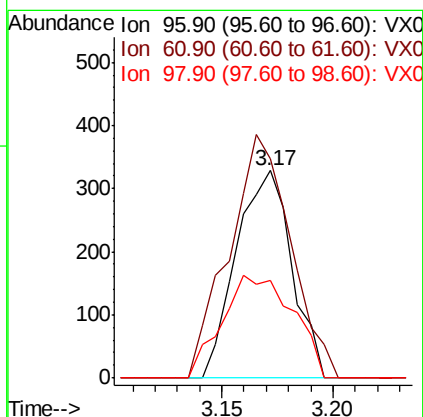
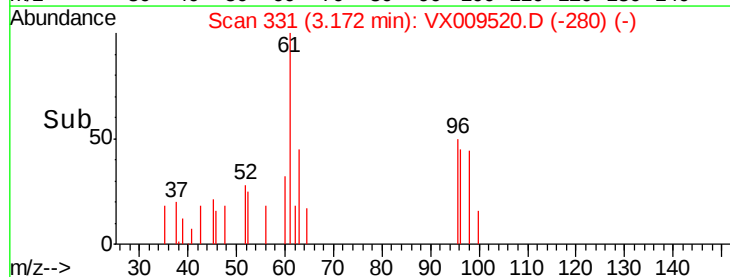
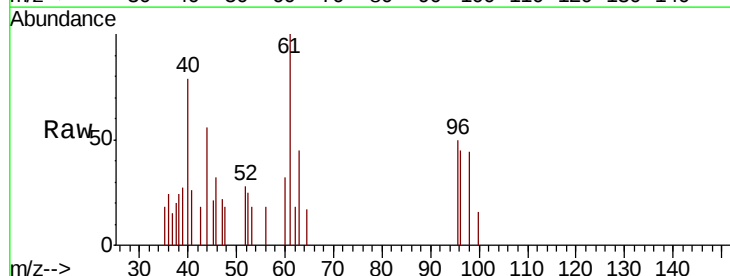
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-WK-2

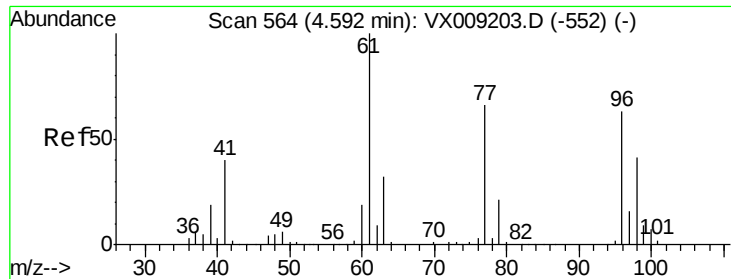
Tot Ion: 84 Resp: 741
Ion Ratio Lower Upper
84 100
49 120.1 109.9 164.9
51 23.3 32.7 49.1#
86 56.2 52.0 78.0



#21
trans-1,2-Dichloroethene
Concen: 0.296 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX009520.D
Acq: 11 May 2019 13:10

Tgt Ion: 96 Resp: 568
Ion Ratio Lower Upper
96 100
61 106.1 124.5 186.7#
98 47.0 50.4 75.6#



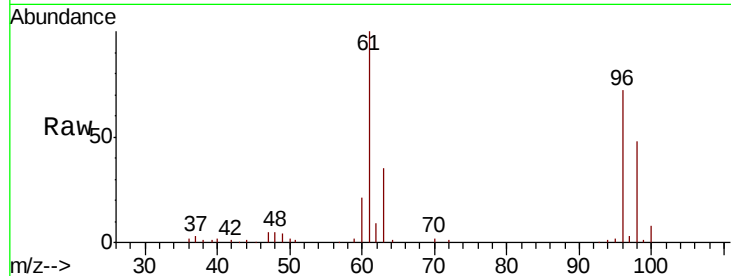


#27

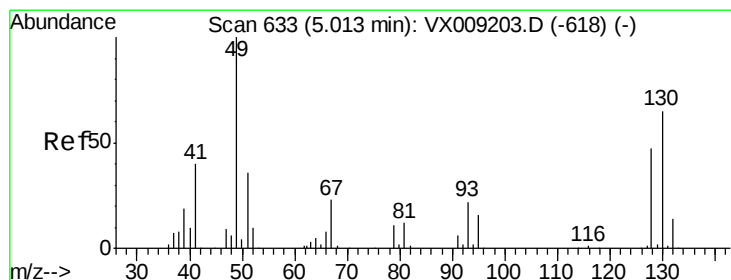
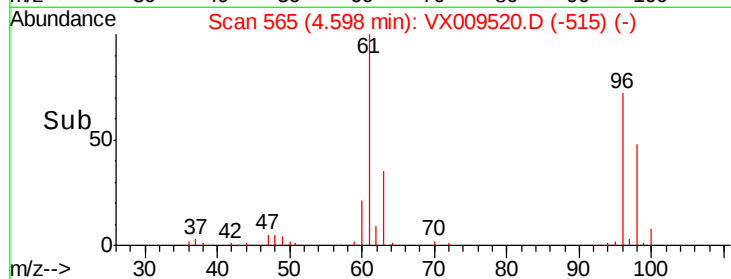
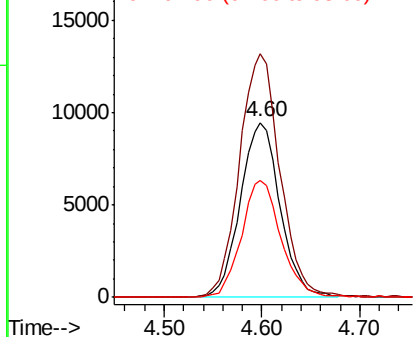
cis-1,2-Dichloroethene
 Concen: 11.624 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009520.D
 Acq: 11 May 2019 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-WK-2

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	324.0
98	66.5	0.0	130.4



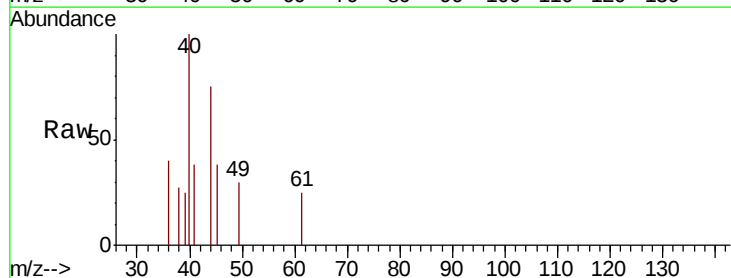
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



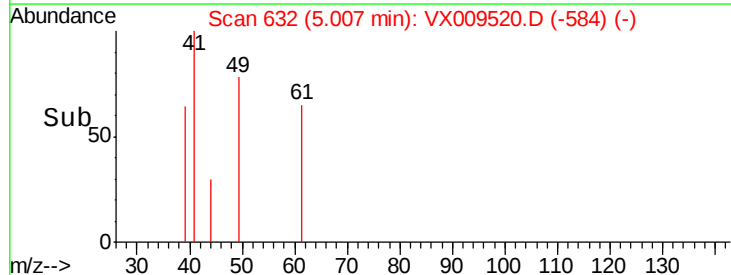
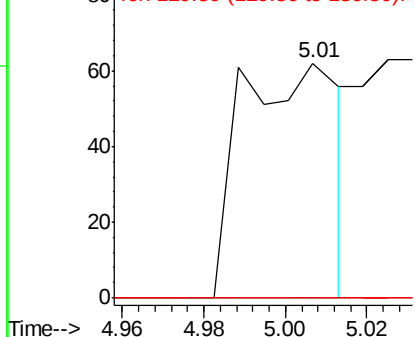
#28

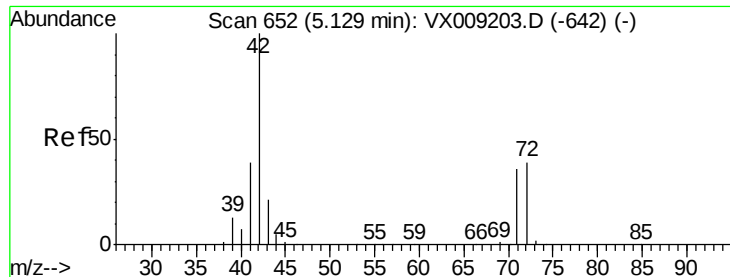
Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX009520.D
 Acq: 11 May 2019 13:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	51.2	76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.222 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX009520.D

Acq: 11 May 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-WK-2

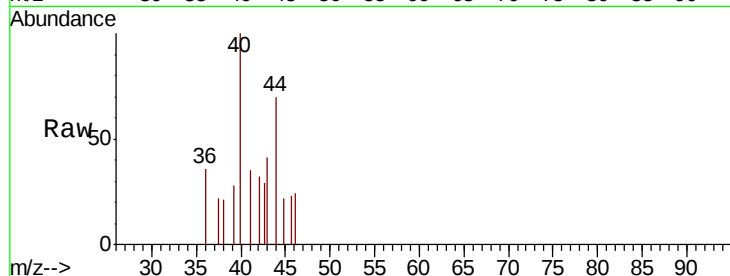
Tot Ion: 42 Resp: 307

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

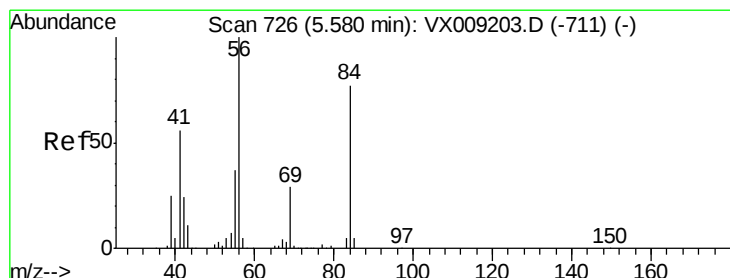
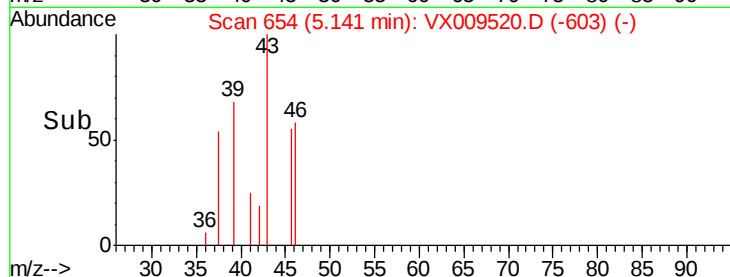
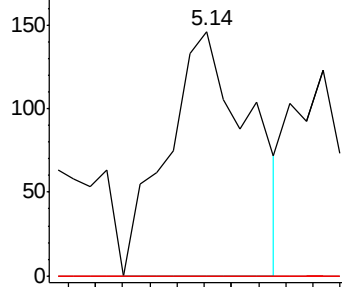
71 0.0 28.6 43.0#



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



#31

Cyclohexane

Concen: 1.093 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009520.D

Acq: 11 May 2019 13:10

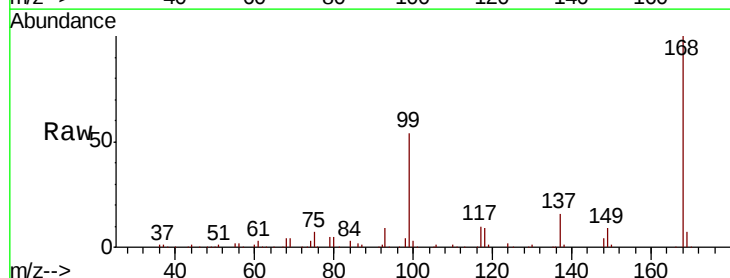
Tgt Ion: 56 Resp: 4159

Ion Ratio Lower Upper

56 100

69 177.1 23.4 35.0#

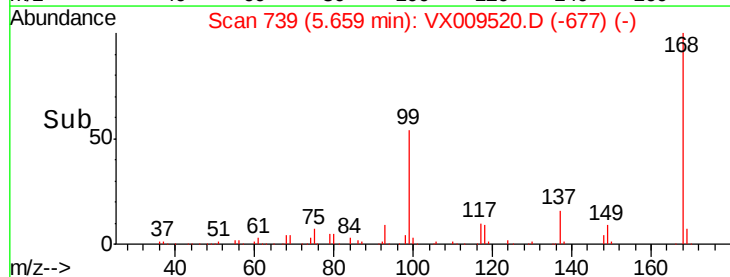
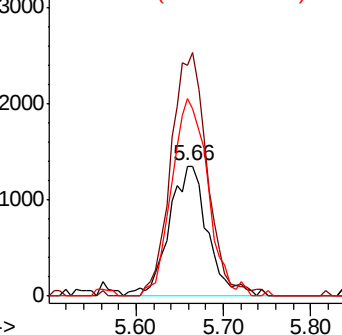
84 151.4 61.9 92.9#

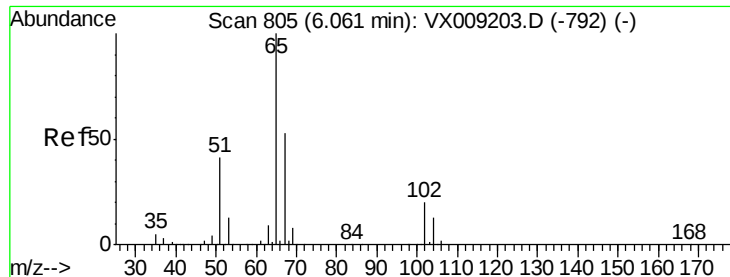


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

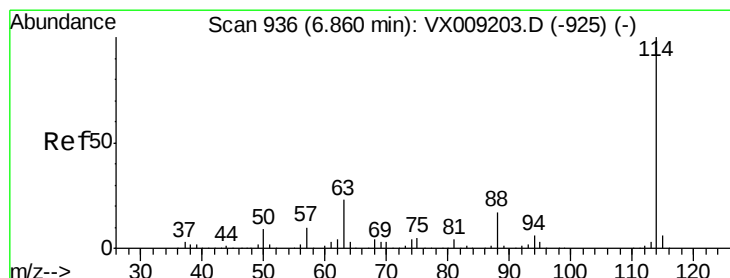
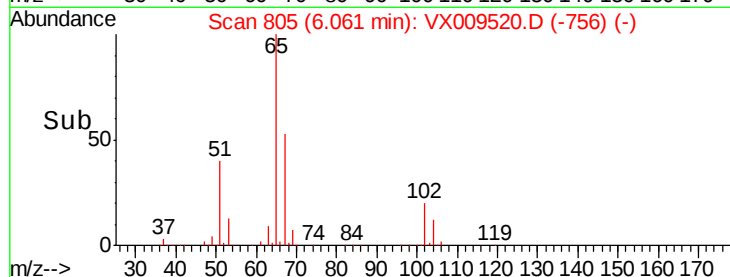
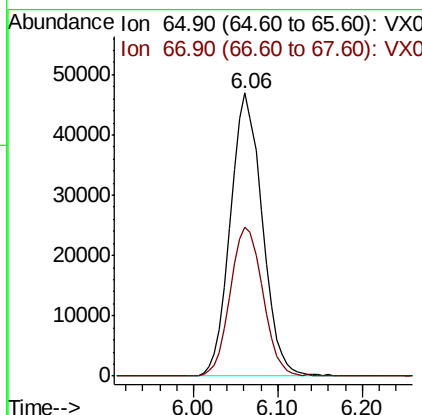
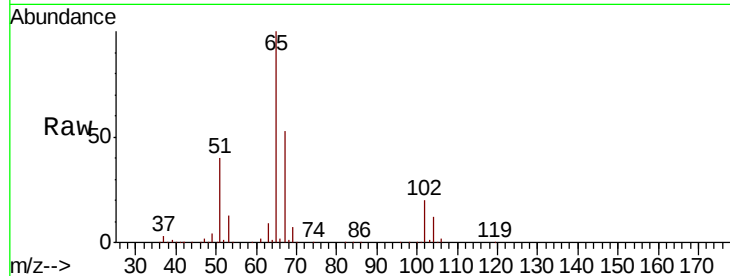




#33
 1,2-Dichloroethane-d4
 Concen: 47.024 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009520.D
 Acq: 11 May 2019 13:10

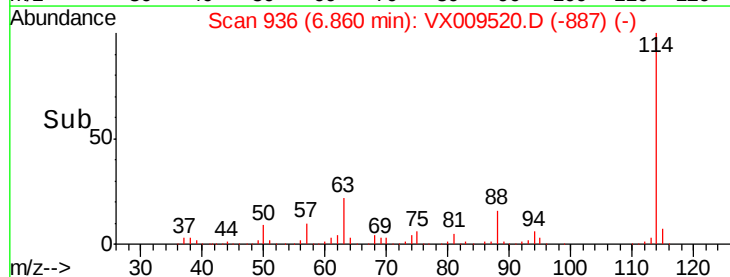
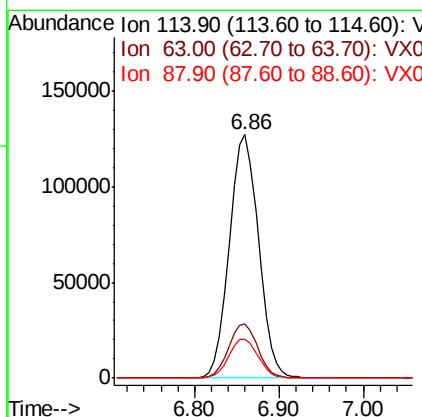
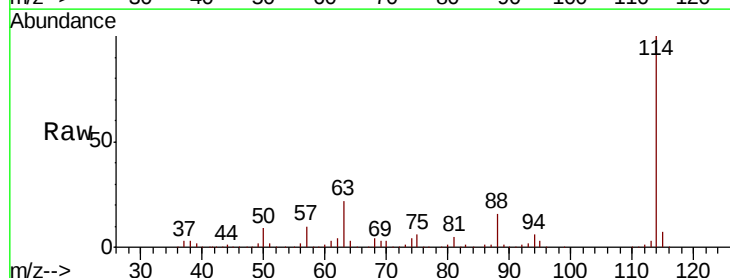
Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-WK-2

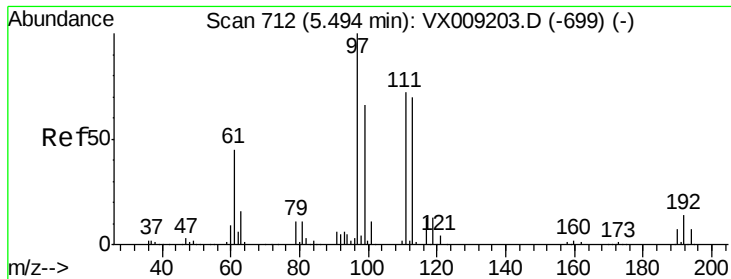
Tot Ion: 65 Resp: 121005
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009520.D
 Acq: 11 May 2019 13:10

Tgt Ion: 114 Resp: 298963
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.6
 88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.659 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009520.D

Acq: 11 May 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-WK-2

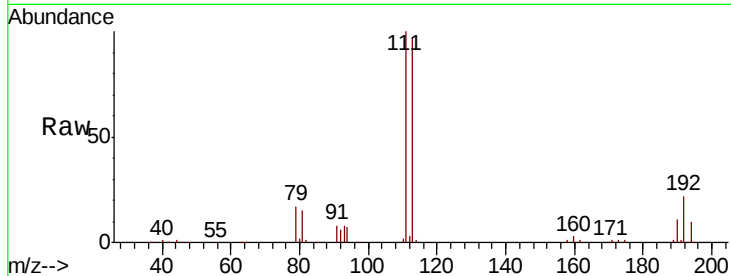
Tot Ion:113 Resp: 89571

Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

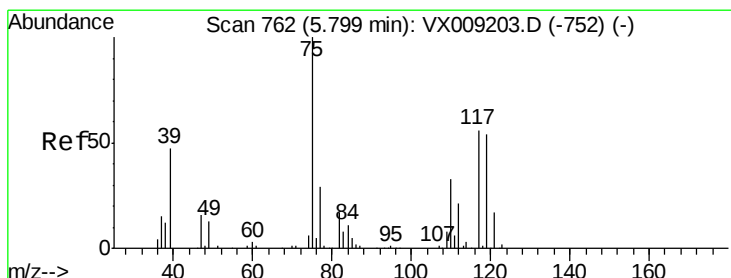
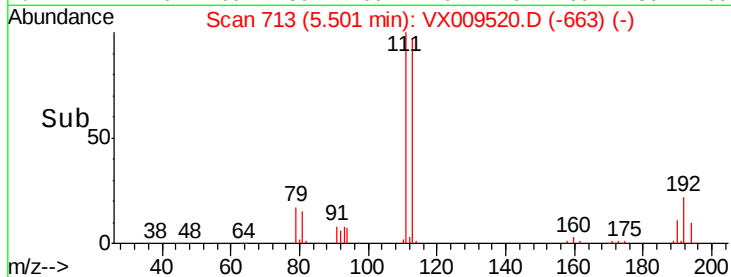
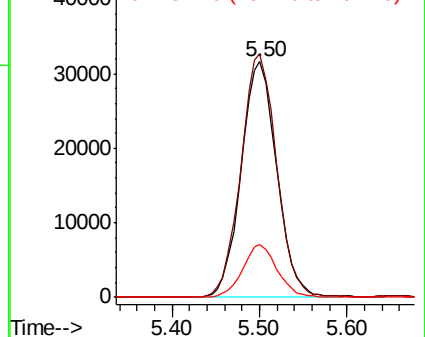
192 21.9 17.0 25.6



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: 5.160 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009520.D

Acq: 11 May 2019 13:10

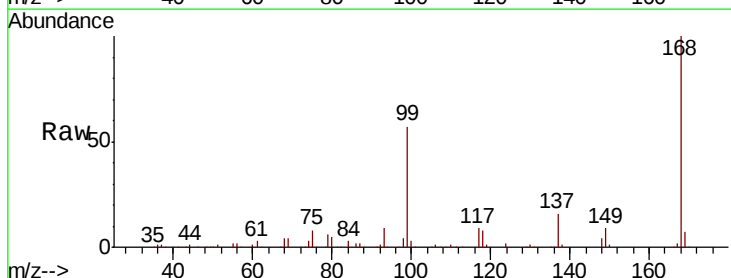
Tgt Ion: 75 Resp: 14337

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

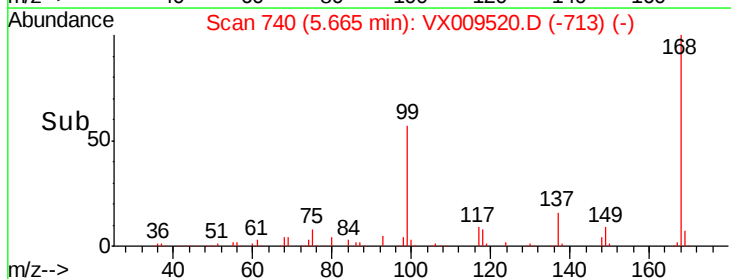
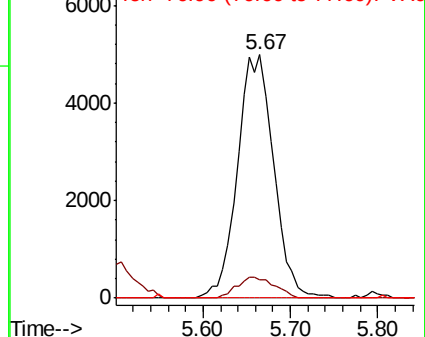
77 0.0 24.8 37.2#

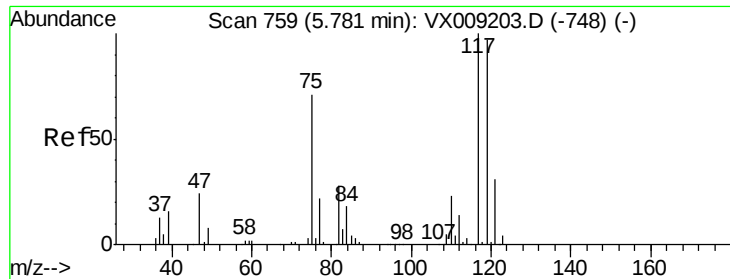


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.911 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009520.D

Acq: 11 May 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-WK-2

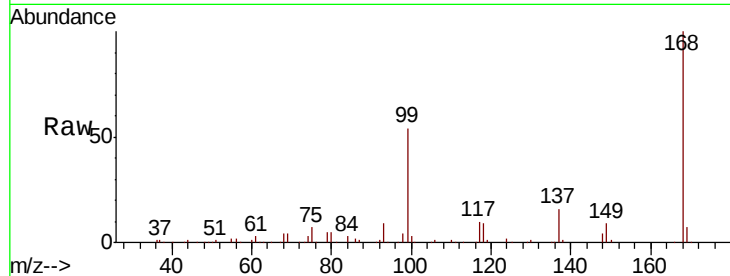
Tot Ion:117 Resp: 17445

Ion Ratio Lower Upper

117 100

119 5.8 77.5 116.3#

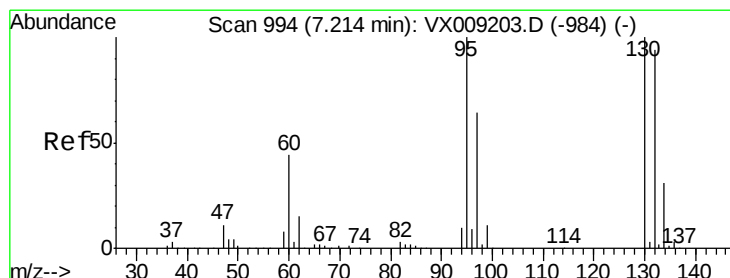
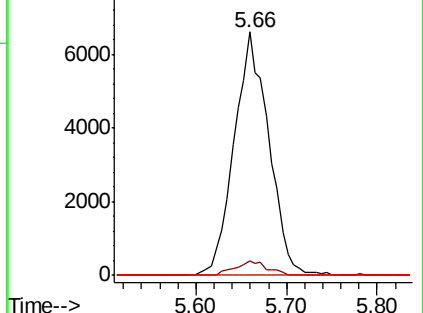
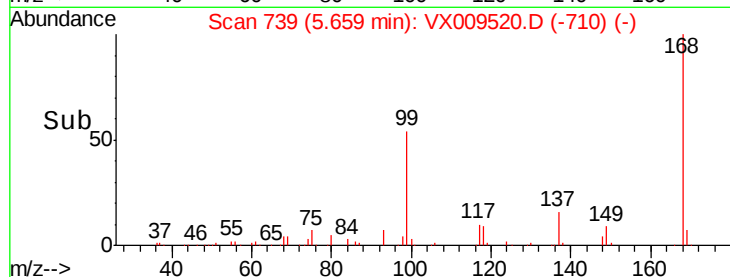
121 0.0 24.7 37.1#



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: 0.221 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX009520.D

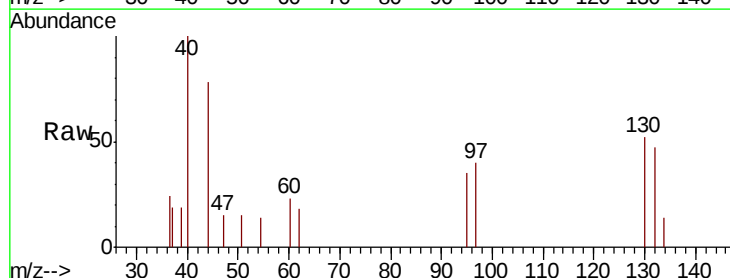
Acq: 11 May 2019 13:10

Tgt Ion:130 Resp: 459

Ion Ratio Lower Upper

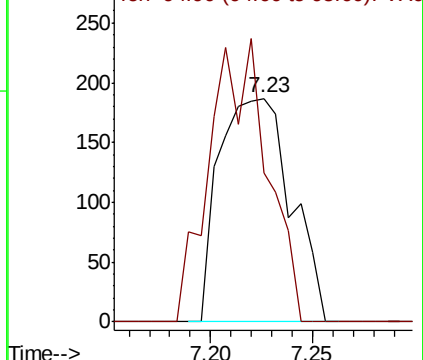
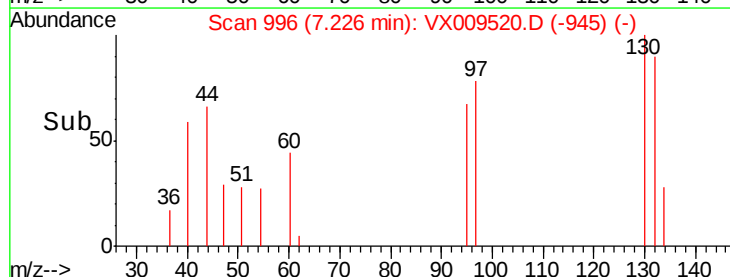
130 100

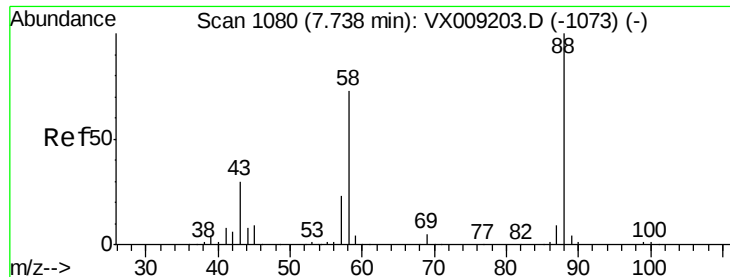
95 66.8 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

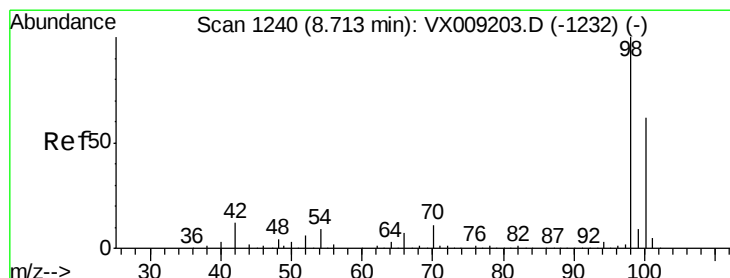
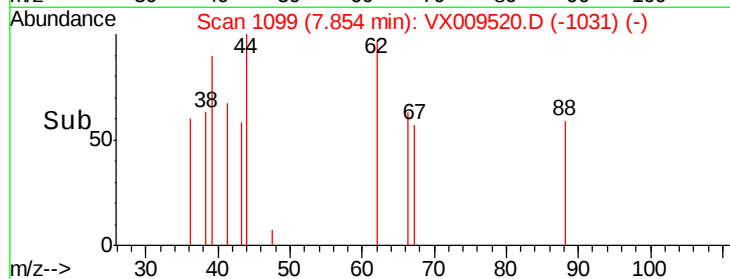
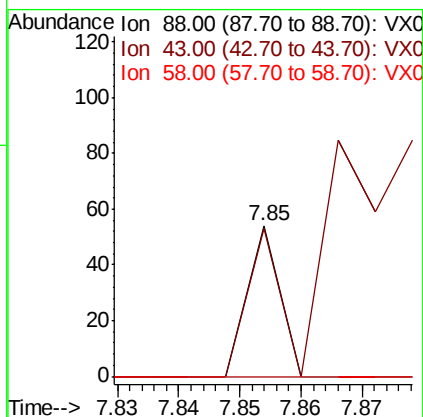
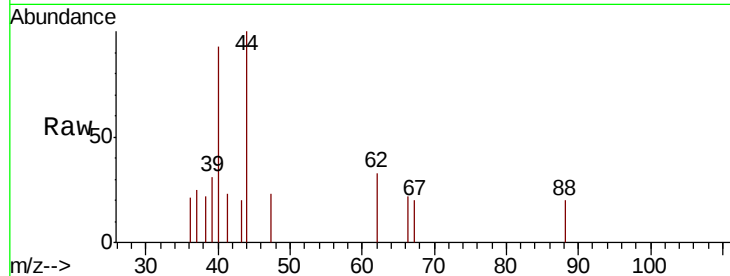




#49
 1,4-Dioxane
 Concen: 0.321 ug/l
 RT: 7.85 min Scan# 1099
 Delta R.T. 0.12 min
 Lab File: VX009520.D
 Acq: 11 May 2019 13:10

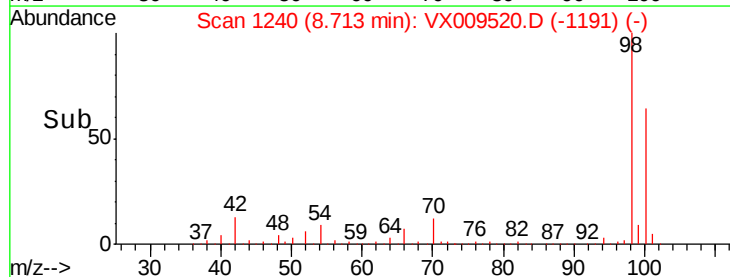
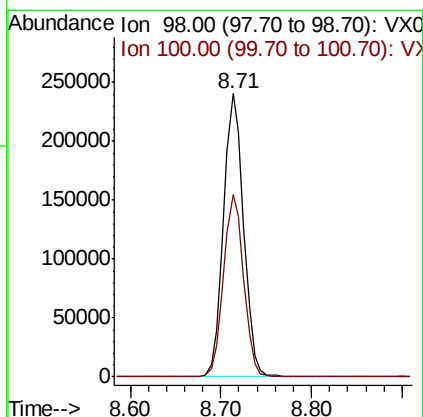
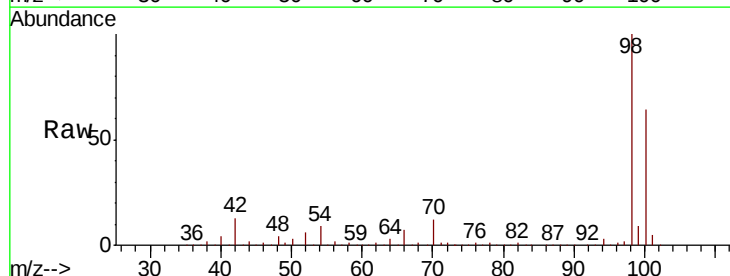
Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-WK-2

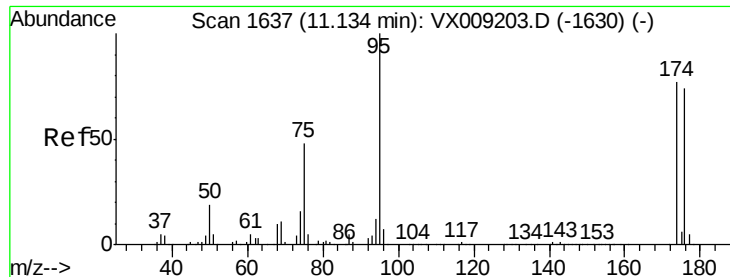
Tot Ion: 88 Resp: 20
 Ion Ratio Lower Upper
 88 100
 43 0.0 28.6 42.8#
 58 0.0 61.7 92.5#



#50
 Toluene-d8
 Concen: 48.852 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009520.D
 Acq: 11 May 2019 13:10

Tgt Ion: 98 Resp: 370667
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 44.465 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009520.D

Acq: 11 May 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-WK-2

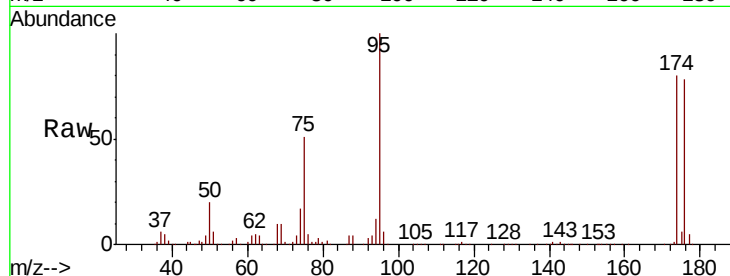
Tot Ion: 95 Resp: 122593

Ion Ratio Lower Upper

95 100

174 83.6 0.0 161.6

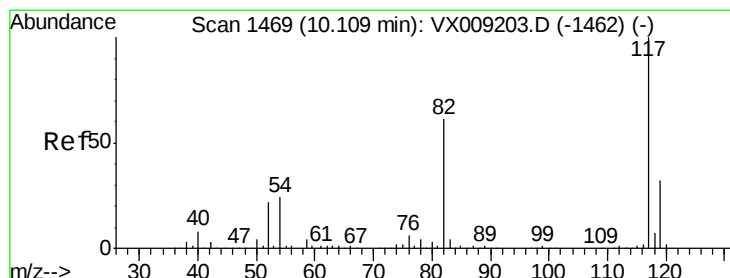
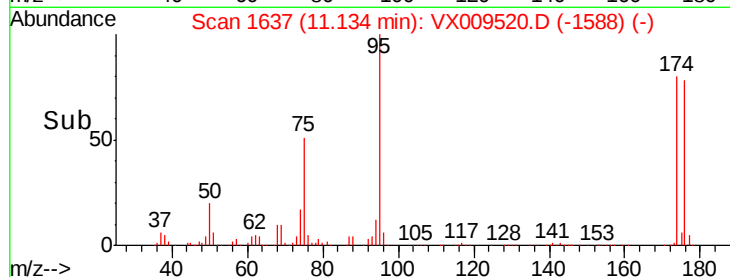
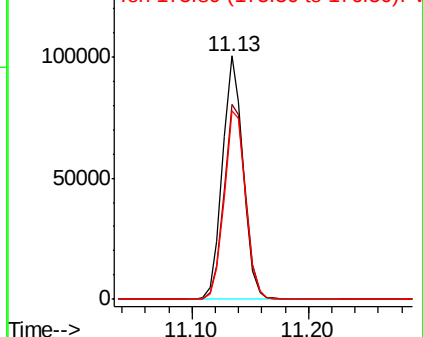
176 80.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009520.D

Acq: 11 May 2019 13:10

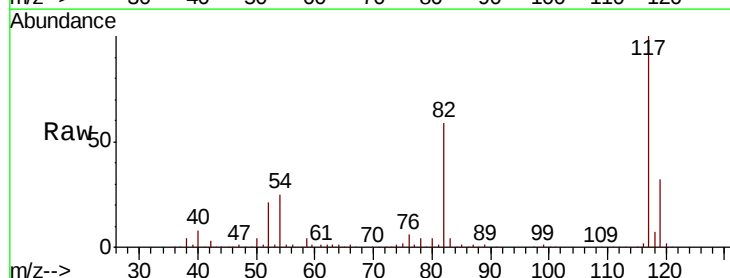
Tgt Ion: 117 Resp: 260467

Ion Ratio Lower Upper

117 100

82 59.3 48.8 73.2

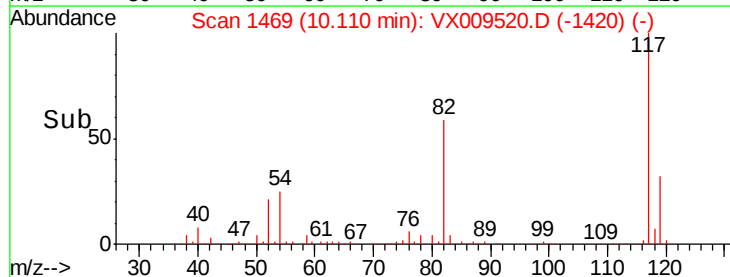
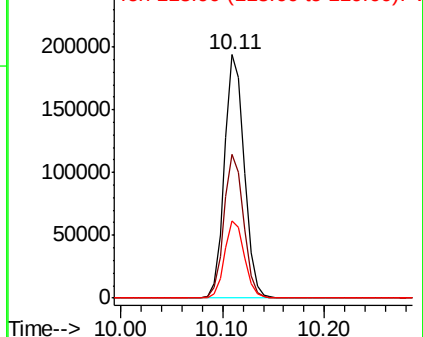
119 31.9 25.8 38.6

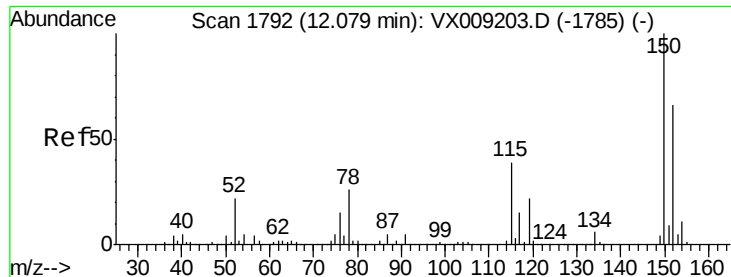


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009520.D

Acq: 11 May 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-WK-2

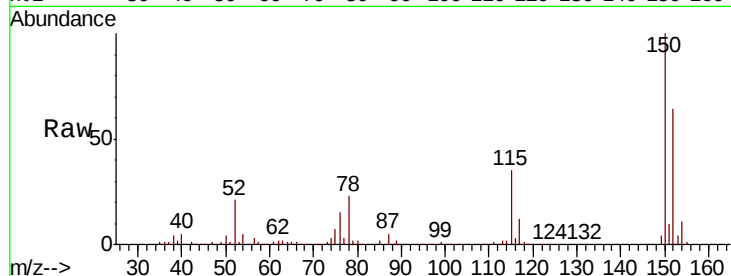
Tot Ion:152 Resp: 111986

Ion Ratio Lower Upper

152 100

115 57.7 41.2 123.6

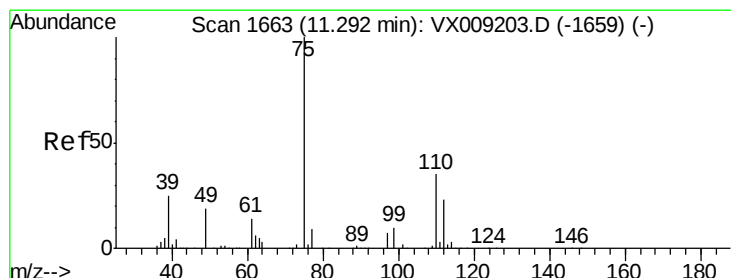
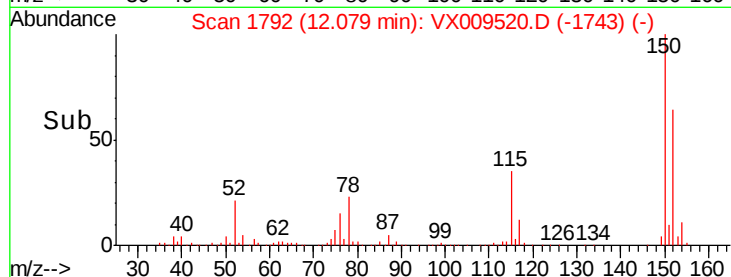
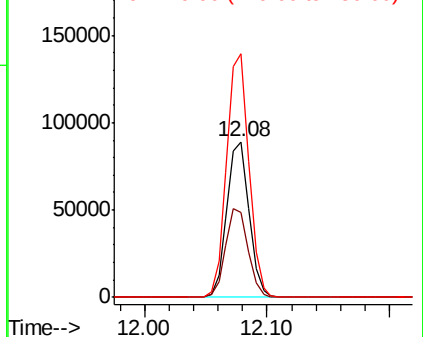
150 156.3 0.0 346.4



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: 24.033 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009520.D

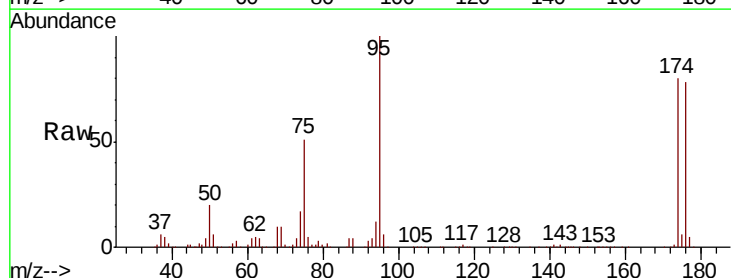
Acq: 11 May 2019 13:10

Tgt Ion: 75 Resp: 62429

Ion Ratio Lower Upper

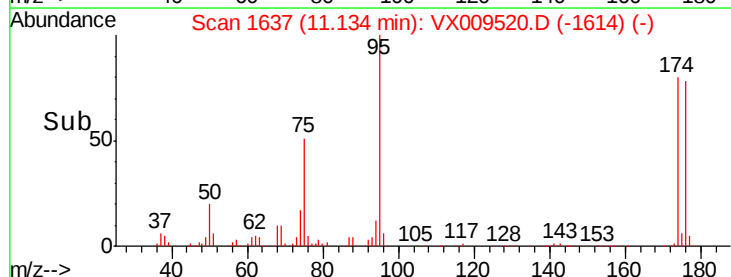
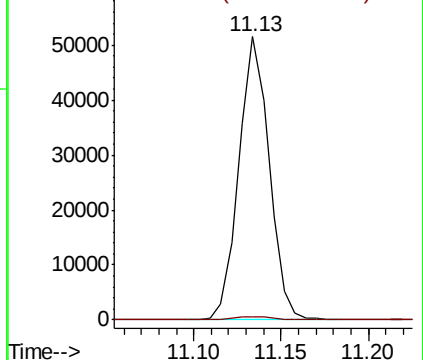
75 100

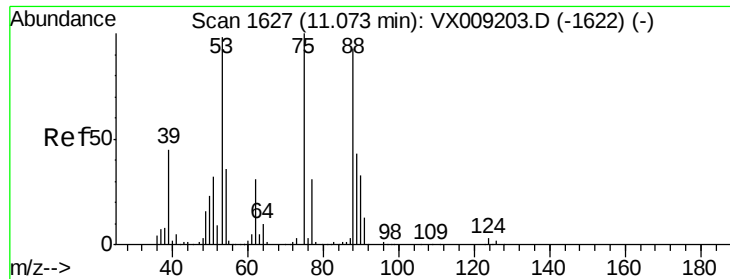
77 1.5 22.1 66.1#



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: 61.491 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009520.D

Acq: 11 May 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-WK-2

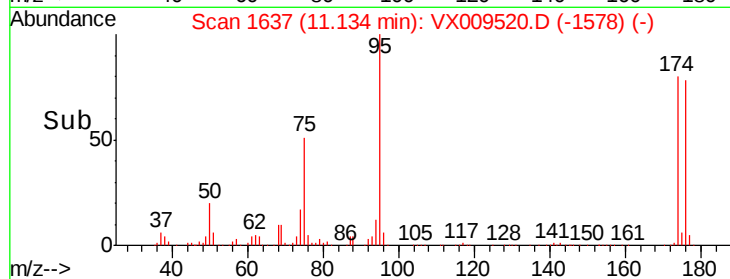
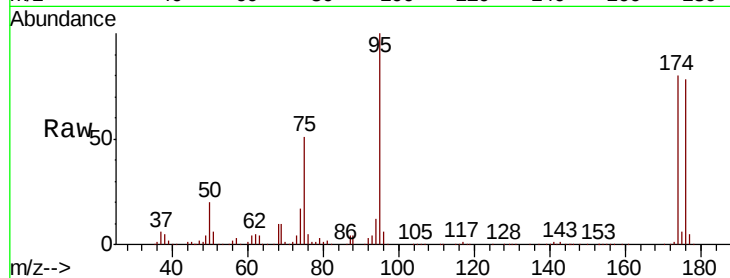
Tot Ion: 75 Resp: 62429

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



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

