

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052820\
 Data File : VX016485.D
 Acq On : 28 May 2020 15:09
 Operator : JC/SP
 Sample : L2782-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 INF-RINSE

Quant Time: May 29 03:39:07 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	5.64	168	296320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	480535	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	476551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231056	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	176546	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
35) Dibromofluoromethane	5.47	113	139578	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
50) Toluene-d8	8.70	98	598729	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.12	95	236754	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	

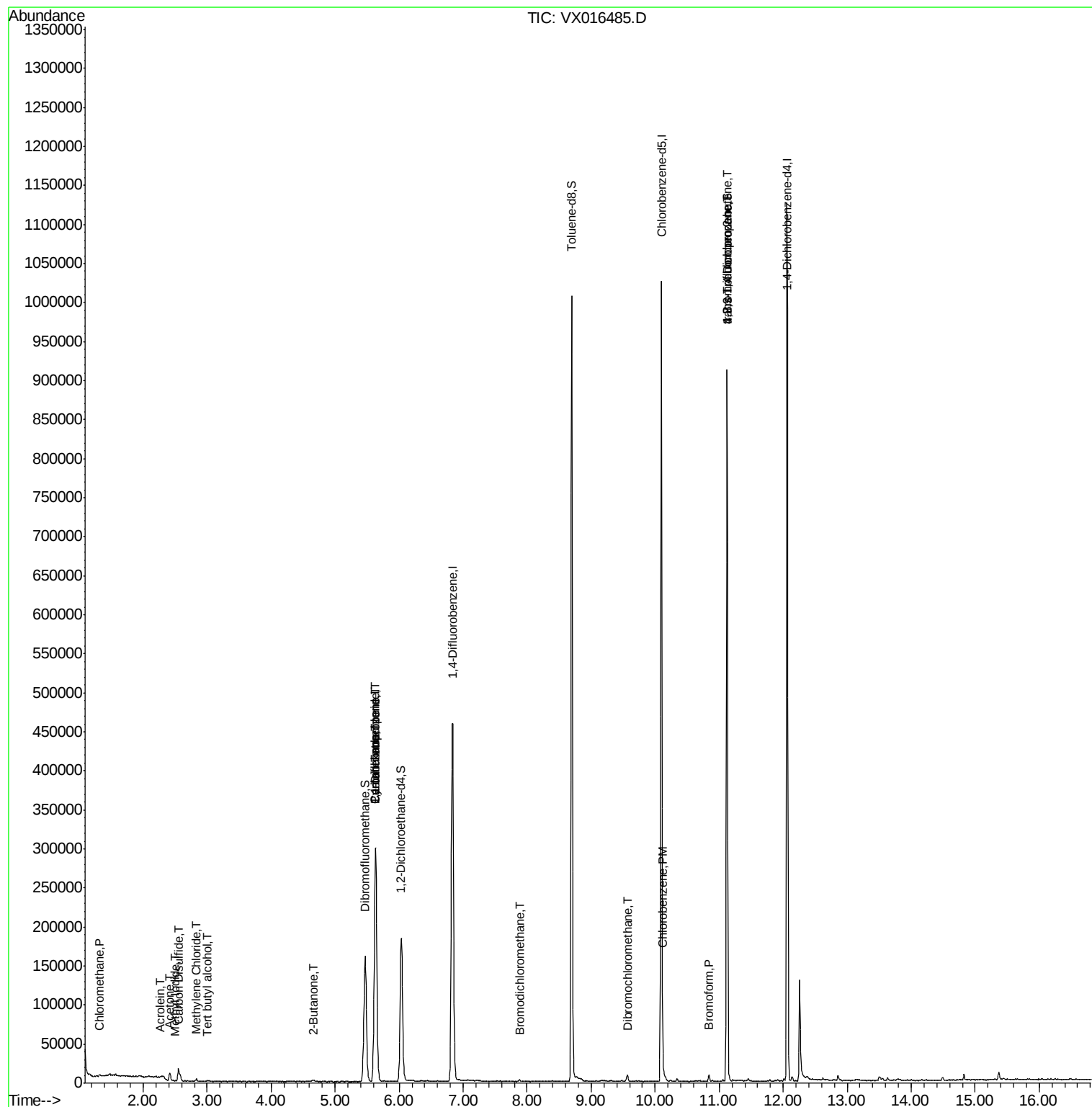
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1187	0.337	ug/l	90
10) Methyl Iodide	2.50	142	82	3.079	ug/l #	40
11) Tert butyl alcohol	3.01	59	1181	1.252	ug/l #	88
13) Acrolein	2.27	56	499	1.243	ug/l #	34
16) Acetone	2.42	43	10052	6.235	ug/l	94
17) Carbon Disulfide	2.55	76	18617	2.199	ug/l	97
20) Methylene Chloride	2.84	84	1406	0.422	ug/l #	80
25) 2-Butanone	4.65	43	1827	0.669	ug/l	98
31) Cyclohexane	5.64	56	5538	1.083	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	21478	4.721	ug/l #	51
38) Carbon Tetrachloride	5.63	117	28756	6.014	ug/l #	17
47) Bromodichloromethane	7.88	83	1466	0.306	ug/l #	91
60) Dibromochloromethane	9.57	129	3033	0.793	ug/l	96
65) Chlorobenzene	10.12	112	2983	0.307	ug/l	97
71) Bromoform	10.84	173	3467	1.106	ug/l #	96
76) 1,2,3-Trichloropropane	11.12	75	115408	22.724	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115408	55.897	ug/l #	14

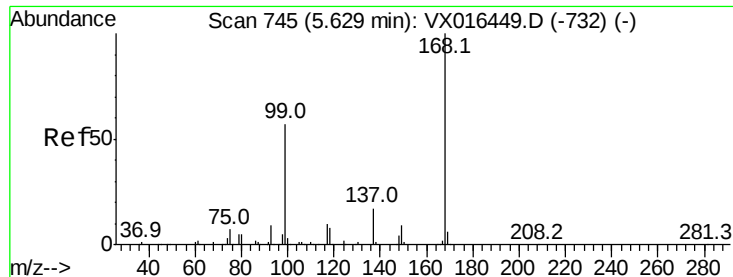
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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INF-RINSE

Quant Time: May 29 03:39:07 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: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

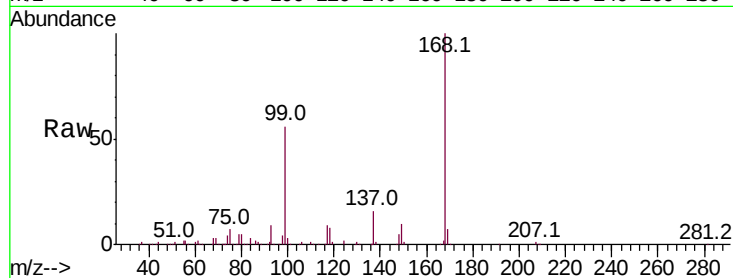
INF-RINSE

Tot Ion:168 Resp: 296320

Ion Ratio Lower Upper

168 100

99 55.7 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

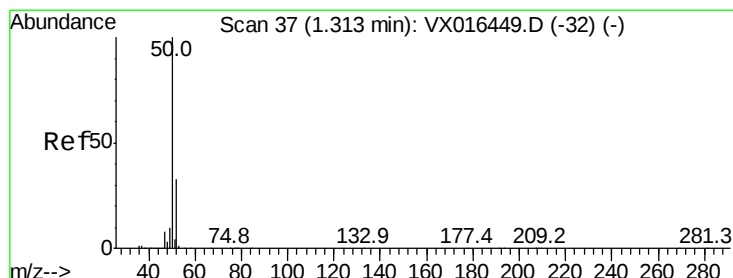
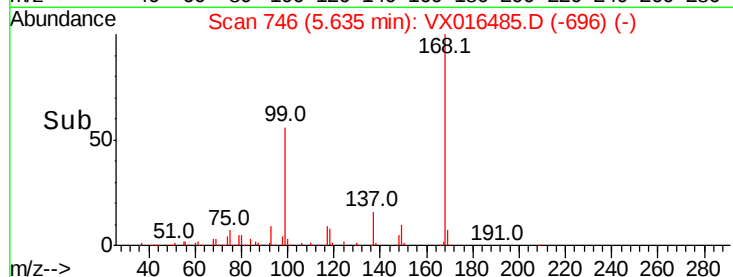
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.337 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016485.D

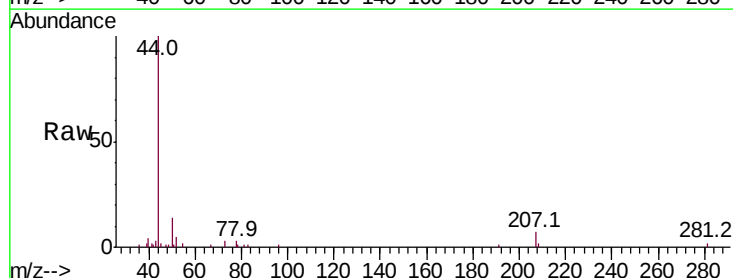
Acq: 28 May 2020 15:09

Tgt Ion: 50 Resp: 1187

Ion Ratio Lower Upper

50 100

52 38.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

1000

800

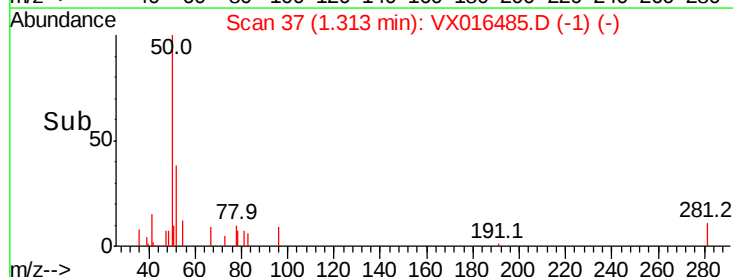
600

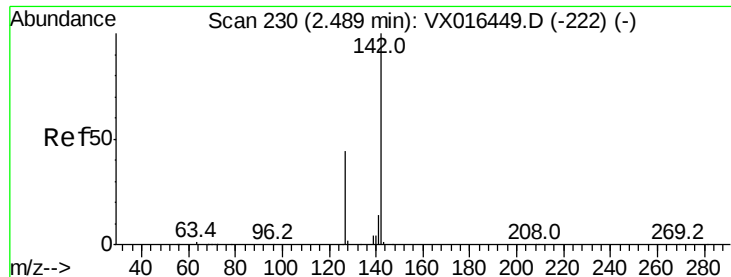
400

200

0

Time-->

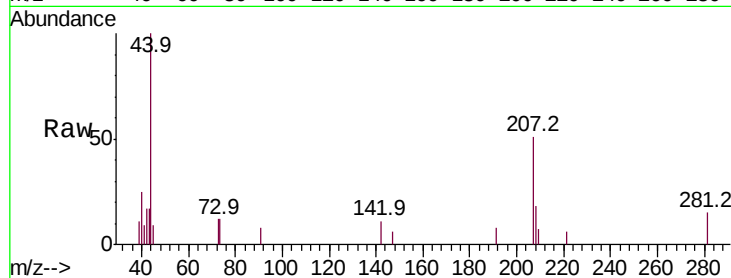




#10
Methyl Iodide
Concen: 3.079 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX016485.D
Acq: 28 May 2020 15:09

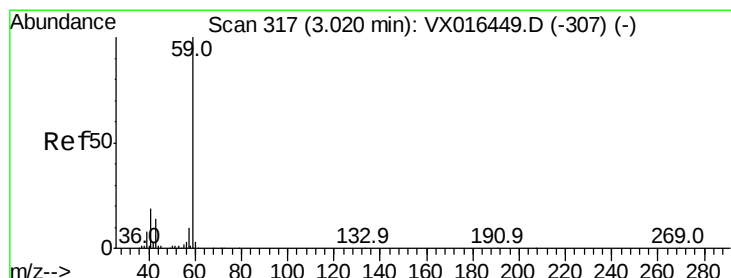
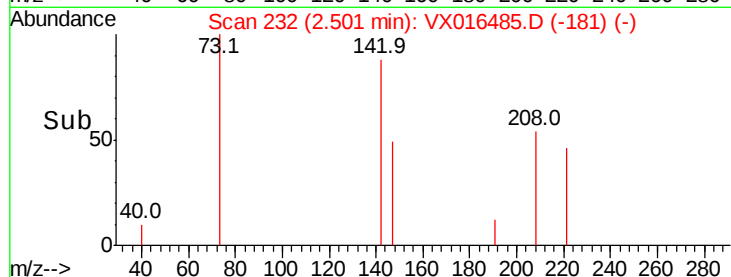
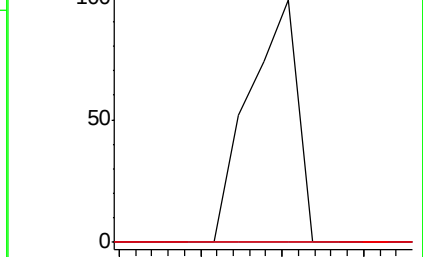
Instrument :
MSVOA_X
ClientSampleId :
INF-RINSE

Tot Ion:142 Resp: 82
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.4 17.2#



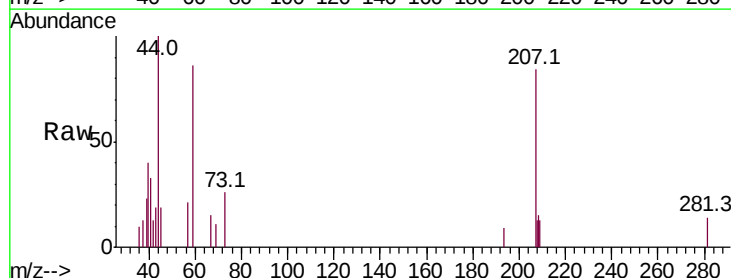
Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

2.50



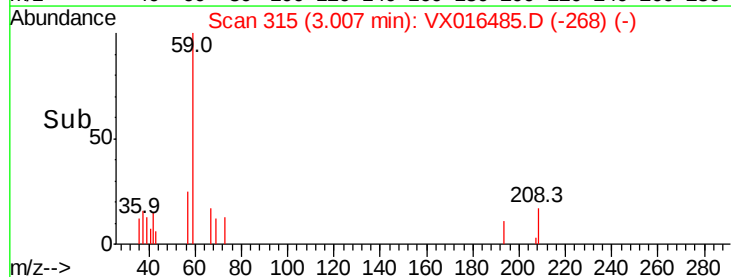
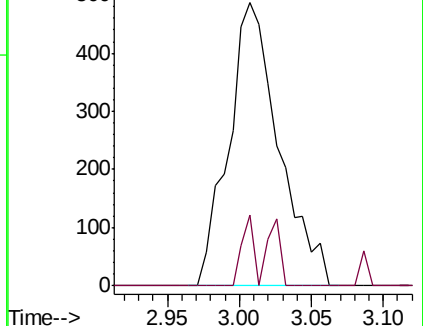
#11
Tert butyl alcohol
Concen: 1.252 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016485.D
Acq: 28 May 2020 15:09

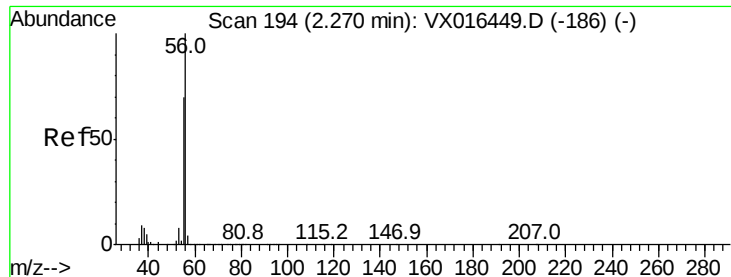
Tgt Ion: 59 Resp: 1181
Ion Ratio Lower Upper
59 100
57 5.9 8.2 12.4#



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

3.01





#13

Acrolein

Concen: 1.243 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

Instrument :

MSVOA_X

ClientSampled :

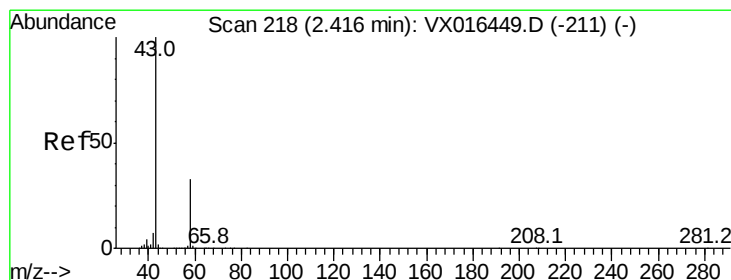
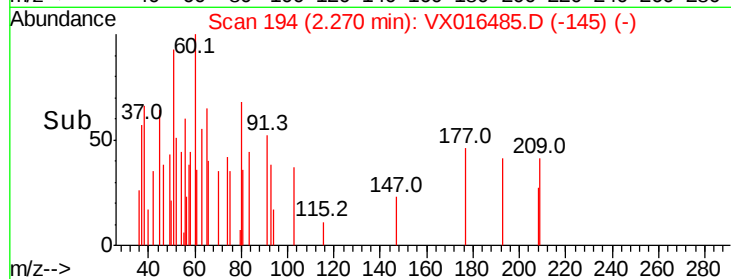
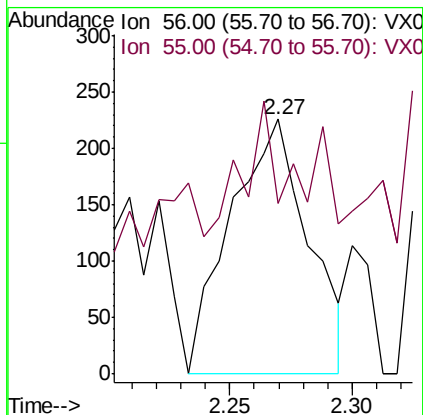
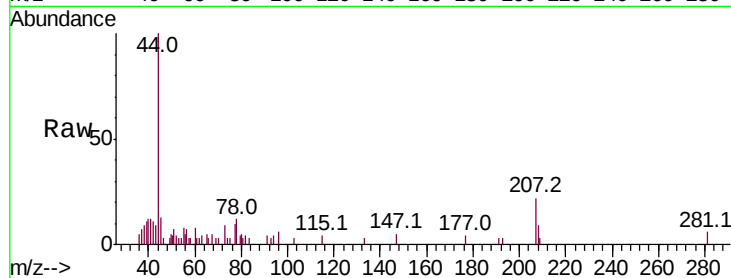
INF-RINSE

Tot Ion: 56 Resp: 499

Ion Ratio Lower Upper

56 100

55 17.8 58.3 87.5#



#16

Acetone

Concen: 6.235 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016485.D

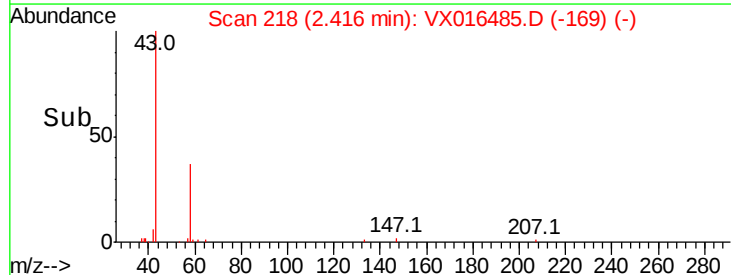
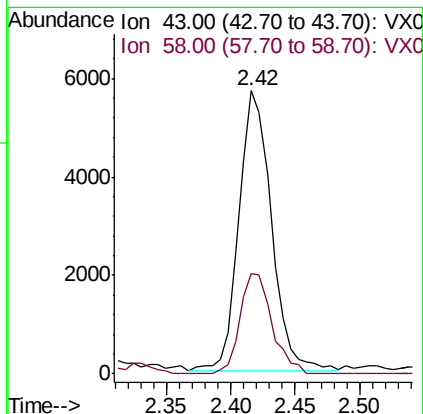
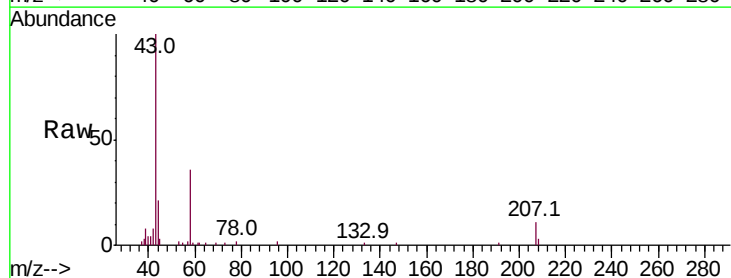
Acq: 28 May 2020 15:09

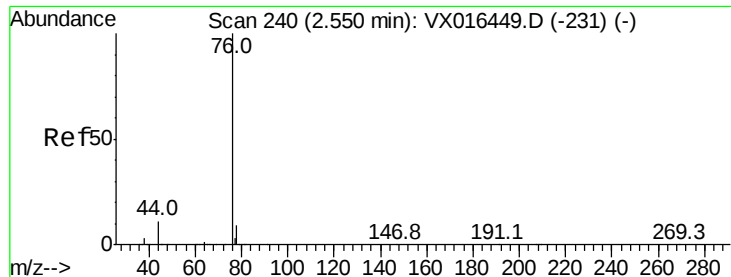
Tgt Ion: 43 Resp: 10052

Ion Ratio Lower Upper

43 100

58 36.0 26.1 39.1





#17

Carbon Disulfide

Concen: 2.199 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

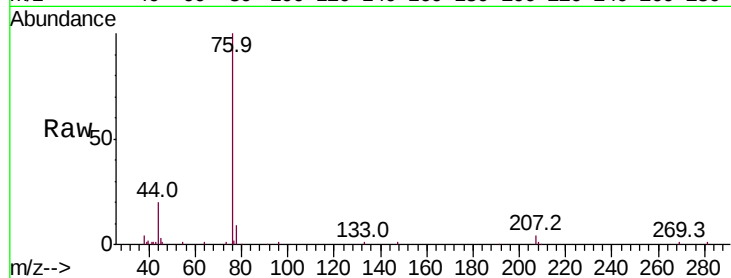
INF-RINSE

Tot Ion: 76 Resp: 18617

Ion Ratio Lower Upper

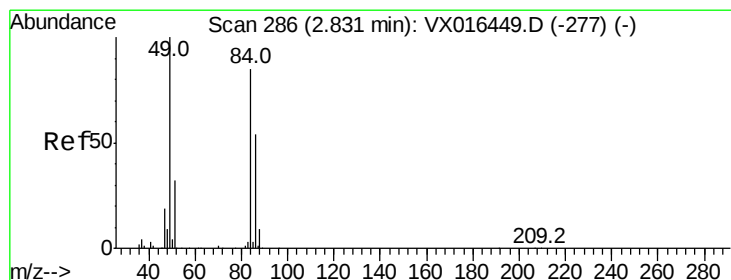
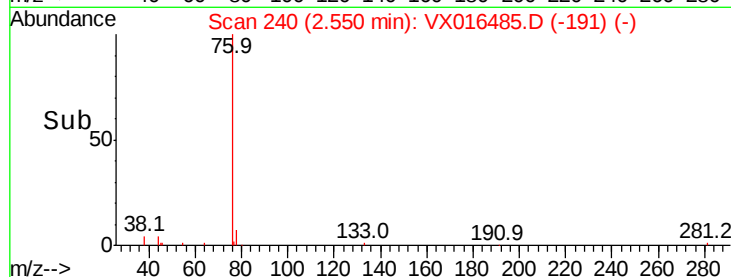
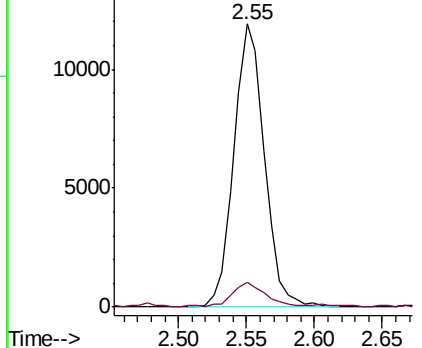
76 100

78 8.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.422 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

Tgt Ion: 84 Resp: 1406

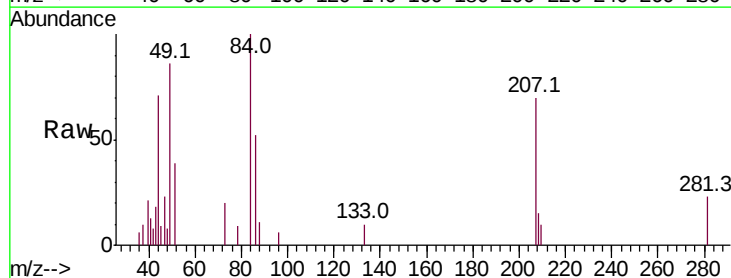
Ion Ratio Lower Upper

84 100

49 86.4 94.5 141.7#

51 38.6 30.2 45.4

86 51.7 51.1 76.7

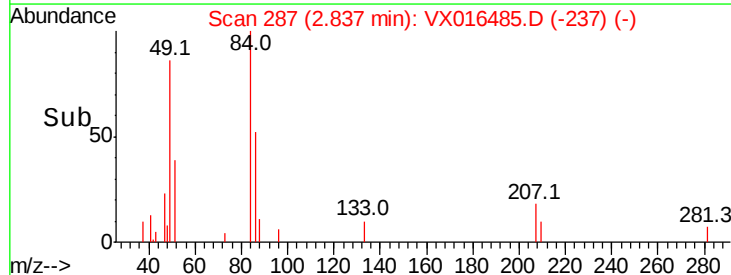
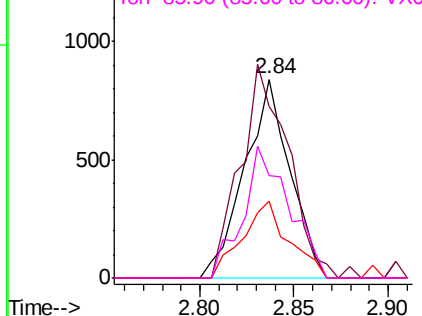


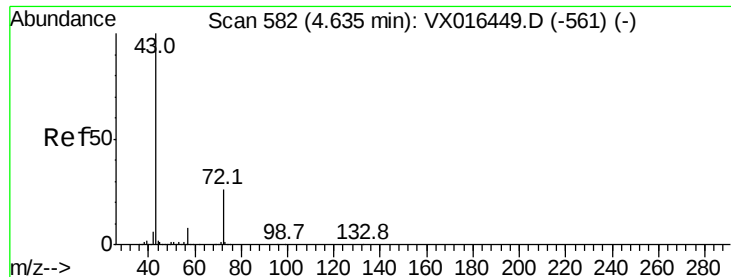
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.669 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

Instrument :

MSVOA_X

ClientSampled :

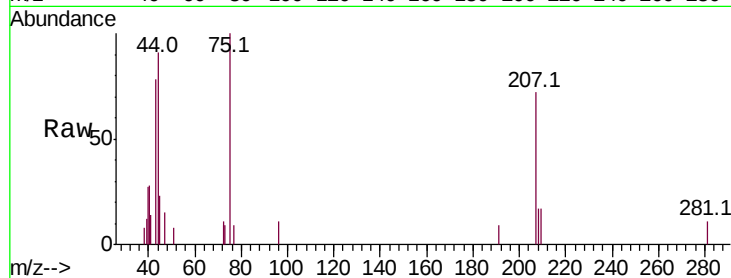
INF-RINSE

Tot Ion: 43 Resp: 1827

Ion Ratio Lower Upper

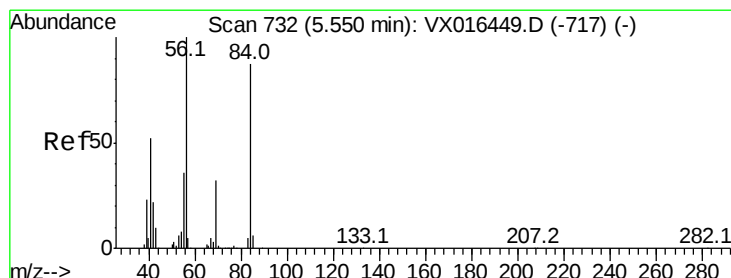
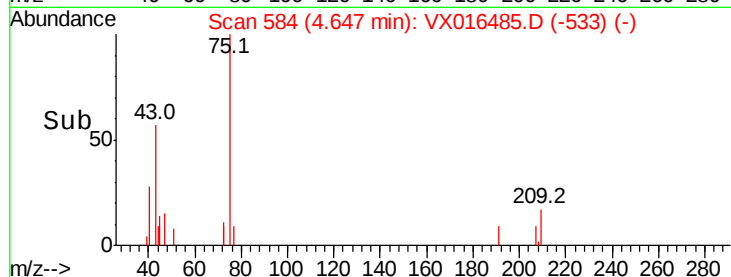
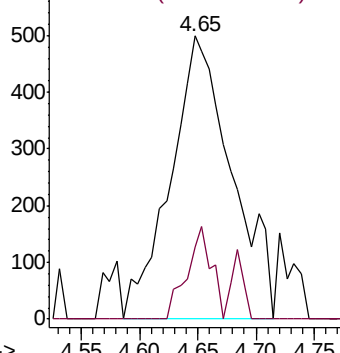
43 100

72 25.5 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: 1.083 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.09 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

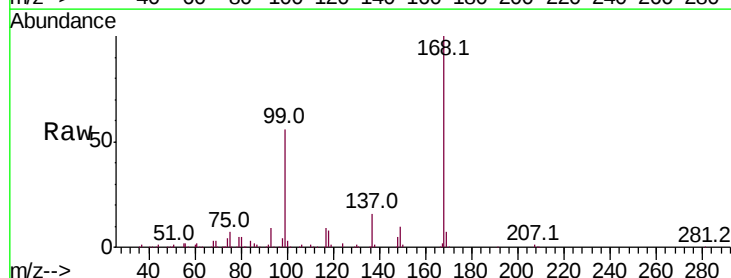
Tgt Ion: 56 Resp: 5538

Ion Ratio Lower Upper

56 100

69 170.5 25.7 38.5#

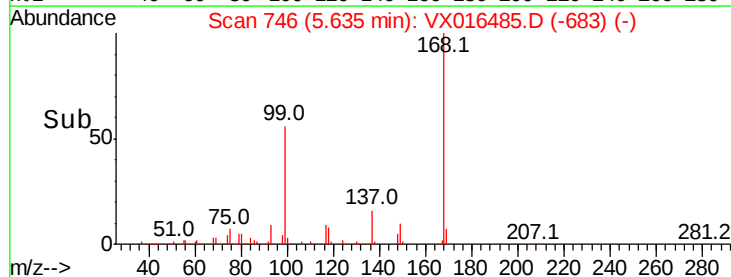
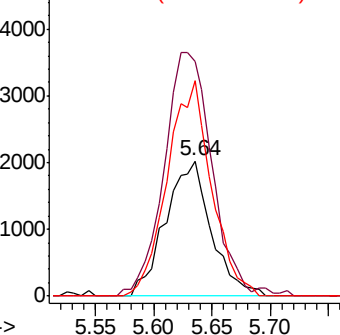
84 159.0 70.0 105.0#

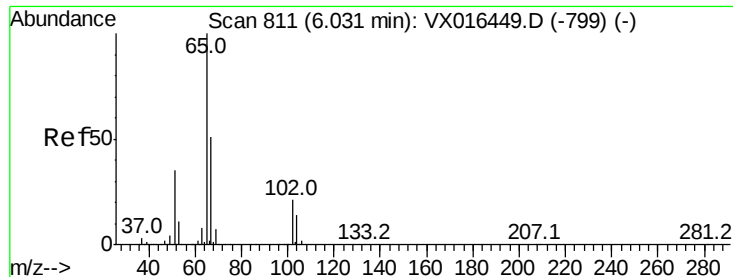


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.976 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

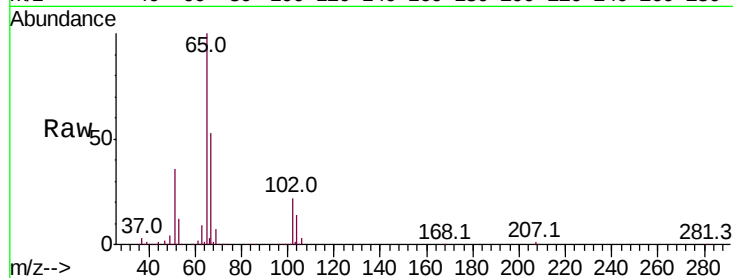
INF-RINSE

Tot Ion: 65 Resp: 176546

Ion Ratio Lower Upper

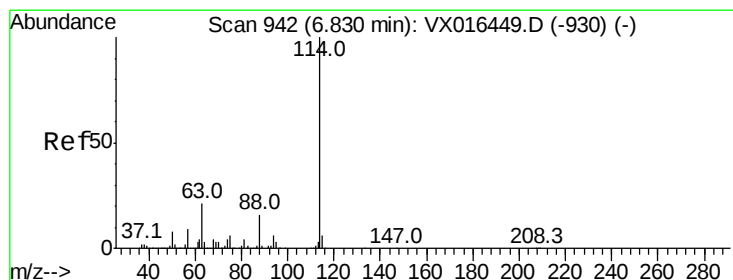
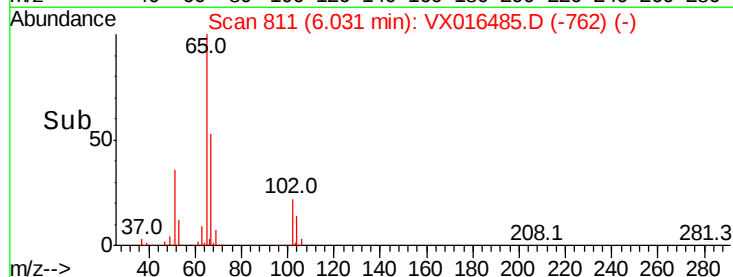
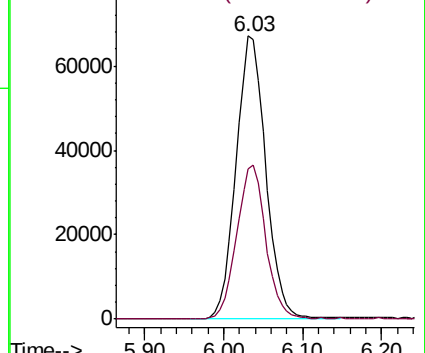
65 100

67 53.1 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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

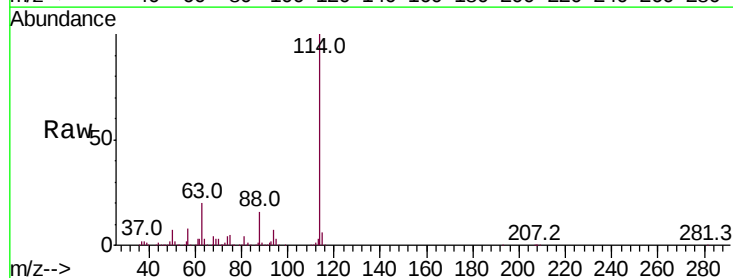
Tgt Ion: 114 Resp: 480535

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

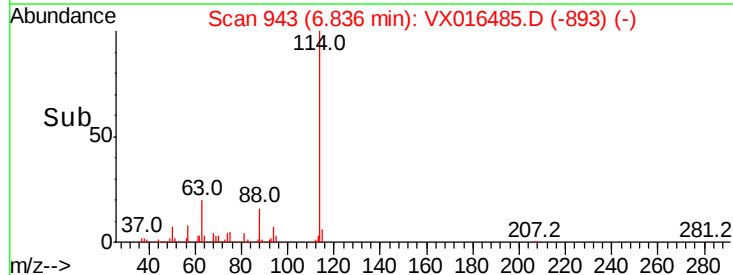
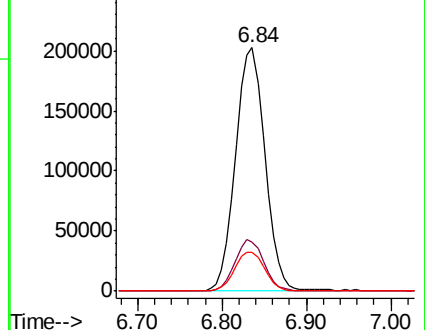
88 16.2 0.0 32.8

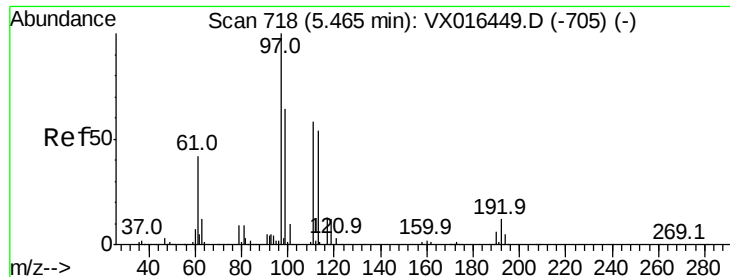


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.173 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

INF-RINSE

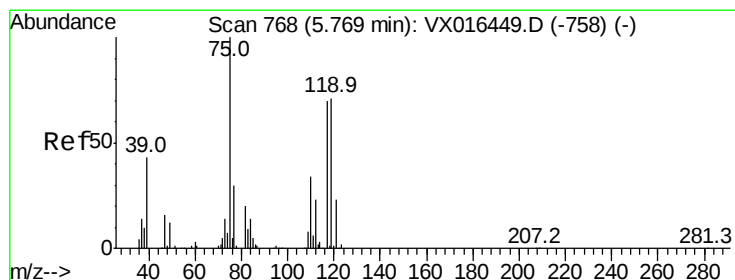
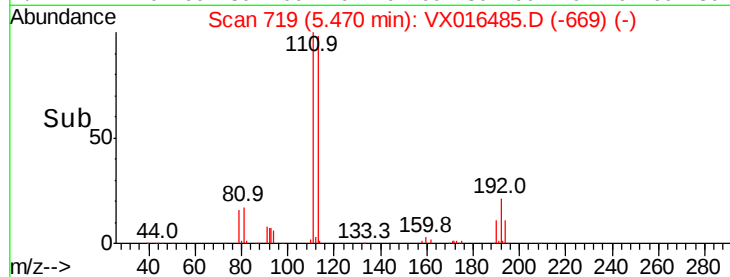
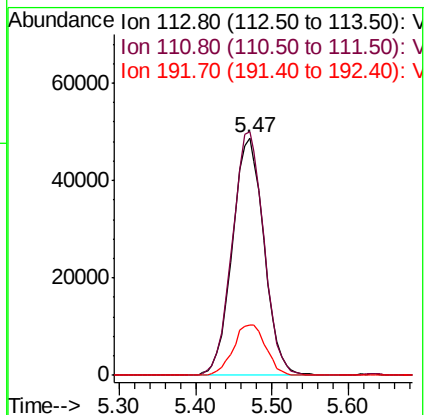
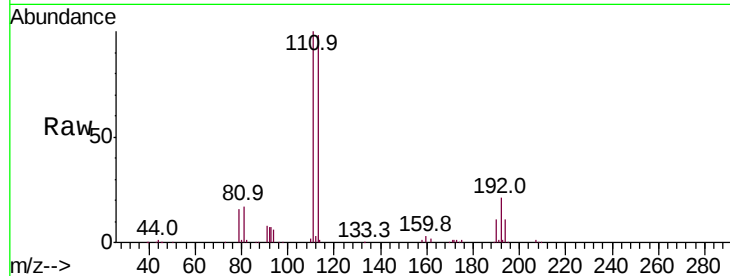
Tot Ion:113 Resp: 139578

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.6

192 22.0 17.7 26.5



#36

1,1-Dichloropropene

Concen: 4.721 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

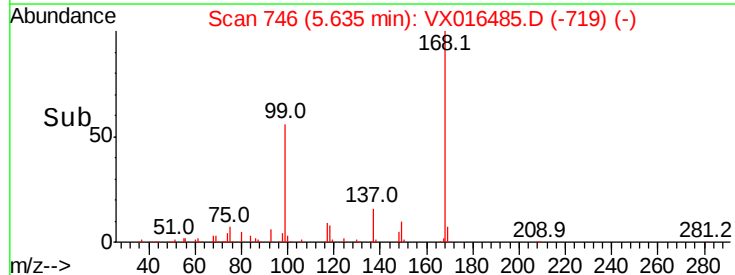
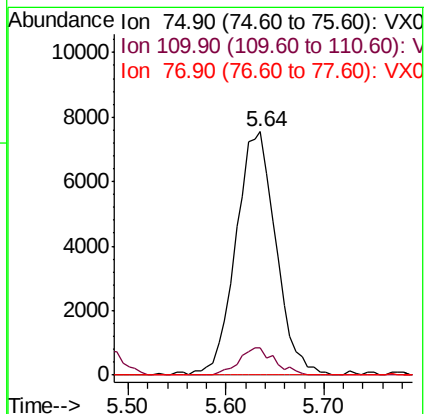
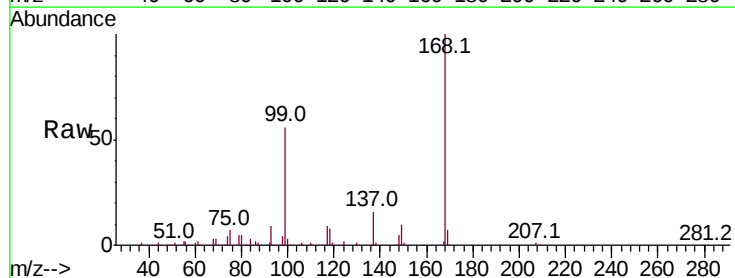
Tgt Ion: 75 Resp: 21478

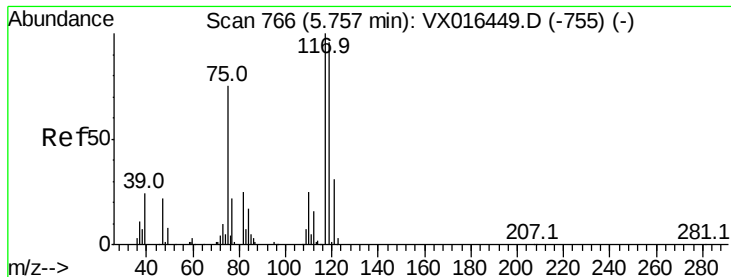
Ion Ratio Lower Upper

75 100

110 10.1 17.4 52.3#

77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.014 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

Instrument :

MSVOA_X

ClientSampled :

INF-RINSE

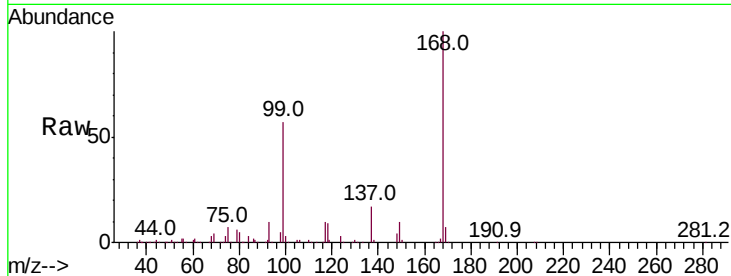
Tot Ion:117 Resp: 28756

Ion Ratio Lower Upper

117 100

119 6.7 76.3 114.5#

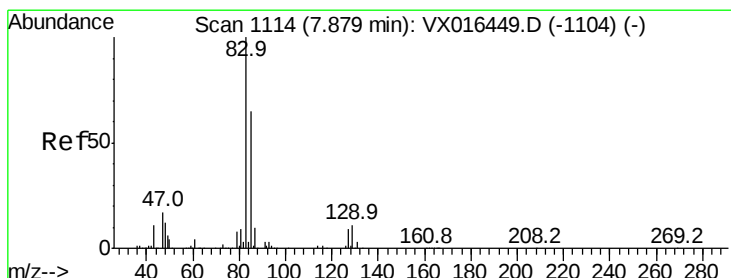
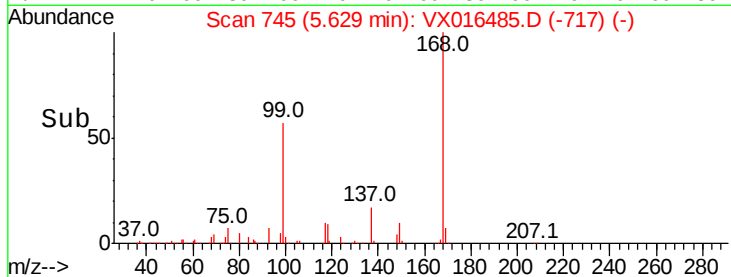
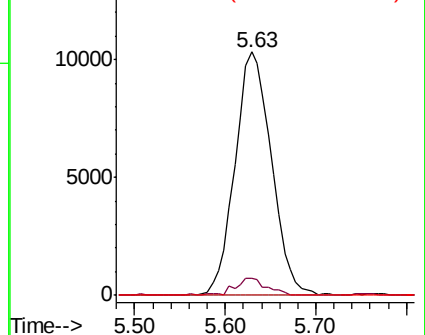
121 0.0 24.6 37.0#



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



#47

Bromodichloromethane

Concen: 0.306 ug/l

RT: 7.88 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

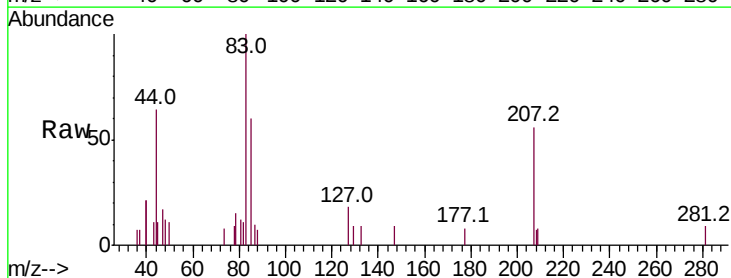
Tgt Ion: 83 Resp: 1466

Ion Ratio Lower Upper

83 100

85 59.5 52.0 78.0

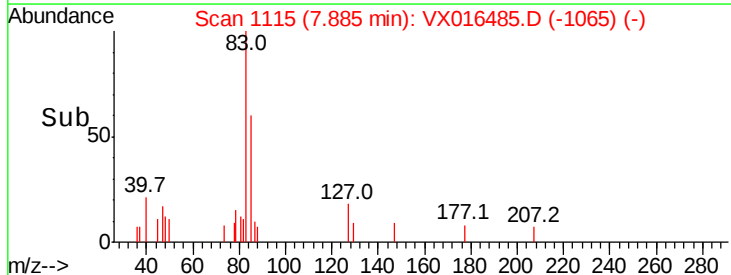
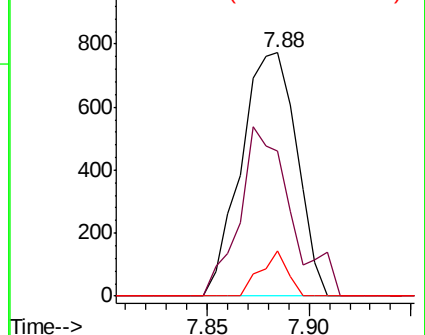
127 18.5 7.4 11.0#

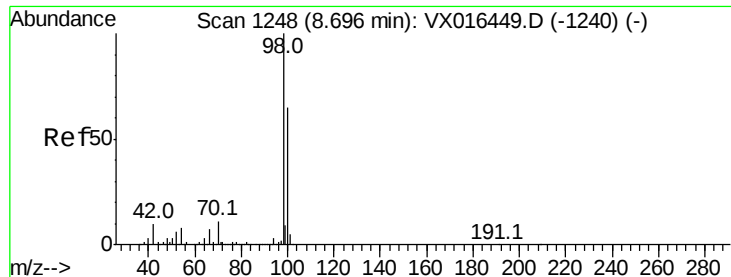


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 51.988 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

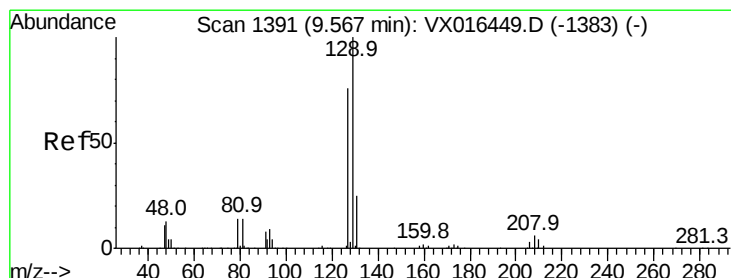
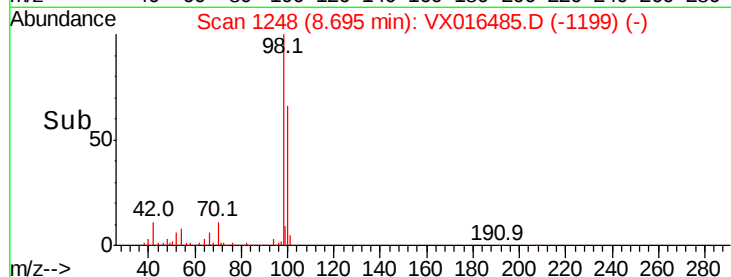
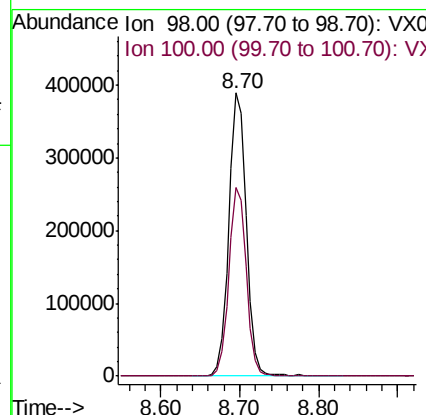
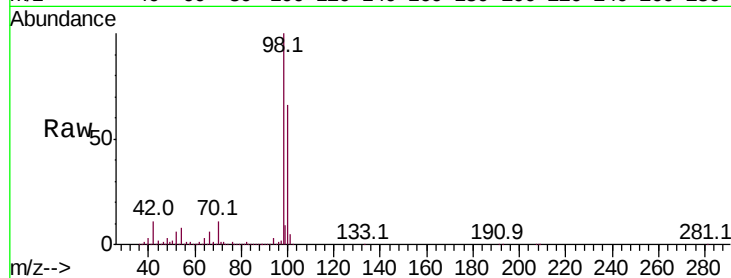
INF-RINSE

Tot Ion: 98 Resp: 598729

Ion Ratio Lower Upper

98 100

100 66.4 53.8 80.6



#60

Dibromochloromethane

Concen: 0.793 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX016485.D

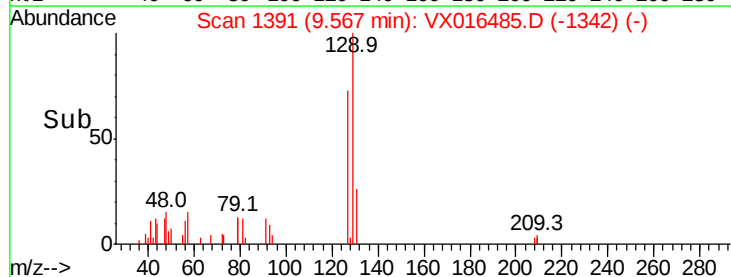
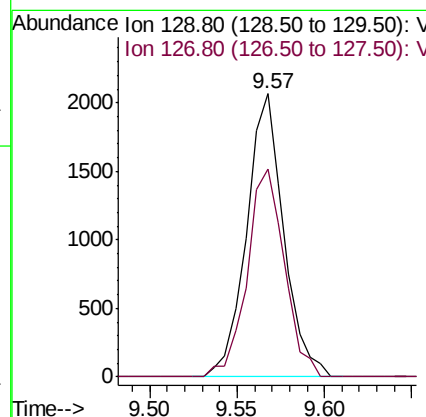
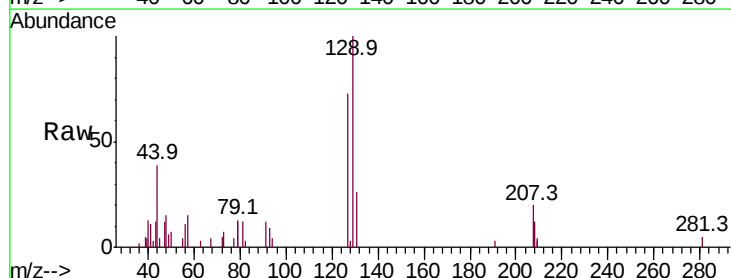
Acq: 28 May 2020 15:09

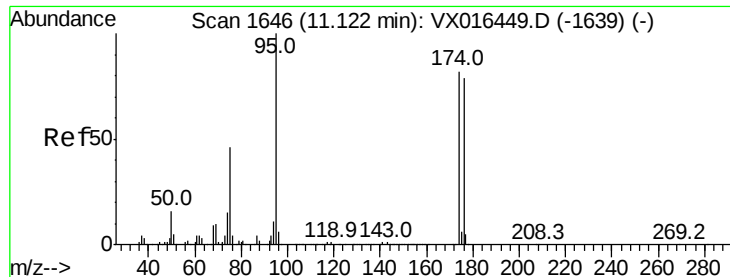
Tgt Ion:129 Resp: 3033

Ion Ratio Lower Upper

129 100

127 73.9 38.6 116.0





#62

4-Bromofluorobenzene

Concen: 53.203 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

Instrument :

MSVOA_X

ClientSampled :

INF-RINSE

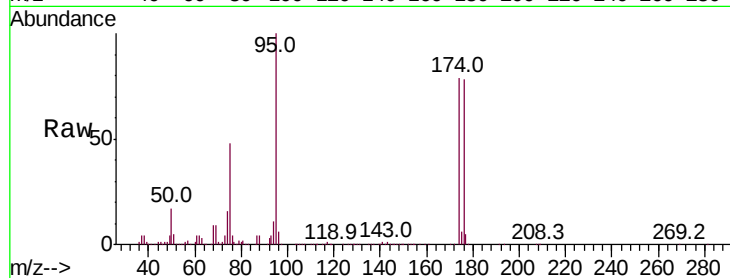
Tot Ion: 95 Resp: 236754

Ion Ratio Lower Upper

95 100

174 80.8 0.0 163.0

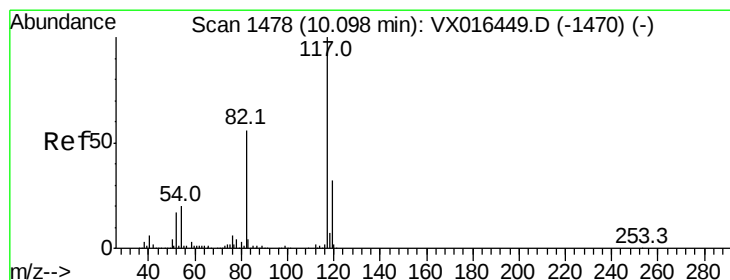
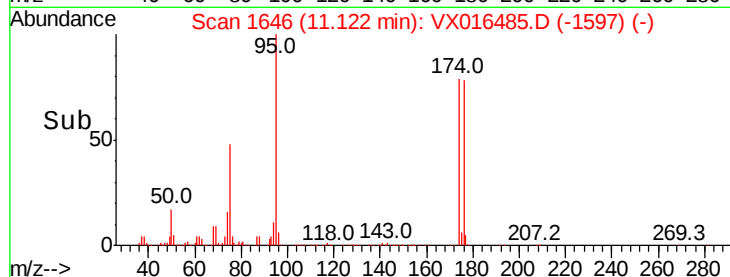
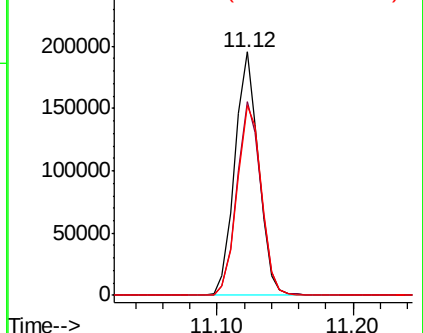
176 80.6 0.0 156.8



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: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

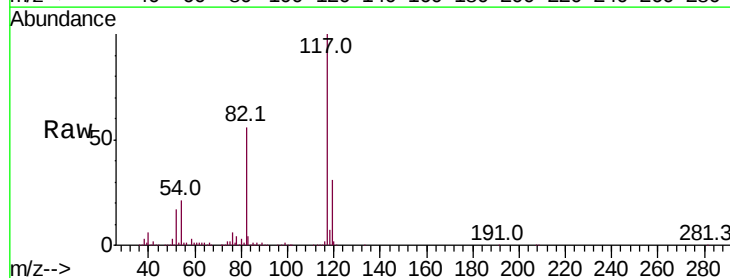
Tgt Ion: 117 Resp: 476551

Ion Ratio Lower Upper

117 100

82 56.0 45.0 67.6

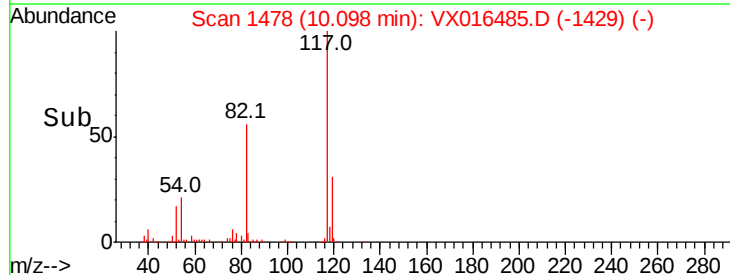
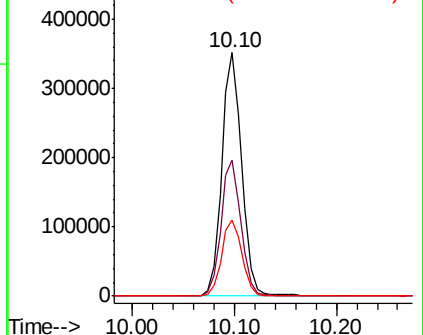
119 31.4 25.8 38.8

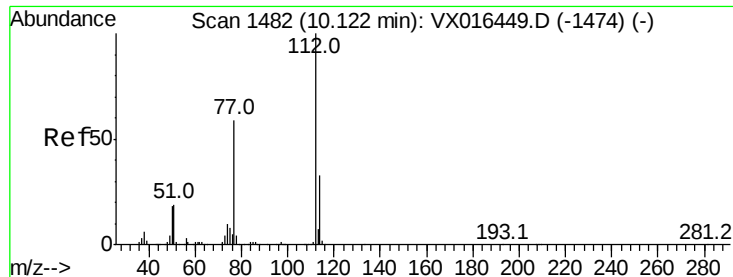


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

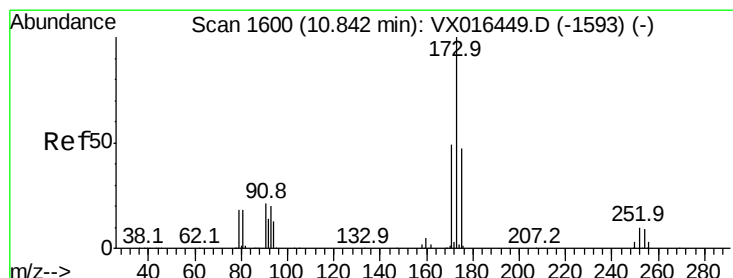
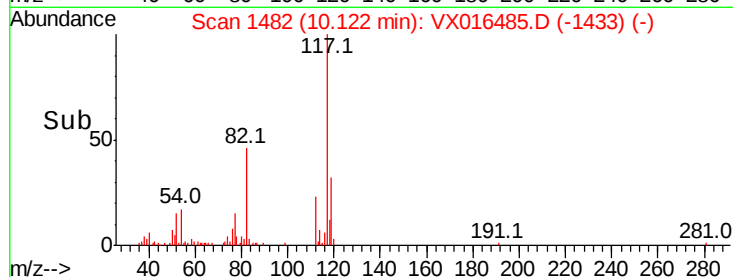
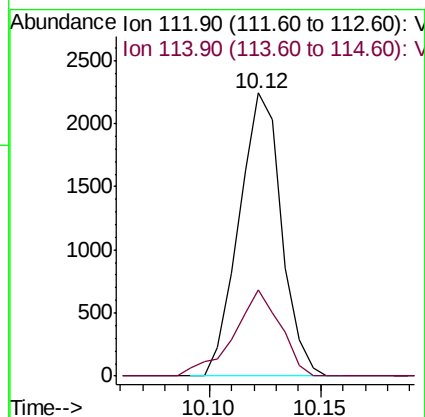
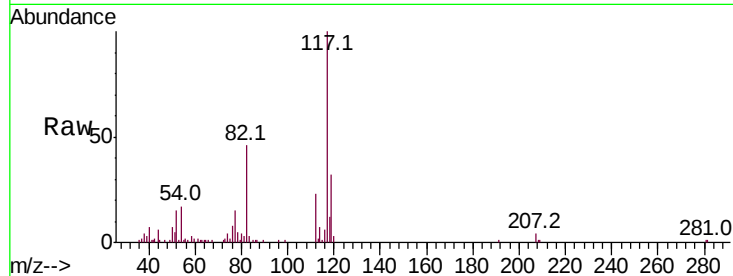




#65
Chlorobenzene
Concen: 0.307 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016485.D
Acq: 28 May 2020 15:09

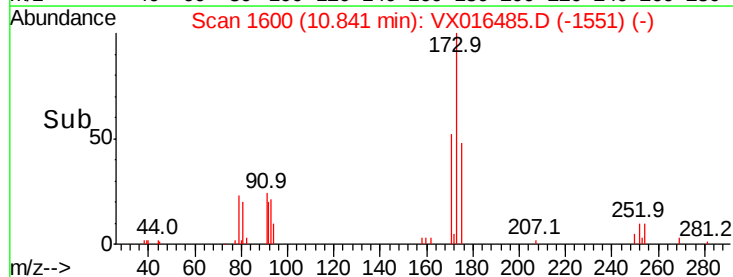
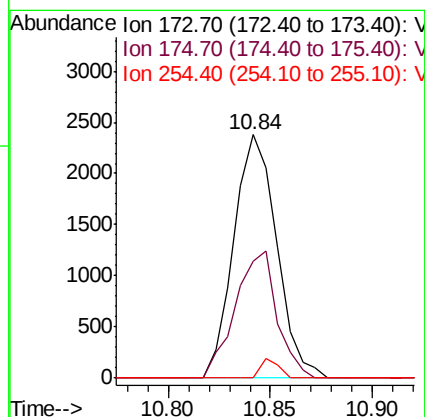
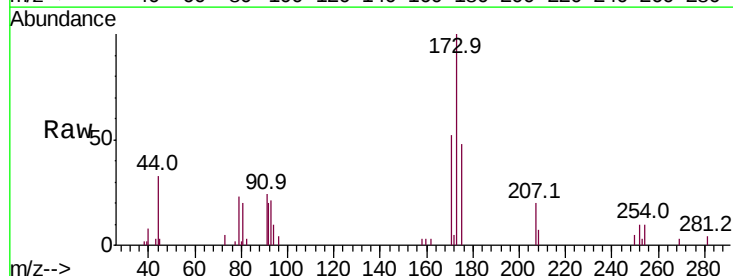
Instrument :
MSVOA_X
ClientSampled :
INF-RINSE

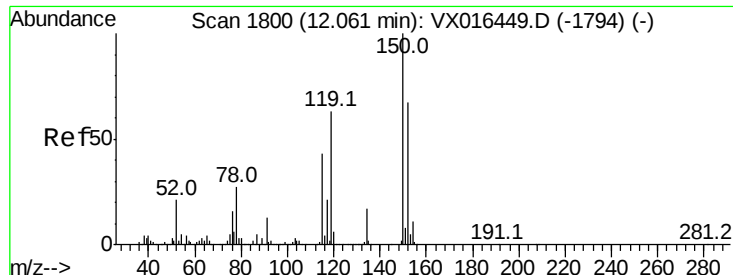
Tot Ion:112 Resp: 2983
Ion Ratio Lower Upper
112 100
114 30.7 26.0 39.0



#71
Bromoform
Concen: 1.106 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX016485.D
Acq: 28 May 2020 15:09

Tgt Ion:173 Resp: 3467
Ion Ratio Lower Upper
173 100
175 50.7 23.9 71.7
254 3.3 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016485.D

Acq: 28 May 2020 15:09

Instrument :

MSVOA_X

ClientSampleId :

INF-RINSE

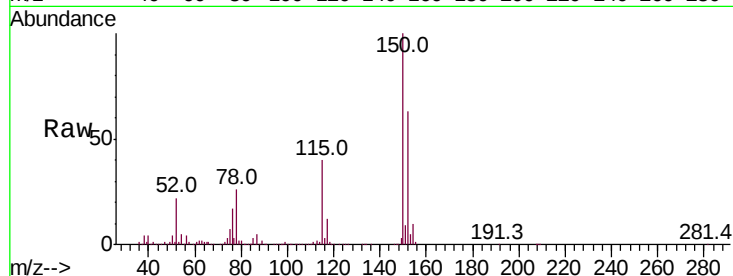
Tot Ion:152 Resp: 231056

Ion Ratio Lower Upper

152 100

115 60.7 39.9 119.6

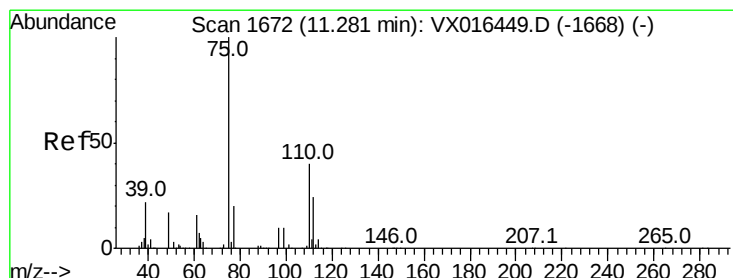
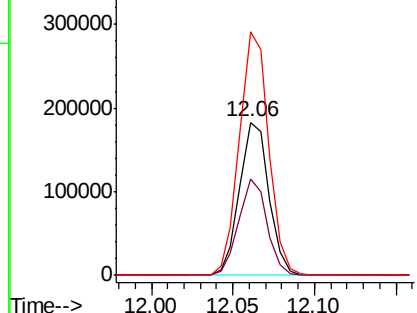
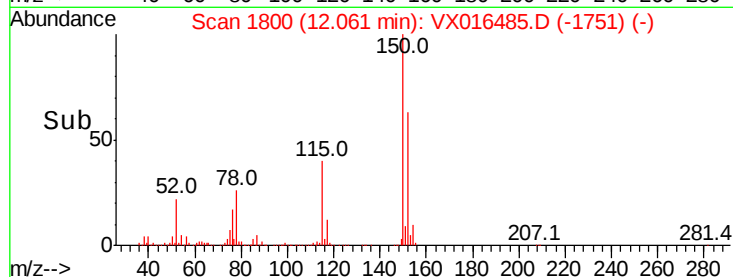
150 157.9 0.0 341.0



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: 22.724 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016485.D

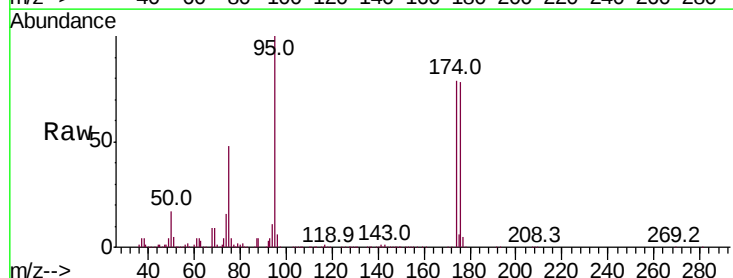
Acq: 28 May 2020 15:09

Tgt Ion: 75 Resp: 115408

Ion Ratio Lower Upper

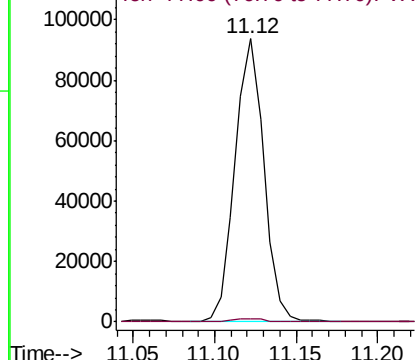
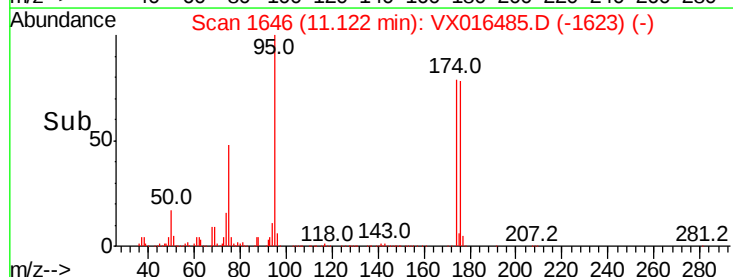
75 100

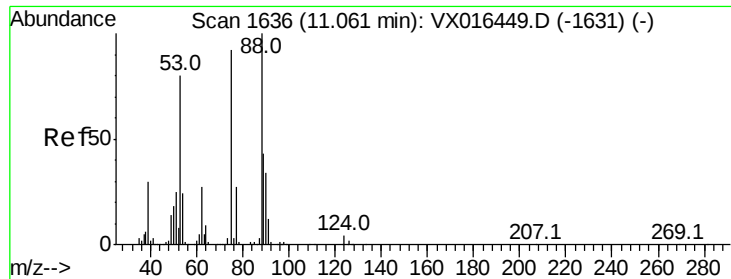
77 1.4 21.3 63.7#



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: 55.897 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016485.D
Acq: 28 May 2020 15:09

Instrument :
MSVOA_X
ClientSampleId :
INF-RINSE

Tot Ion: 75 Resp: 115408
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.0 36.6 55.0#

