

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050620\
 Data File : VX016074.D
 Acq On : 06 May 2020 11:21
 Operator : JC/SP
 Sample : VX0506WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 07 07:13:24 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	314026	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	512694	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	487854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	235437	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	192733	46.64	ug/l	0.00
Spiked Amount			Recovery	=	93.28%	
35) Dibromofluoromethane	5.46	113	152062	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
50) Toluene-d8	8.70	98	620707	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.12	95	240545	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	

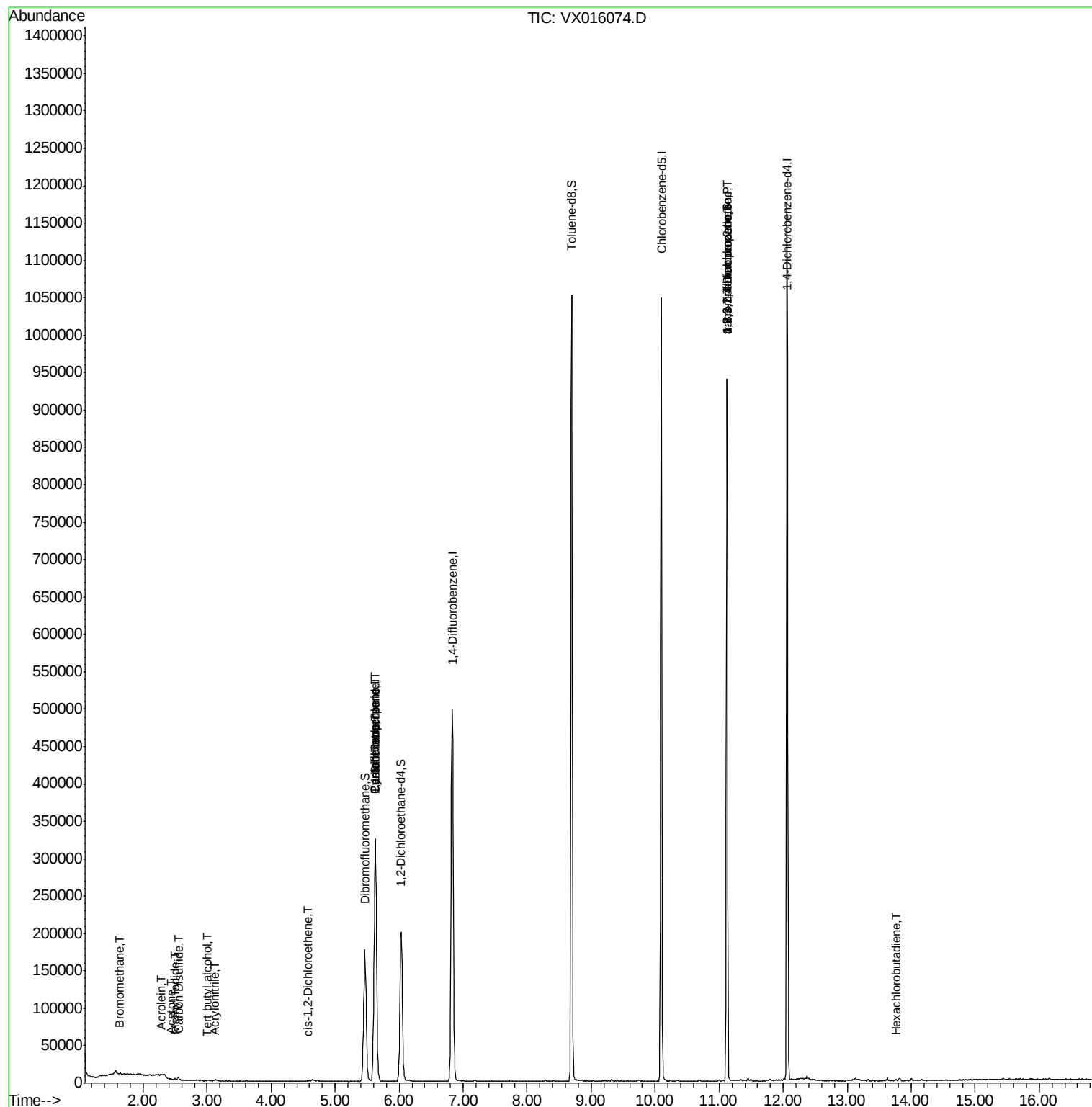
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	833	0.401	ug/l #	73
10) Methyl Iodide	2.50	142	1594	0.380	ug/l	94
11) Tert butyl alcohol	3.00	59	213	0.204	ug/l #	72
13) Acrolein	2.27	56	727	1.112	ug/l	100
15) Acrylonitrile	3.12	53	840	0.388	ug/l #	82
16) Acetone	2.43	43	541	0.293	ug/l #	61
17) Carbon Disulfide	2.55	76	4023	0.204	ug/l	100
27) cis-1,2-Dichloroethene	4.57	96	877	0.221	ug/l	22
31) Cyclohexane	5.63	56	6398	1.115	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23863	4.728	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30693	5.983	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.13	83	205	2.113	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	119370	22.343	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	119370	53.245	ug/l #	13
94) Hexachlorobutadiene	13.76	225	260	0.629	ug/l	83

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

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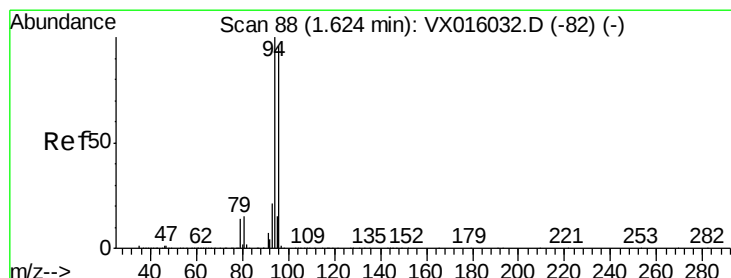
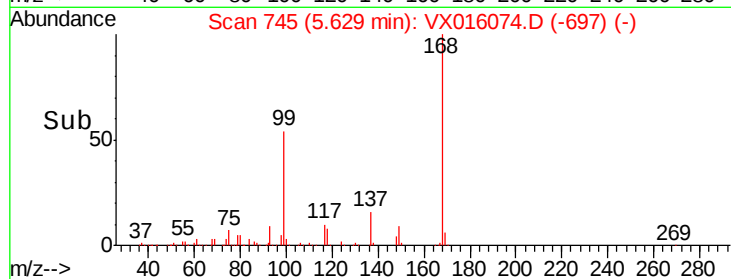
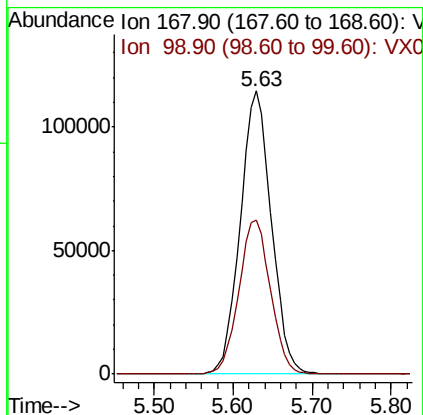
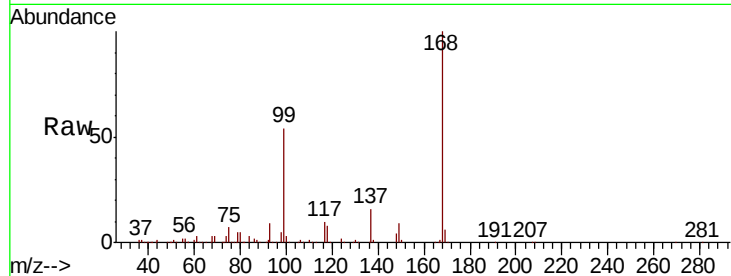


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VX016074.D
 Acq: 06 May 2020 11:21

Instrument :
 MSVOA_X
 ClientSampled :

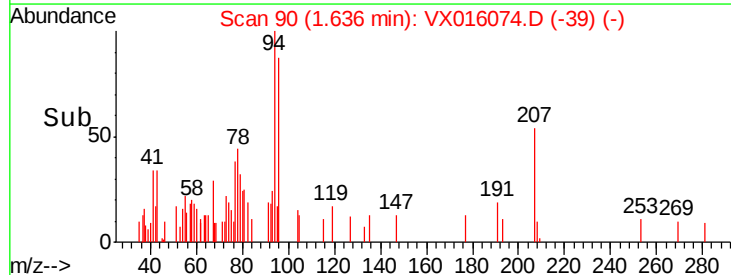
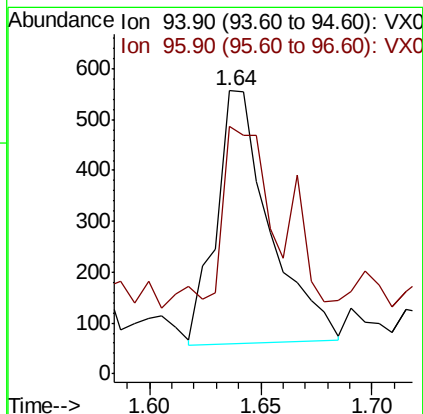
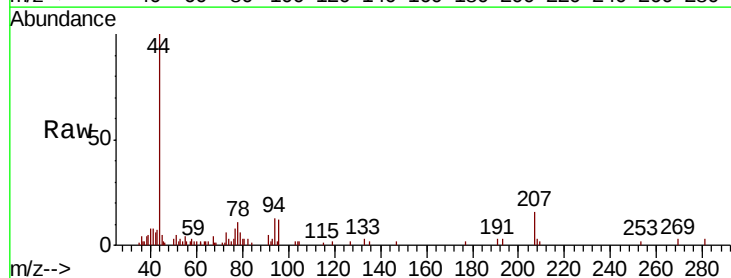
Tot Ion:168 Resp: 314026
 Ion Ratio Lower Upper
 168 100
 99 54.4 45.0 67.4

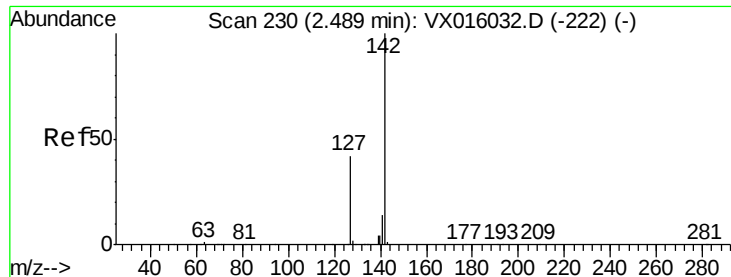


#5

Bromomethane
 Concen: 0.401 ug/l
 RT: 1.64 min Scan# 90
 Delta R.T. 0.01 min
 Lab File: VX016074.D
 Acq: 06 May 2020 11:21

Tgt Ion: 94 Resp: 833
 Ion Ratio Lower Upper
 94 100
 96 69.7 76.9 115.3#

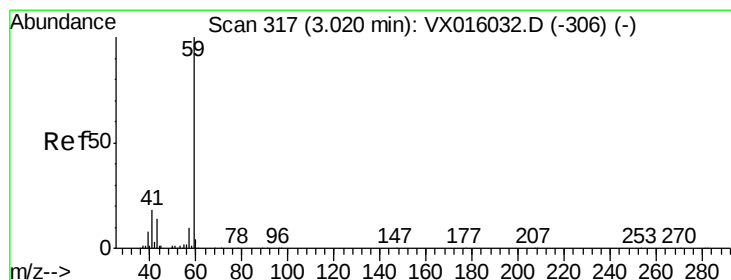
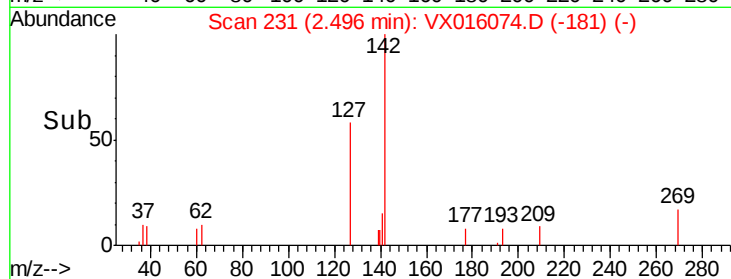
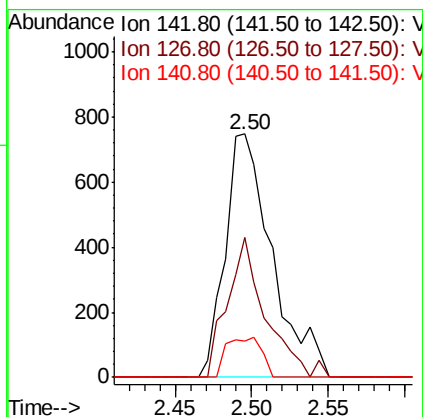
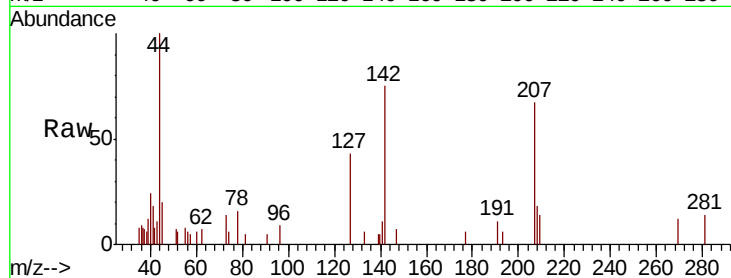




#10
Methyl Iodide
Concen: 0.380 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX016074.D
Acq: 06 May 2020 11:21

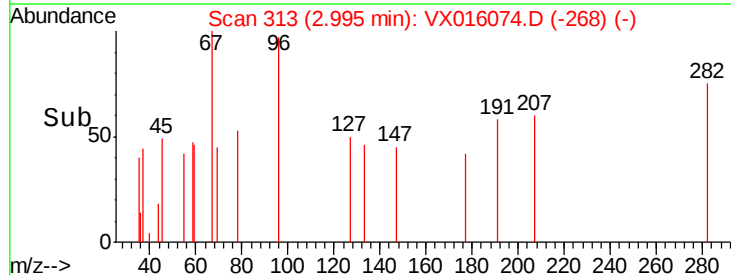
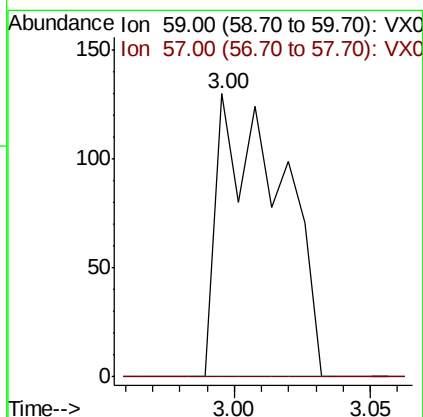
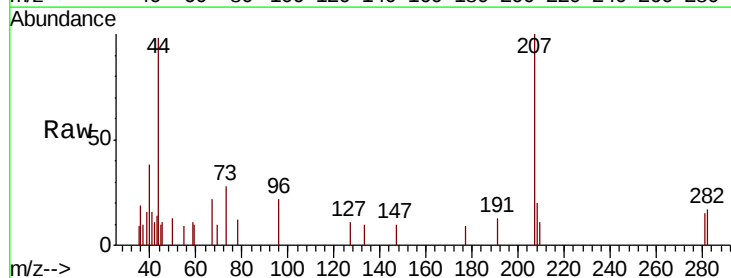
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 1594
Ion Ratio Lower Upper
142 100
127 47.0 34.6 52.0
141 12.1 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.204 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX016074.D
Acq: 06 May 2020 11:21

Tgt Ion: 59 Resp: 213
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 1.112 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016074.D

Acq: 06 May 2020 11:21

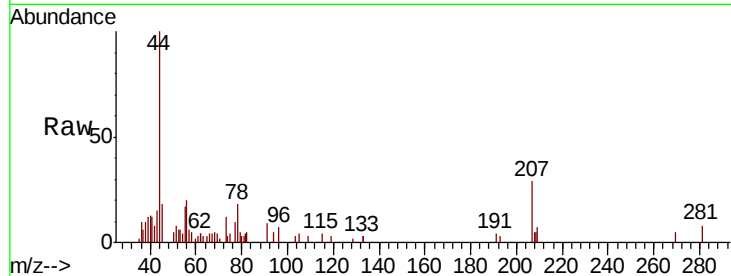
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 727

Ion Ratio Lower Upper

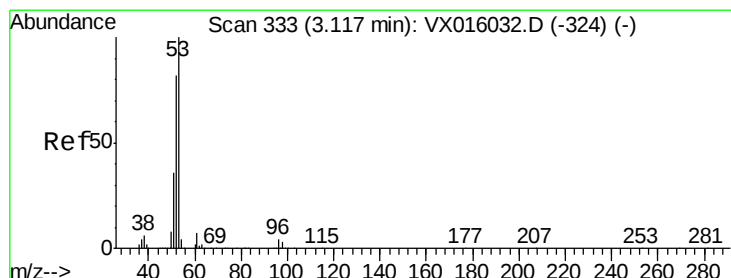
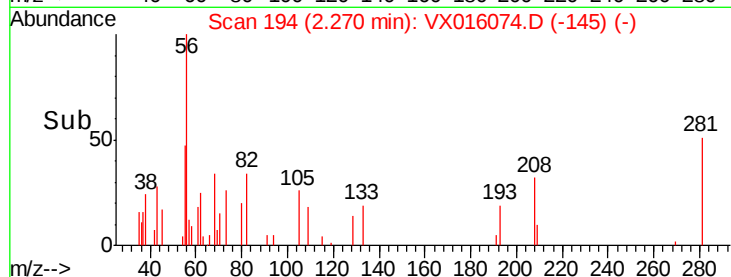
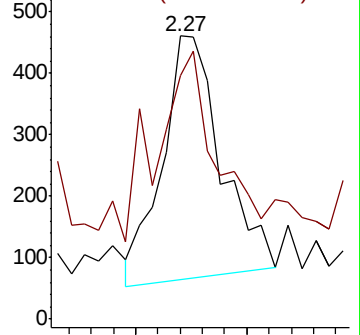
56 100

55 70.8 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.388 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX016074.D

Acq: 06 May 2020 11:21

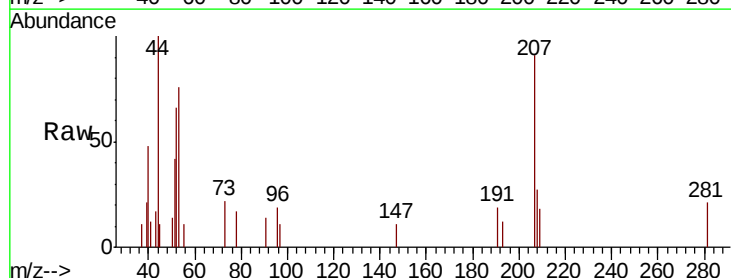
Tgt Ion: 53 Resp: 840

Ion Ratio Lower Upper

53 100

52 94.0 66.1 99.1

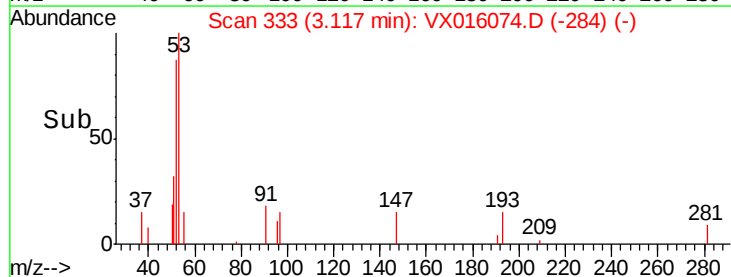
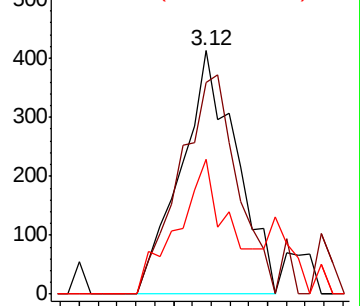
51 54.3 28.8 43.2#

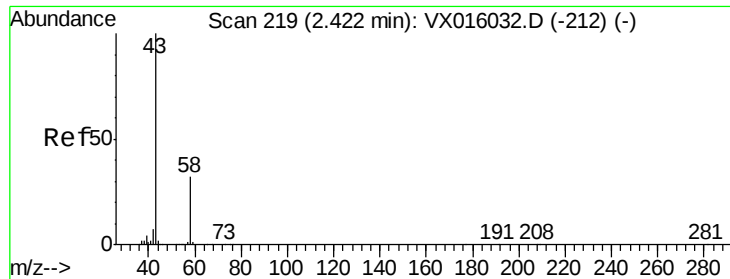


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.293 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX016074.D

Acq: 06 May 2020 11:21

Instrument :

MSVOA_X

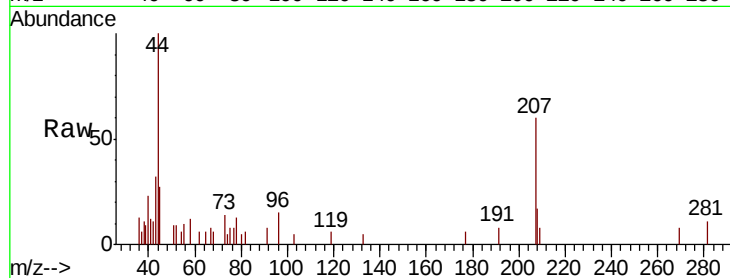
ClientSampleId :

Tot Ion: 43 Resp: 541

Ion Ratio Lower Upper

43 100

58 53.4 25.4 38.0#

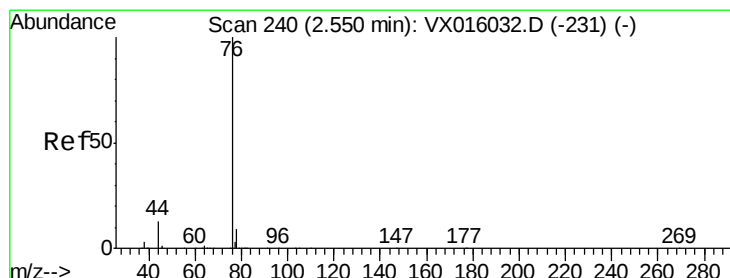
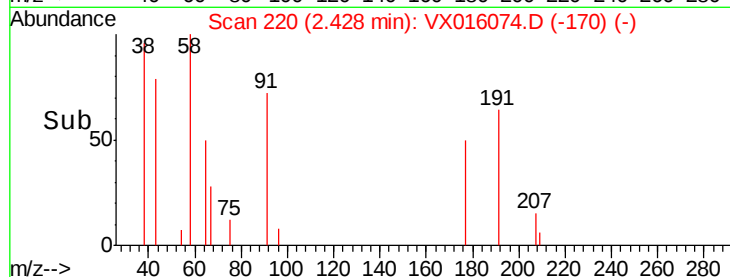


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

Time--> 2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.204 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016074.D

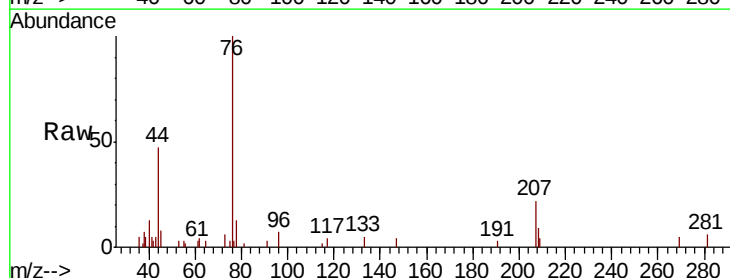
Acq: 06 May 2020 11:21

Tgt Ion: 76 Resp: 4023

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

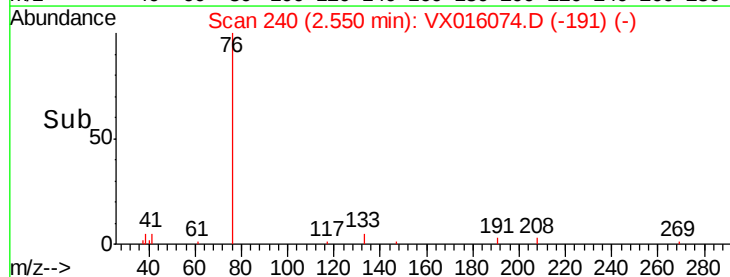


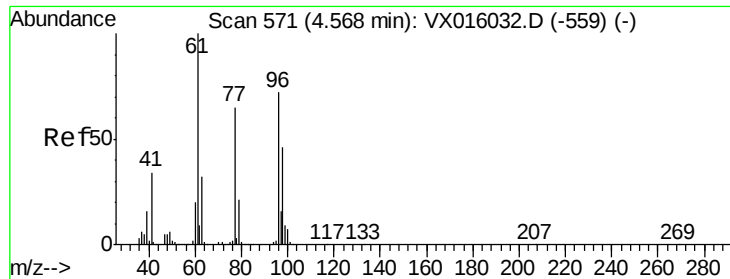
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

Time--> 2.50 2.55 2.60



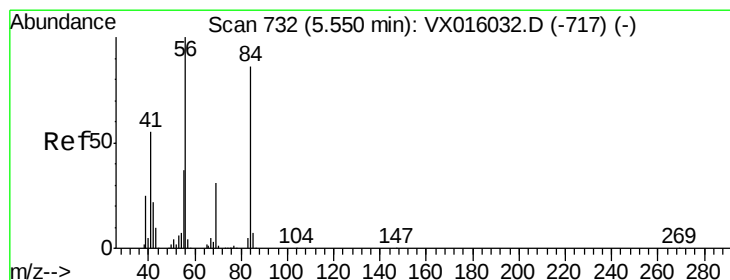
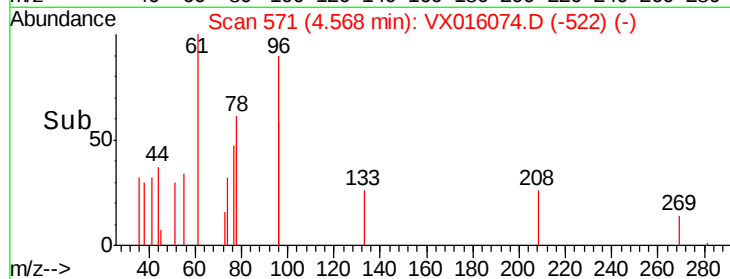
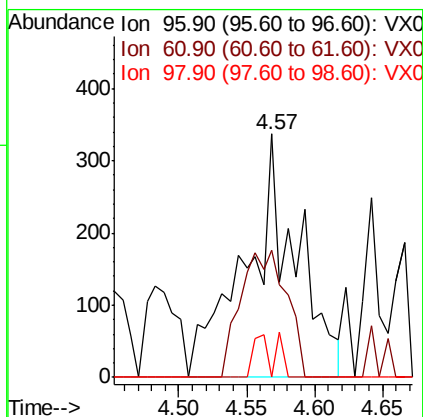
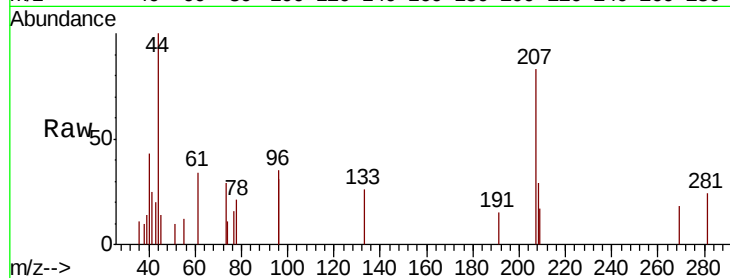


#27

cis-1,2-Dichloroethene
 Concen: 0.221 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016074.D
 Acq: 06 May 2020 11:21

Instrument :
 MSVOA_X
 ClientSampleId :

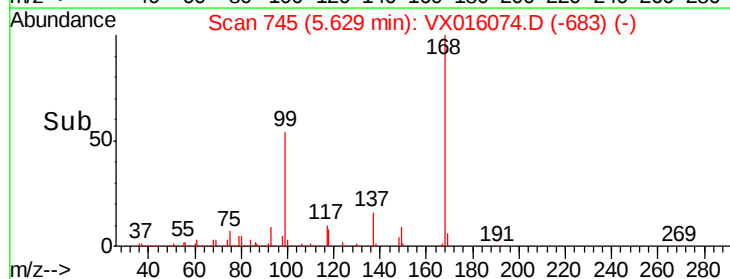
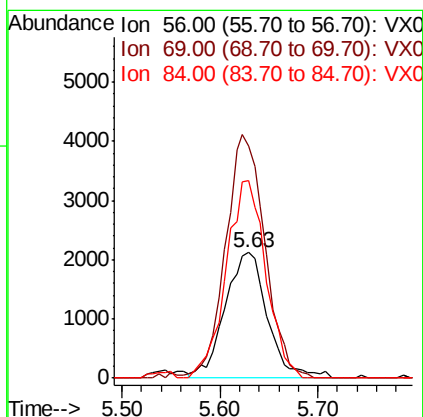
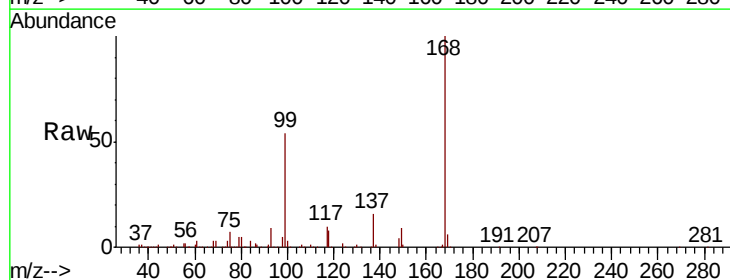
Tot Ion	Ratio	Lower	Upper
96	100		
61	47.5	0.0	296.2
98	7.3	0.0	129.4

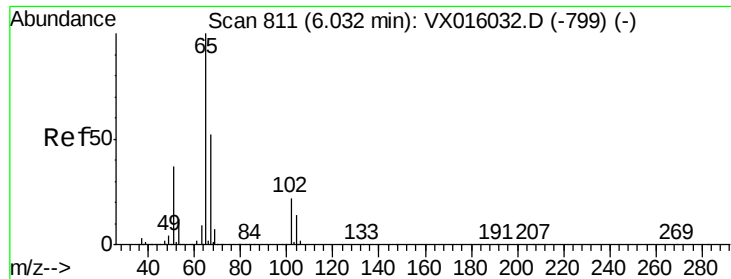


#31

Cyclohexane
 Concen: 1.115 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX016074.D
 Acq: 06 May 2020 11:21

Tgt Ion	Ratio	Lower	Upper
56	100		
69	185.4	25.0	37.6#
84	157.1	69.0	103.6#





#33

1,2-Dichloroethane-d4

Concen: 46.641 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016074.D

Acq: 06 May 2020 11:21

Instrument :

MSVOA_X

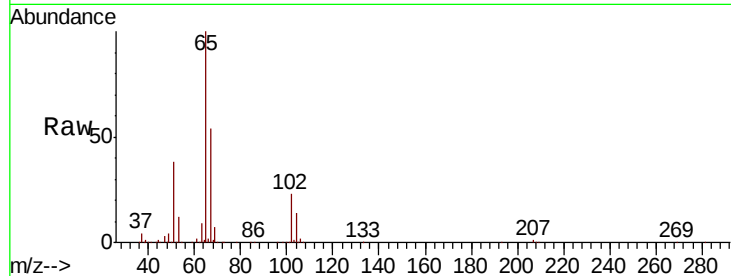
ClientSampleId :

Tot Ion: 65 Resp: 192733

Ion Ratio Lower Upper

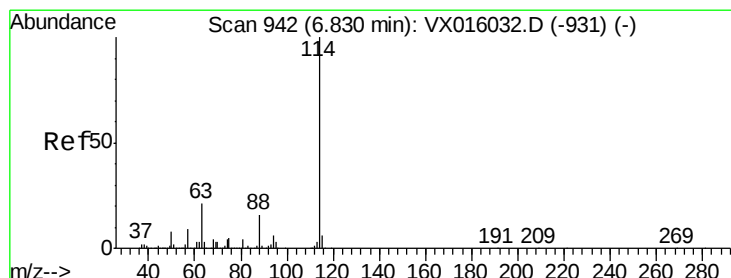
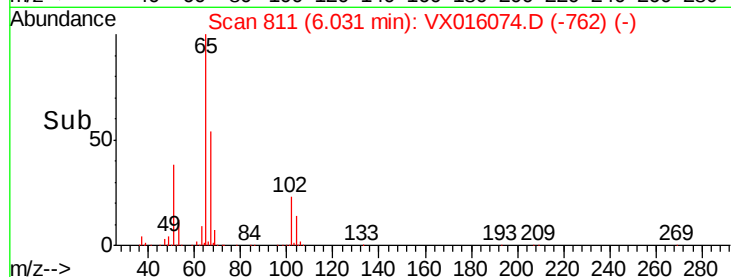
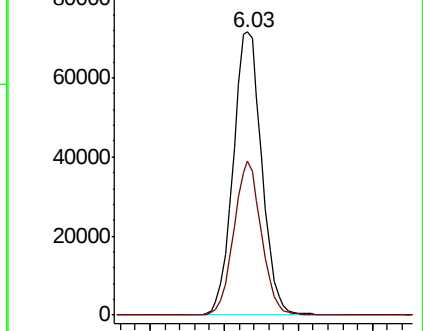
65 100

67 52.4 0.0 104.8



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016074.D

Acq: 06 May 2020 11:21

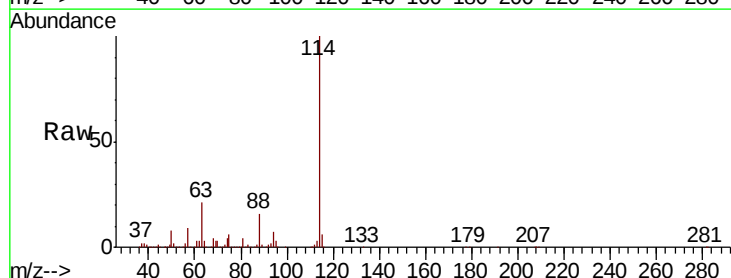
Tgt Ion: 114 Resp: 512694

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

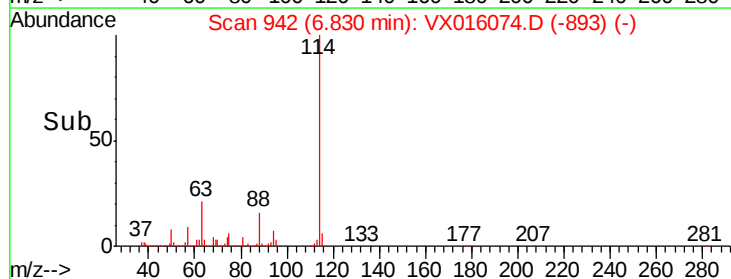
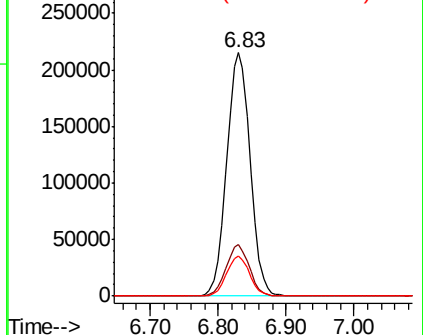
88 16.3 0.0 31.4

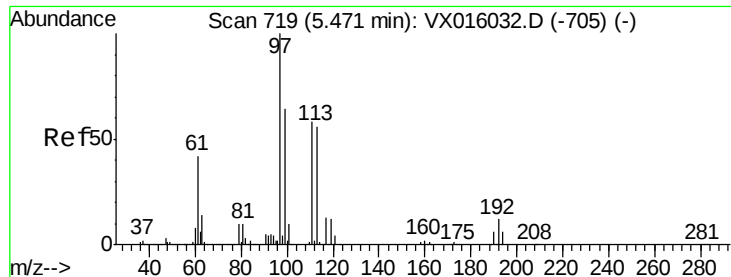


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

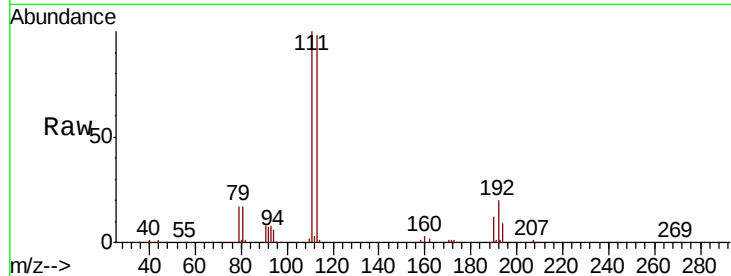




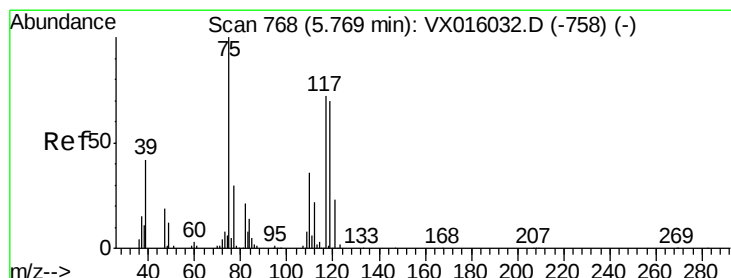
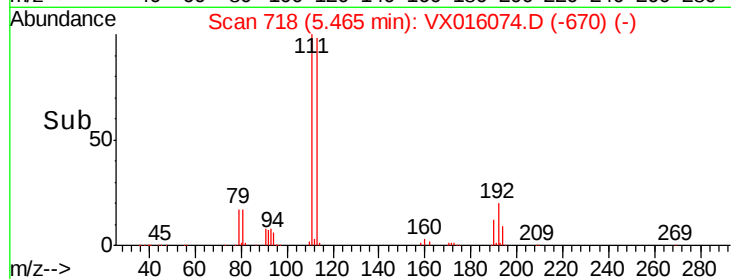
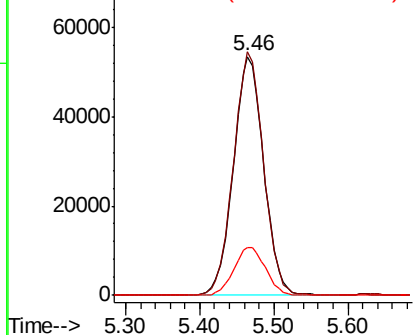
#35
 Dibromofluoromethane
 Concen: 46.815 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX016074.D
 Acq: 06 May 2020 11:21

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.6	122.4
192	20.9	17.0	25.4

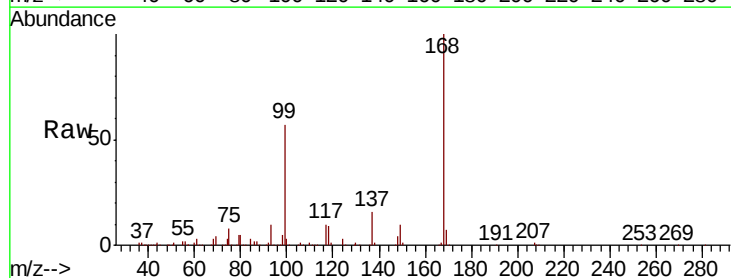


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

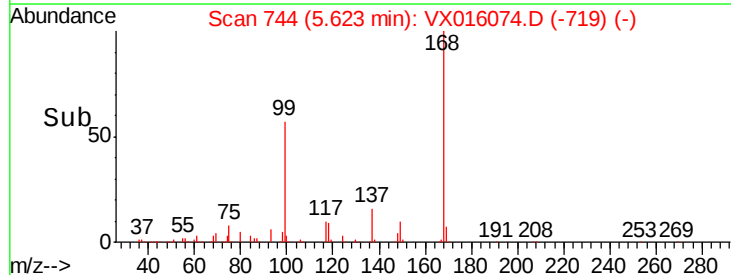
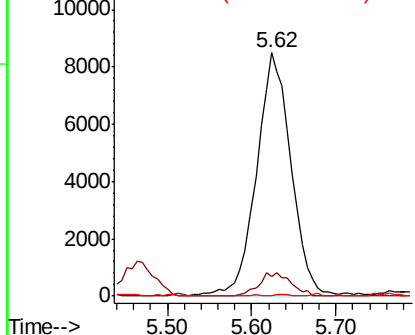


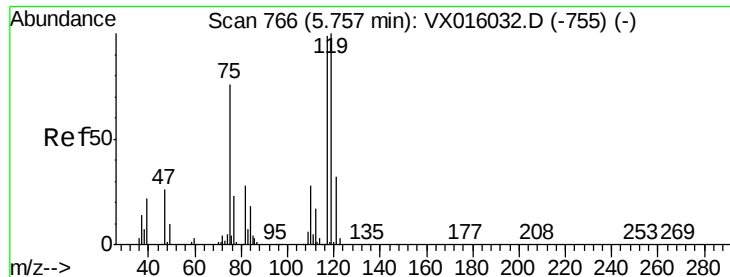
#36
 1,1-Dichloropropene
 Concen: 4.728 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX016074.D
 Acq: 06 May 2020 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.1#
77	0.3	25.0	37.6#



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: 5.983 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016074.D

Acq: 06 May 2020 11:21

Instrument :

MSVOA_X

ClientSampled :

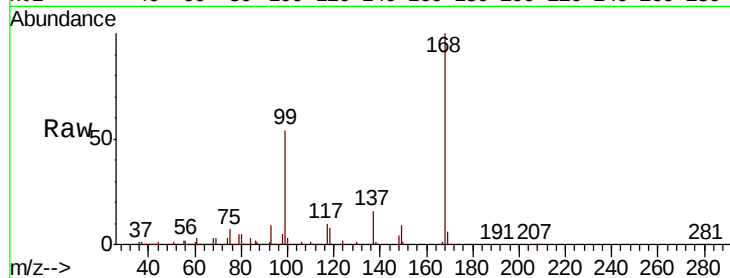
Tot Ion:117 Resp: 30693

Ion Ratio Lower Upper

117 100

119 4.7 80.3 120.5#

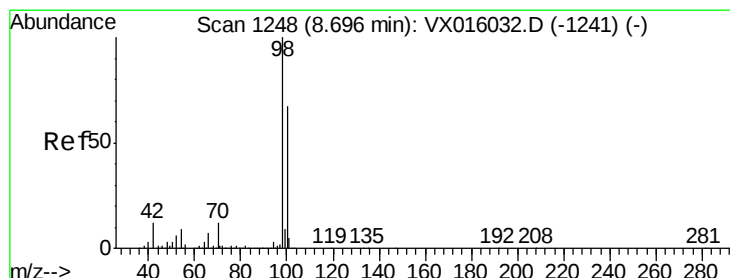
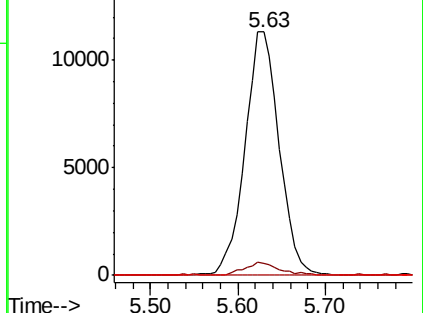
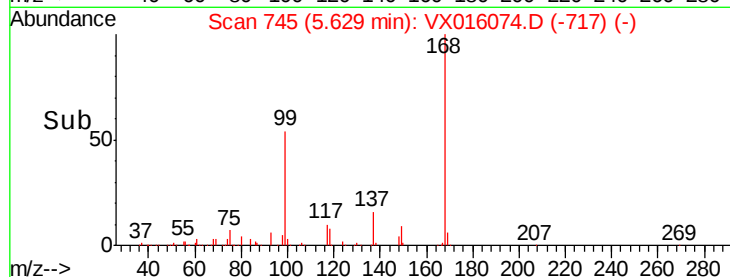
121 0.0 25.7 38.5#



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: 49.596 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016074.D

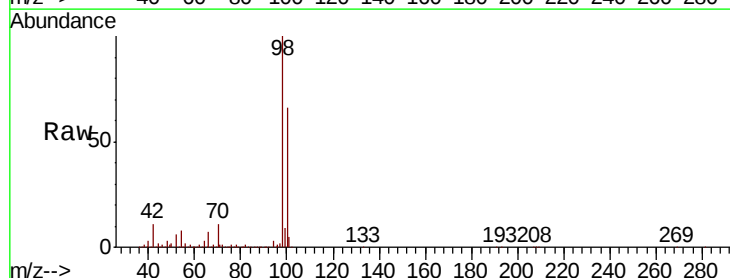
Acq: 06 May 2020 11:21

Tgt Ion: 98 Resp: 620707

Ion Ratio Lower Upper

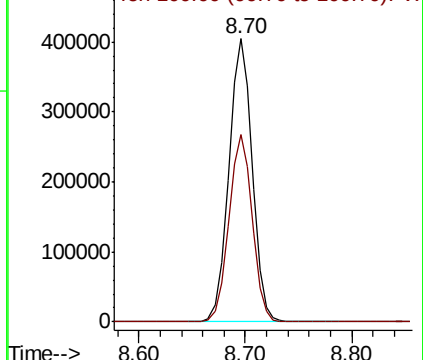
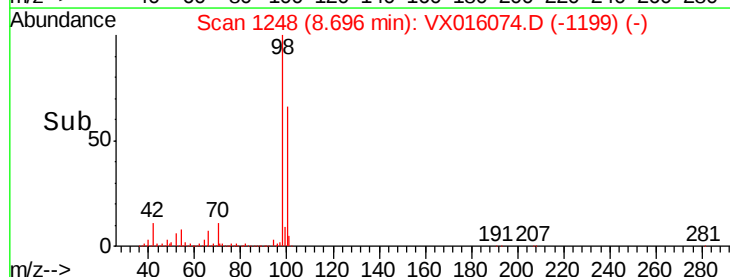
98 100

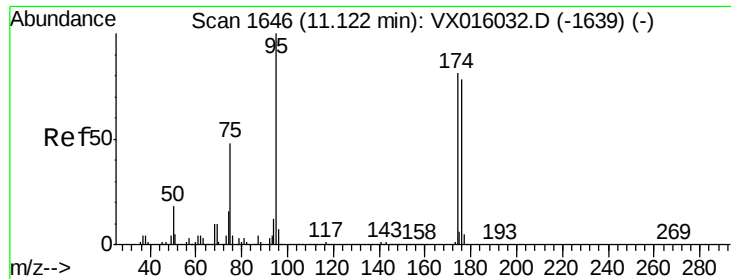
100 66.3 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.532 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016074.D

Acq: 06 May 2020 11:21

Instrument :

MSVOA_X

ClientSampled :

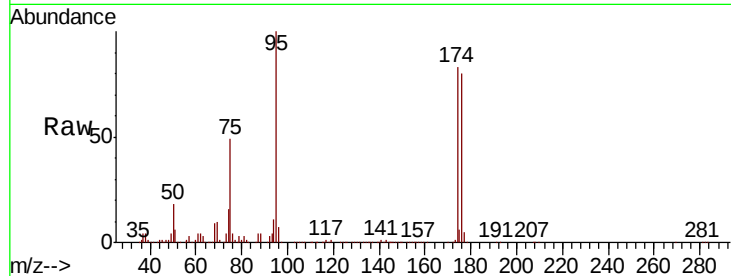
Tot Ion: 95 Resp: 240545

Ion Ratio Lower Upper

95 100

174 81.0 0.0 159.4

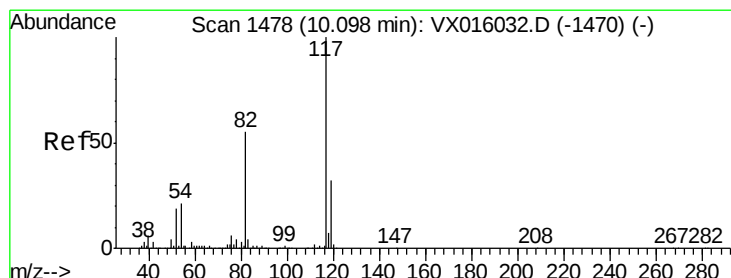
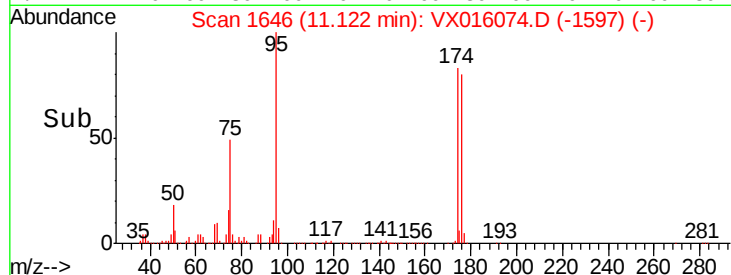
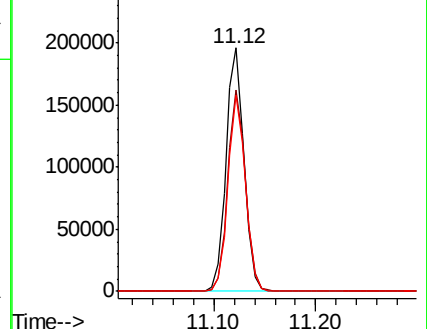
176 78.2 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016032.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016032.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016032.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016074.D

Acq: 06 May 2020 11:21

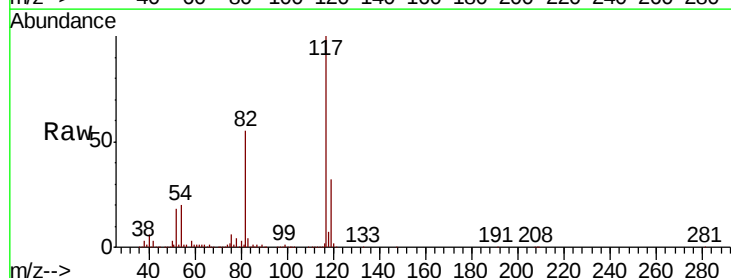
Tgt Ion: 117 Resp: 487854

Ion Ratio Lower Upper

117 100

82 54.7 44.4 66.6

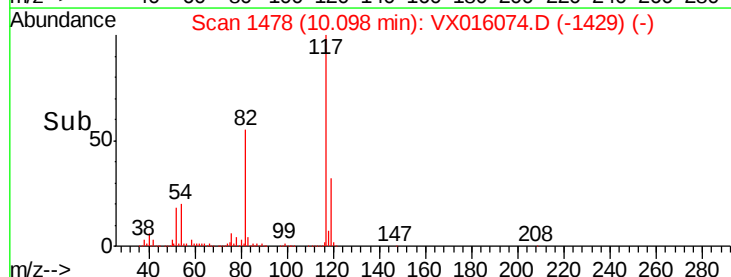
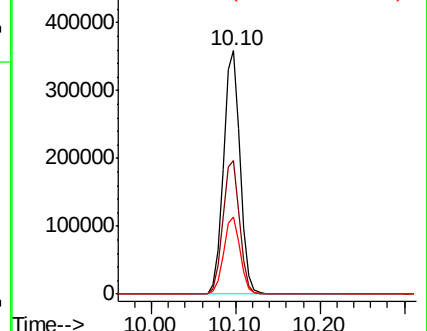
119 31.7 25.5 38.3

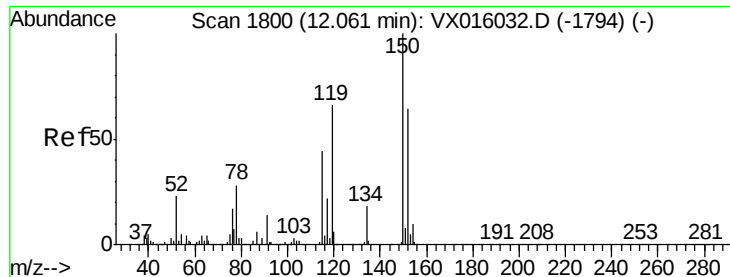


Abundance Ion 116.90 (116.60 to 117.60): VX016032.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016032.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016032.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016074.D

Acq: 06 May 2020 11:21

Instrument :

MSVOA_X

ClientSampleId :

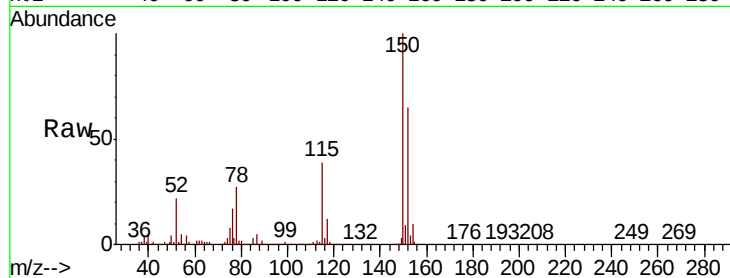
Tot Ion:152 Resp: 235437

Ion Ratio Lower Upper

152 100

115 58.8 41.3 124.1

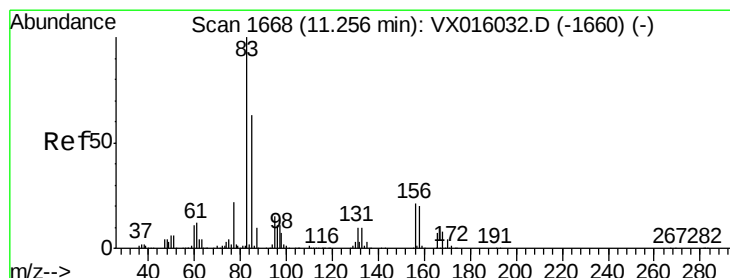
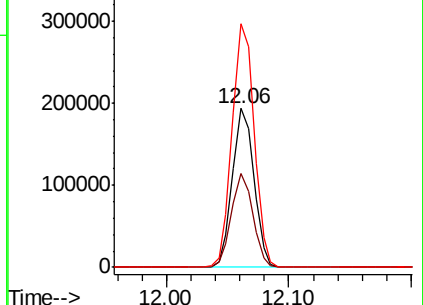
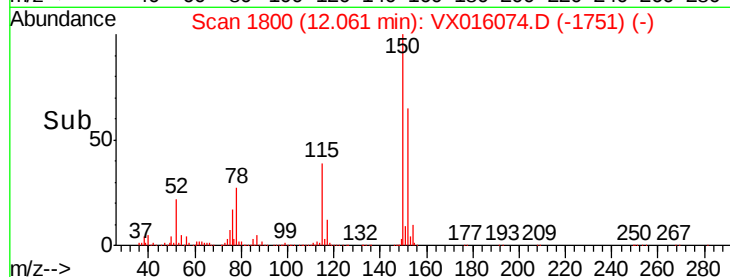
150 156.3 0.0 352.2



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: 2.113 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016074.D

Acq: 06 May 2020 11:21

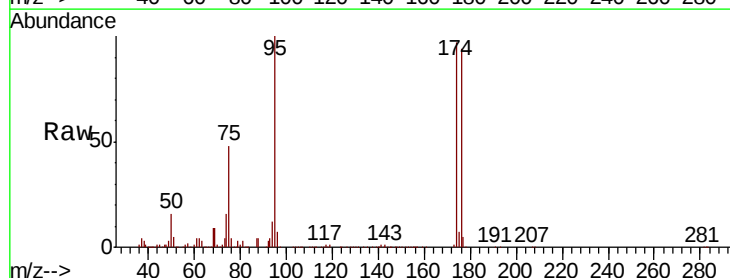
Tgt Ion: 83 Resp: 205

Ion Ratio Lower Upper

83 100

131 154.6 5.1 15.4#

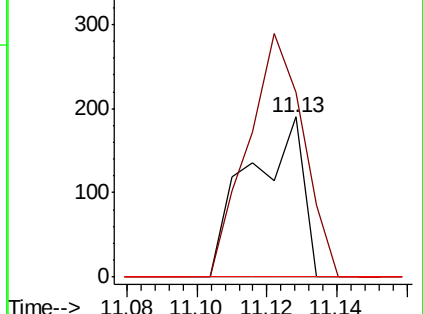
85 0.0 32.0 96.0#

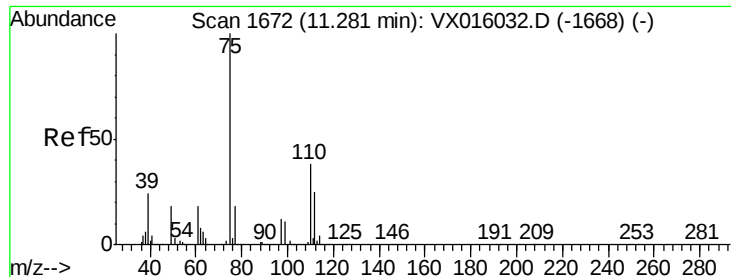


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 22.343 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016074.D

Acq: 06 May 2020 11:21

Instrument :

MSVOA_X

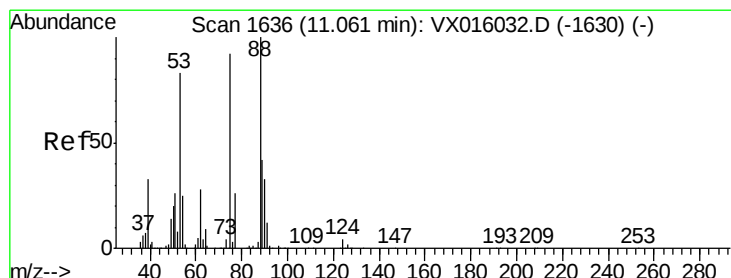
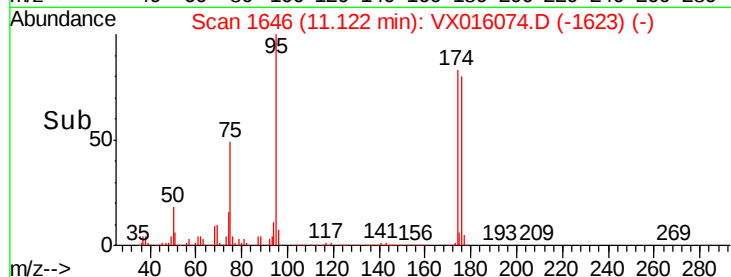
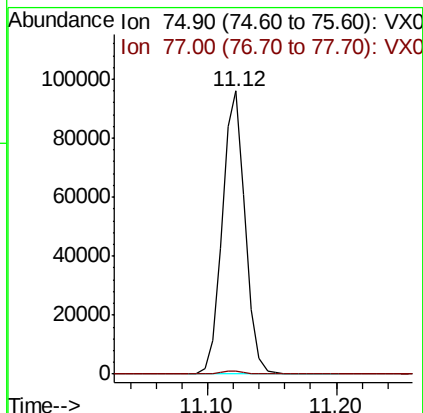
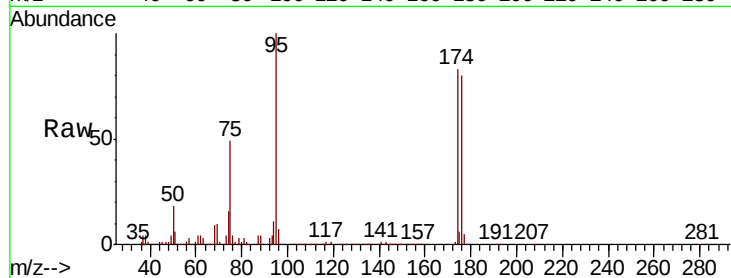
ClientSampled :

Tot Ion: 75 Resp: 119370

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.245 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016074.D

Acq: 06 May 2020 11:21

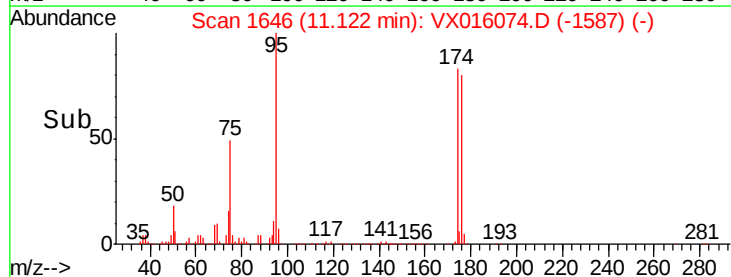
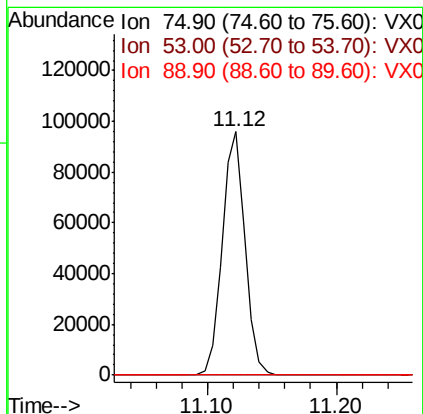
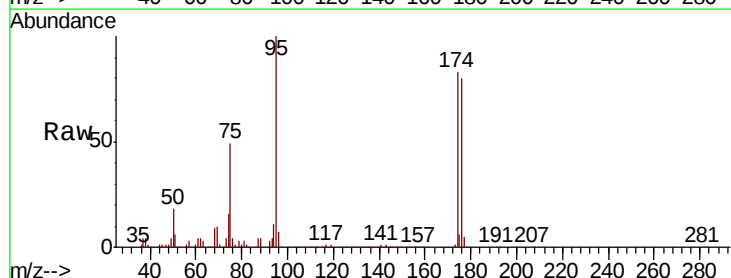
Tgt Ion: 75 Resp: 119370

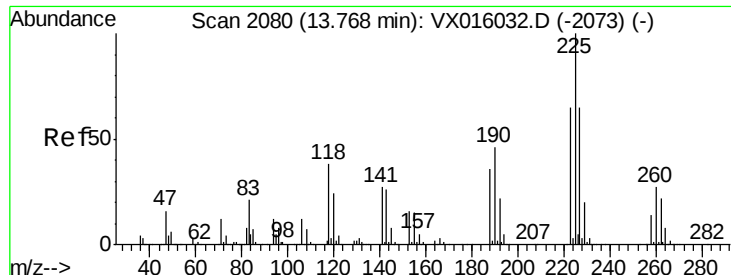
Ion Ratio Lower Upper

75 100

53 0.1 73.1 109.7#

89 0.0 36.7 55.1#





#94
 Hexachlorobutadiene
 Concen: 0.629 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016074.D
 Acq: 06 May 2020 11:21

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
225	100		
223	83.5	32.3	96.9
227	56.5	31.8	95.4

