

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060520\
 Data File : VX016599.D
 Acq On : 05 Jun 2020 10:21
 Operator : JC/SP
 Sample : VX0605WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBL01

Quant Time: Jun 06 05:57:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	233181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	364956	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	357096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	166283	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	135977	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
35) Dibromofluoromethane	5.46	113	111946	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	8.70	98	450205	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.12	95	172122	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

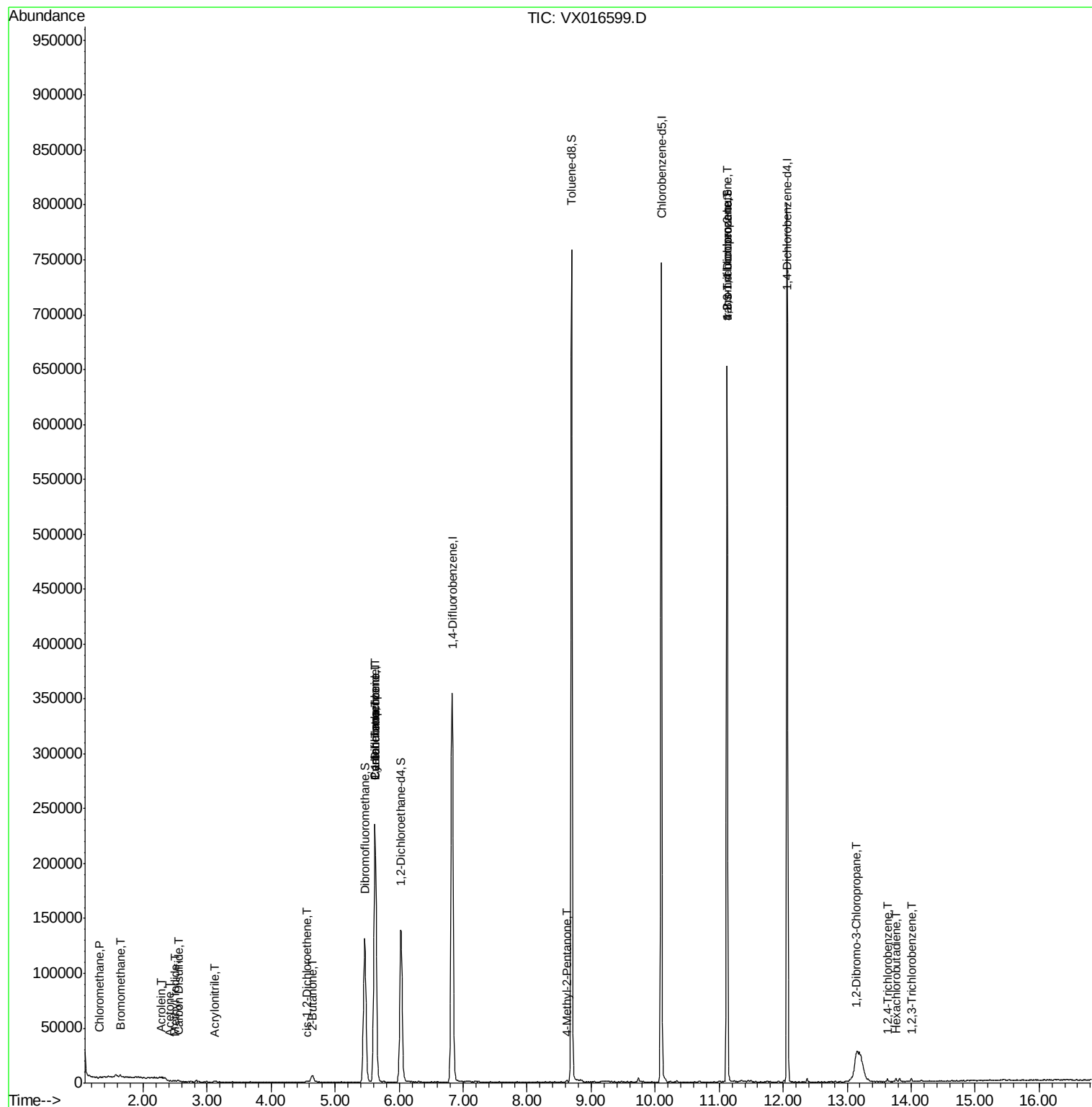
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	653	0.24	ug/l	93
5) Bromomethane	1.64	94	1002	0.70	ug/l #	55
10) Methyl Iodide	2.50	142	962	3.41	ug/l #	88
13) Acrolein	2.27	56	548	1.73	ug/l #	71
15) Acrylonitrile	3.12	53	465	0.31	ug/l #	83
16) Acetone	2.41	43	652	0.51	ug/l #	80
17) Carbon Disulfide	2.55	76	1418	0.21	ug/l #	89
25) 2-Butanone	4.64	43	598	0.28	ug/l #	49
27) cis-1,2-Dichloroethene	4.56	96	860	0.30	ug/l	75
31) Cyclohexane	5.62	56	4455	1.11	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17002	4.92	ug/l #	50
38) Carbon Tetrachloride	5.62	117	22187	6.11	ug/l #	16
51) 4-Methyl-2-Pentanone	8.62	43	862	0.21	ug/l	100
76) 1,2,3-Trichloropropane	11.12	75	83447	22.83	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	83447	56.16	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	13.14	75	439	0.47	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.63	180	904	0.27	ug/l	88
94) Hexachlorobutadiene	13.77	225	573	0.43	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	793	0.24	ug/l	97

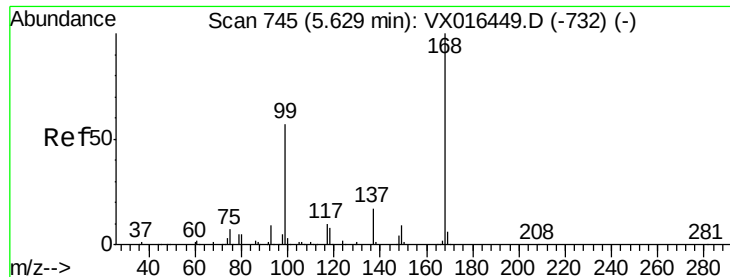
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 06 05:57:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016599.D

Acq: 05 Jun 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

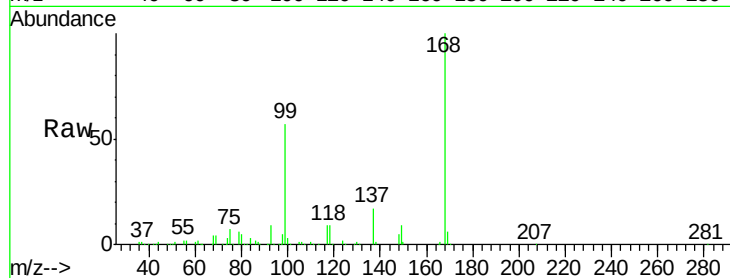
VX0605WBL01

Tgt Ion:168 Resp: 233181

Ion Ratio Lower Upper

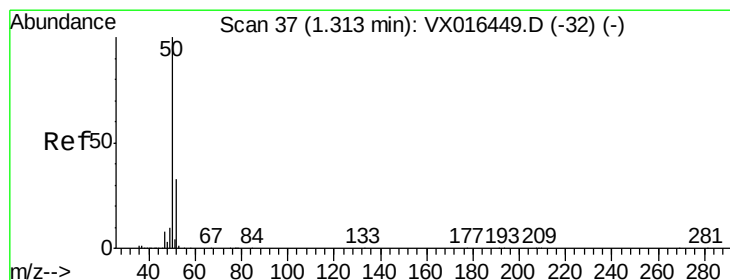
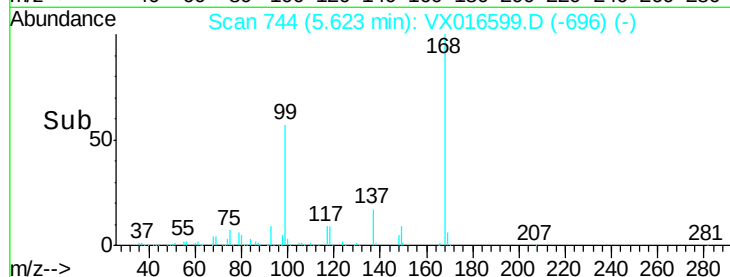
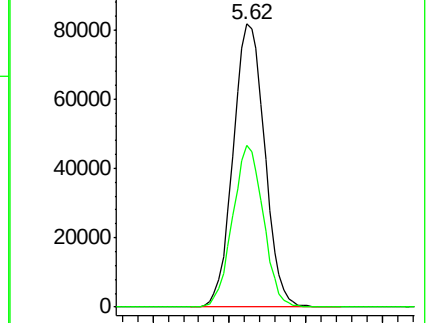
168 100

99 57.2 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016599.D

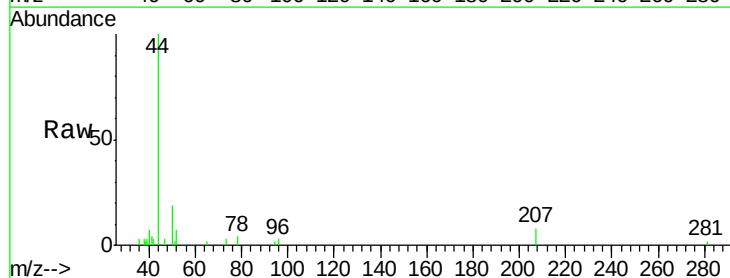
Acq: 05 Jun 2020 10:21

Tgt Ion: 50 Resp: 653

Ion Ratio Lower Upper

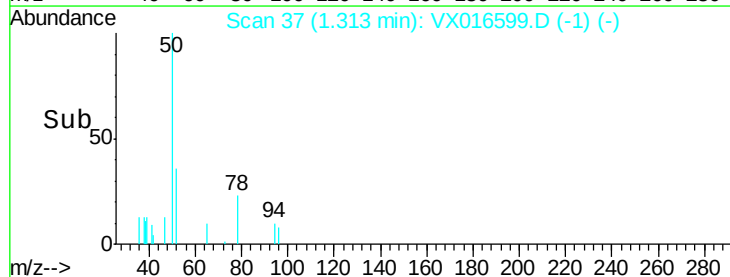
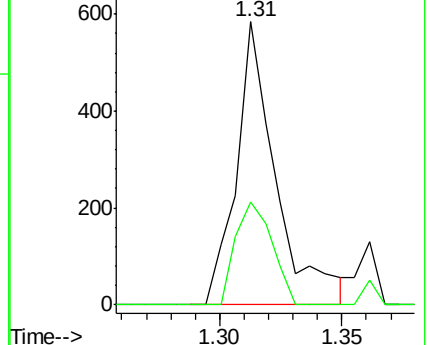
50 100

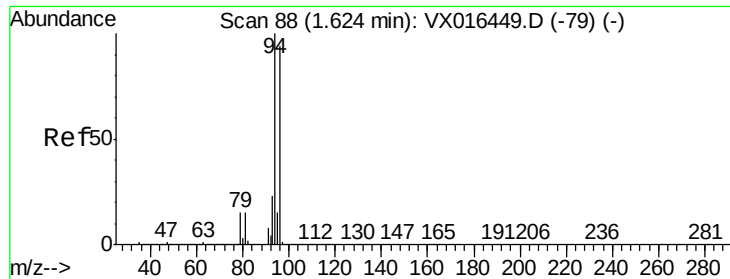
52 36.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.70 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016599.D

Acq: 05 Jun 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

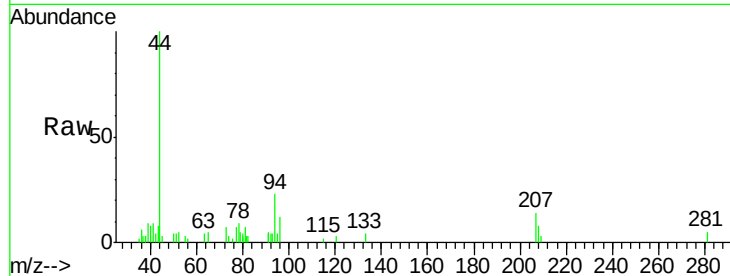
VX0605WBL01

Tgt Ion: 94 Resp: 1002

Ion Ratio Lower Upper

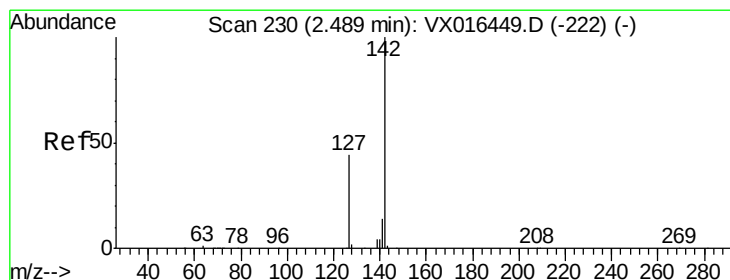
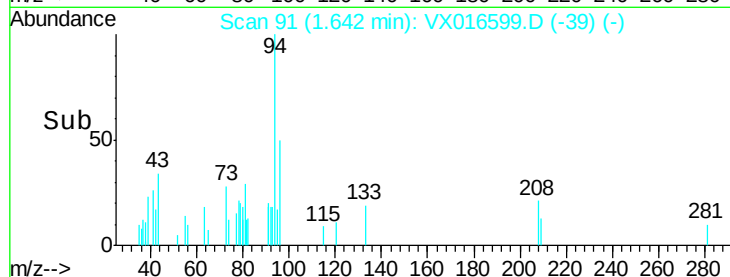
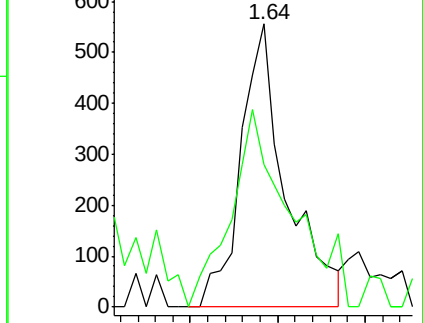
94 100

96 50.2 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 3.41 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016599.D

Acq: 05 Jun 2020 10:21

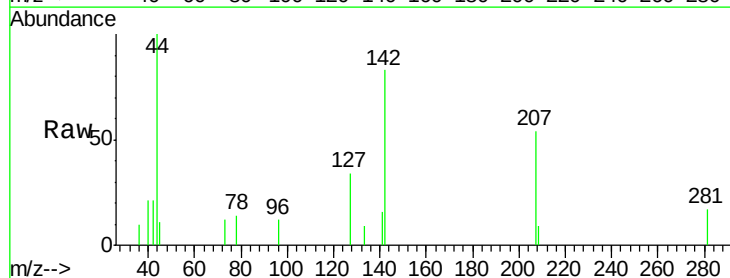
Tgt Ion: 142 Resp: 962

Ion Ratio Lower Upper

142 100

127 37.9 35.3 52.9

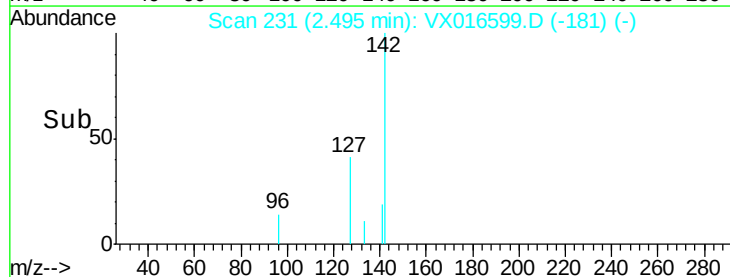
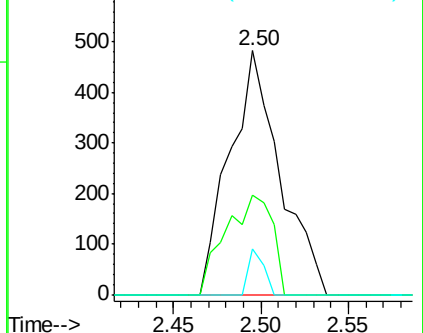
141 5.6 11.4 17.2#

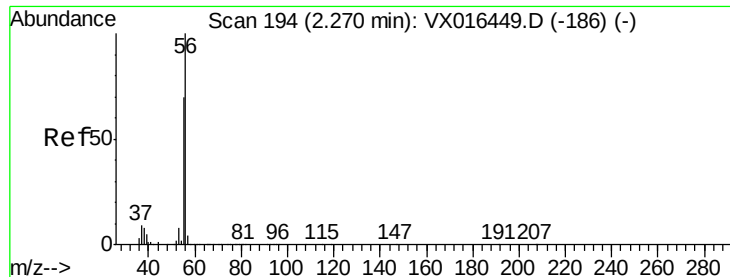


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 1.73 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016599.D

Acq: 05 Jun 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

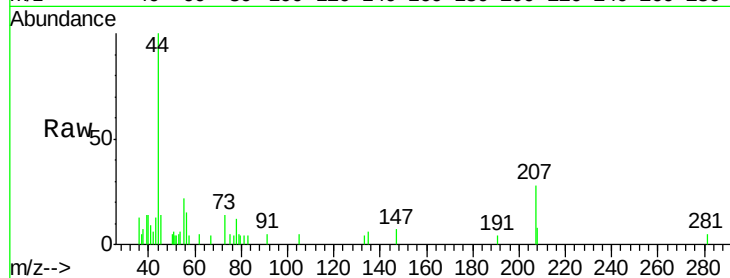
VX0605WBL01

Tgt Ion: 56 Resp: 548

Ion Ratio Lower Upper

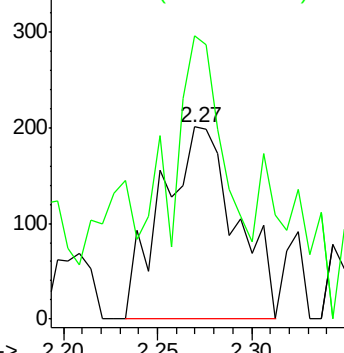
56 100

55 97.6 58.3 87.5#

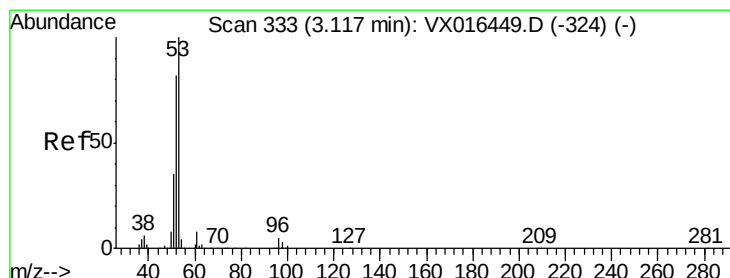
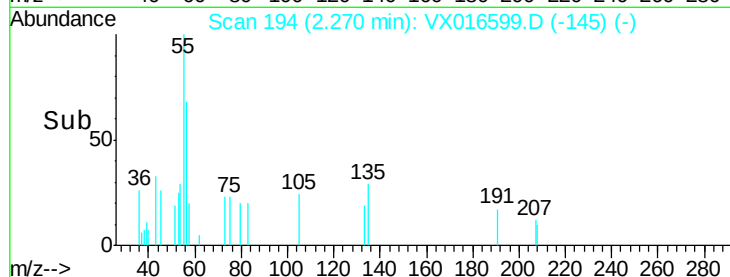


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.31 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016599.D

Acq: 05 Jun 2020 10:21

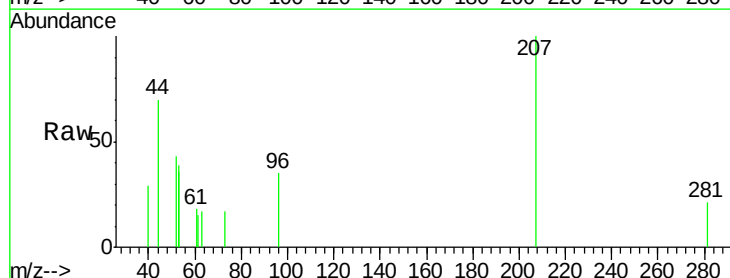
Tgt Ion: 53 Resp: 465

Ion Ratio Lower Upper

53 100

52 89.0 66.7 100.1

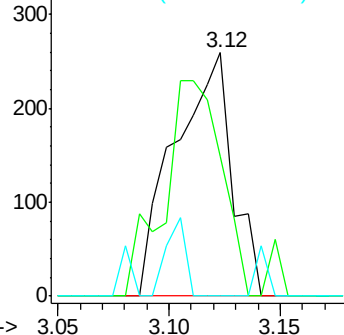
51 10.8 28.6 43.0#



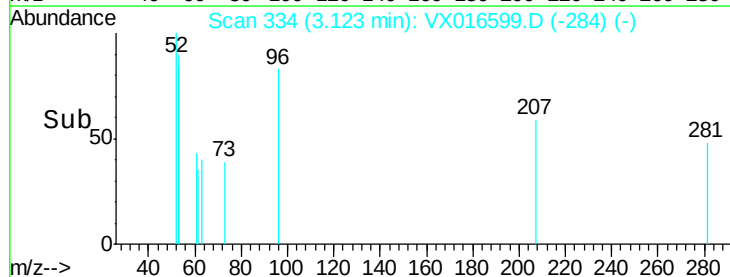
Abundance Ion 53.00 (52.70 to 53.70): VX0

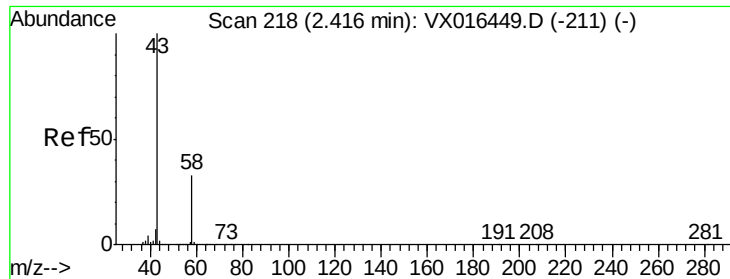
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: 0.51 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016599.D

Acq: 05 Jun 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

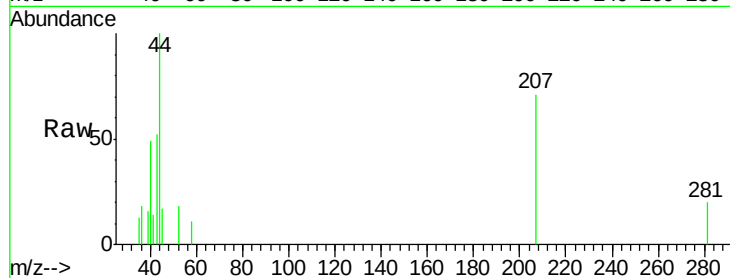
VX0605WBL01

Tgt Ion: 43 Resp: 652

Ion Ratio Lower Upper

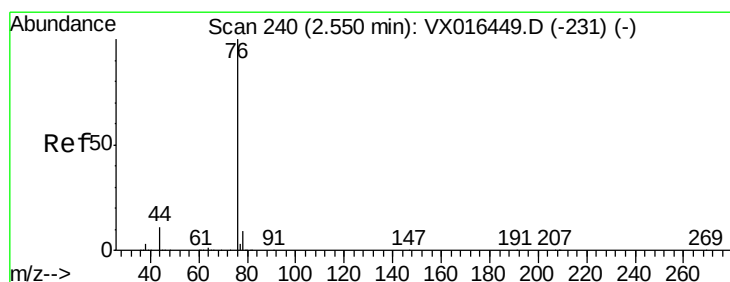
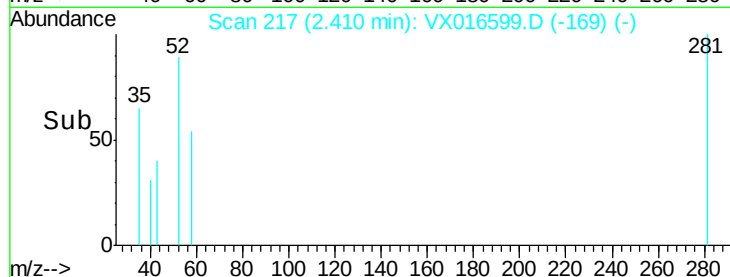
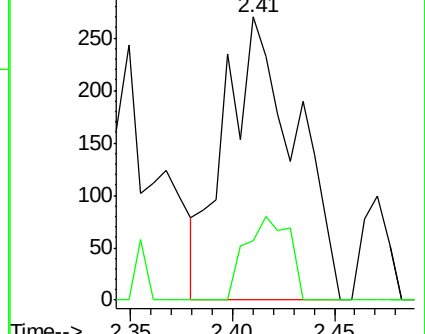
43 100

58 21.1 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.21 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016599.D

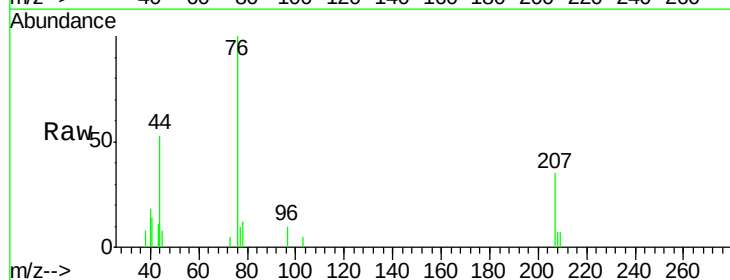
Acq: 05 Jun 2020 10:21

Tgt Ion: 76 Resp: 1418

Ion Ratio Lower Upper

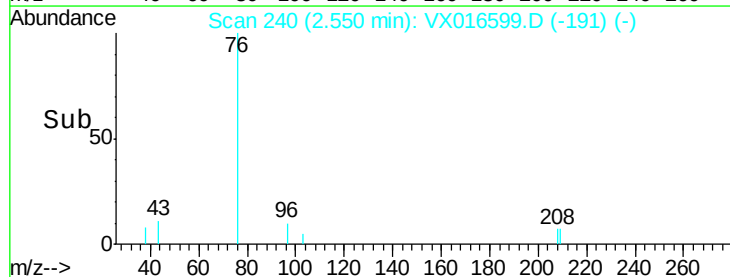
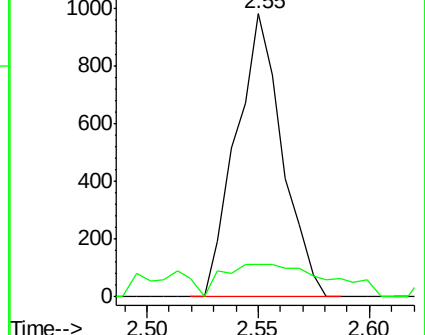
76 100

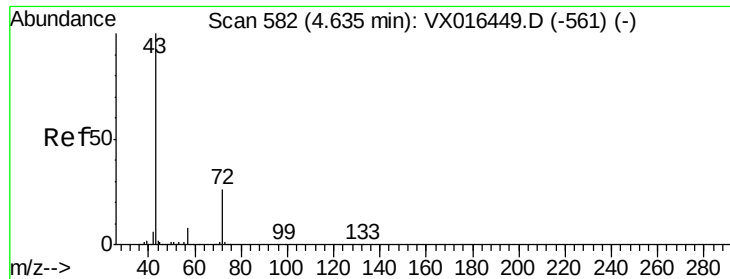
78 5.1 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: 0.28 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016599.D

Acq: 05 Jun 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

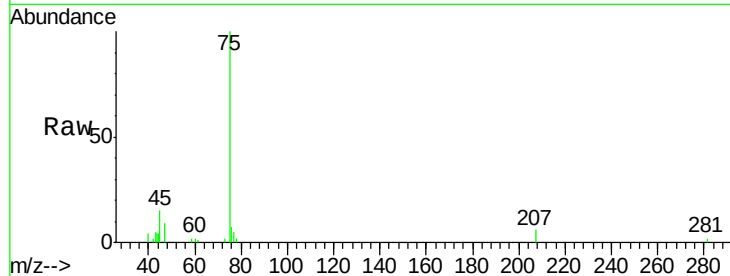
VX0605WBL01

Tgt Ion: 43 Resp: 598

Ion Ratio Lower Upper

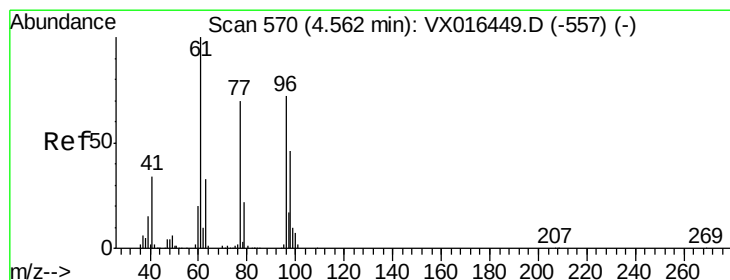
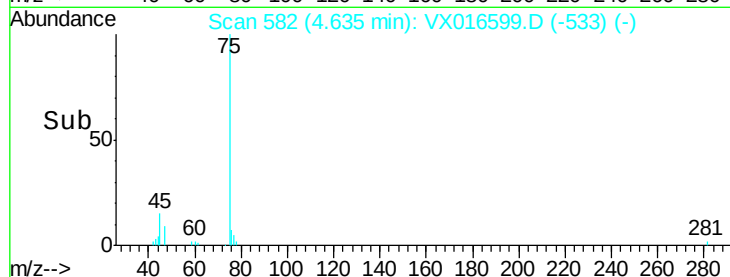
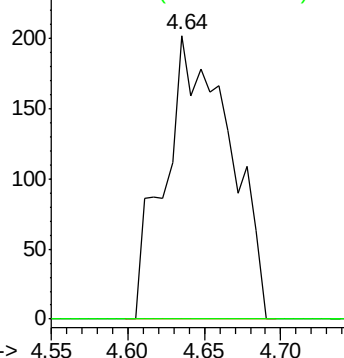
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.30 ug/l

RT: 4.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VX016599.D

Acq: 05 Jun 2020 10:21

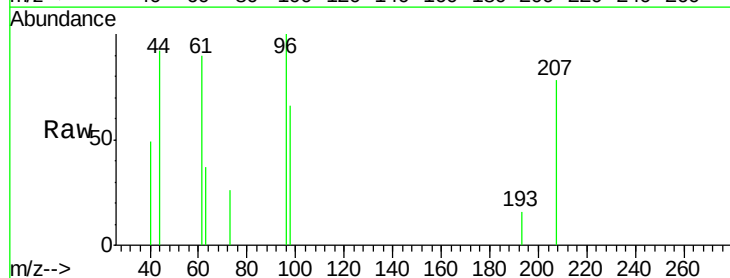
Tgt Ion: 96 Resp: 860

Ion Ratio Lower Upper

96 100

61 113.6 0.0 284.6

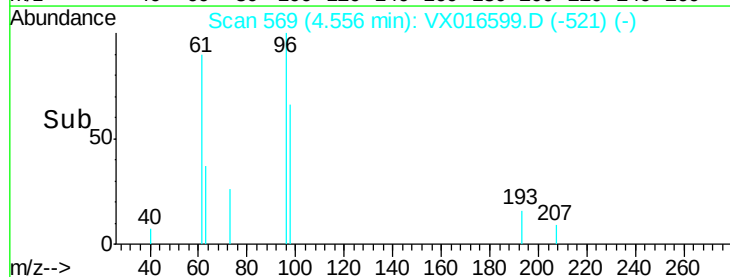
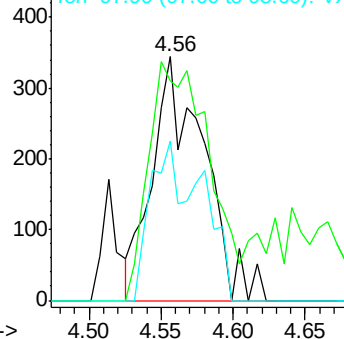
98 40.9 0.0 127.2

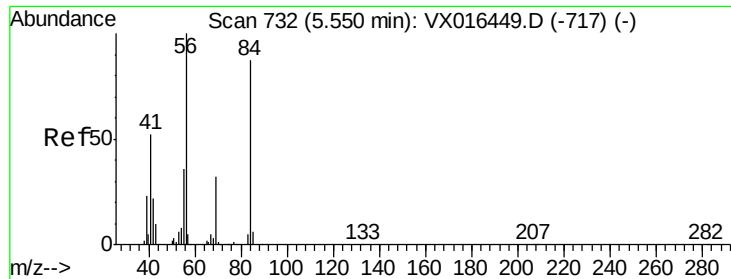


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

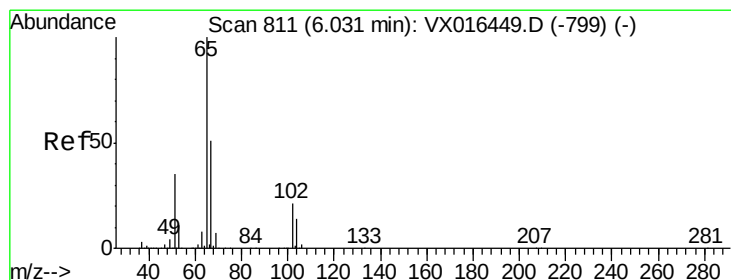
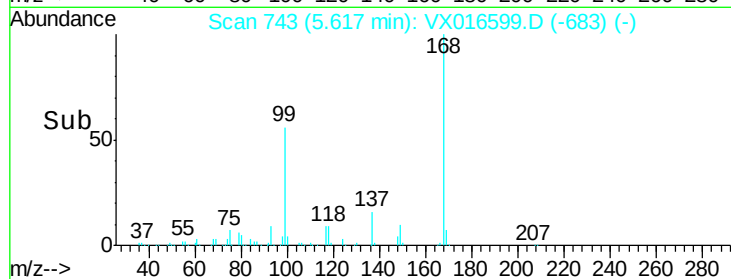
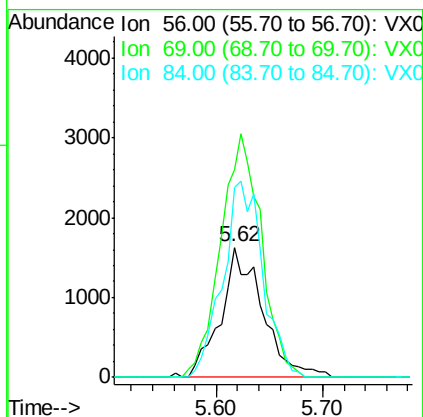
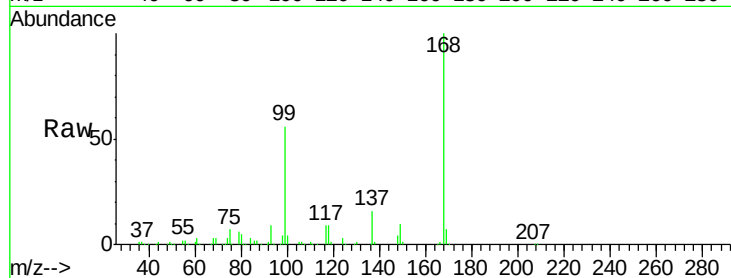




#31
Cyclohexane
Concen: 1.11 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX016599.D
Acq: 05 Jun 2020 10:21

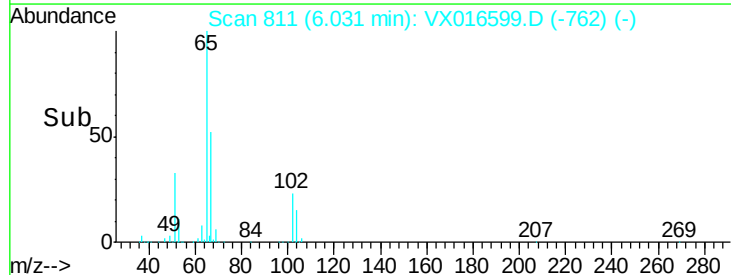
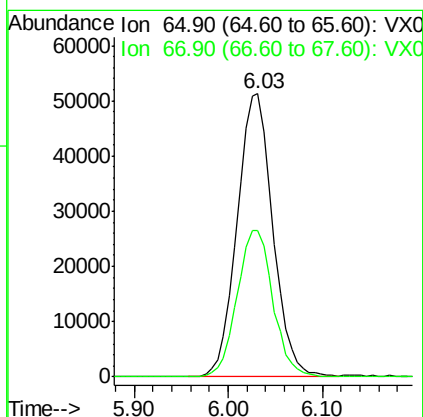
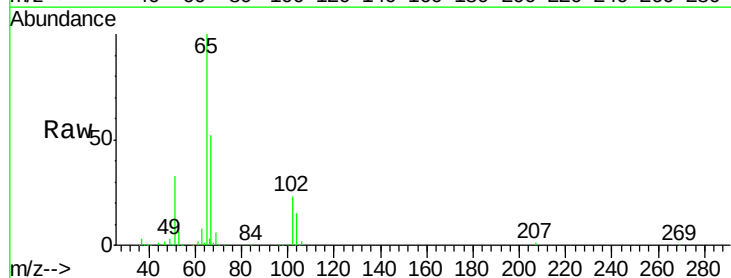
Instrument :
MSVOA_X
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VX0605WBL01

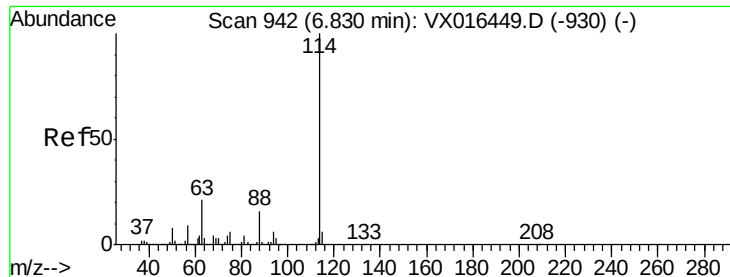
Tgt Ion: 56 Resp: 4455
Ion Ratio Lower Upper
56 100
69 159.4 25.7 38.5#
84 146.1 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.96 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016599.D
Acq: 05 Jun 2020 10:21

Tgt Ion: 65 Resp: 135977
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8

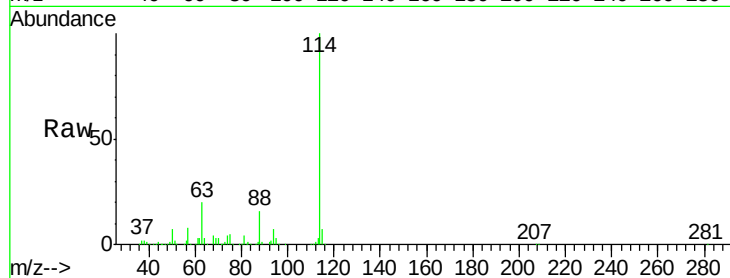




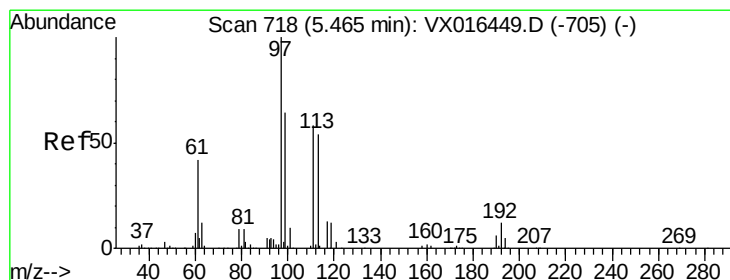
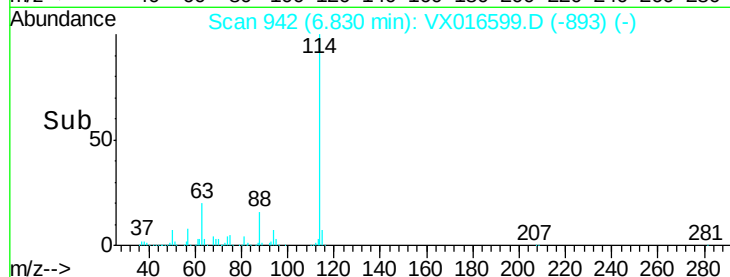
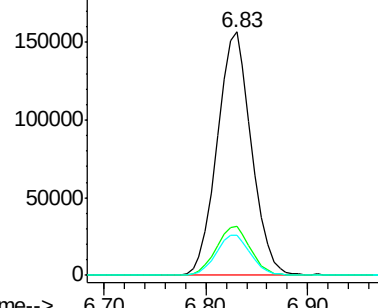
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.83 min Scan# 942
Delta R.T. -0.00 min
Lab File: VX016599.D
Acq: 05 Jun 2020 10:21

Instrument :
MSVOA_X
ClientSampleId :
VX0605WBL01

Tgt Ion:114 Resp: 364956
Ion Ratio Lower Upper
114 100
63 20.0 0.0 42.6
88 16.3 0.0 32.8

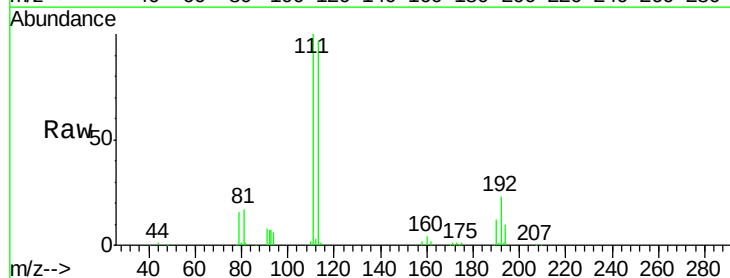


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

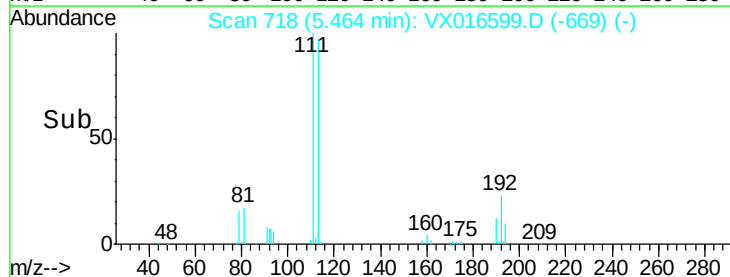
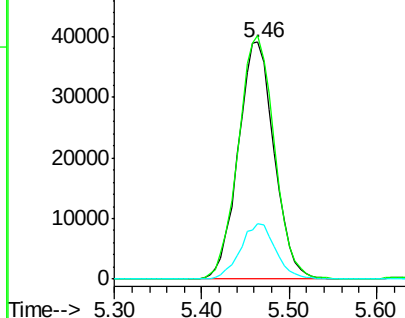


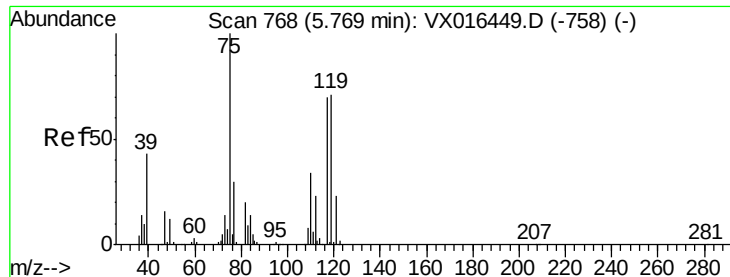
#35
Dibromofluoromethane
Concen: 49.82 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX016599.D
Acq: 05 Jun 2020 10:21

Tgt Ion:113 Resp: 111946
Ion Ratio Lower Upper
113 100
111 103.3 83.0 124.6
192 22.8 17.7 26.5



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

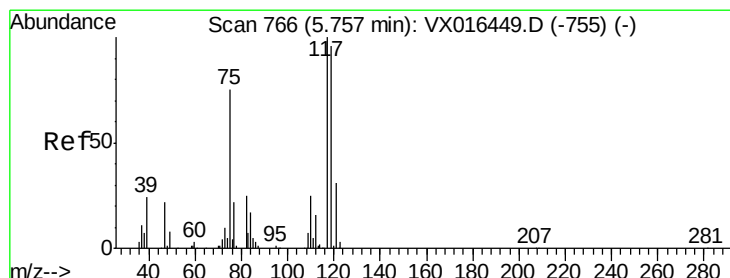
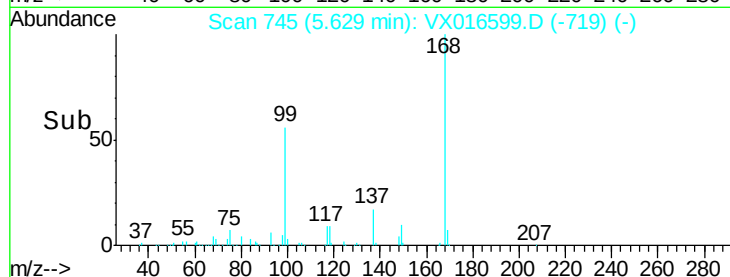
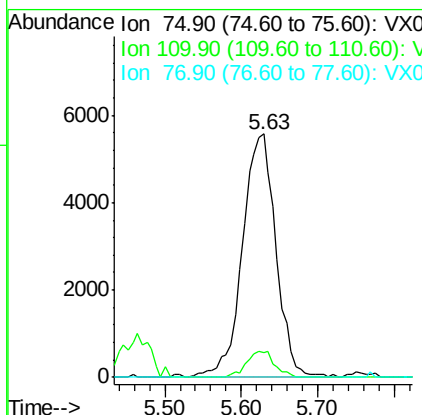
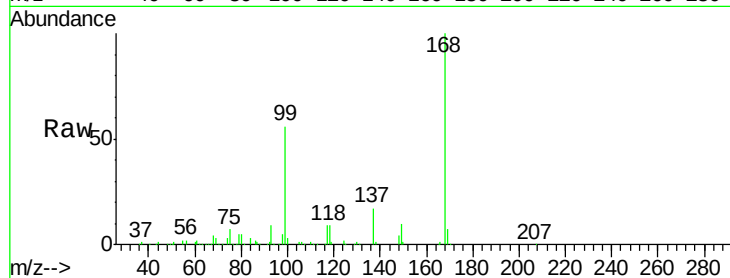




#36
 1,1-Dichloropropene
 Concen: 4.92 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016599.D
 Acq: 05 Jun 2020 10:21

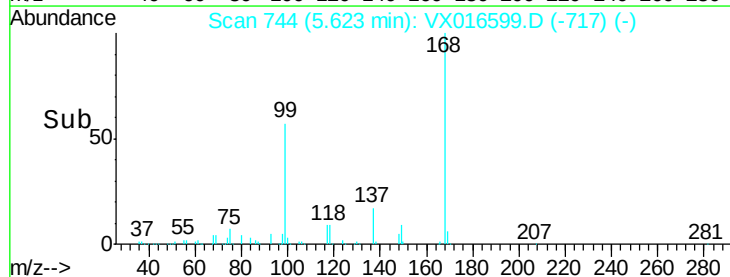
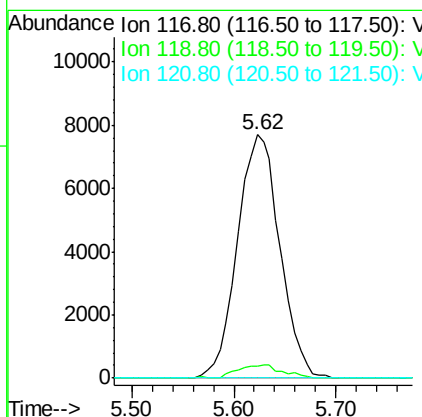
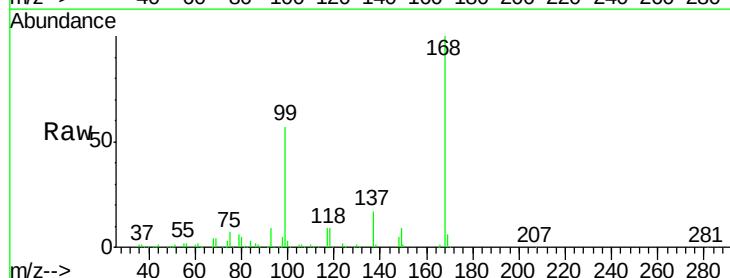
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBL01

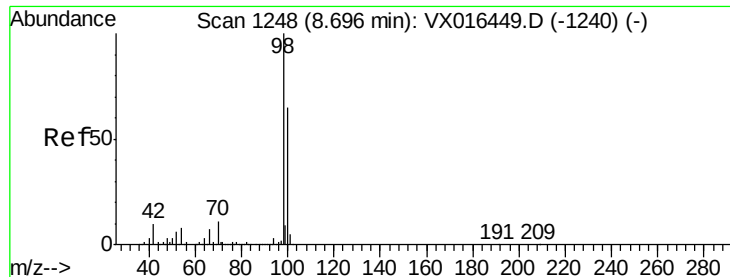
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.4	52.3#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 6.11 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX016599.D
 Acq: 05 Jun 2020 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.3	114.5#
121	0.0	24.6	37.0#

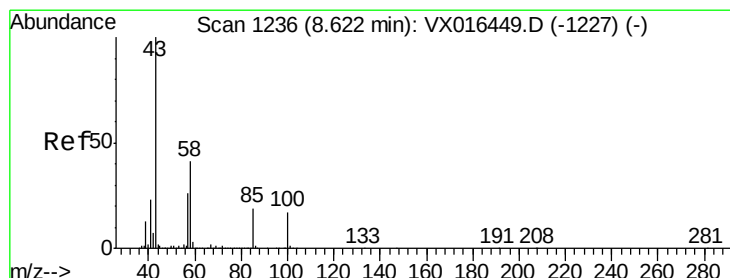
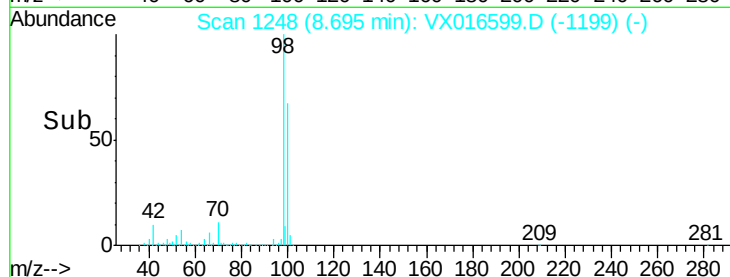
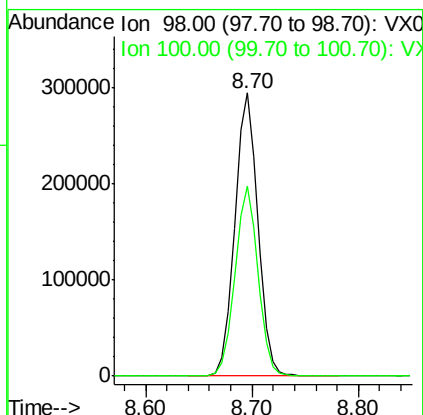
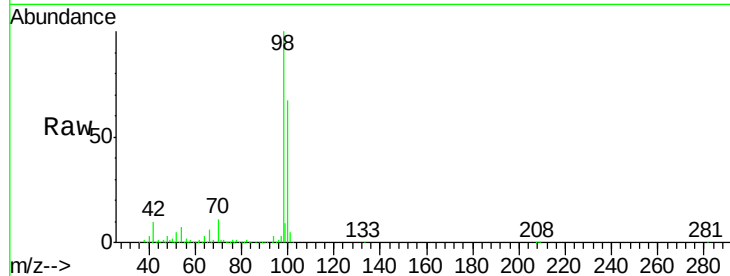




#50
Toluene-d8
Concen: 51.47 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016599.D
Acq: 05 Jun 2020 10:21

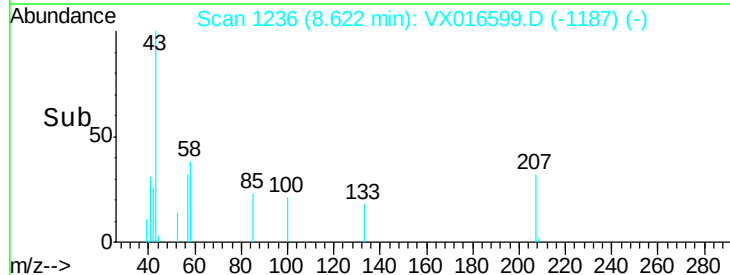
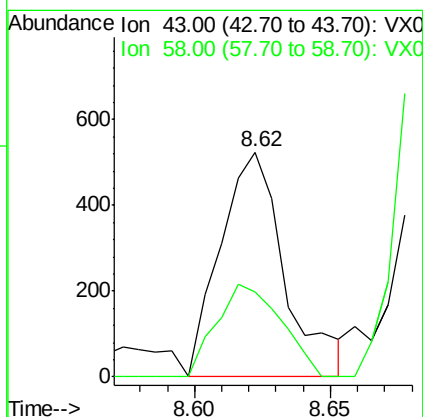
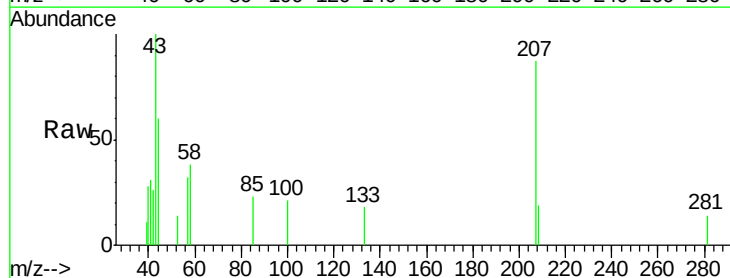
Instrument :
MSVOA_X
ClientSampleId :
VX0605WBL01

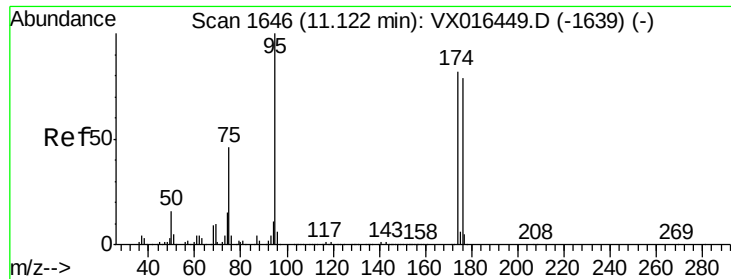
Tgt Ion: 98 Resp: 450205
Ion Ratio Lower Upper
98 100
100 66.6 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 0.21 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016599.D
Acq: 05 Jun 2020 10:21

Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
58 41.3 33.0 49.6





#62

4-Bromofluorobenzene

Concen: 50.93 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016599.D

Acq: 05 Jun 2020 10:21

Instrument :

MSVOA_X

ClientSampleId :

VX0605WBL01

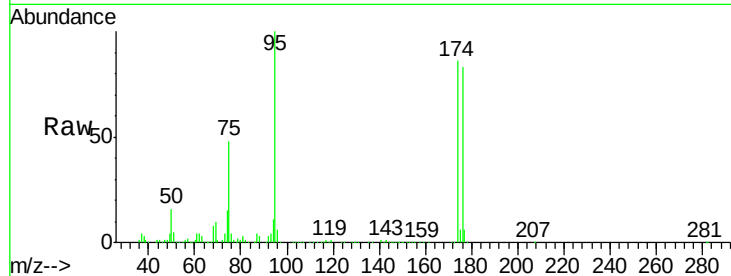
Tgt Ion: 95 Resp: 172122

Ion Ratio Lower Upper

95 100

174 84.7 0.0 163.0

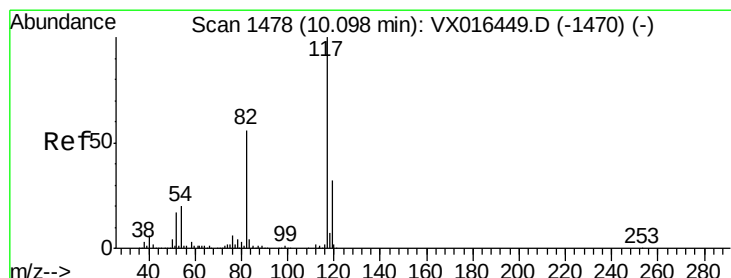
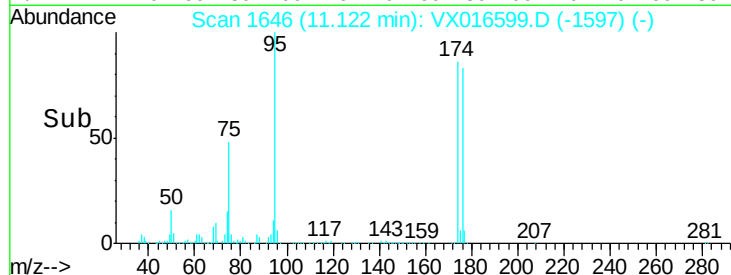
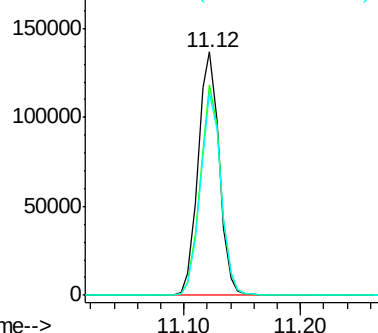
176 81.6 0.0 156.8



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: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016599.D

Acq: 05 Jun 2020 10:21

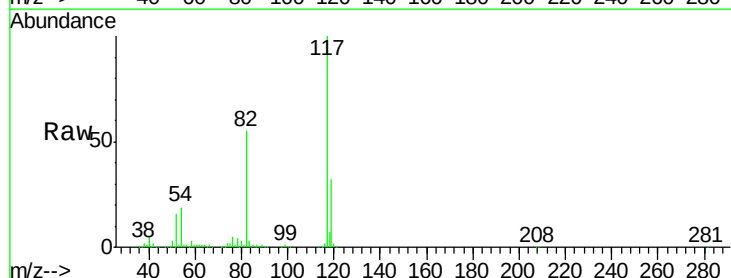
Tgt Ion: 117 Resp: 357096

Ion Ratio Lower Upper

117 100

82 54.8 45.0 67.6

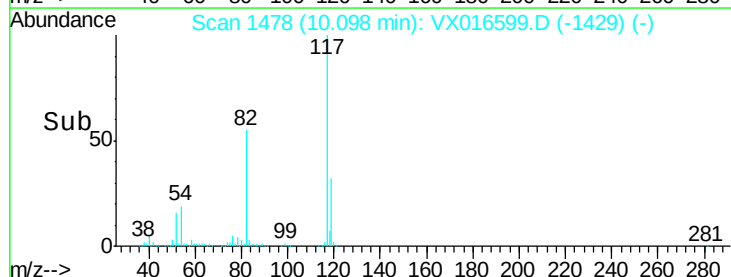
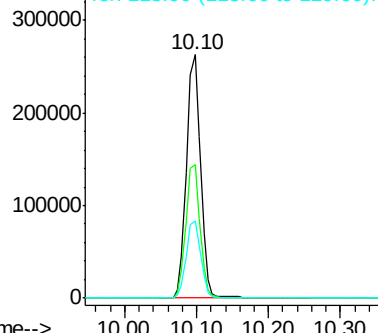
119 31.9 25.8 38.8

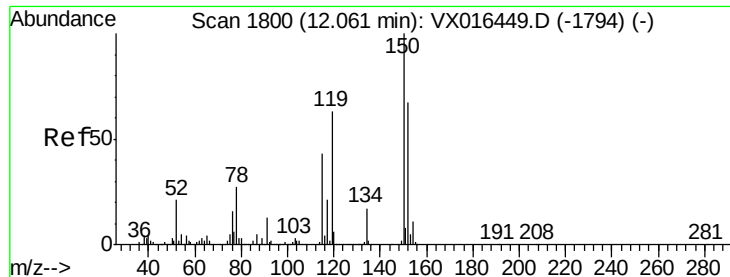


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016599.D

Acq: 05 Jun 2020 10:21

Instrument :

MSVOA_X

ClientSampled :

VX0605WBL01

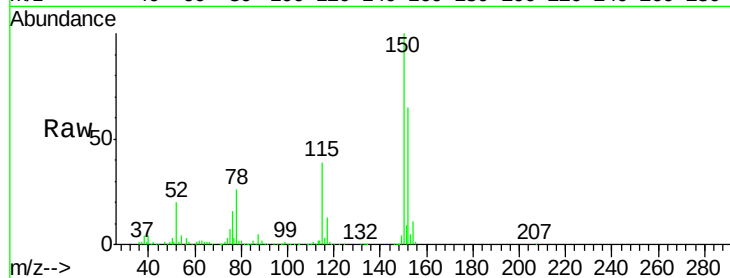
Tgt Ion:152 Resp: 166283

Ion Ratio Lower Upper

152 100

115 59.7 39.9 119.6

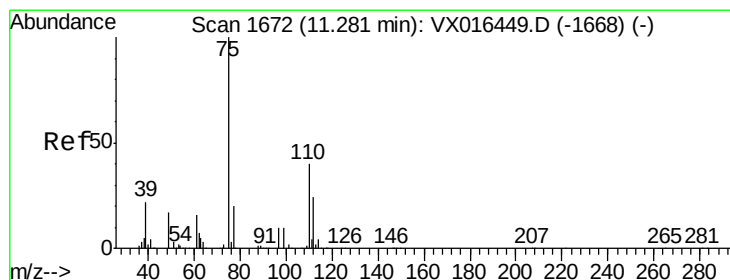
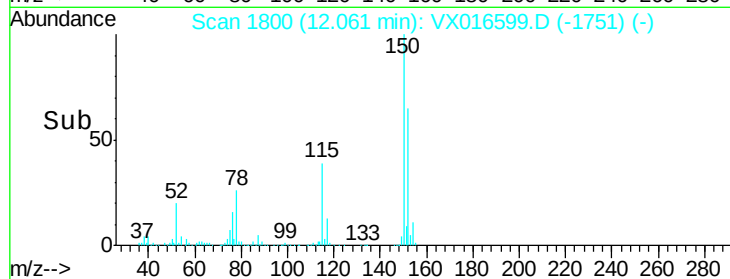
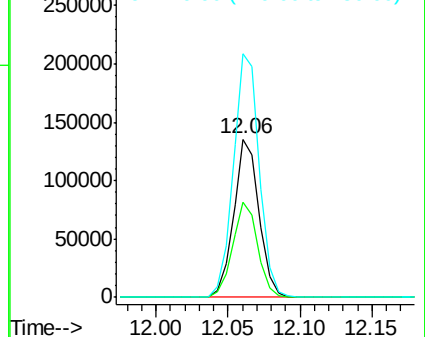
150 157.3 0.0 341.0



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: 22.83 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016599.D

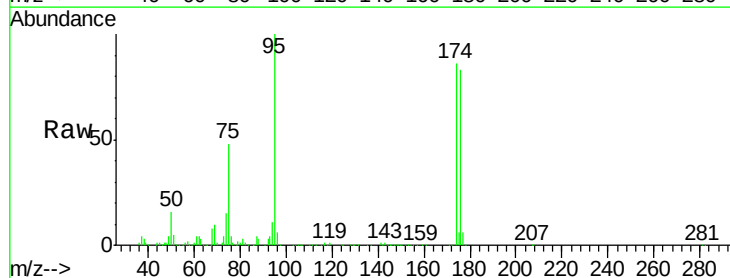
Acq: 05 Jun 2020 10:21

Tgt Ion: 75 Resp: 83447

Ion Ratio Lower Upper

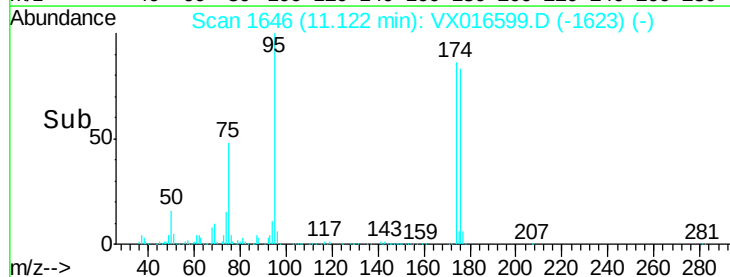
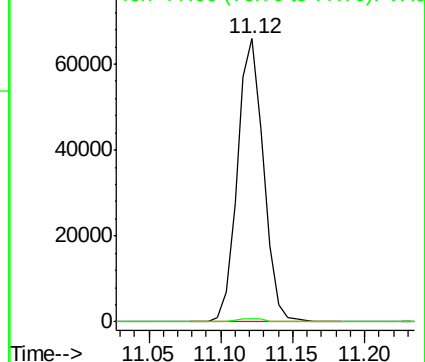
75 100

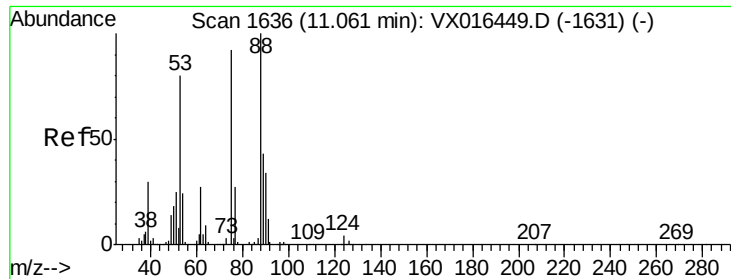
77 1.2 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

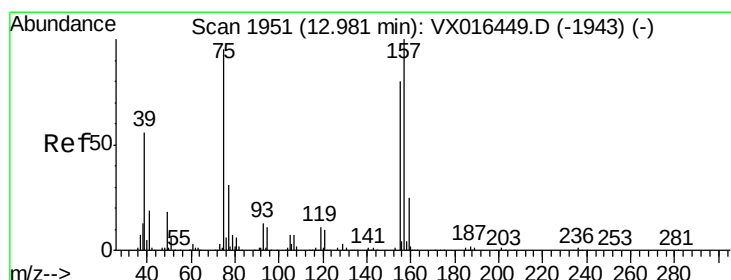
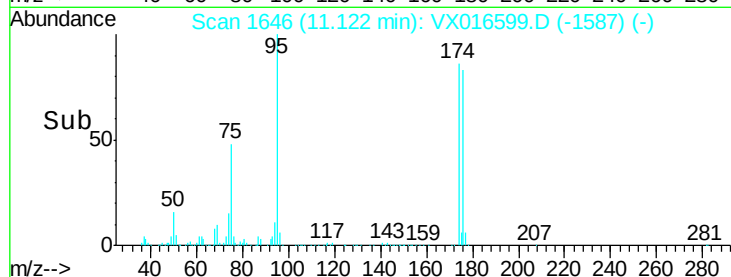
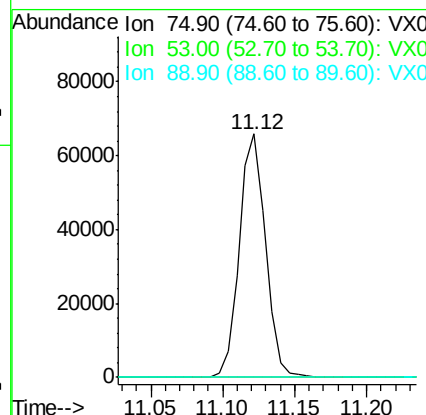
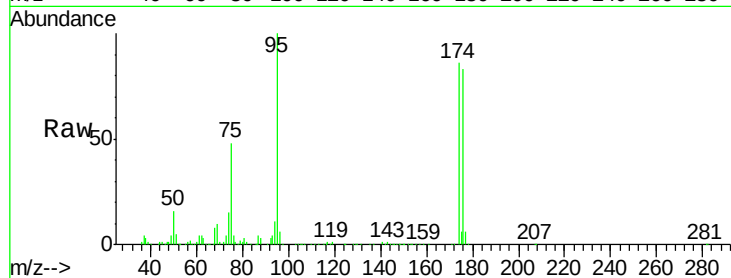




#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.16 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016599.D
 Acq: 05 Jun 2020 10:21

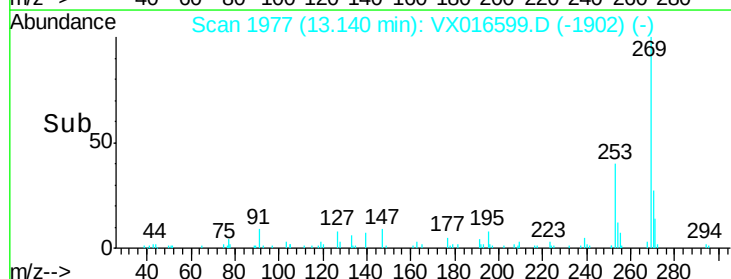
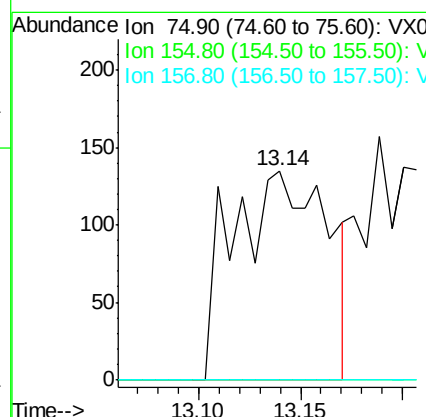
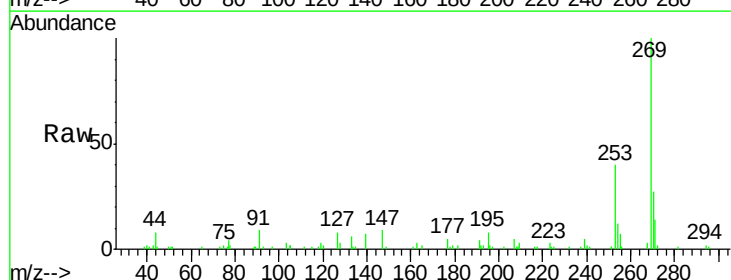
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBL01

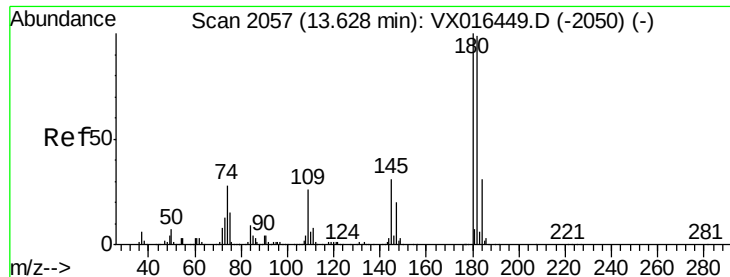
Tgt Ion: 75 Resp: 83447
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 36.6 55.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.47 ug/l
 RT: 13.14 min Scan# 1977
 Delta R.T. 0.16 min
 Lab File: VX016599.D
 Acq: 05 Jun 2020 10:21

Tgt Ion: 75 Resp: 439
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 57.8 173.3#

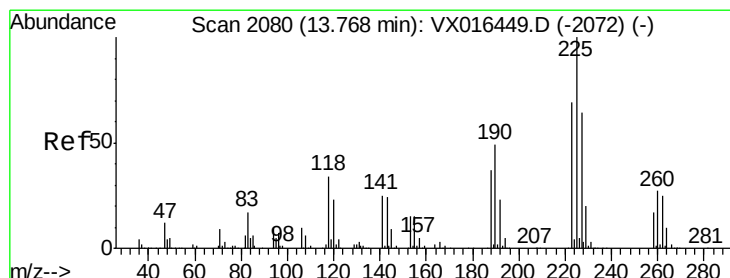
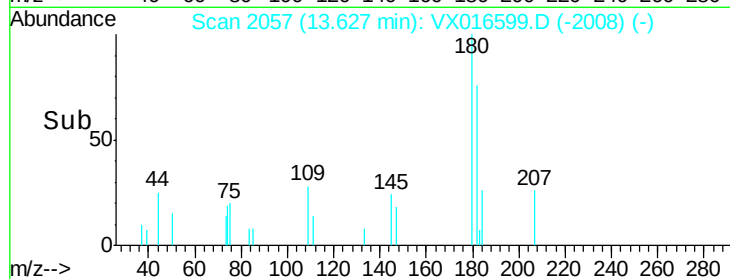
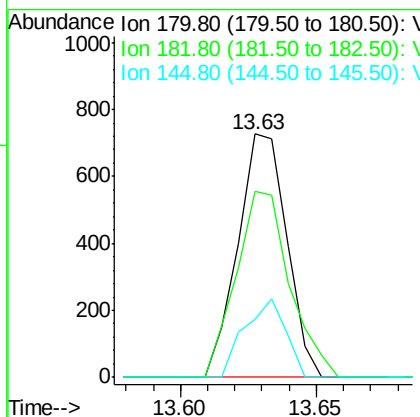
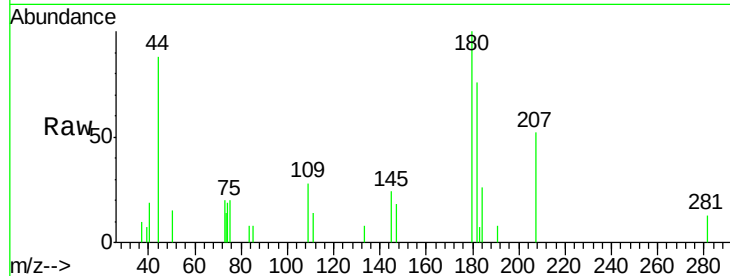




#93
 1,2,4-Trichlorobenzene
 Concen: 0.27 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016599.D
 Acq: 05 Jun 2020 10:21

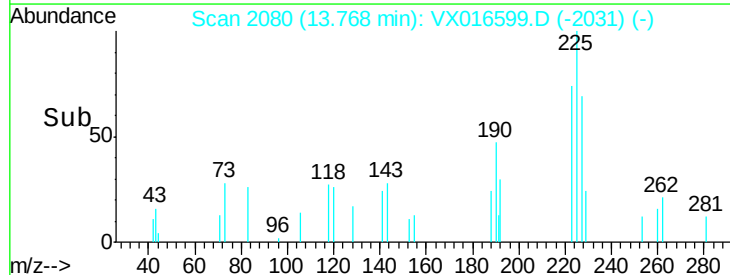
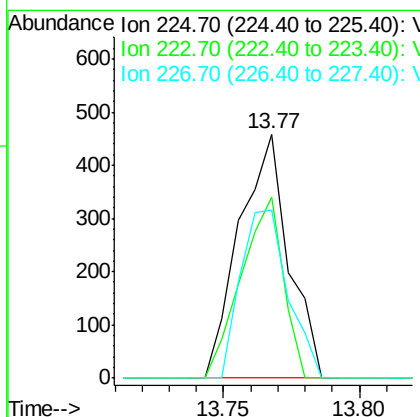
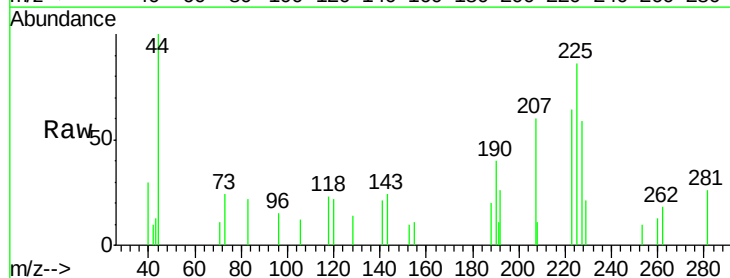
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBL01

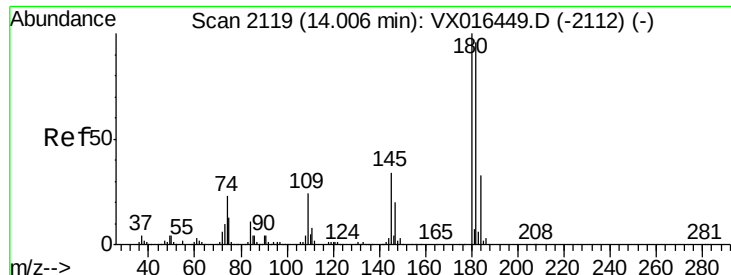
Tgt Ion:180 Resp: 904
 Ion Ratio Lower Upper
 180 100
 182 83.7 48.3 144.8
 145 27.1 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 0.43 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016599.D
 Acq: 05 Jun 2020 10:21

Tgt Ion:225 Resp: 573
 Ion Ratio Lower Upper
 225 100
 223 63.4 32.3 96.8
 227 66.3 31.6 94.7

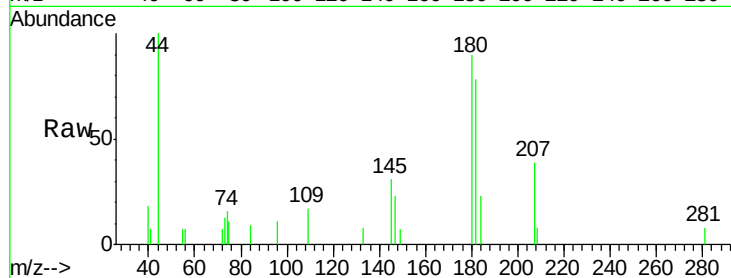




#96
 1,2,3-Trichlorobenzene
 Concen: 0.24 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016599.D
 Acq: 05 Jun 2020 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0605WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.6	48.6	145.8
145	34.6	16.6	49.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

