

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052020\
 Data File : VX016371.D
 Acq On : 20 May 2020 19:23
 Operator : JC/SP
 Sample : L2723-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-200519

Quant Time: May 21 03:55:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	246945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	408813	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	398813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197557	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	144081	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	
35) Dibromofluoromethane	5.47	113	119345	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	
50) Toluene-d8	8.70	98	506772	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	11.12	95	198826	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	

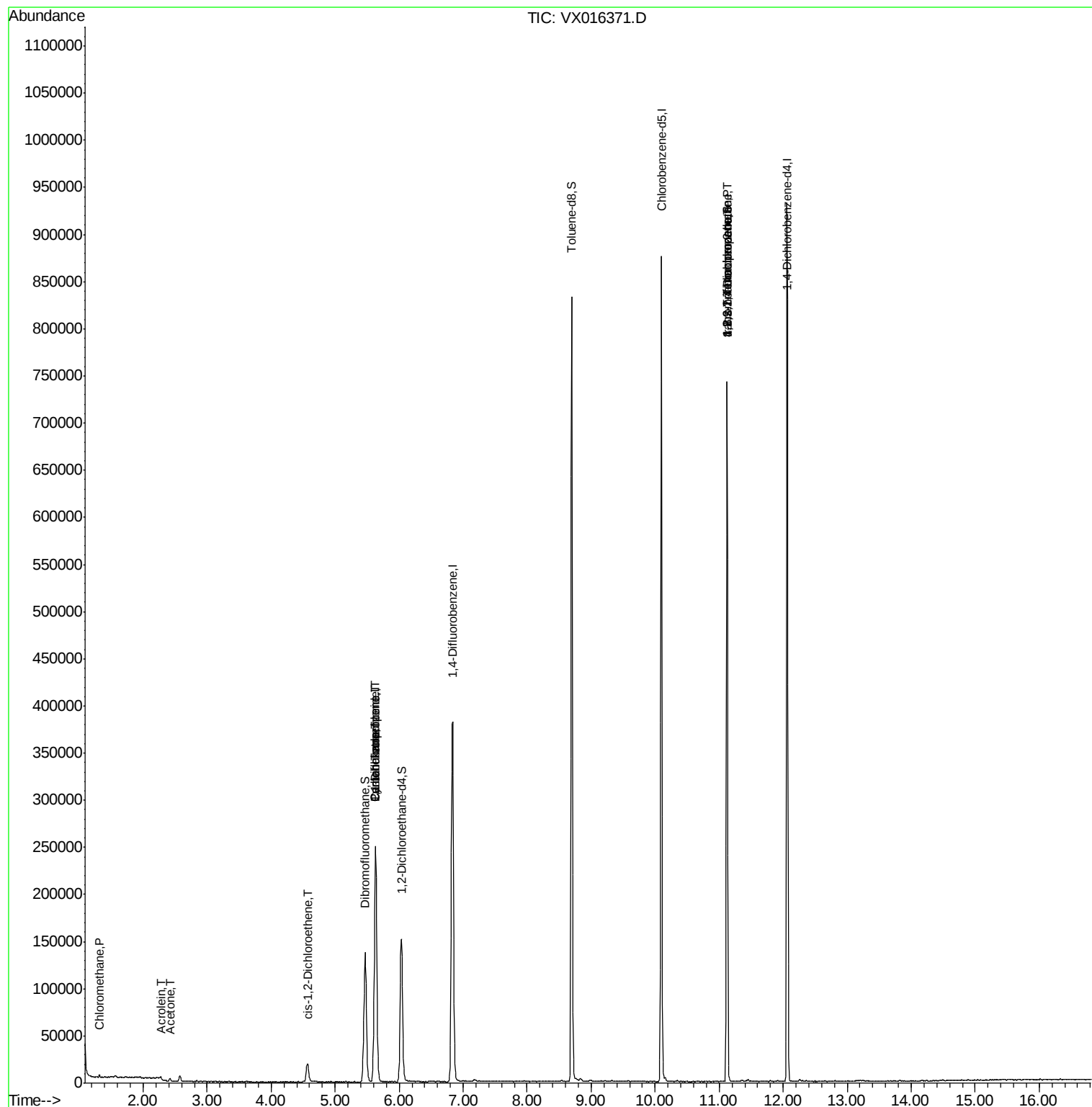
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1718	0.566	ug/l	96
13) Acrolein	2.29	56	338	0.657	ug/l	90
16) Acetone	2.42	43	2636	1.818	ug/l	92
17) Carbon Disulfide	2.55	76	833	Below Cal	#	79
27) cis-1,2-Dichloroethene	4.57	96	13310	4.256	ug/l	84
31) Cyclohexane	5.62	56	4507	0.998	ug/l	# 1
36) 1,1-Dichloropropene	5.63	75	17568	4.366	ug/l	# 49
38) Carbon Tetrachloride	5.63	117	23237	5.681	ug/l	# 15
75) 1,1,2,2-Tetrachloroethane	11.12	83	103	2.087	ug/l	# 1
76) 1,2,3-Trichloropropane	11.12	75	96443	21.513	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.12	75	96443	51.267	ug/l	# 13

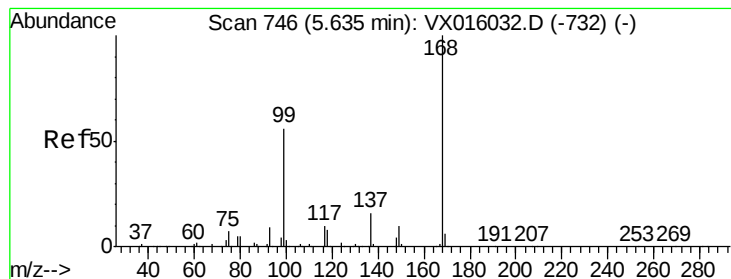
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016371.D

Acq: 20 May 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

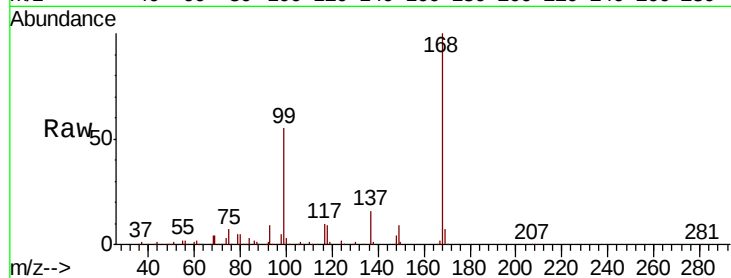
OUTFALL001-200519

Tot Ion:168 Resp: 246945

Ion Ratio Lower Upper

168 100

99 55.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

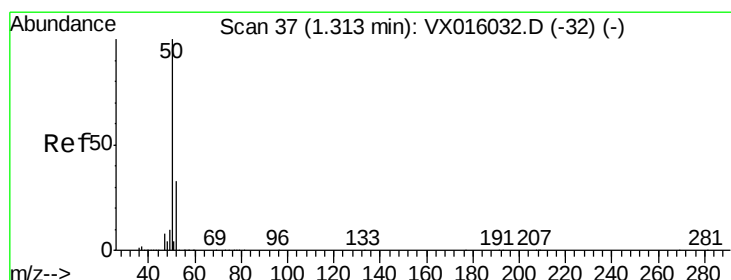
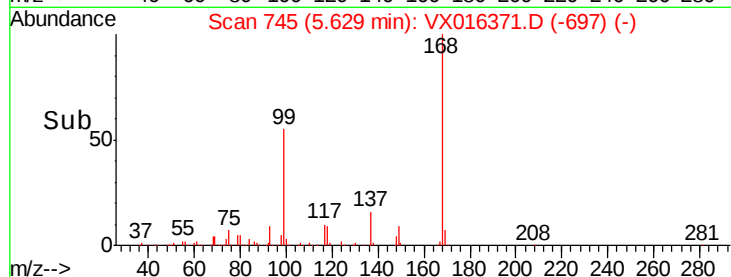
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.566 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016371.D

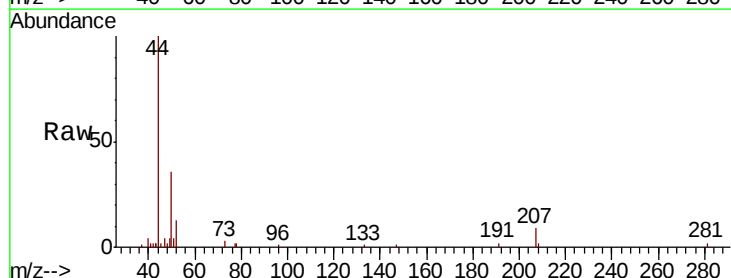
Acq: 20 May 2020 19:23

Tgt Ion: 50 Resp: 1718

Ion Ratio Lower Upper

50 100

52 35.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

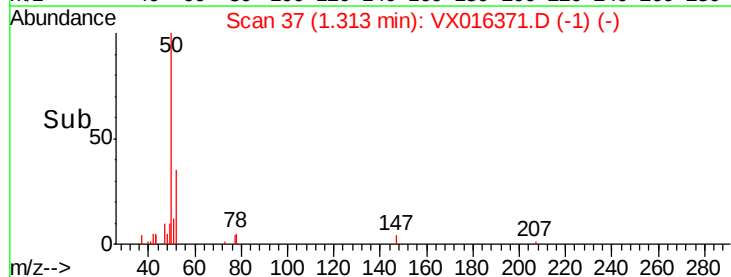
1500

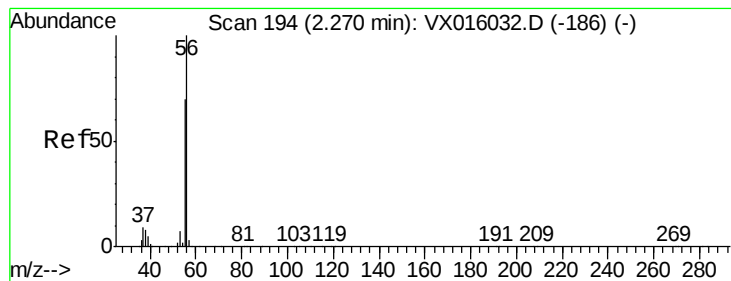
1000

500

0

Time-->





#13

Acrolein

Concen: 0.657 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX016371.D

Acq: 20 May 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

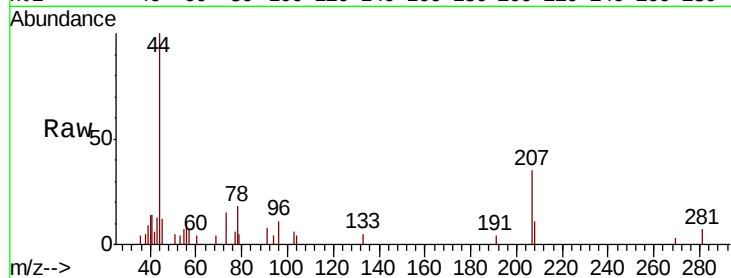
OUTFALL001-200519

Tot Ion: 56 Resp: 338

Ion Ratio Lower Upper

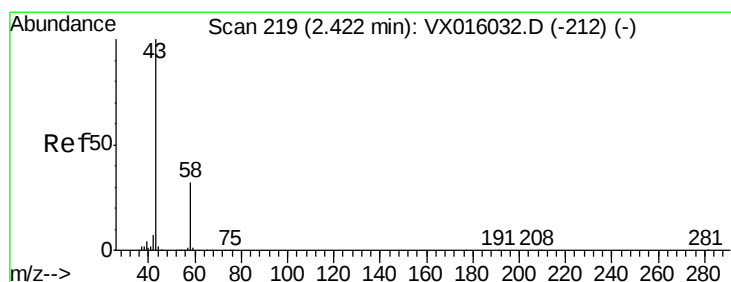
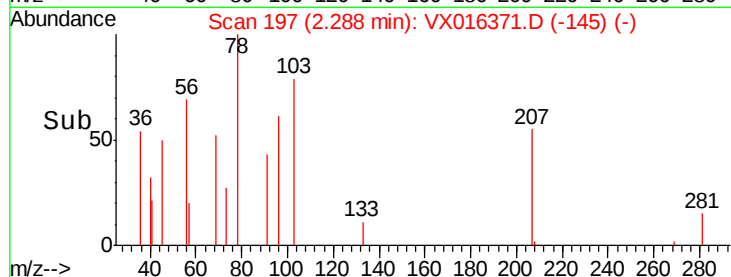
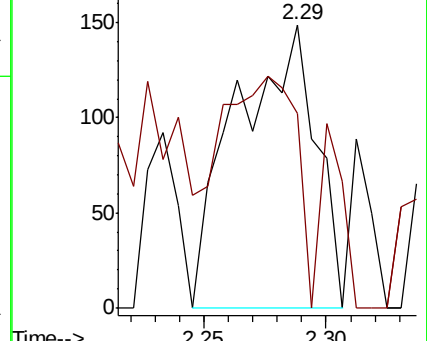
56 100

55 79.0 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.818 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016371.D

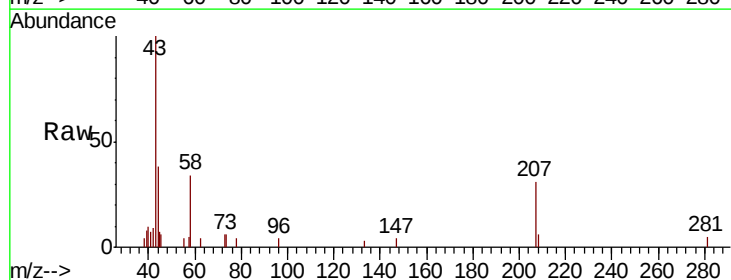
Acq: 20 May 2020 19:23

Tgt Ion: 43 Resp: 2636

Ion Ratio Lower Upper

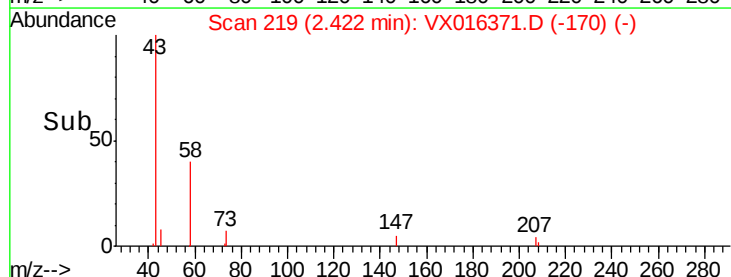
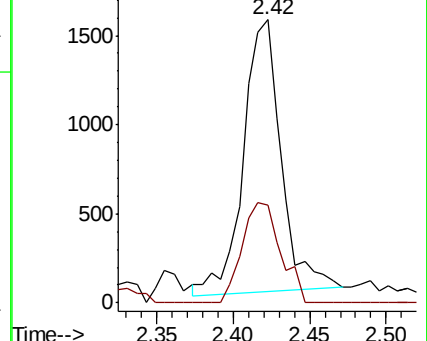
43 100

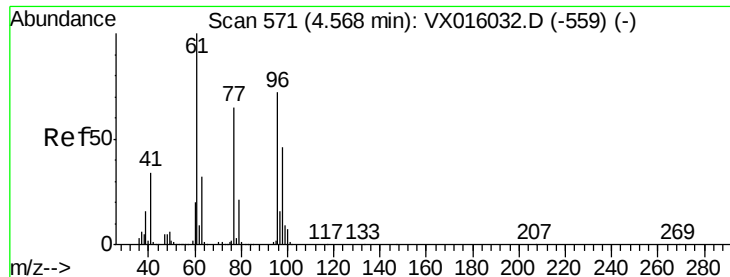
58 36.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 4.256 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016371.D

Acq: 20 May 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-200519

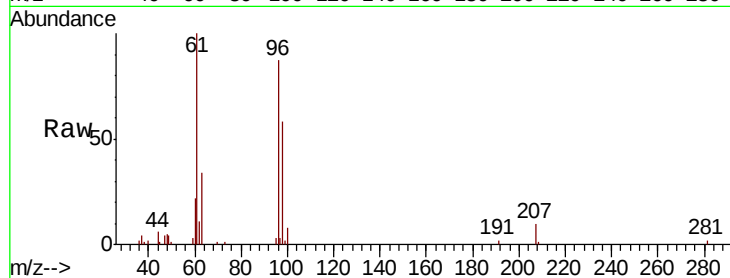
Tot Ion: 96 Resp: 13310

Ion Ratio Lower Upper

96 100

61 120.2 0.0 296.2

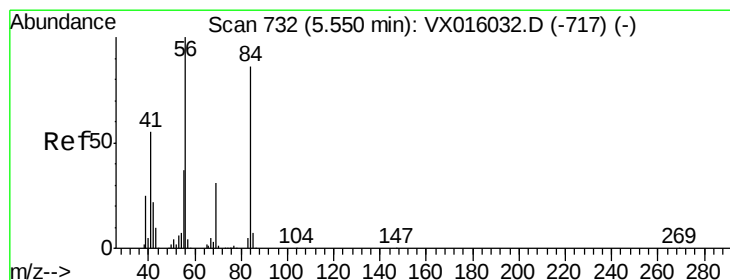
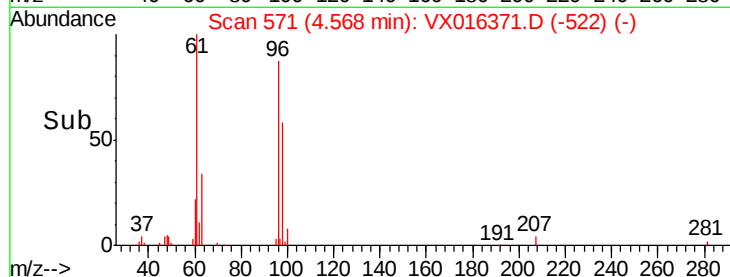
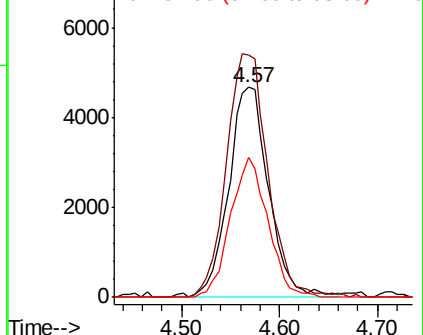
98 62.1 0.0 129.4



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



#31

Cyclohexane

Concen: 0.998 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX016371.D

Acq: 20 May 2020 19:23

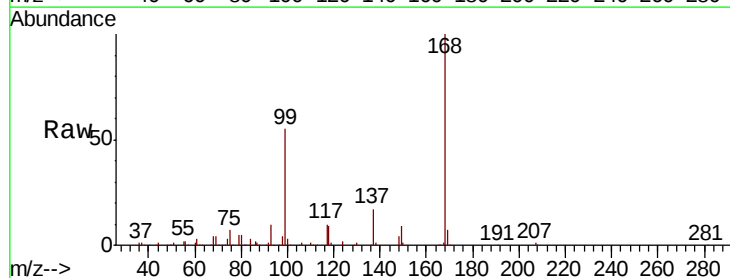
Tgt Ion: 56 Resp: 4507

Ion Ratio Lower Upper

56 100

69 194.2 25.0 37.6#

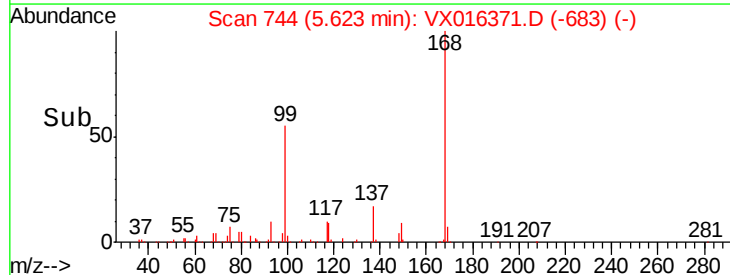
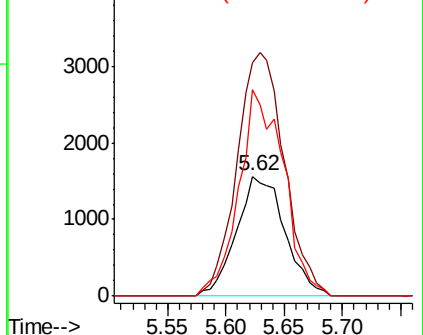
84 172.5 69.0 103.6#

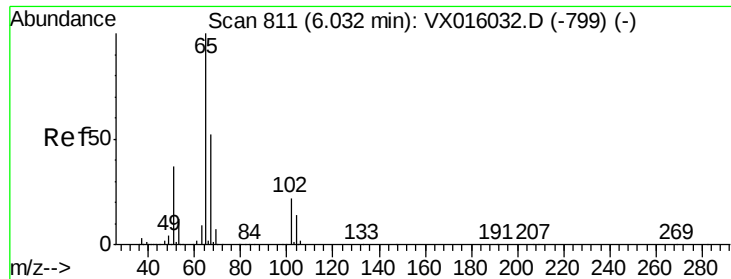


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 44.339 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016371.D

Acq: 20 May 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

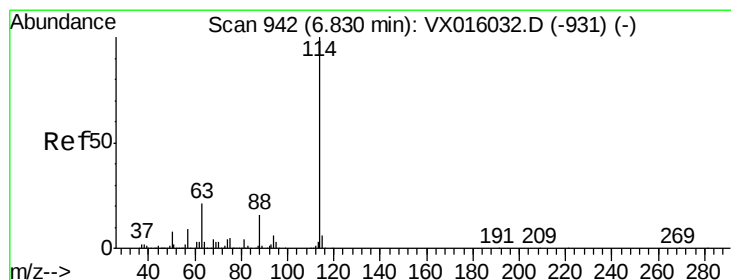
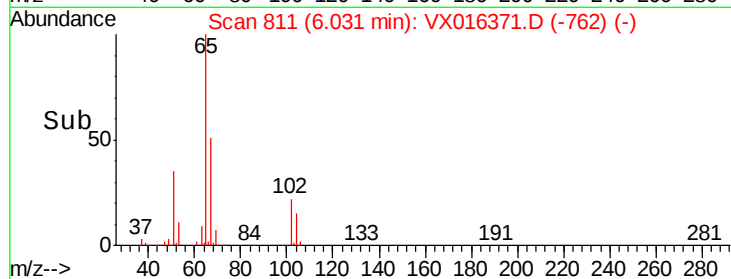
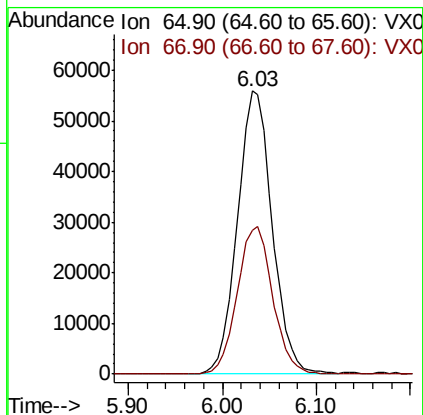
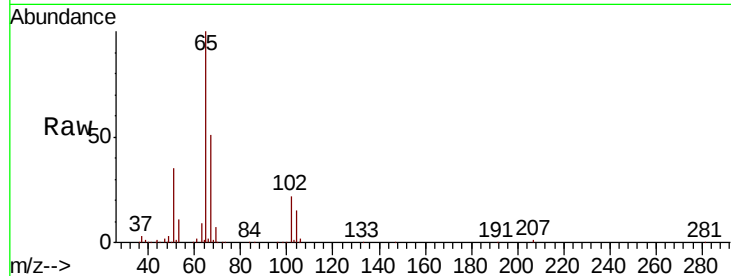
OUTFALL001-200519

Tot Ion: 65 Resp: 144081

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016371.D

Acq: 20 May 2020 19:23

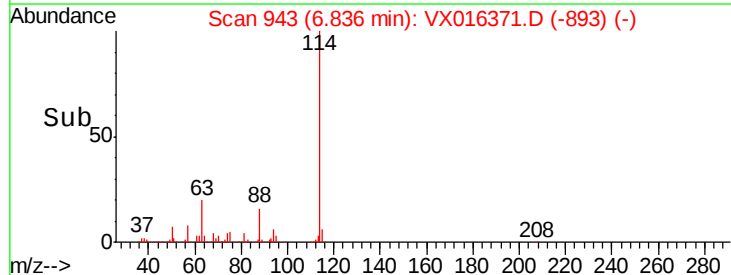
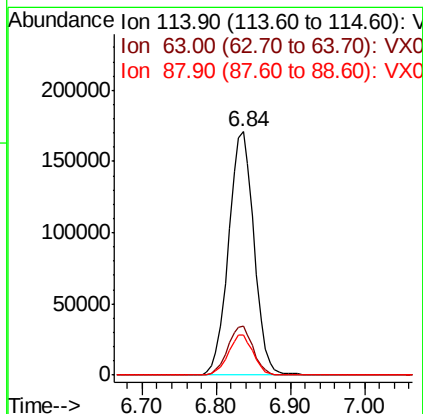
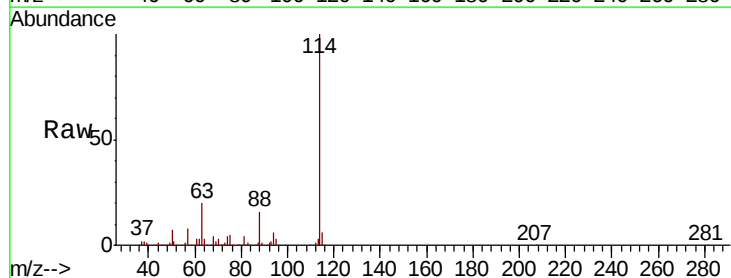
Tgt Ion: 114 Resp: 408813

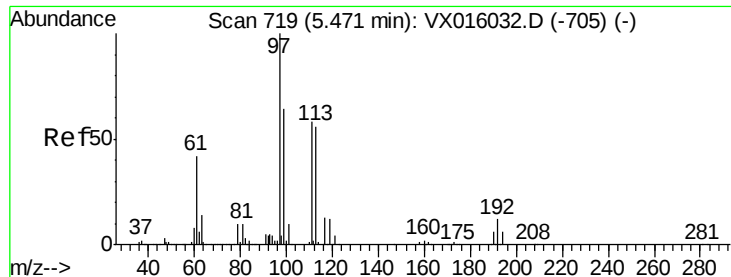
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.8

88 16.4 0.0 31.4

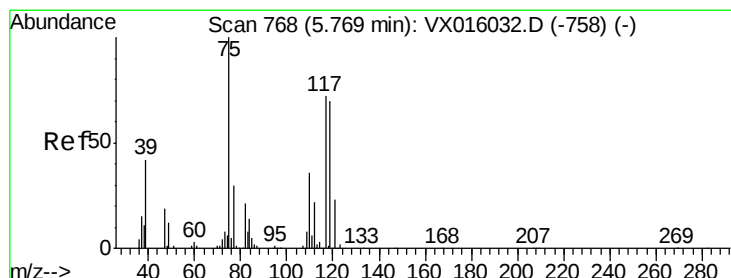
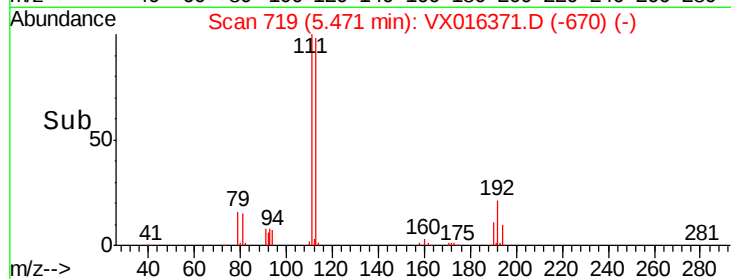
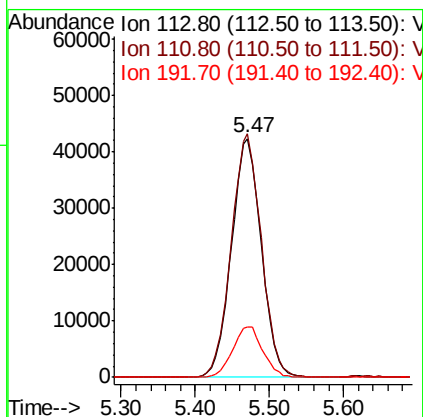
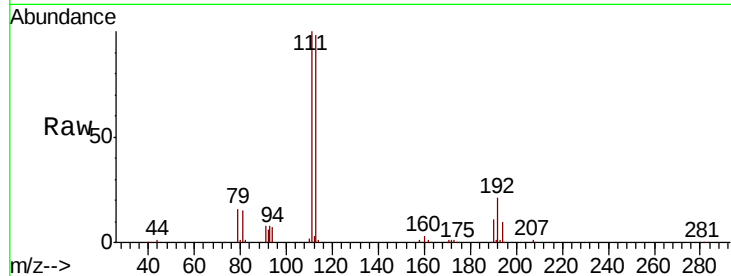




#35
 Dibromofluoromethane
 Concen: 46.079 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016371.D
 Acq: 20 May 2020 19:23

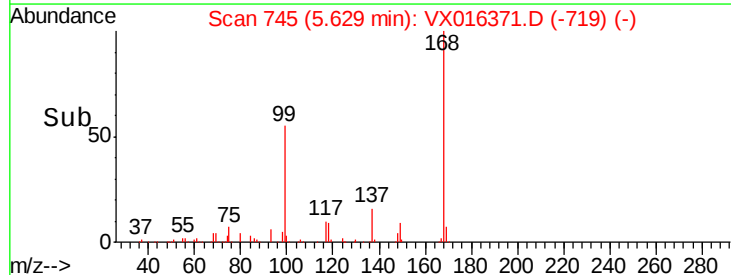
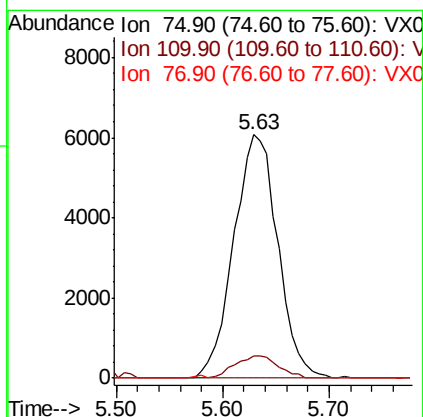
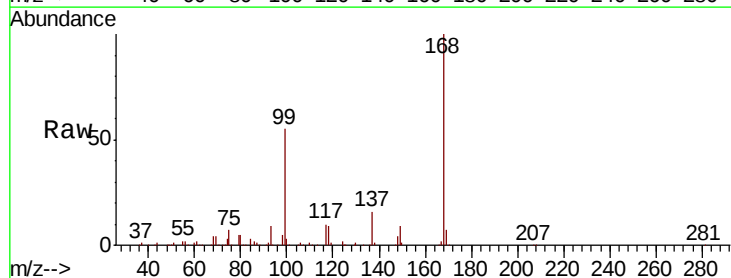
Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-200519

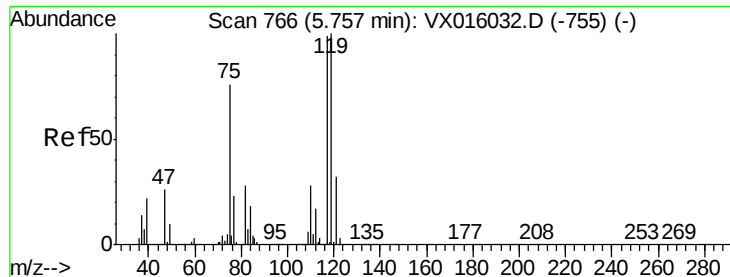
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.6	122.4
192	21.4	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.366 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016371.D
 Acq: 20 May 2020 19:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.681 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016371.D

Acq: 20 May 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-200519

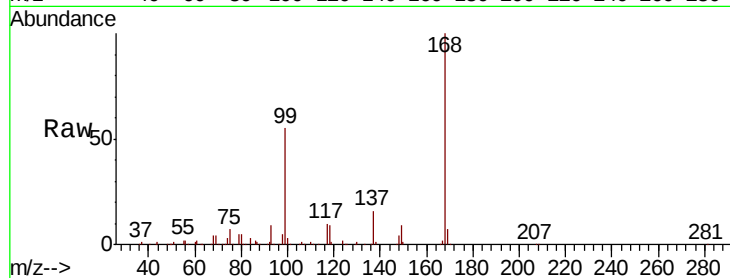
Tot Ion:117 Resp: 23237

Ion Ratio Lower Upper

117 100

119 5.8 80.3 120.5#

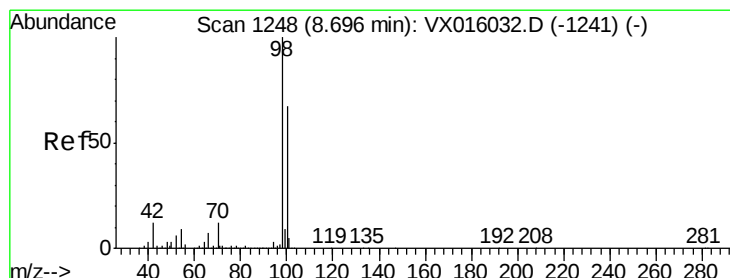
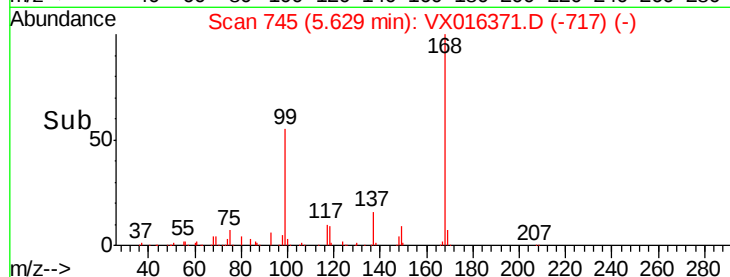
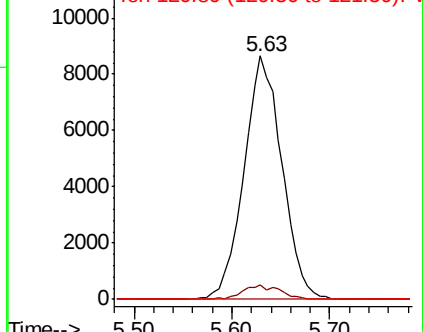
121 0.0 25.7 38.5#



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



#50

Toluene-d8

Concen: 50.781 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016371.D

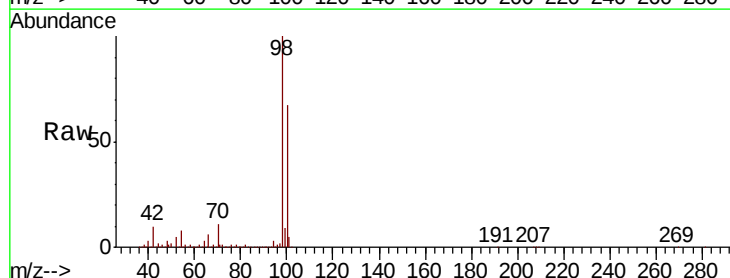
Acq: 20 May 2020 19:23

Tgt Ion: 98 Resp: 506772

Ion Ratio Lower Upper

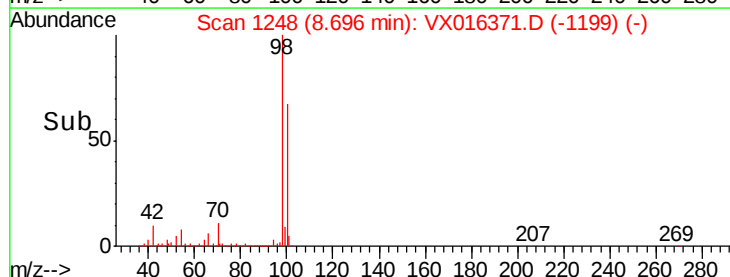
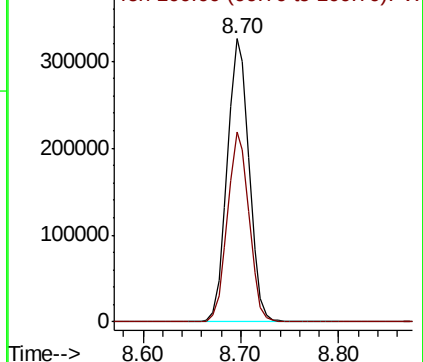
98 100

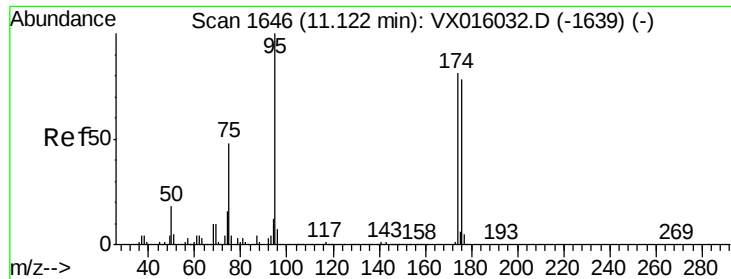
100 66.4 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.382 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016371.D

Acq: 20 May 2020 19:23

Instrument :

MSVOA_X

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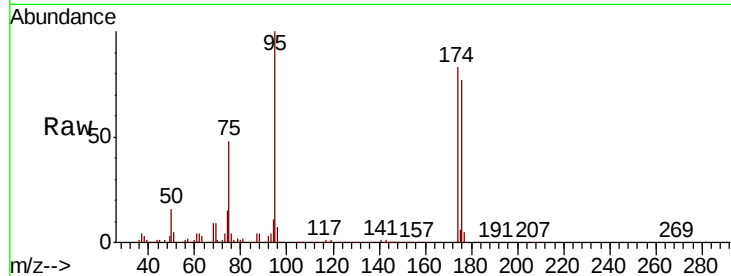
Tot Ion: 95 Resp: 198826

Ion Ratio Lower Upper

95 100

174 81.5 0.0 159.4

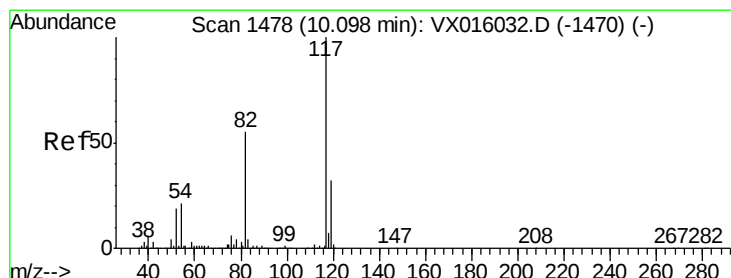
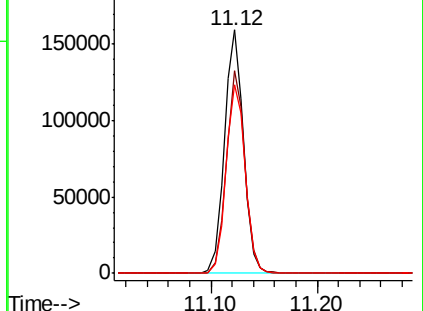
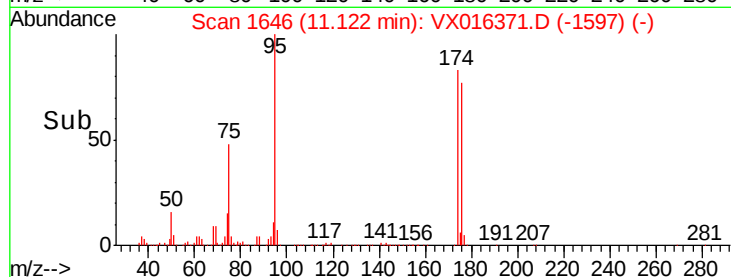
176 78.5 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016371.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016371.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016371.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016371.D

Acq: 20 May 2020 19:23

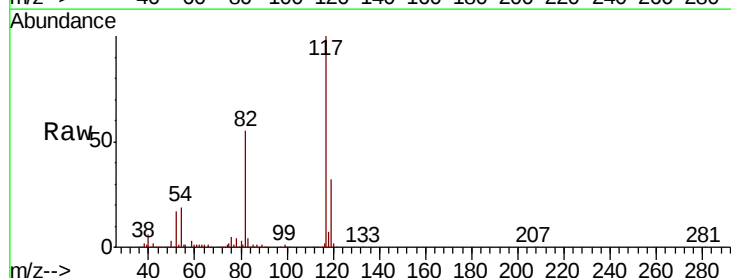
Tgt Ion: 117 Resp: 398813

Ion Ratio Lower Upper

117 100

82 54.9 44.4 66.6

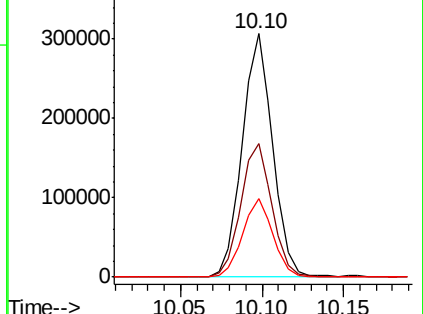
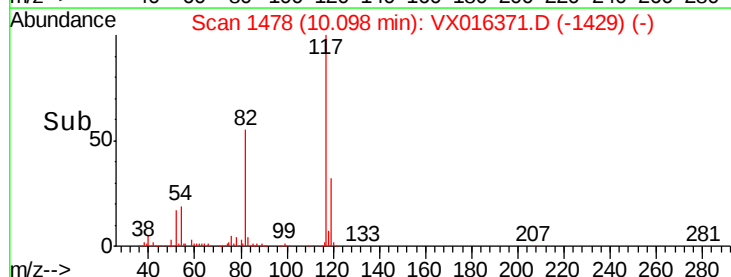
119 32.0 25.5 38.3

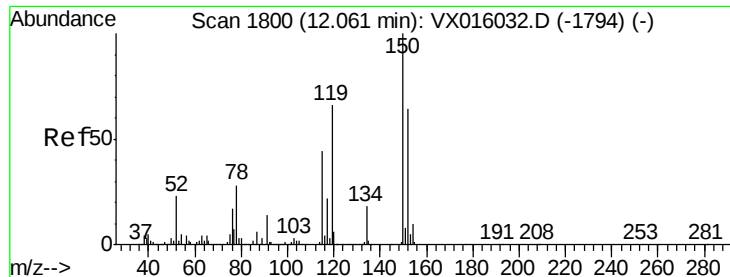


Abundance Ion 116.90 (116.60 to 117.60): VX016371.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016371.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016371.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016371.D

Acq: 20 May 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-200519

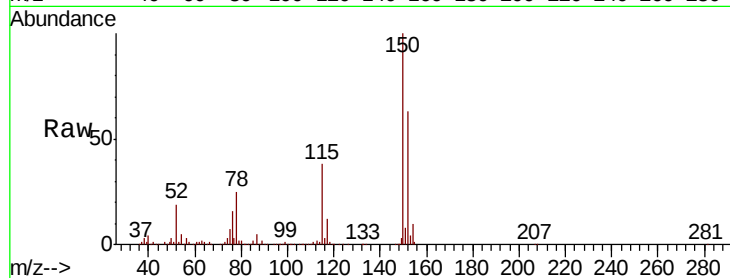
Tot Ion:152 Resp: 197557

Ion Ratio Lower Upper

152 100

115 58.8 41.3 124.1

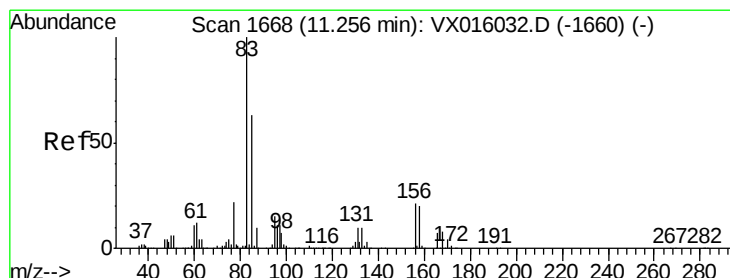
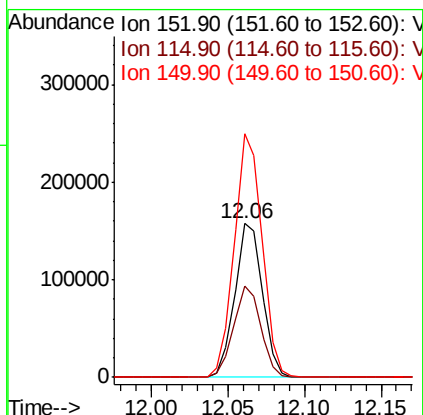
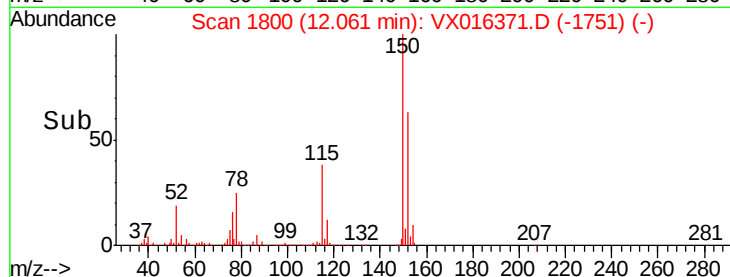
150 158.5 0.0 352.2



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: 2.087 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016371.D

Acq: 20 May 2020 19:23

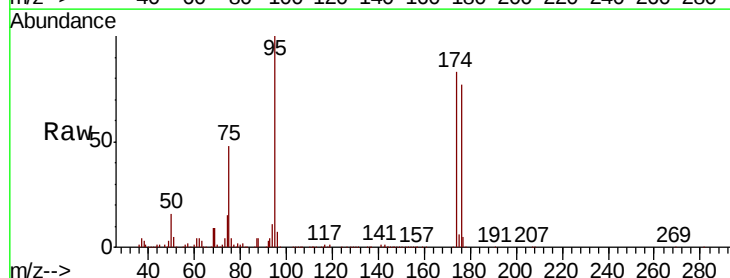
Tgt Ion: 83 Resp: 103

Ion Ratio Lower Upper

83 100

131 223.3 5.1 15.4#

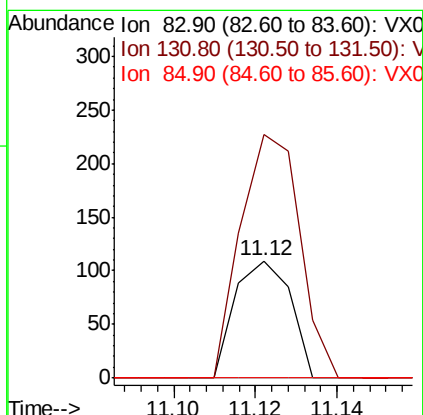
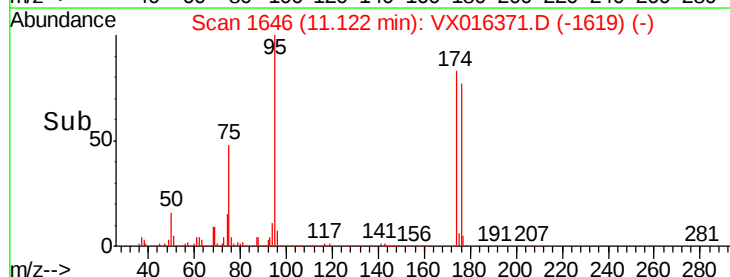
85 0.0 32.0 96.0#

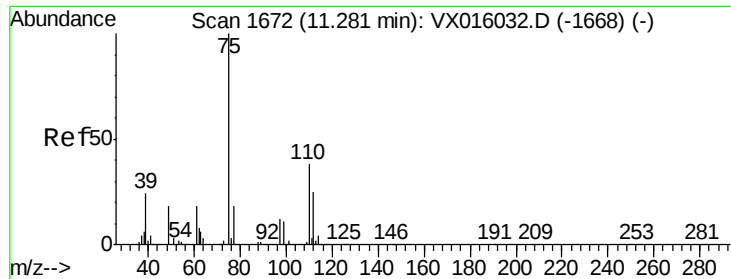


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

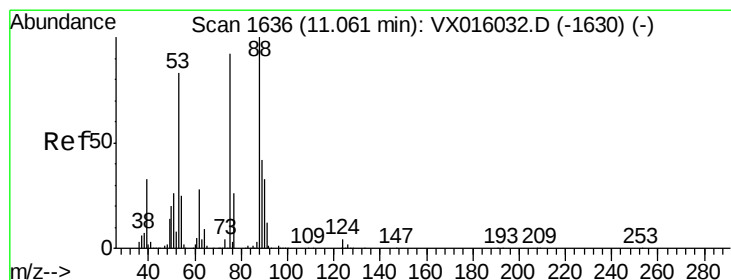
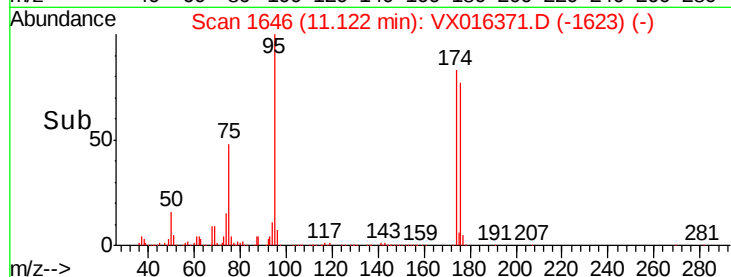
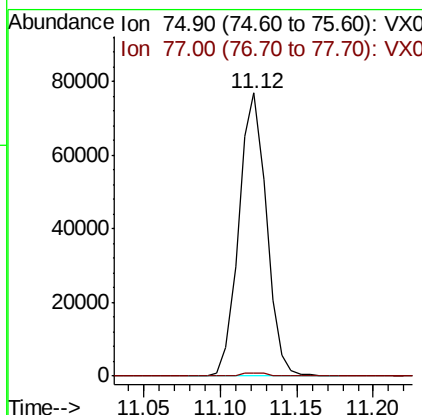
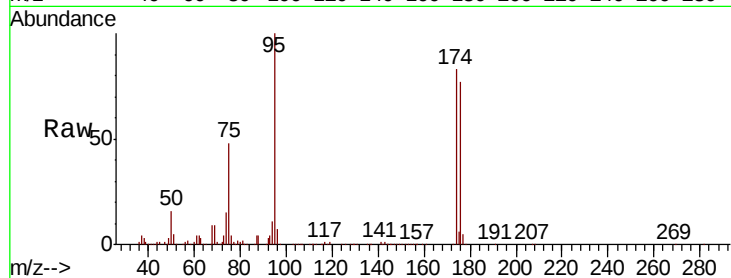




#76
 1,2,3-Trichloropropane
 Concen: 21.513 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016371.D
 Acq: 20 May 2020 19:23

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-200519

Tot Ion: 75 Resp: 96443
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.267 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016371.D
 Acq: 20 May 2020 19:23

Tgt Ion: 75 Resp: 96443
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 36.7 55.1#

