

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052820\
 Data File : VX016484.D
 Acq On : 28 May 2020 14:46
 Operator : JC/SP
 Sample : L2782-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWS-RINSE

Quant Time: May 29 03:38:56 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	5.63	168	298608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	487084	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	490345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	240106	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	182492	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	5.47	113	141881	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	8.70	98	602906	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.12	95	240994	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	

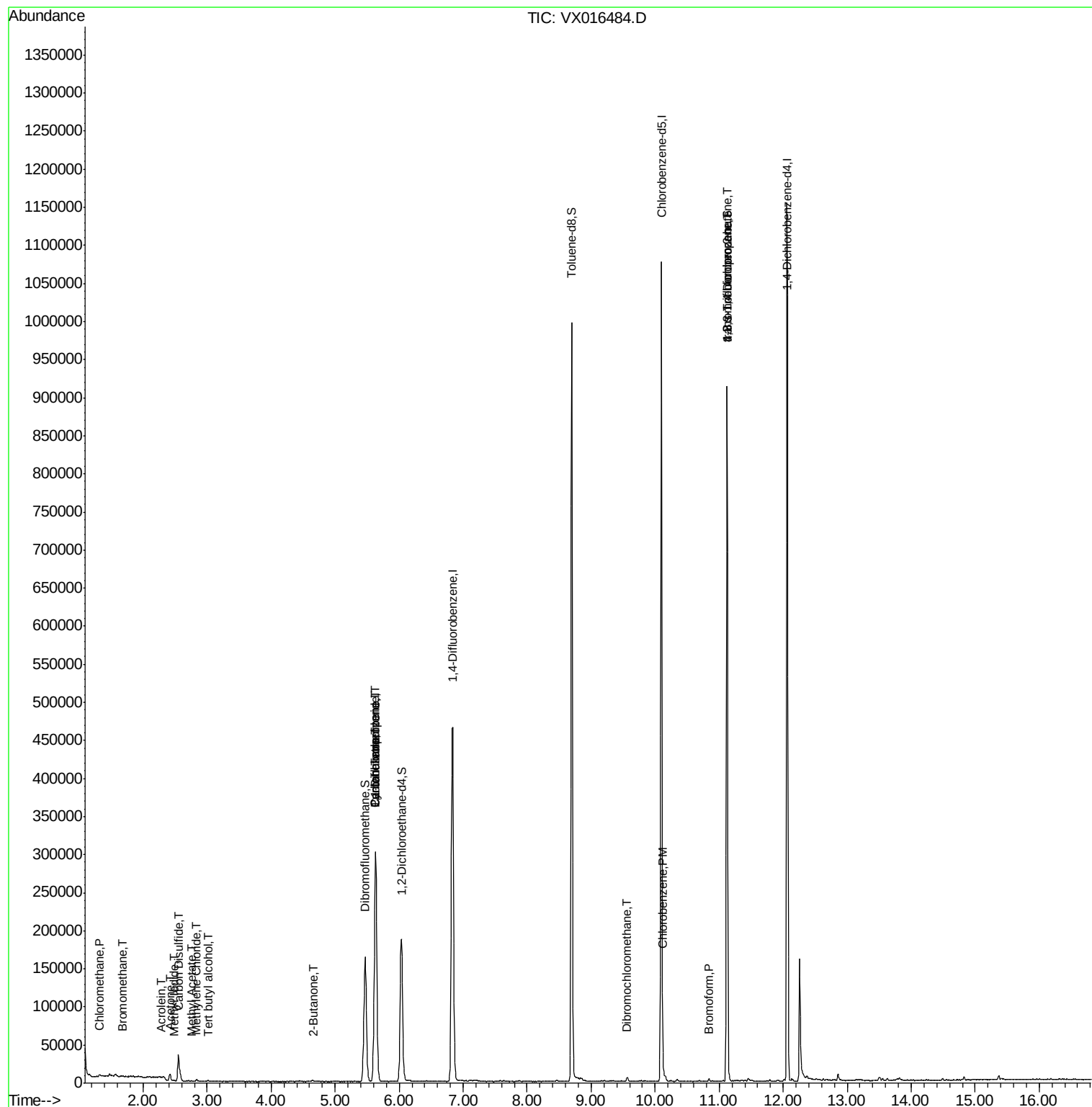
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	845	0.238	ug/l #	75
5) Bromomethane	1.67	94	486	0.266	ug/l #	8
10) Methyl Iodide	2.50	142	162	3.102	ug/l #	40
11) Tert butyl alcohol	3.01	59	1082	1.138	ug/l #	82
13) Acrolein	2.28	56	294	0.727	ug/l #	36
16) Acetone	2.42	43	8677	5.341	ug/l	92
17) Carbon Disulfide	2.55	76	42185	4.944	ug/l	99
18) Methyl Acetate	2.76	43	951	0.228	ug/l #	85
20) Methylene Chloride	2.84	84	944	0.281	ug/l	87
25) 2-Butanone	4.65	43	1922	0.698	ug/l	99
31) Cyclohexane	5.62	56	5716	1.109	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	21741	4.714	ug/l #	51
38) Carbon Tetrachloride	5.64	117	28804	5.943	ug/l #	17
60) Dibromochloromethane	9.56	129	1112	0.287	ug/l	86
65) Chlorobenzene	10.12	112	3854	0.386	ug/l	92
71) Bromoform	10.84	173	1268	0.393	ug/l #	91
76) 1,2,3-Trichloropropane	11.12	75	118959	22.540	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	118959	55.445	ug/l #	14

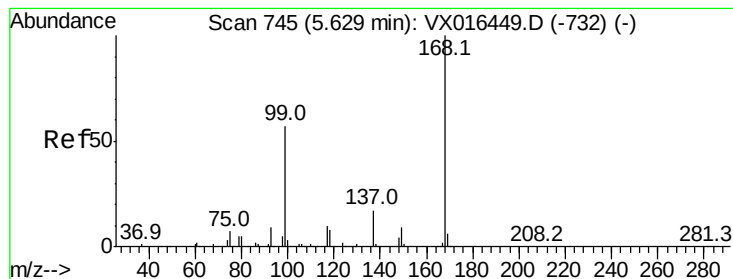
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

Instrument :

MSVOA_X

ClientSampleId :

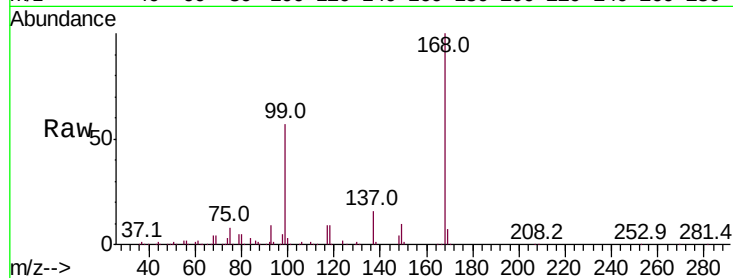
OWS-RINSE

Tot Ion:168 Resp: 298608

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

5.63

120000

100000

80000

60000

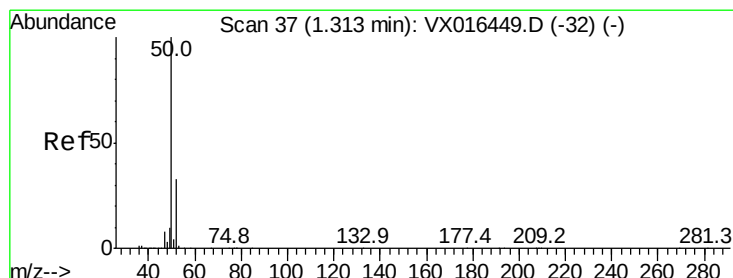
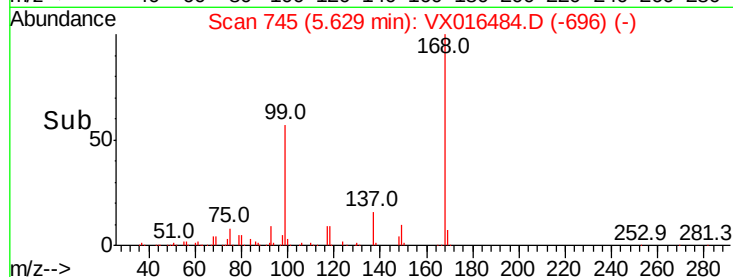
40000

20000

0

5.50 5.60 5.70

Time-->



#3

Chloromethane

Concen: 0.238 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016484.D

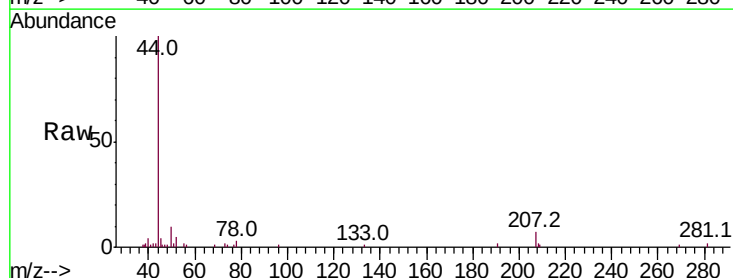
Acq: 28 May 2020 14:46

Tgt Ion: 50 Resp: 845

Ion Ratio Lower Upper

50 100

52 47.0 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

600

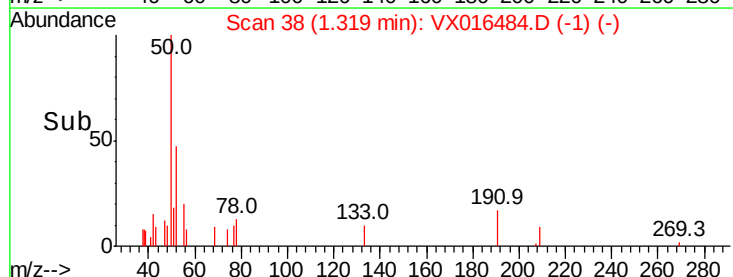
400

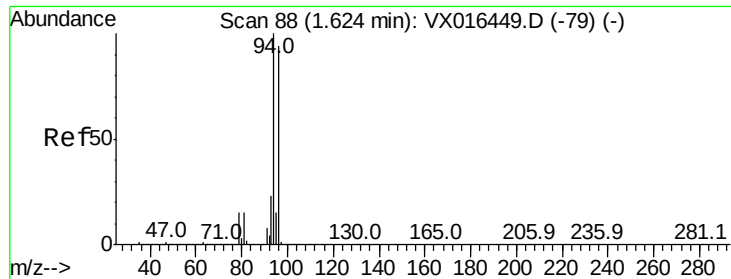
200

0

1.28 1.30 1.32 1.34

Time-->





#5

Bromomethane

Concen: 0.266 ug/l

RT: 1.67 min Scan# 96

Delta R.T. 0.05 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

Instrument :

MSVOA_X

ClientSampled :

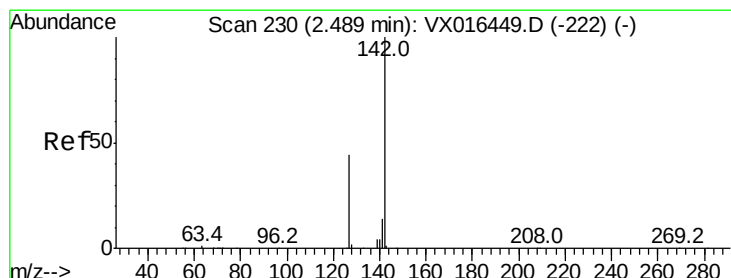
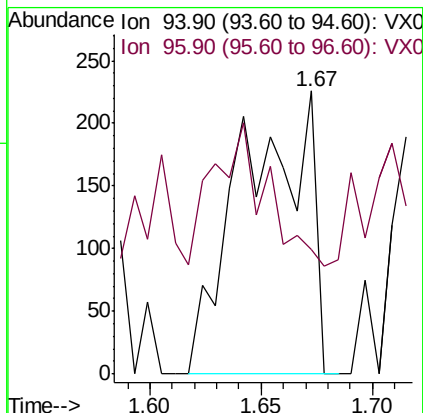
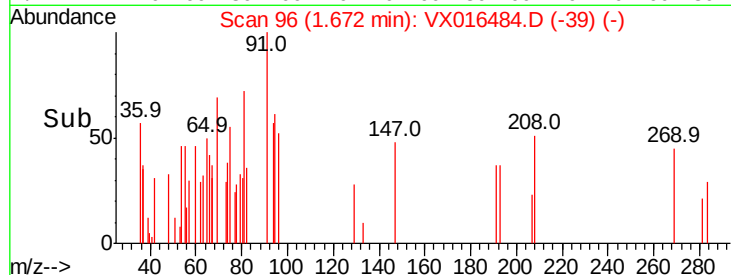
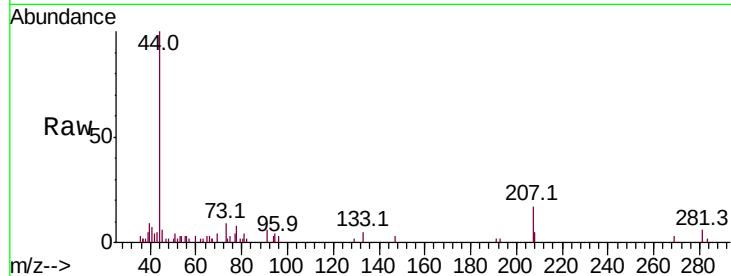
OVS-RINSE

Tot Ion: 94 Resp: 486

Ion Ratio Lower Upper

94 100

96 5.3 75.1 112.7#



#10

Methyl Iodide

Concen: 3.102 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

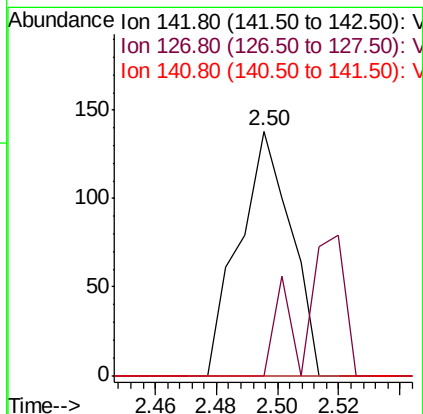
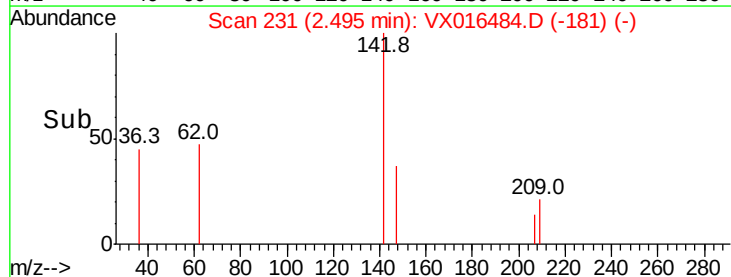
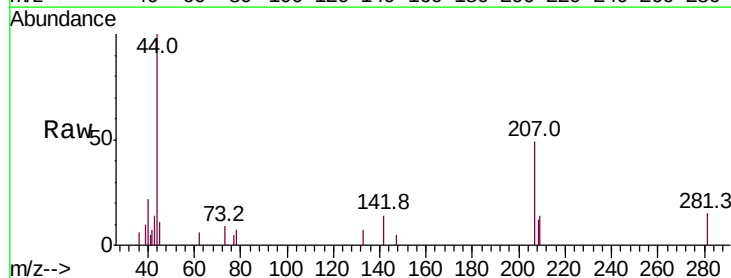
Tgt Ion: 142 Resp: 162

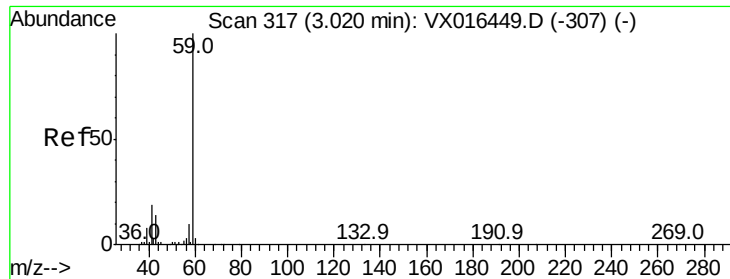
Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

141 0.0 11.4 17.2#



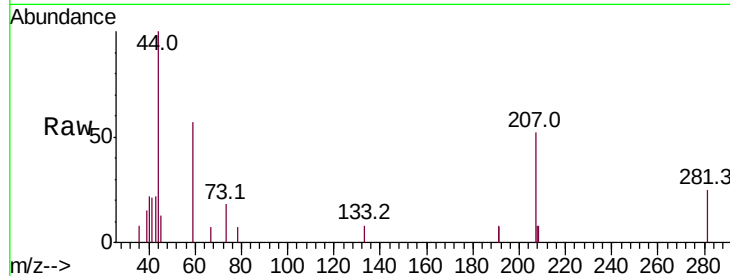


#11

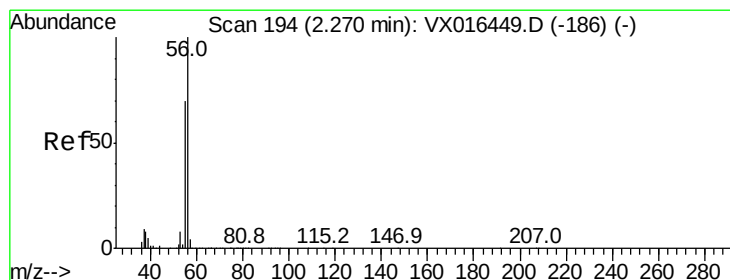
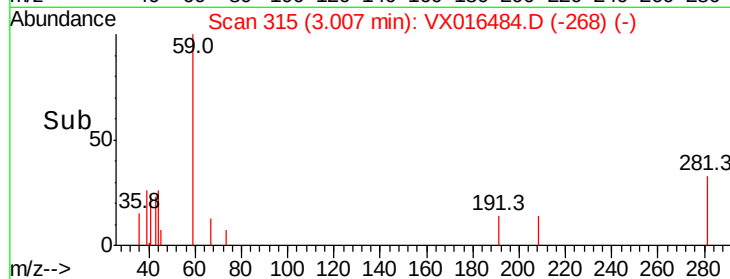
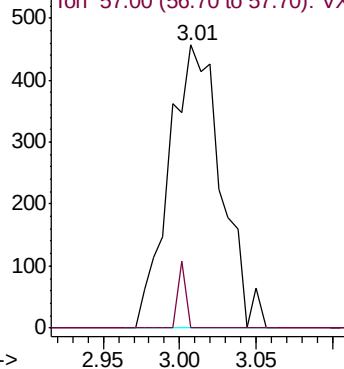
Tert butyl alcohol
Concen: 1.138 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016484.D
Acq: 28 May 2020 14:46

Instrument :
MSVOA_X
ClientSampleId :
OWS-RINSE

Tot Ion: 59 Resp: 1082
Ion Ratio Lower Upper
59 100
57 3.7 8.2 12.4#



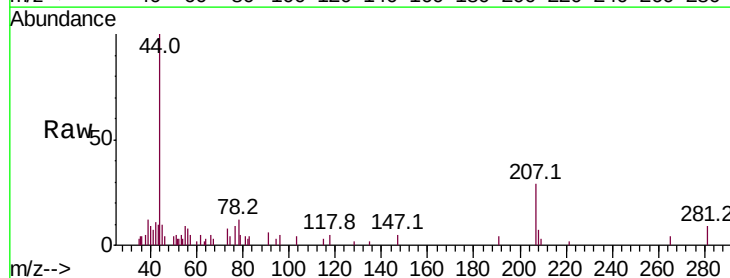
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



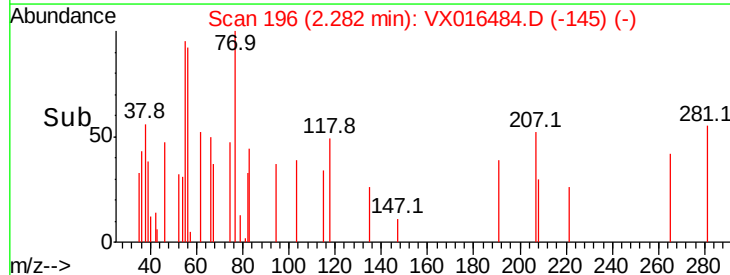
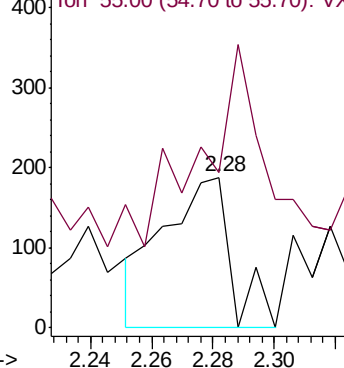
#13

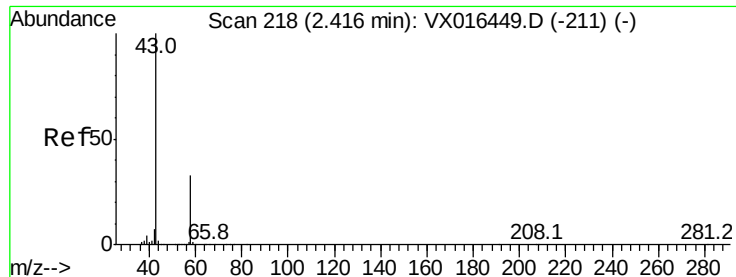
Acrolein
Concen: 0.727 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX016484.D
Acq: 28 May 2020 14:46

Tgt Ion: 56 Resp: 294
Ion Ratio Lower Upper
56 100
55 126.2 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 5.341 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

Instrument :

MSVOA_X

ClientSampleId :

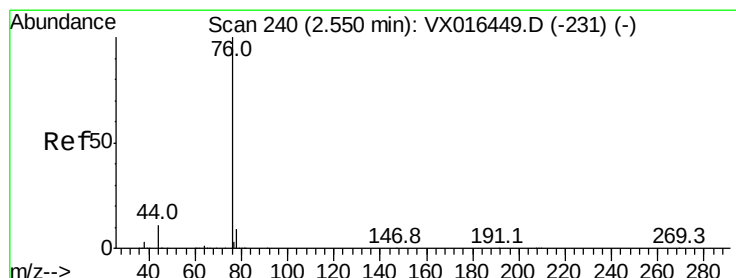
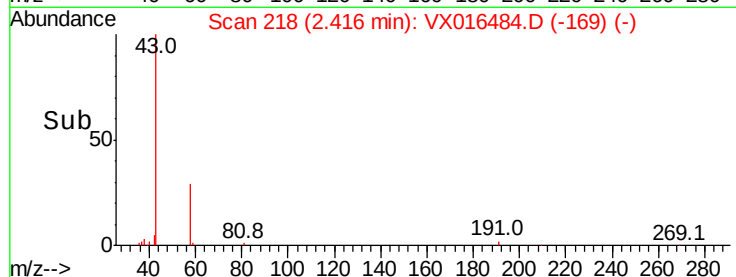
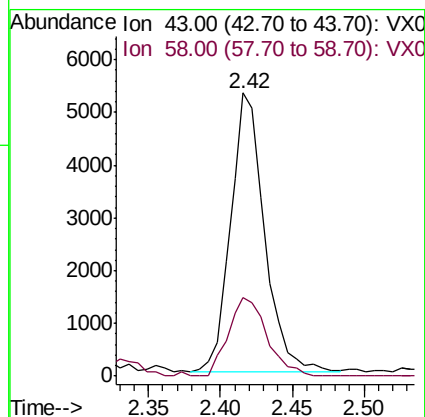
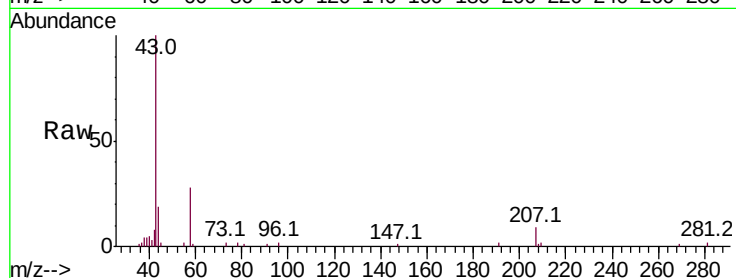
OVS-RINSE

Tot Ion: 43 Resp: 8677

Ion Ratio Lower Upper

43 100

58 28.2 26.1 39.1



#17

Carbon Disulfide

Concen: 4.944 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016484.D

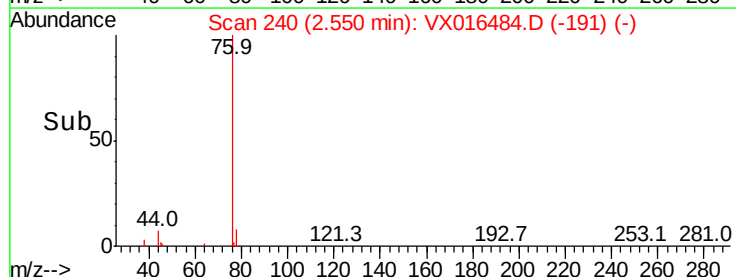
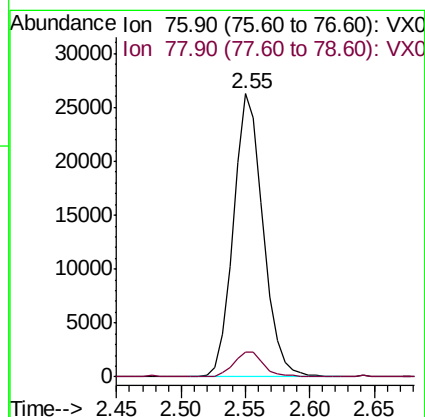
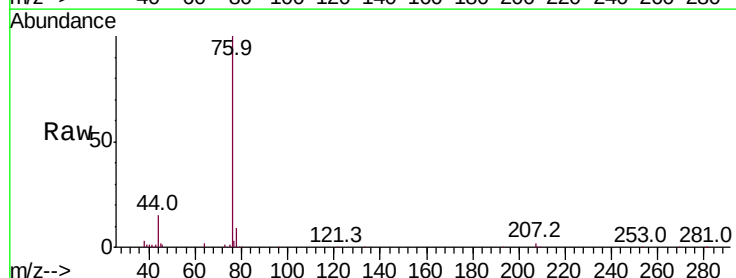
Acq: 28 May 2020 14:46

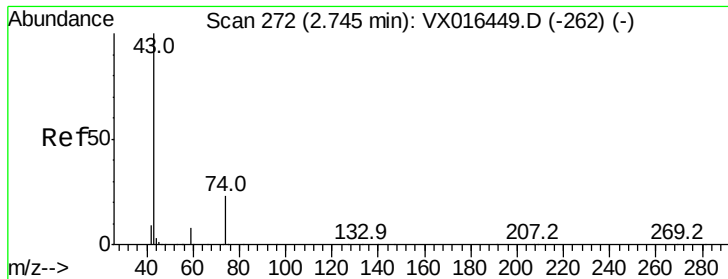
Tgt Ion: 76 Resp: 42185

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0

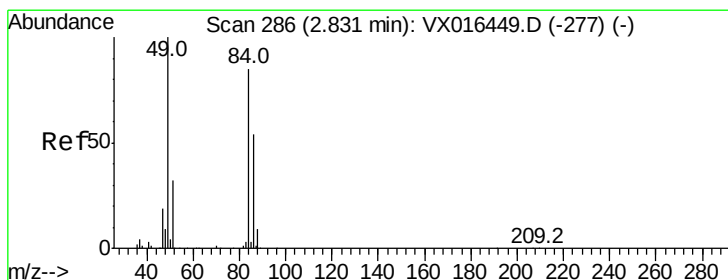
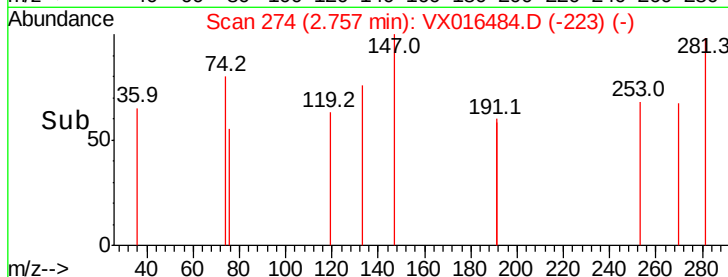
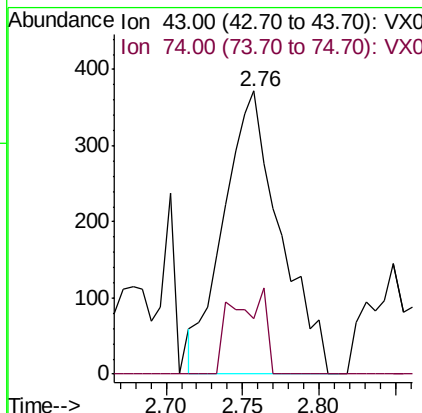
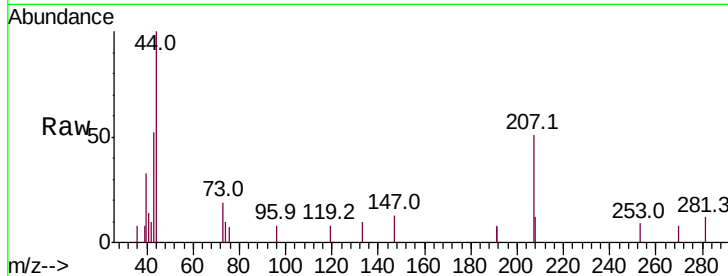




#18
Methyl Acetate
Concen: 0.228 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX016484.D
Acq: 28 May 2020 14:46

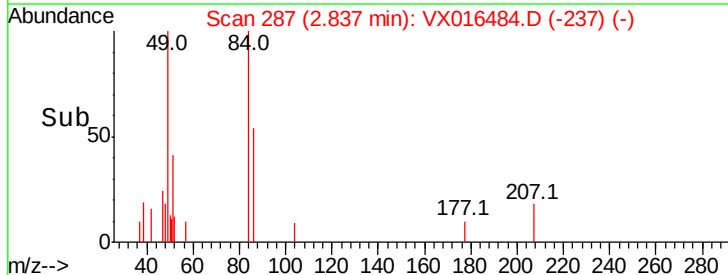
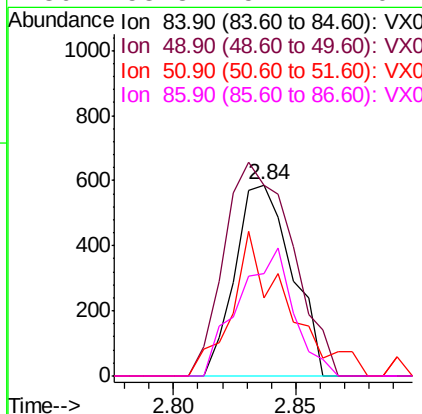
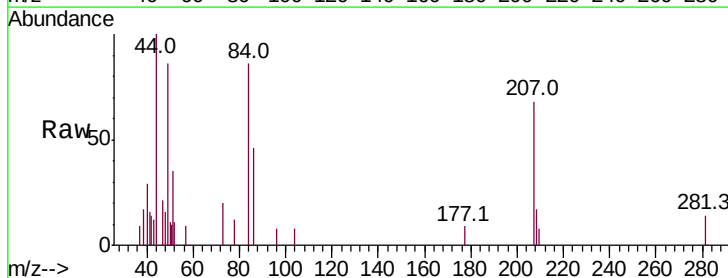
Instrument :
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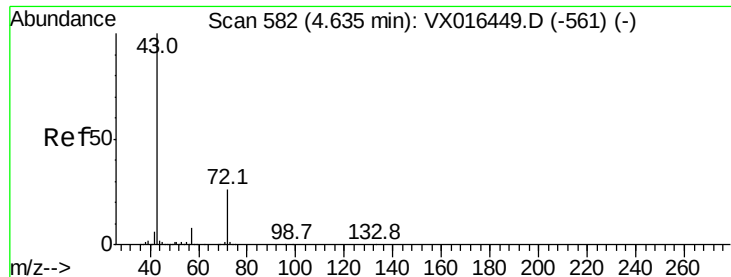
Tot Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
74 17.4 19.7 29.5#



#20
Methylene Chloride
Concen: 0.281 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016484.D
Acq: 28 May 2020 14:46

Tgt Ion: 84 Resp: 944
Ion Ratio Lower Upper
84 100
49 99.8 94.5 141.7
51 40.7 30.2 45.4
86 53.8 51.1 76.7





#25

2-Butanone

Concen: 0.698 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

Instrument :

MSVOA_X

ClientSampleId :

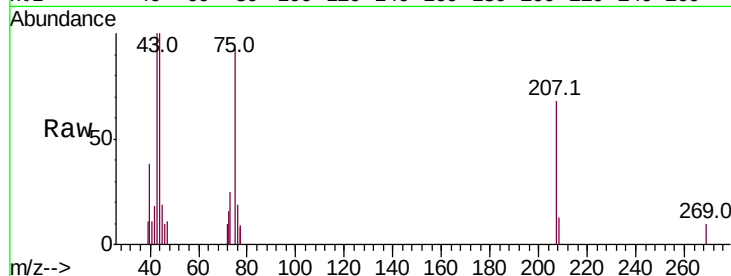
OVS-RINSE

Tot Ion: 43 Resp: 1922

Ion Ratio Lower Upper

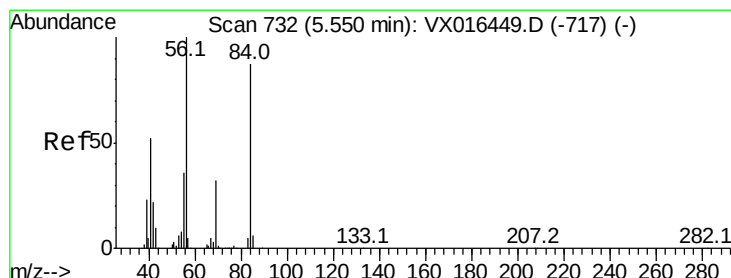
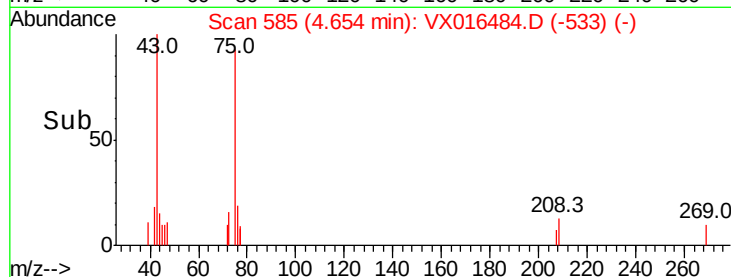
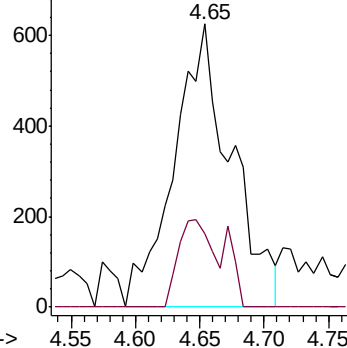
43 100

72 25.8 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

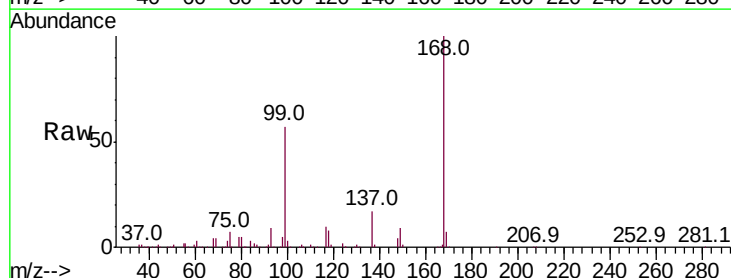
Tgt Ion: 56 Resp: 5716

Ion Ratio Lower Upper

56 100

69 183.1 25.7 38.5#

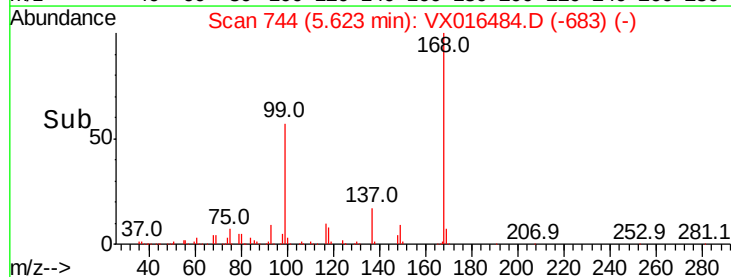
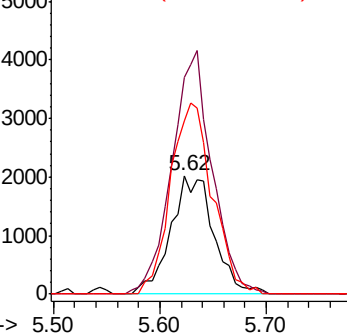
84 146.4 70.0 105.0#

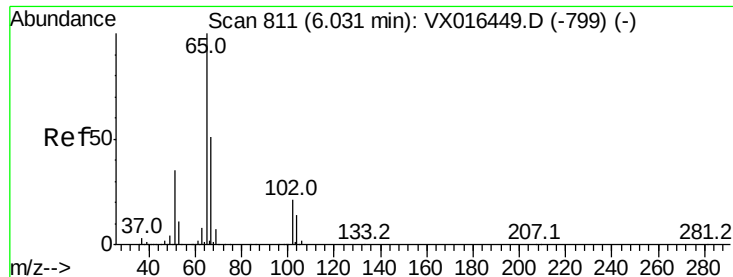


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

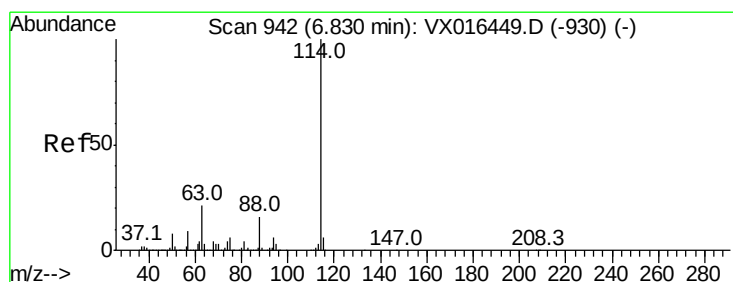
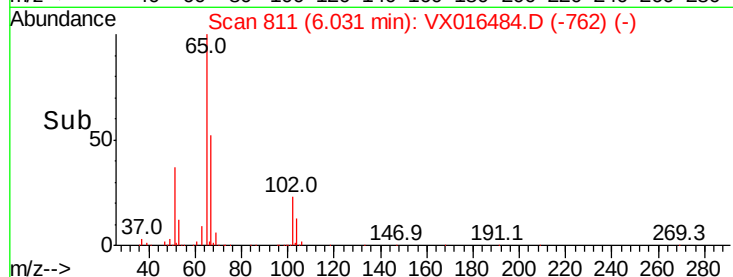
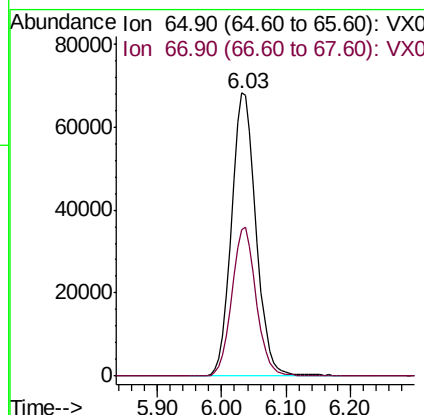
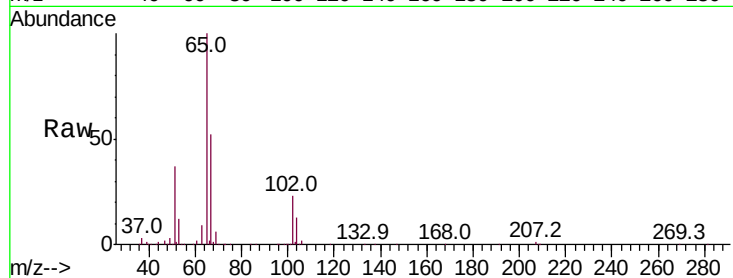




#33
 1,2-Dichloroethane-d4
 Concen: 49.211 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016484.D
 Acq: 28 May 2020 14:46

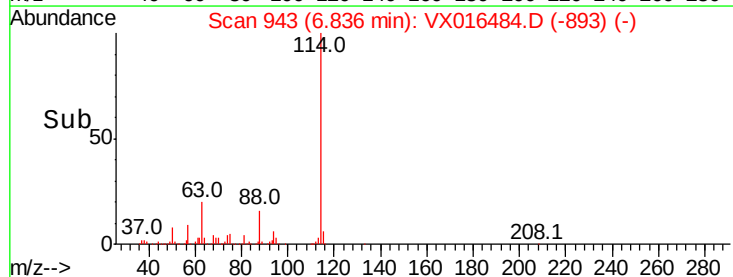
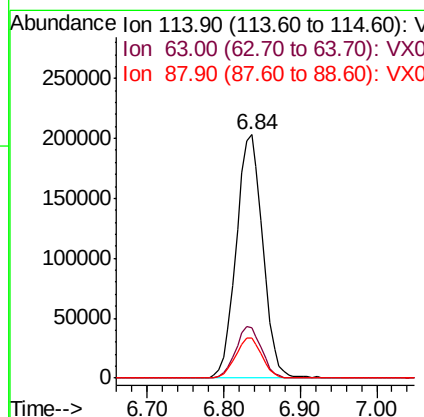
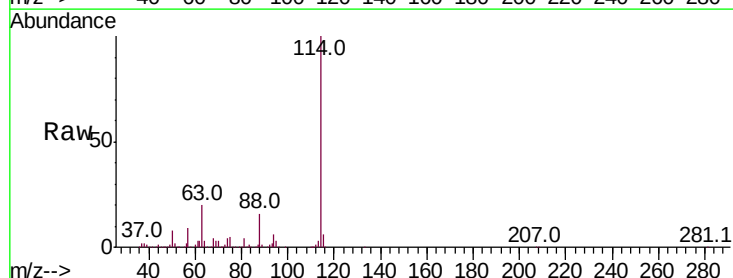
Instrument :
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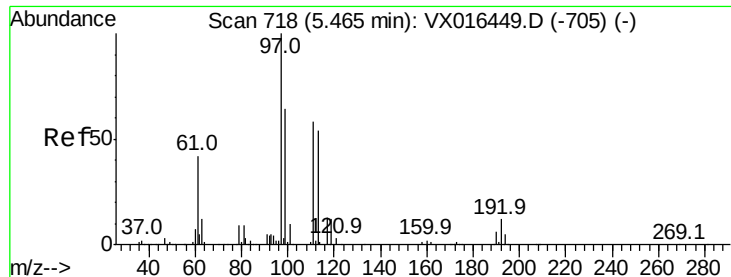
Tot Ion: 65 Resp: 182492
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016484.D
 Acq: 28 May 2020 14:46

Tgt Ion: 114 Resp: 487084
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.6
 88 16.4 0.0 32.8

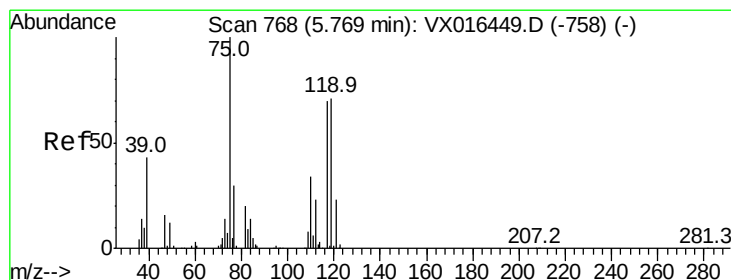
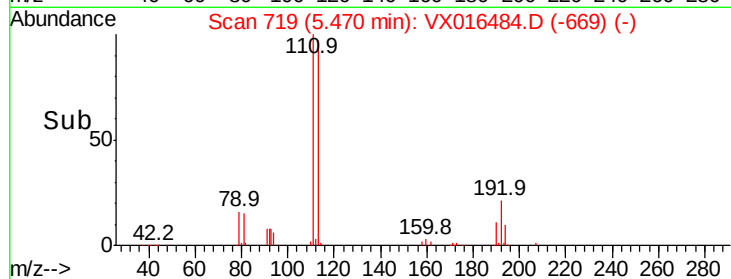
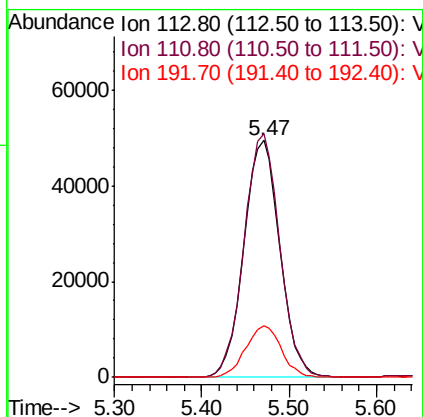
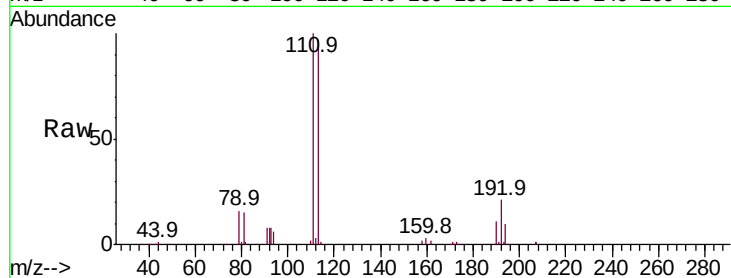




#35
 Dibromofluoromethane
 Concen: 47.306 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016484.D
 Acq: 28 May 2020 14:46

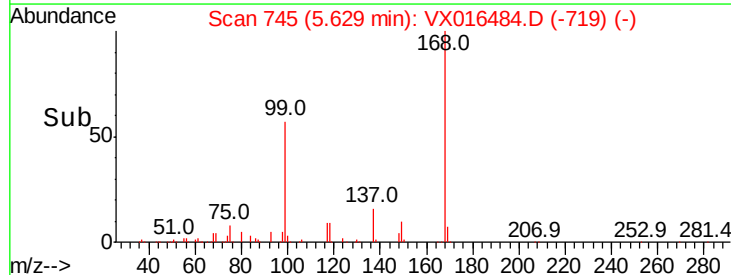
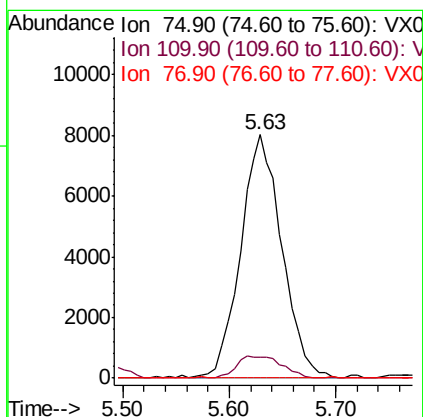
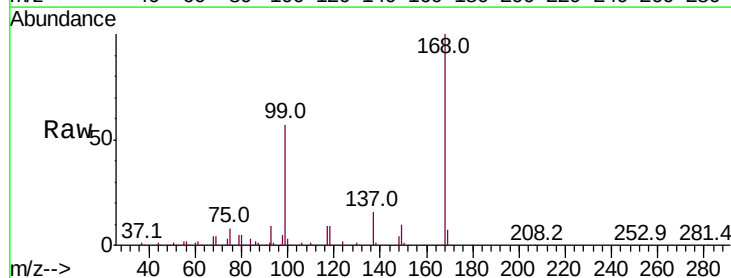
Instrument :
 MSVOA_X
 ClientSampleId :
 OWS-RINSE

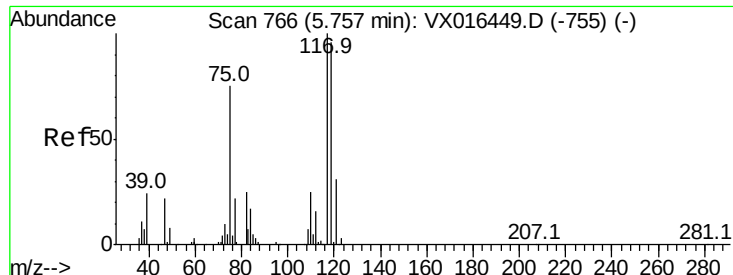
Tot Ion:113 Resp: 141881
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.0 124.6
 192 21.6 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 4.714 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016484.D
 Acq: 28 May 2020 14:46

Tgt Ion: 75 Resp: 21741
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.4 52.3#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.943 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

Instrument :

MSVOA_X

ClientSampleId :

OVS-RINSE

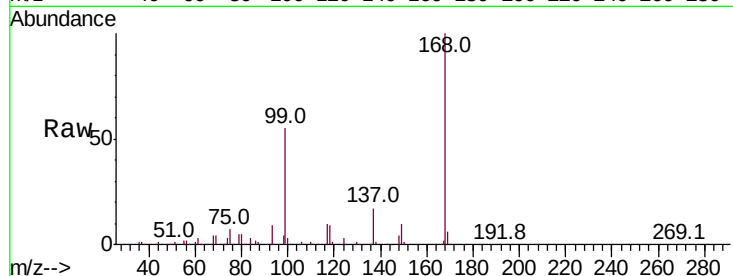
Tot Ion:117 Resp: 28804

Ion Ratio Lower Upper

117 100

119 5.7 76.3 114.5#

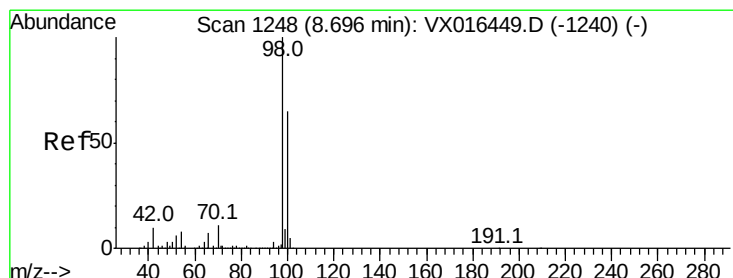
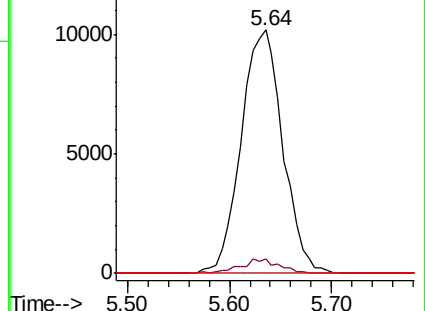
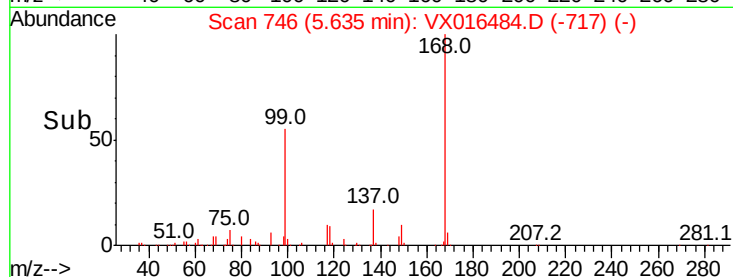
121 0.0 24.6 37.0#



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: 51.647 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016484.D

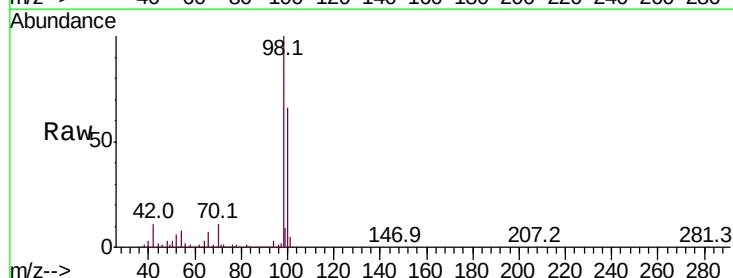
Acq: 28 May 2020 14:46

Tgt Ion: 98 Resp: 602906

Ion Ratio Lower Upper

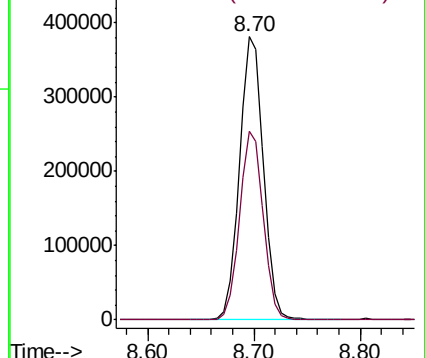
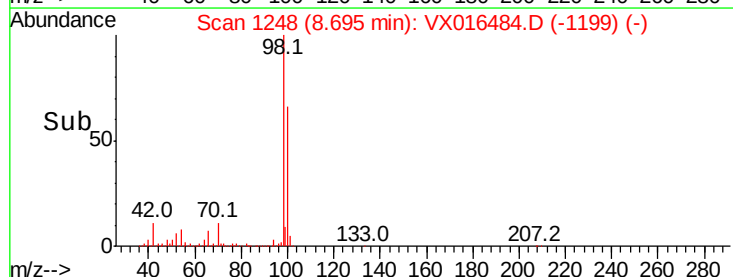
98 100

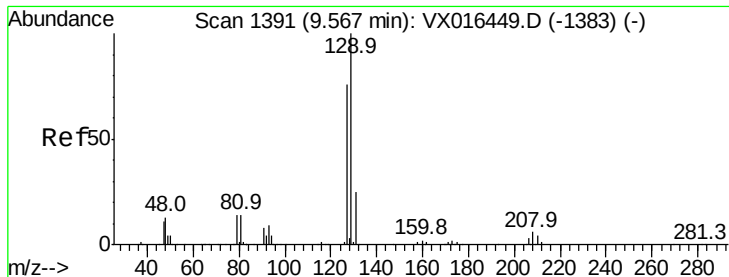
100 66.1 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.287 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

Instrument :

MSVOA_X

ClientSampleId :

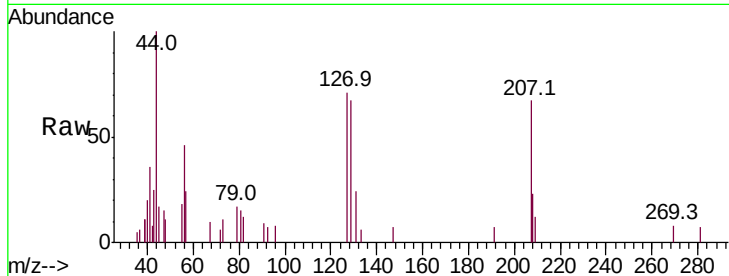
OVS-RINSE

Tot Ion:129 Resp: 1112

Ion Ratio Lower Upper

129 100

127 89.3 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.56

800

600

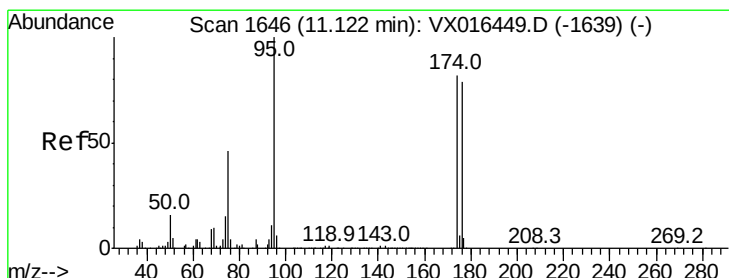
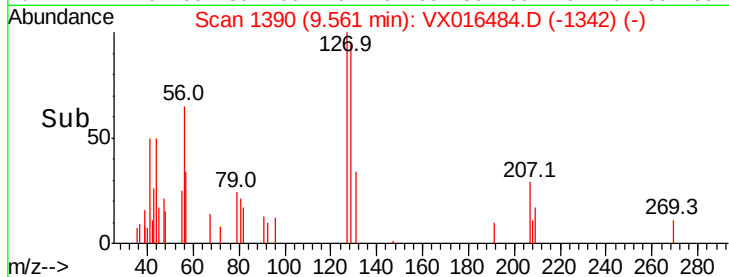
400

200

0

9.55 9.60

Time-->



#62

4-Bromofluorobenzene

Concen: 53.428 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

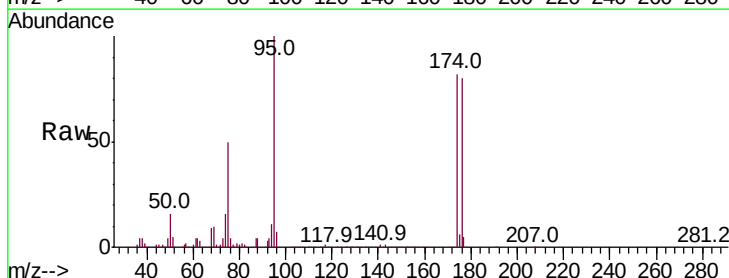
Tgt Ion: 95 Resp: 240994

Ion Ratio Lower Upper

95 100

174 82.4 0.0 163.0

176 79.1 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

250000

200000

150000

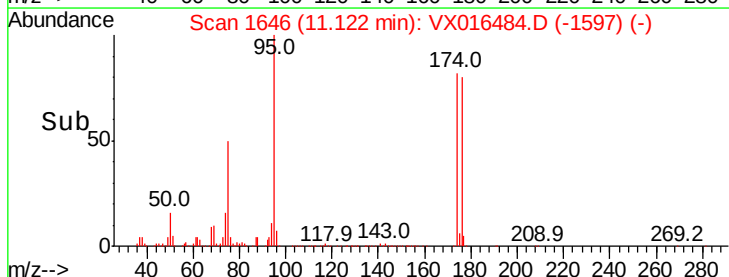
100000

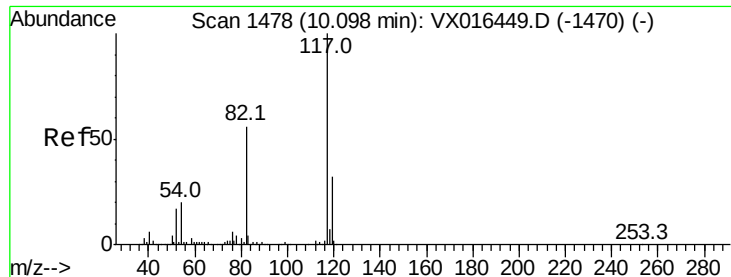
50000

0

11.10 11.20

Time-->

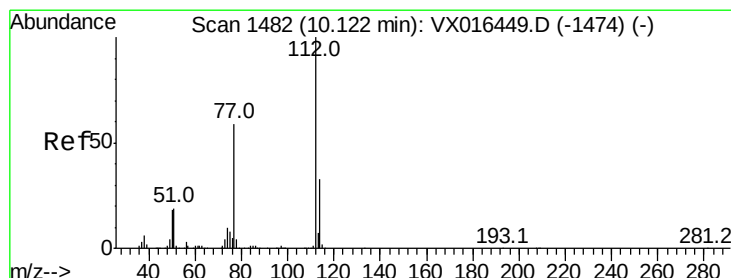
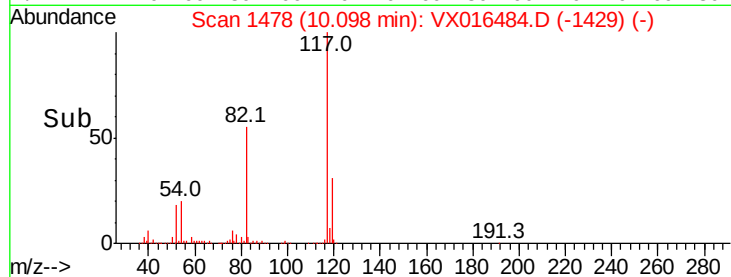
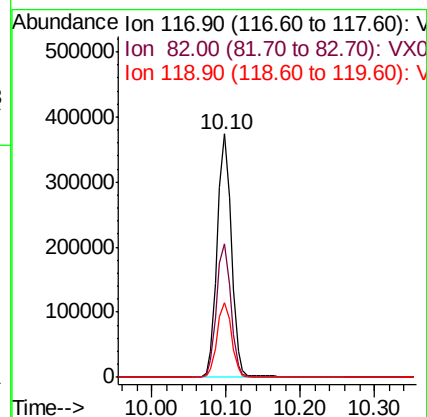
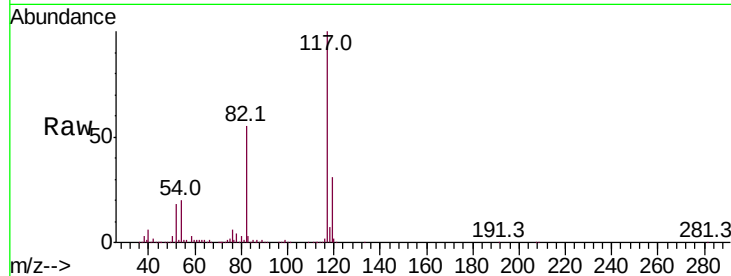




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016484.D
Acq: 28 May 2020 14:46

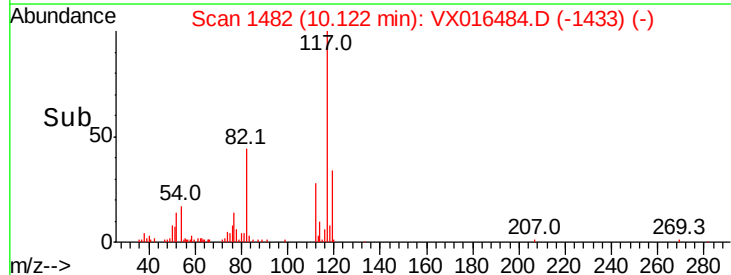
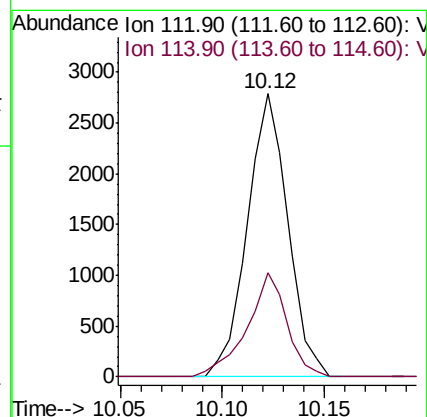
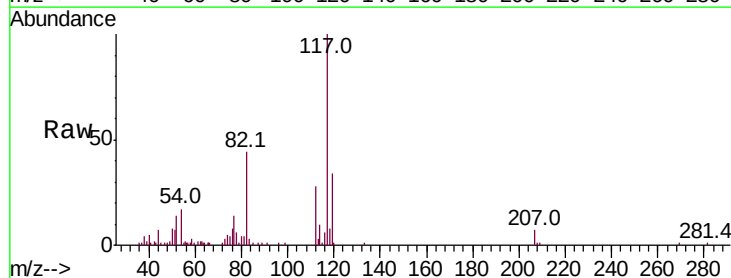
Instrument :
MSVOA_X
ClientSampleId :
OWS-RINSE

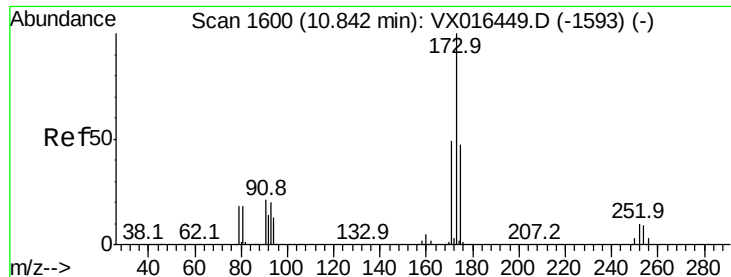
Tot Ion:117 Resp: 490345
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.6
119 30.7 25.8 38.8



#65
Chlorobenzene
Concen: 0.386 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016484.D
Acq: 28 May 2020 14:46

Tgt Ion:112 Resp: 3854
Ion Ratio Lower Upper
112 100
114 36.9 26.0 39.0





#71

Bromoform

Concen: 0.393 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

Instrument :

MSVOA_X

ClientSampled :

OVS-RINSE

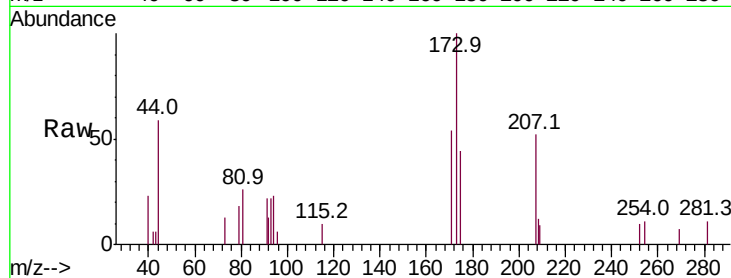
Tot Ion:173 Resp: 1268

Ion Ratio Lower Upper

173 100

175 53.5 23.9 71.7

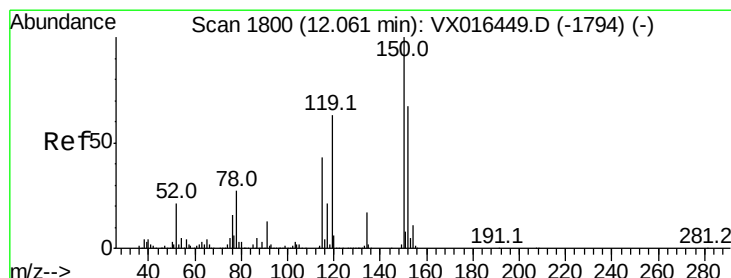
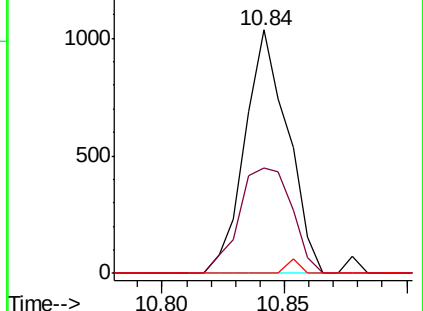
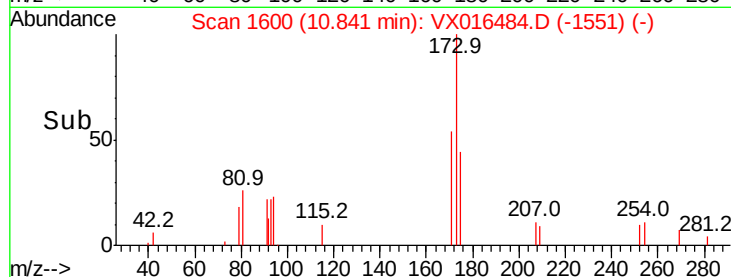
254 1.8 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

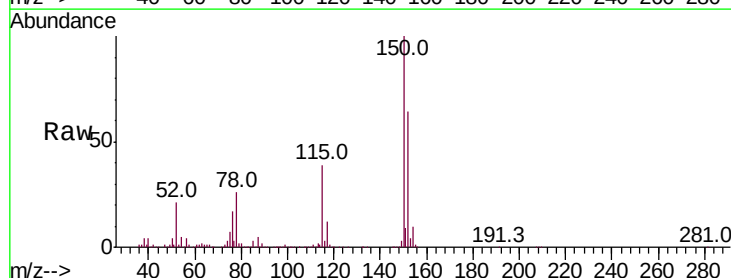
Tgt Ion:152 Resp: 240106

Ion Ratio Lower Upper

152 100

115 59.0 39.9 119.6

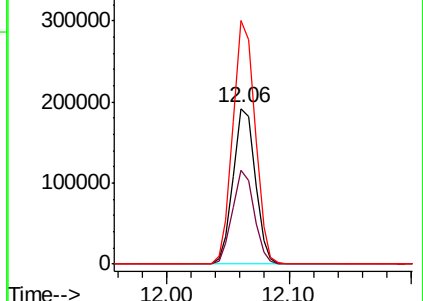
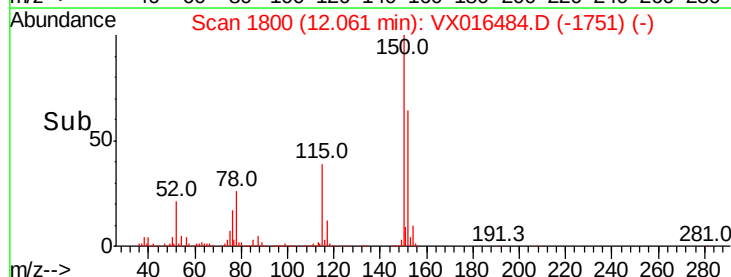
150 156.5 0.0 341.0

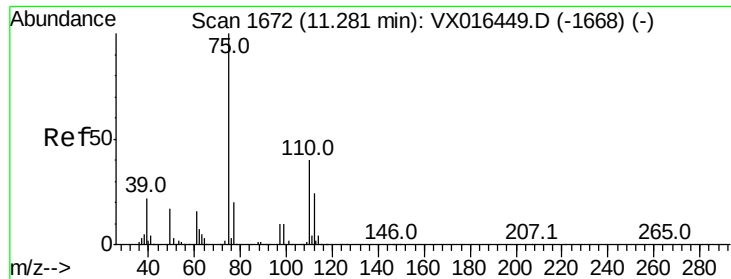


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.540 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

Instrument :

MSVOA_X

ClientSampled :

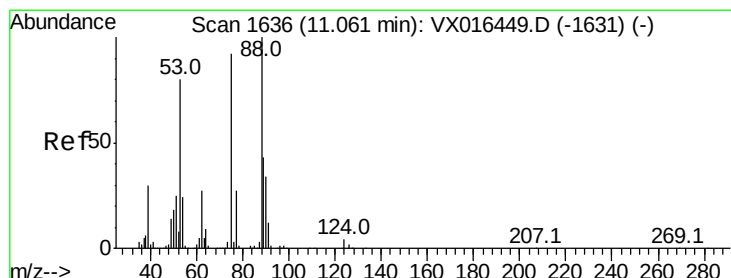
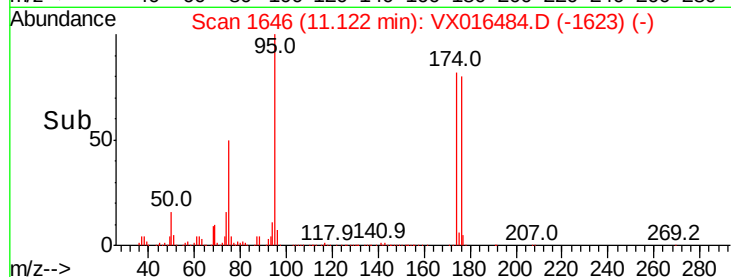
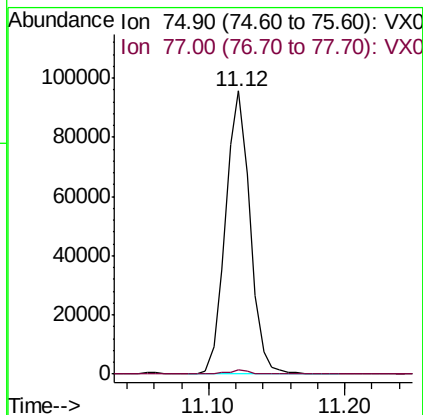
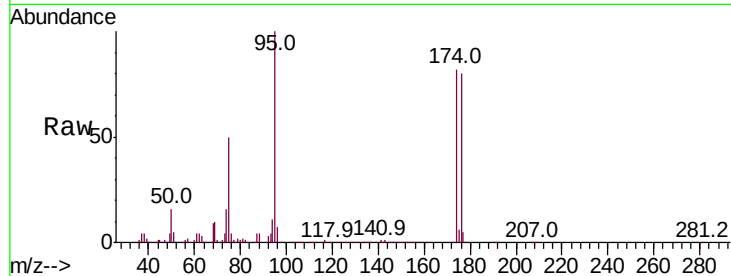
OVS-RINSE

Tot Ion: 75 Resp: 118959

Ion Ratio Lower Upper

75 100

77 1.4 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.445 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016484.D

Acq: 28 May 2020 14:46

Tgt Ion: 75 Resp: 118959

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#

