

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016585.D
 Acq On : 04 Jun 2020 16:45
 Operator : JC/SP
 Sample : L2894-15 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 04:22:41 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	242541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	389308	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	392877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	201219	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	142878	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	5.46	113	117524	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	8.70	98	482326	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.12	95	196209	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	

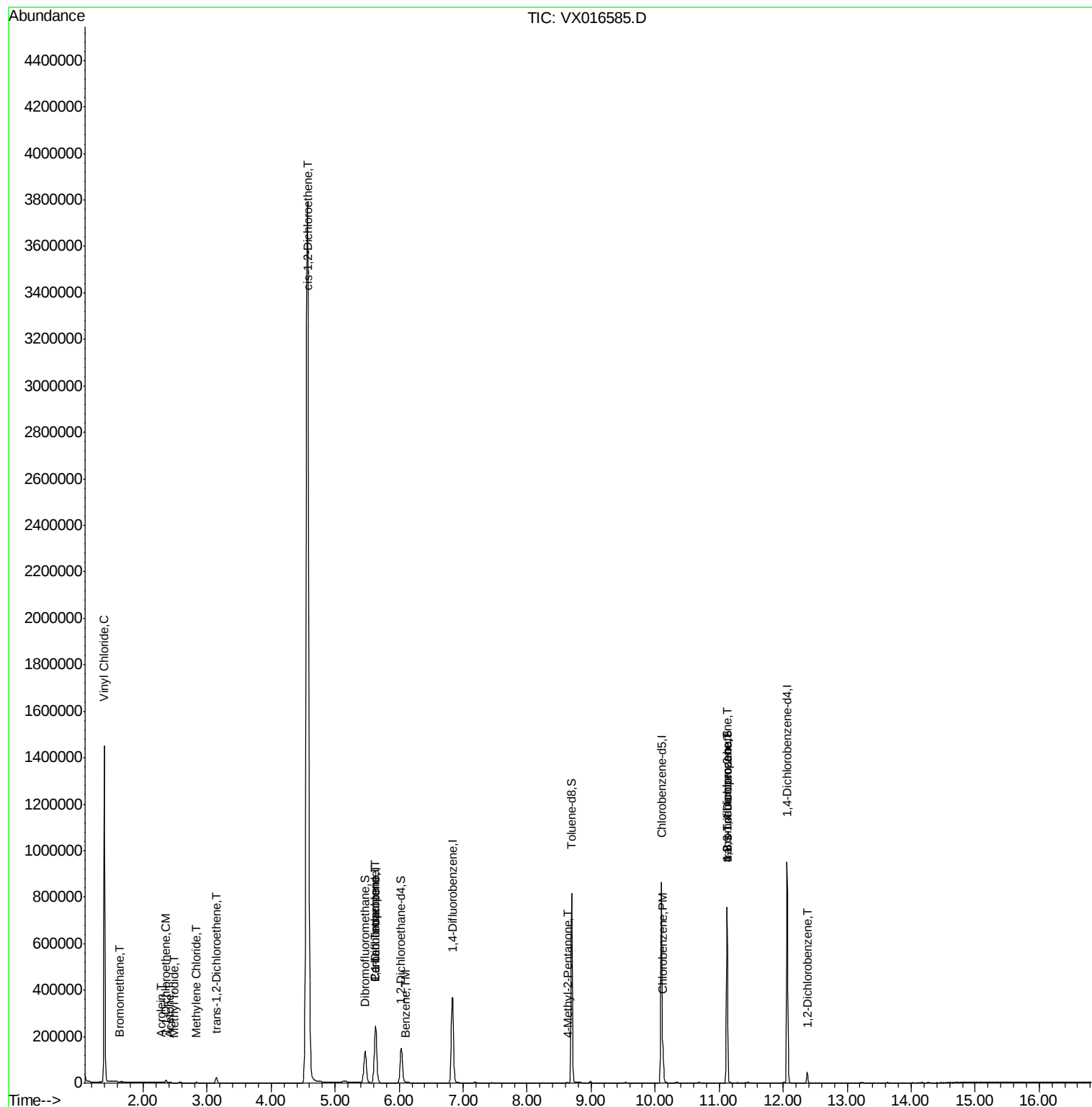
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	851074	279.007	ug/l	100
5) Bromomethane	1.64	94	301	0.203	ug/l #	69
10) Methyl Iodide	2.48	142	19	3.062	ug/l #	40
12) 1,1-Dichloroethene	2.36	96	3485	1.493	ug/l #	81
13) Acrolein	2.28	56	335	1.020	ug/l #	82
16) Acetone	2.42	43	1038	0.787	ug/l #	83
20) Methylene Chloride	2.84	84	637	0.233	ug/l	90
21) trans-1,2-Dichloroethene	3.15	96	9760	3.781	ug/l	93
27) cis-1,2-Dichloroethene	4.57	96	2542029	851.215	ug/l	89
36) 1,1-Dichloropropene	5.63	75	16878	4.579	ug/l #	51
38) Carbon Tetrachloride	5.63	117	23499	6.066	ug/l #	16
40) Benzene	6.11	78	3526	0.321	ug/l #	86
51) 4-Methyl-2-Pentanone	8.62	43	921	0.214	ug/l #	86
65) Chlorobenzene	10.12	112	57001	7.117	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	95475	21.587	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	95475	53.100	ug/l #	14
91) 1,2-Dichlorobenzene	12.38	146	15147	2.468	ug/l	98

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

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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# 746

Delta R.T. 0.01 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

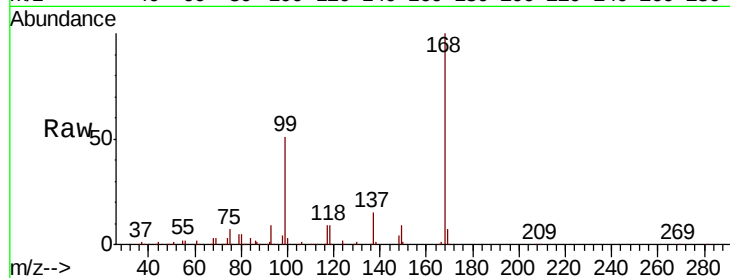
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 242541

Ion Ratio Lower Upper

168 100

99 50.9 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

80000

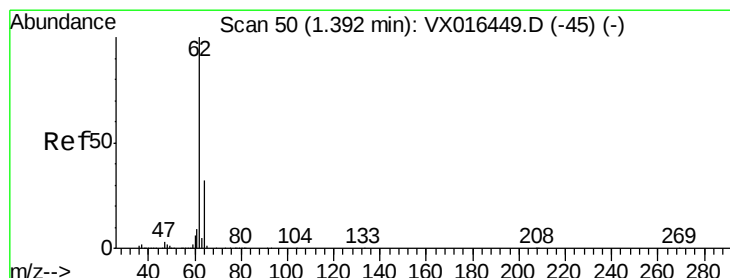
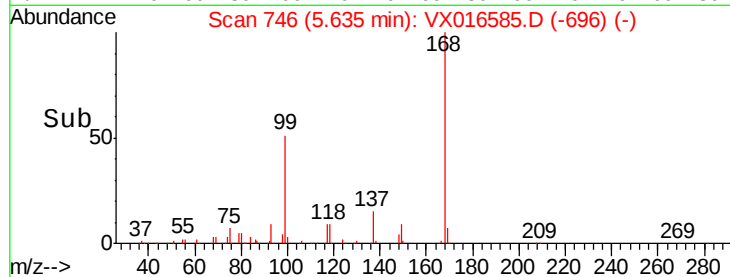
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 279.007 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016585.D

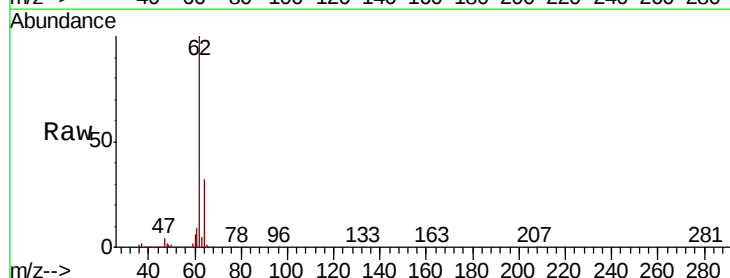
Acq: 04 Jun 2020 16:45

Tgt Ion: 62 Resp: 851074

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

800000

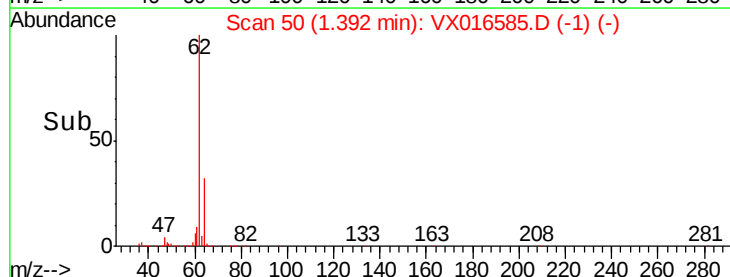
600000

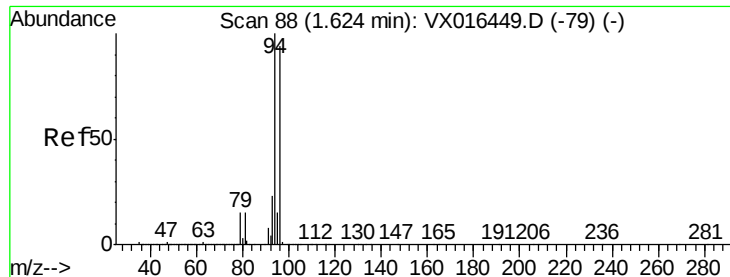
400000

200000

0

Time-->





#5

Bromomethane

Concen: 0.203 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

Instrument :

MSVOA_X

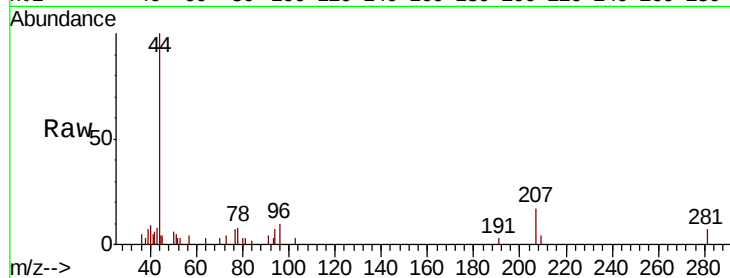
ClientSampled :

Tot Ion: 94 Resp: 301

Ion Ratio Lower Upper

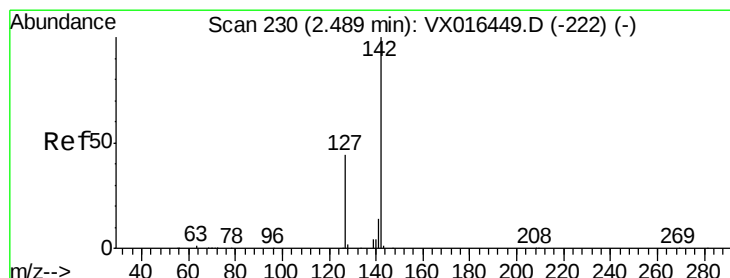
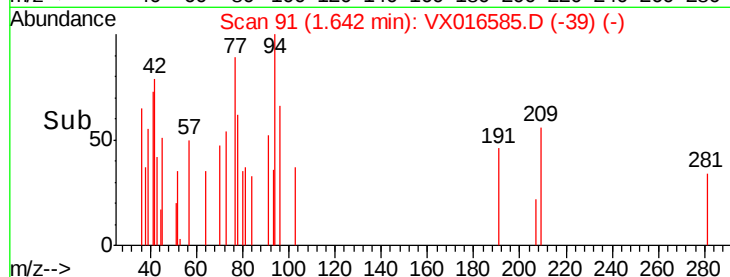
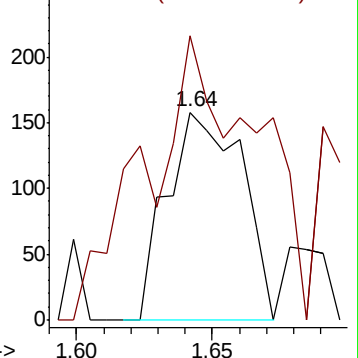
94 100

96 63.9 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: 3.062 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

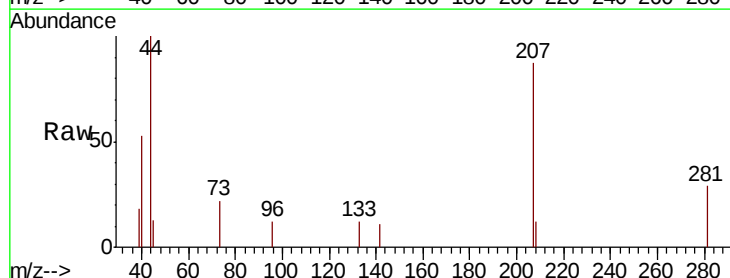
Tgt Ion: 142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 35.3 52.9#

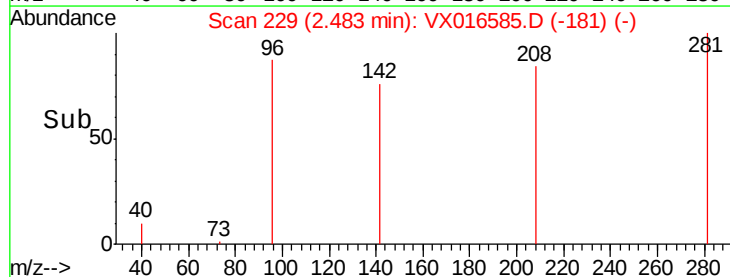
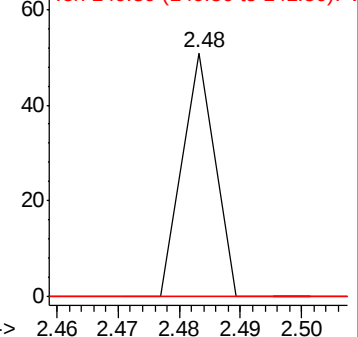
141 0.0 11.4 17.2#

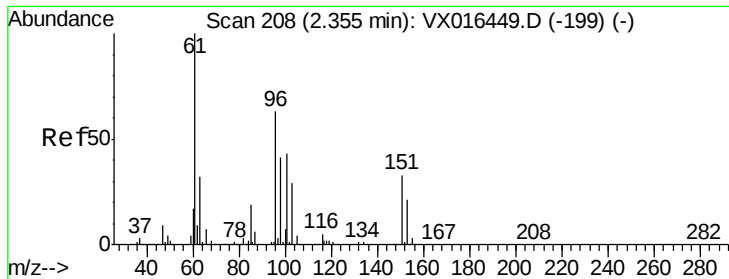


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#12

1,1-Dichloroethene

Concen: 1.493 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

Instrument :

MSVOA_X

ClientSampled :

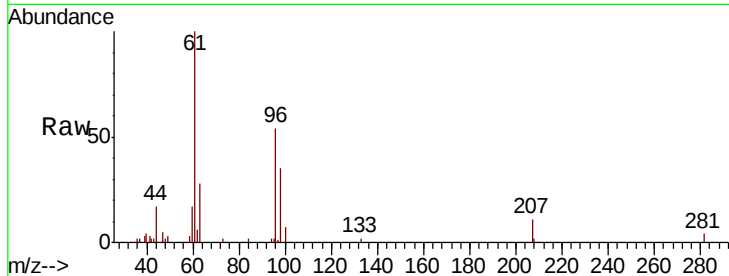
Tot Ion: 96 Resp: 3485

Ion Ratio Lower Upper

96 100

61 190.9 126.6 189.8#

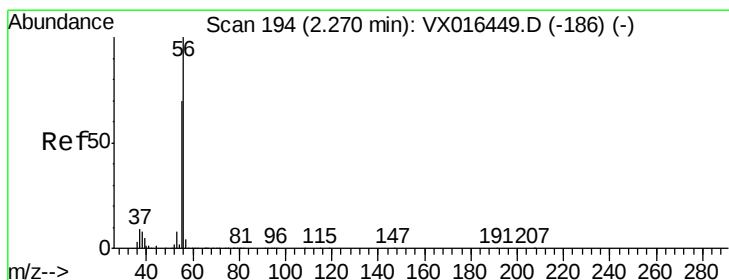
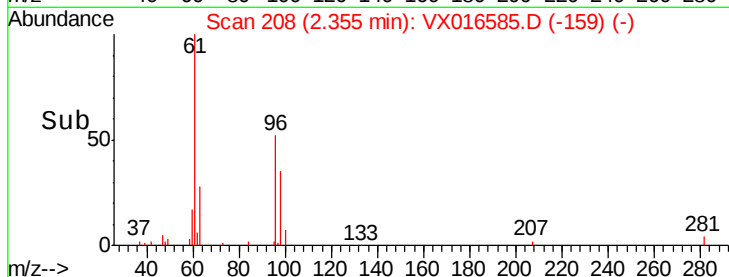
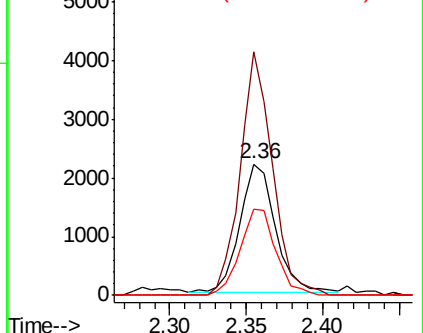
98 67.6 51.3 76.9



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



#13

Acrolein

Concen: 1.020 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016585.D

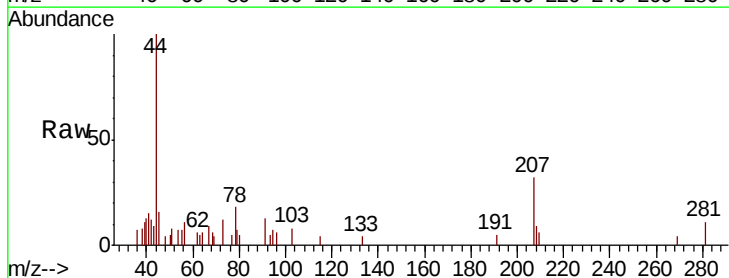
Acq: 04 Jun 2020 16:45

Tgt Ion: 56 Resp: 335

Ion Ratio Lower Upper

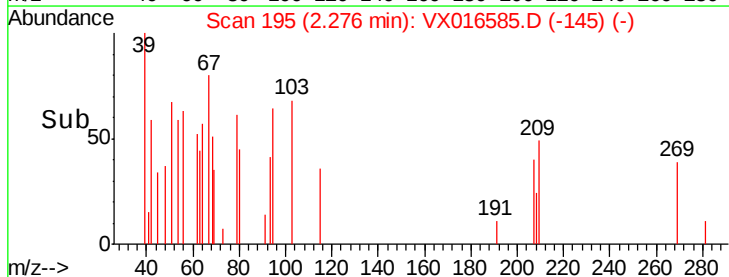
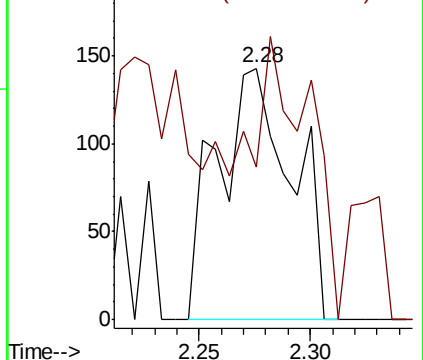
56 100

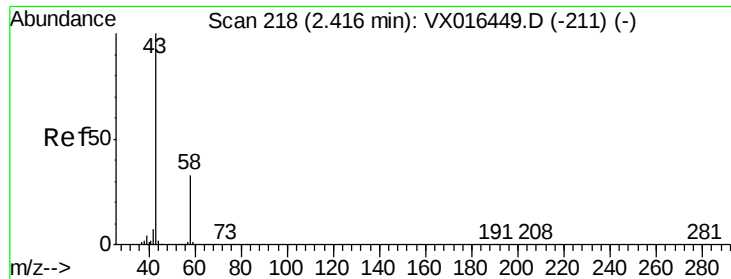
55 88.4 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.787 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

Instrument :

MSVOA_X

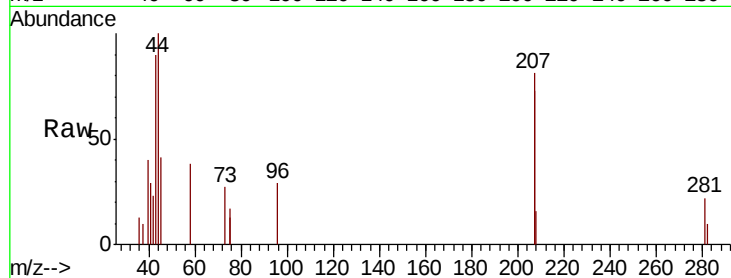
ClientSampled :

Tot Ion: 43 Resp: 1038

Ion Ratio Lower Upper

43 100

58 42.1 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

400

300

200

100

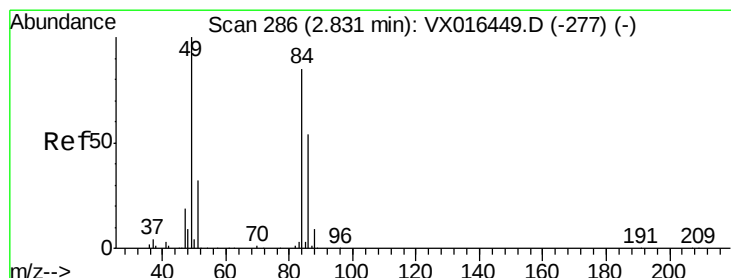
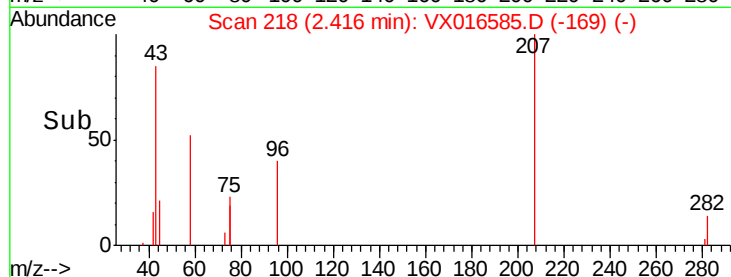
0

2.35

2.40

2.45

Time-->



#20

Methylene Chloride

Concen: 0.233 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

Tgt Ion: 84 Resp: 637

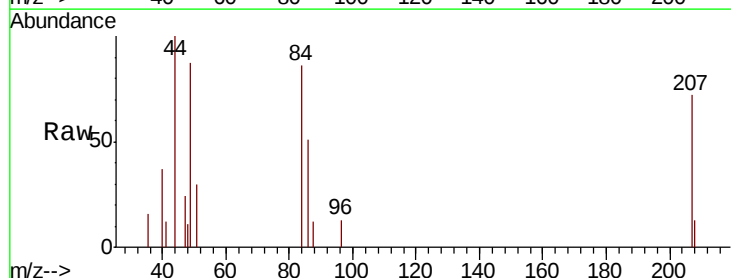
Ion Ratio Lower Upper

84 100

49 101.8 94.5 141.7

51 35.6 30.2 45.4

86 59.5 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

800

600

400

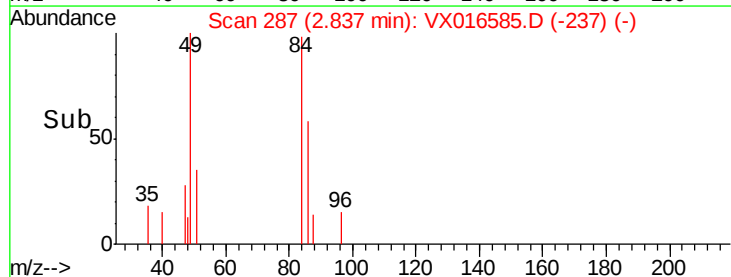
200

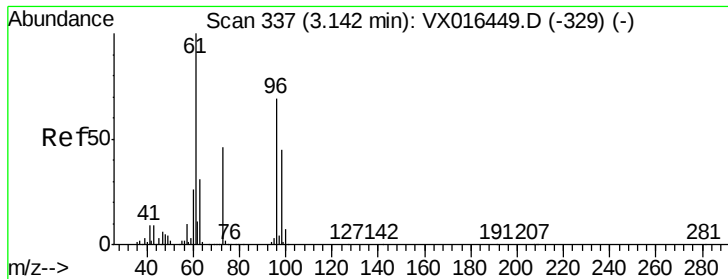
0

2.80

2.85

Time-->





#21

trans-1,2-Dichloroethene

Concen: 3.781 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

Instrument :

MSVOA_X

ClientSampleId :

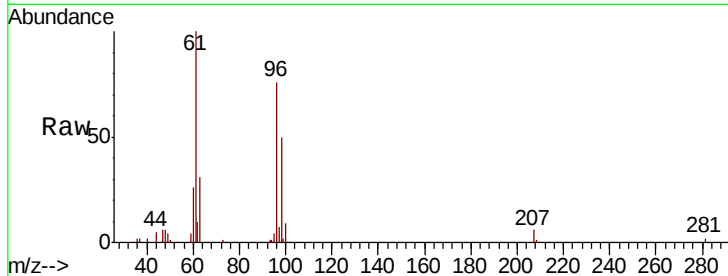
Tot Ion: 96 Resp: 9760

Ion Ratio Lower Upper

96 100

61 130.9 115.3 172.9

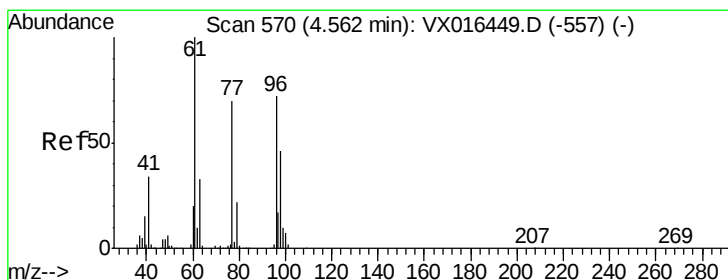
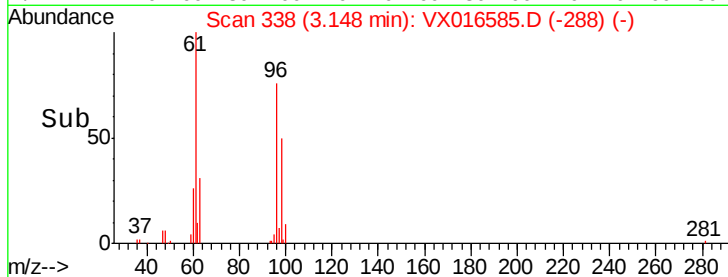
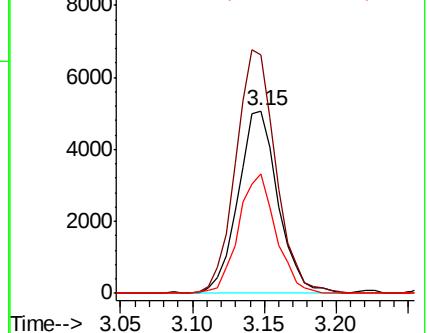
98 65.2 51.9 77.9



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



#27

cis-1,2-Dichloroethene

Concen: 851.215 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

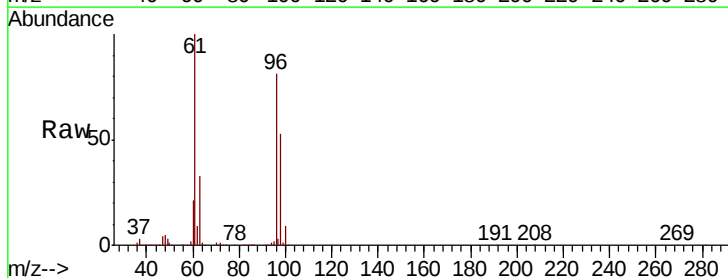
Tgt Ion: 96 Resp: 2542029

Ion Ratio Lower Upper

96 100

61 124.3 0.0 284.6

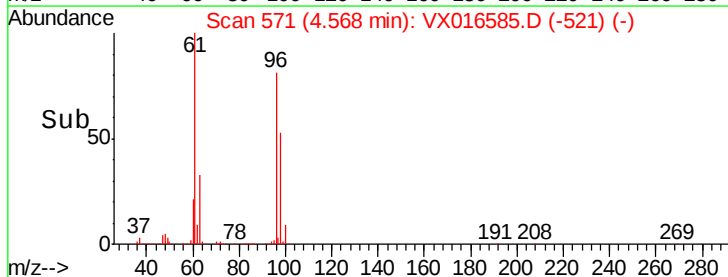
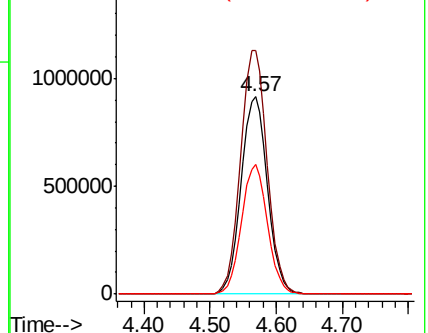
98 64.7 0.0 127.2

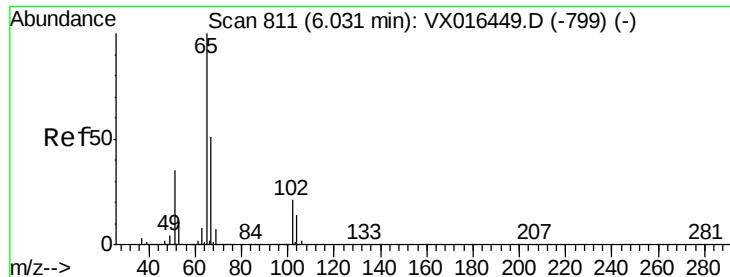


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.436 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

Instrument :

MSVOA_X

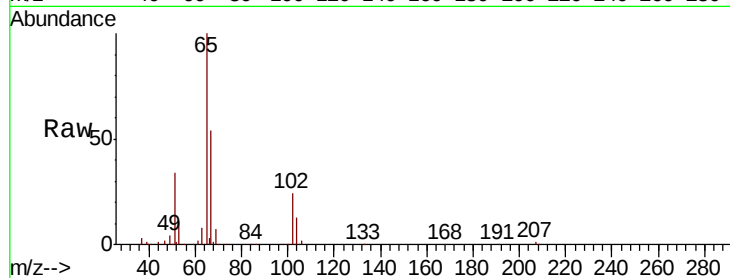
ClientSampleId :

Tot Ion: 65 Resp: 142878

Ion Ratio Lower Upper

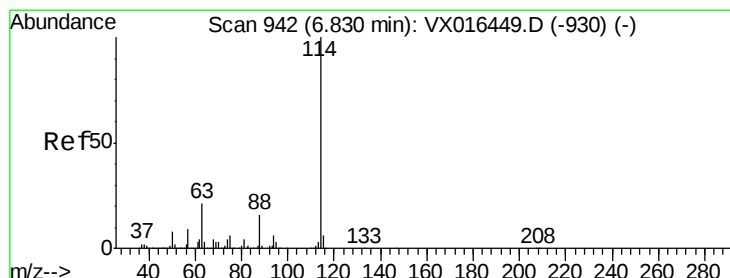
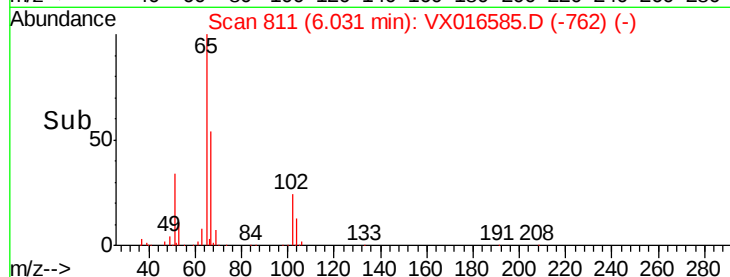
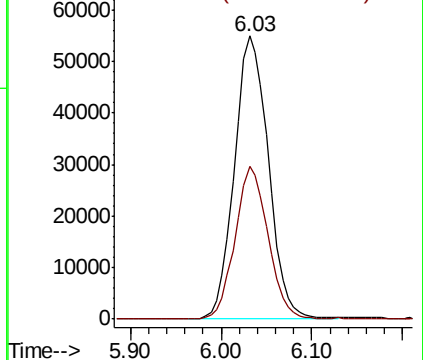
65 100

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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

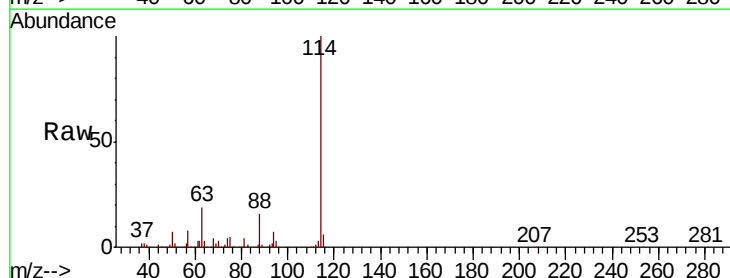
Tgt Ion: 114 Resp: 389308

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.6

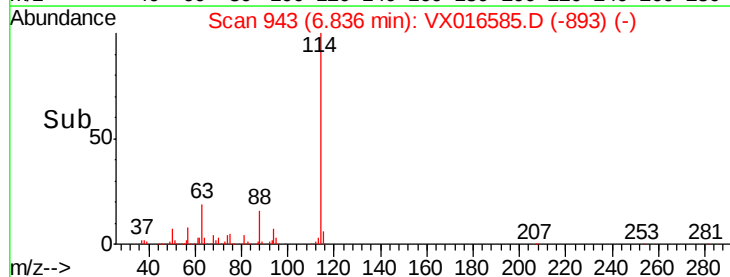
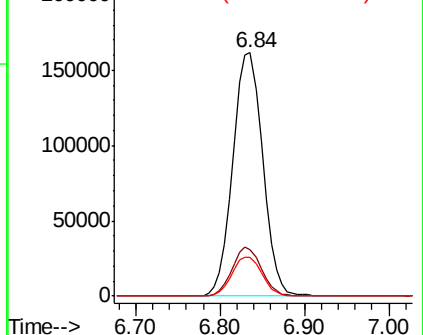
88 15.9 0.0 32.8

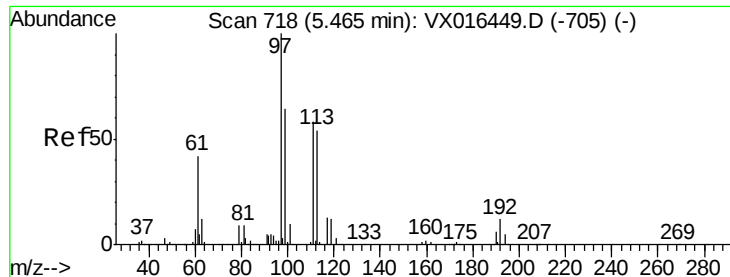


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

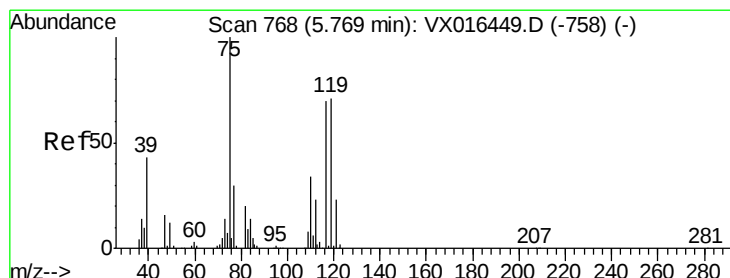
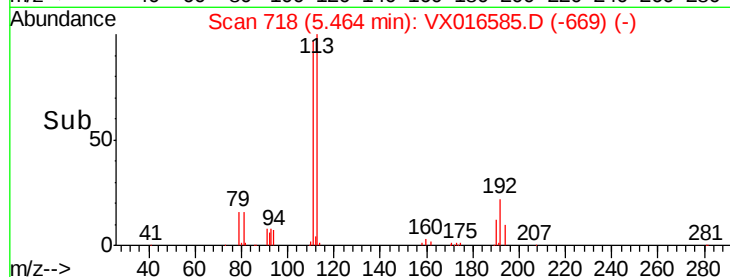
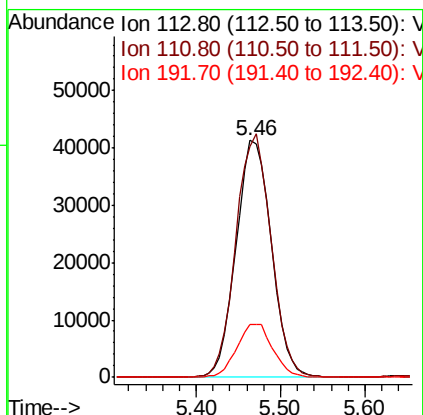
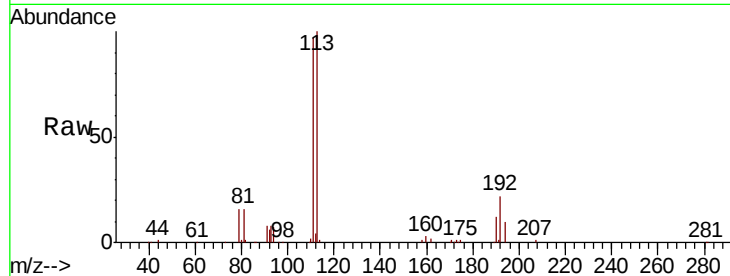




#35
 Dibromofluoromethane
 Concen: 49.027 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016585.D
 Acq: 04 Jun 2020 16:45

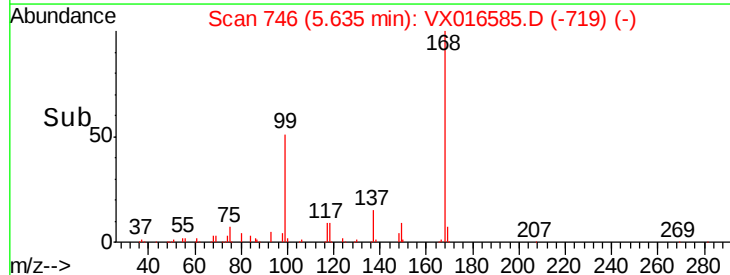
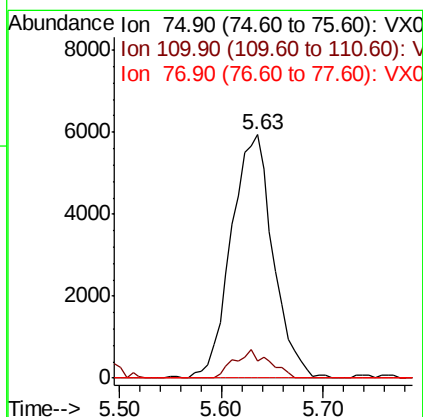
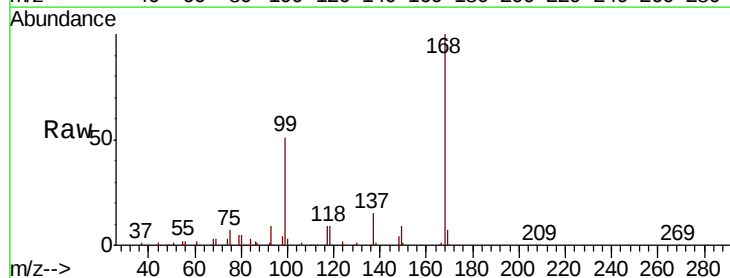
Instrument :
 MSVOA_X
 ClientSampled :

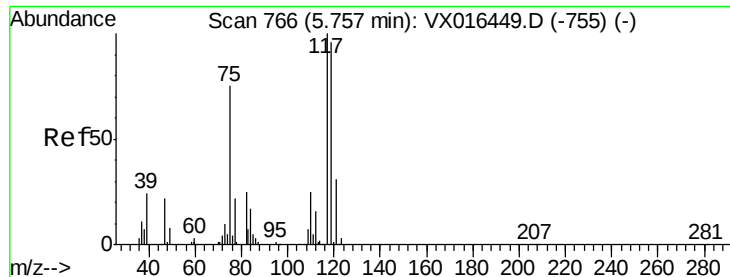
Tot Ion:113 Resp: 117524
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.6
 192 22.9 17.7 26.5



#36
 1,1-Dichloropropene
 Concen: 4.579 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016585.D
 Acq: 04 Jun 2020 16:45

Tgt Ion: 75 Resp: 16878
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.4 52.3#
 77 0.0 24.2 36.4#

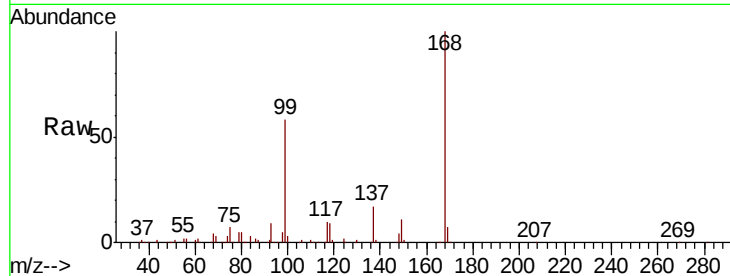




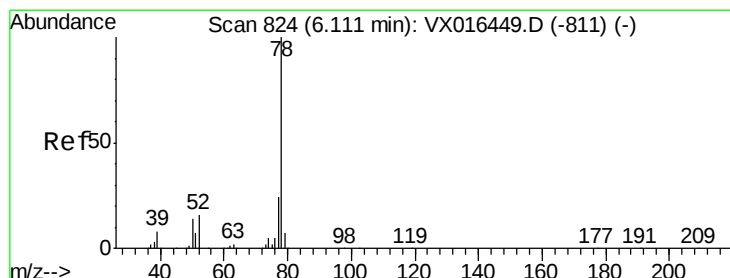
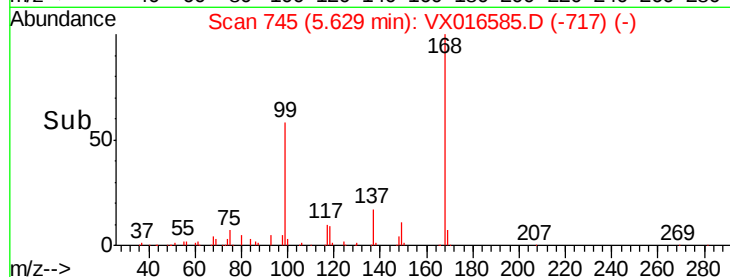
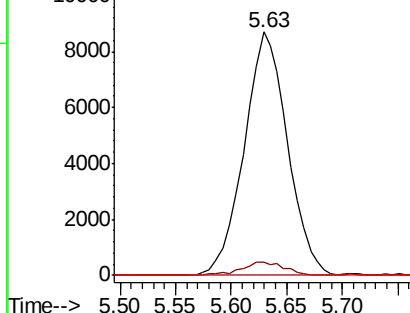
#38
Carbon Tetrachloride
Concen: 6.066 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016585.D
Acq: 04 Jun 2020 16:45

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 23499
Ion Ratio Lower Upper
117 100
119 5.3 76.3 114.5#
121 0.0 24.6 37.0#

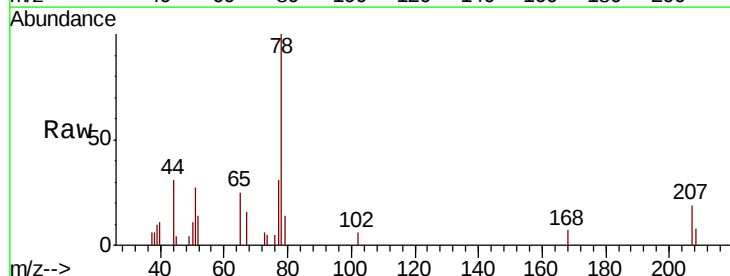


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

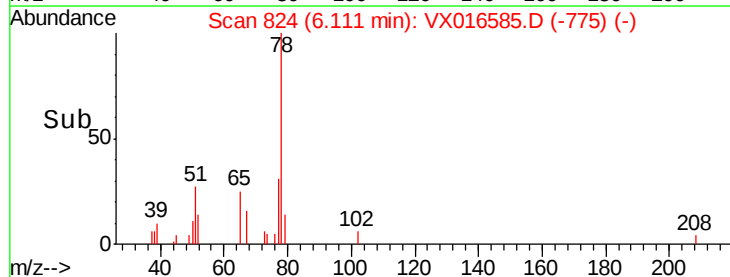
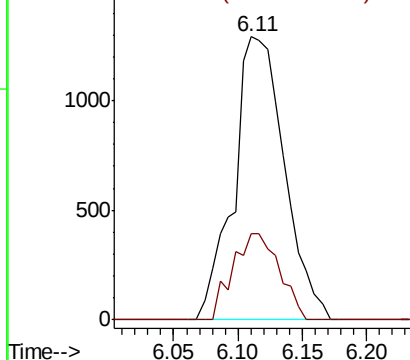


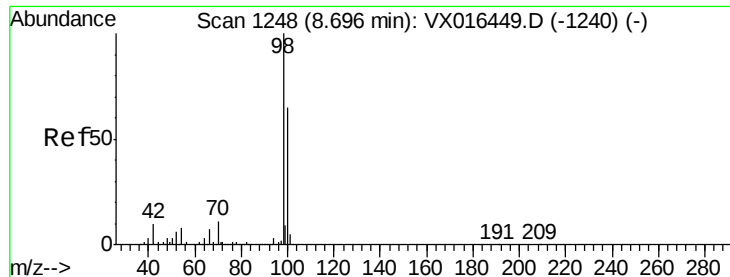
#40
Benzene
Concen: 0.321 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX016585.D
Acq: 04 Jun 2020 16:45

Tgt Ion: 78 Resp: 3526
Ion Ratio Lower Upper
78 100
77 30.5 18.9 28.3#



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

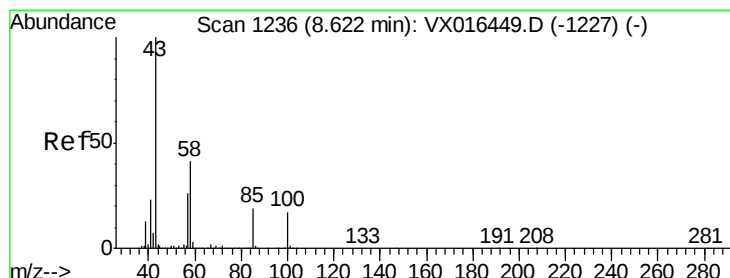
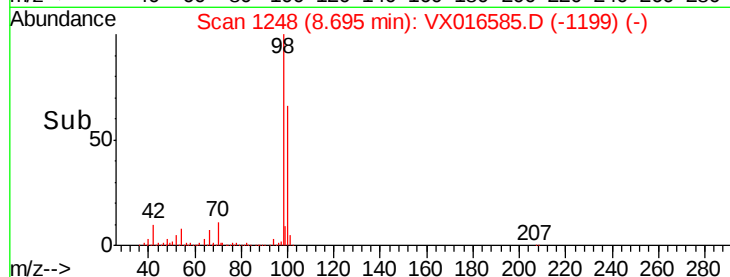
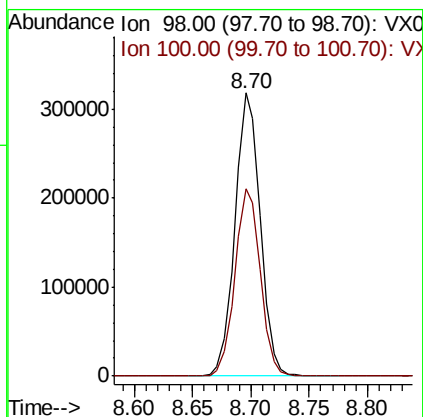
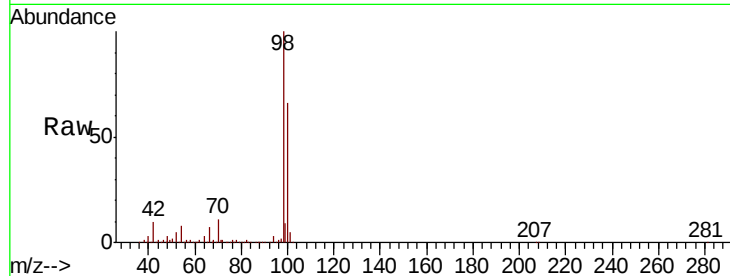




#50
Toluene-d8
Concen: 51.695 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016585.D
Acq: 04 Jun 2020 16:45

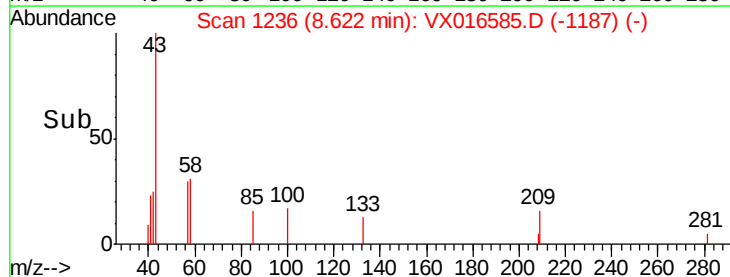
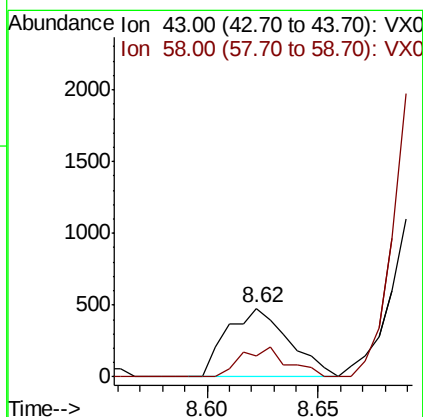
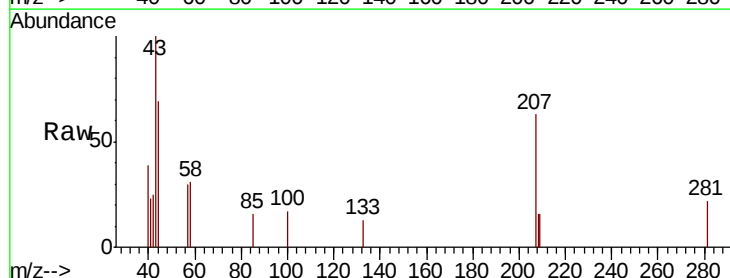
Instrument :
MSVOA_X
ClientSampleId :

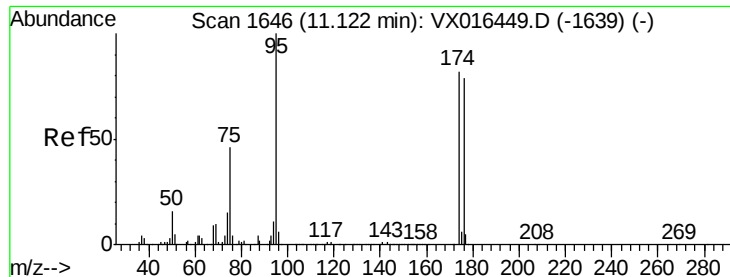
Tot Ion: 98 Resp: 482326
Ion Ratio Lower Upper
98 100
100 66.5 53.8 80.6



#51
4-Methyl-2-Pentanone
Concen: 0.214 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX016585.D
Acq: 04 Jun 2020 16:45

Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
58 32.6 33.0 49.6#





#62

4-Bromofluorobenzene

Concen: 54.424 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

Instrument :

MSVOA_X

ClientSampled :

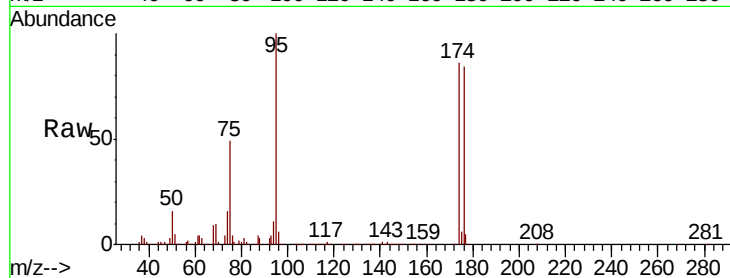
Tot Ion: 95 Resp: 196209

Ion Ratio Lower Upper

95 100

174 83.3 0.0 163.0

176 81.7 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

200000

150000

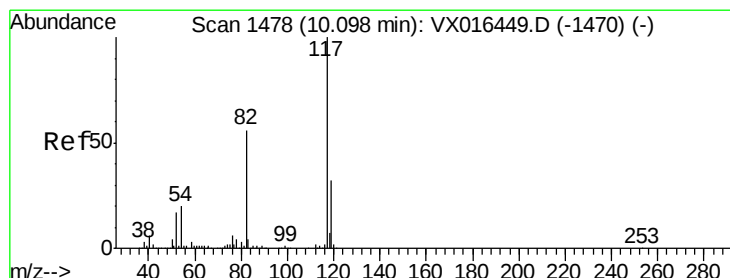
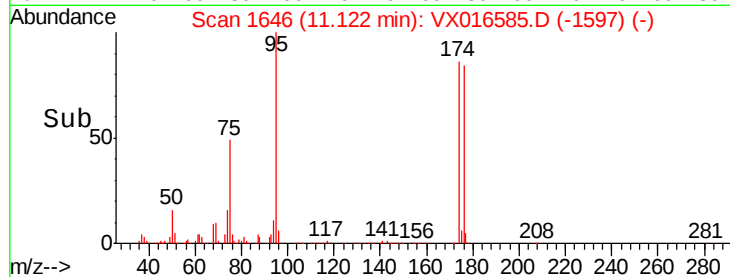
100000

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: VX016585.D

Acq: 04 Jun 2020 16:45

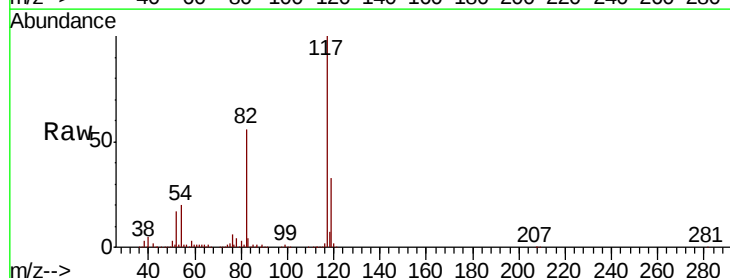
Tgt Ion: 117 Resp: 392877

Ion Ratio Lower Upper

117 100

82 56.0 45.0 67.6

119 32.8 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

400000

300000

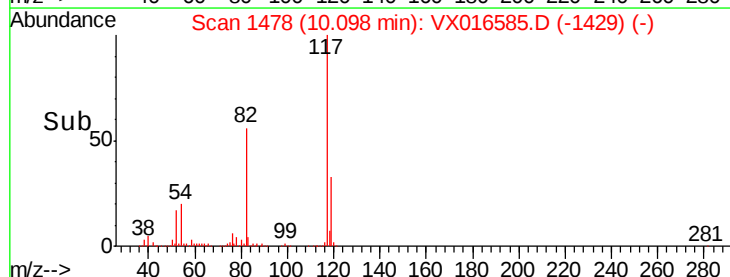
200000

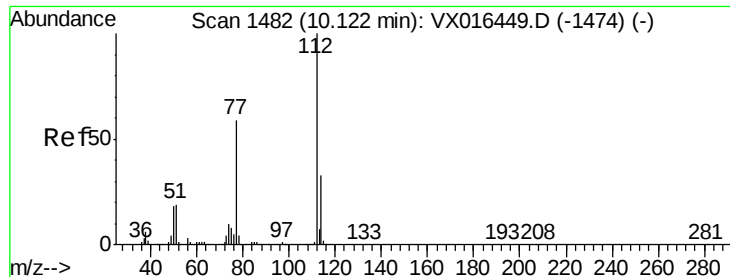
100000

0

10.00 10.10 10.20

Time-->

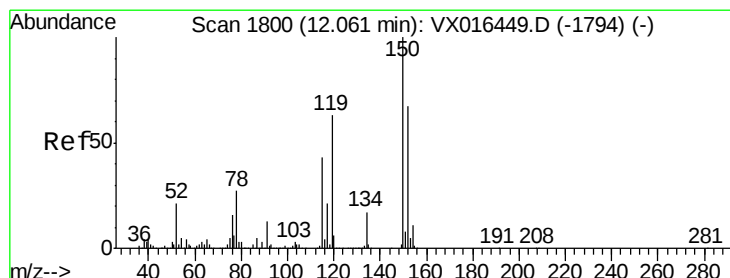
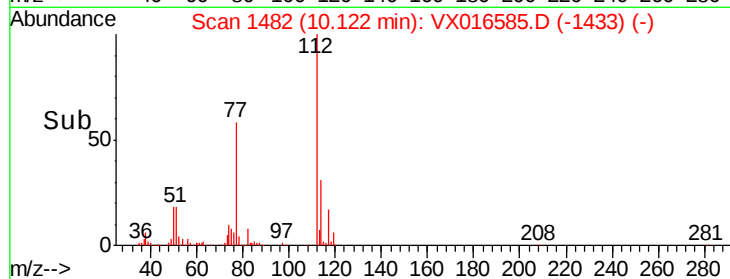
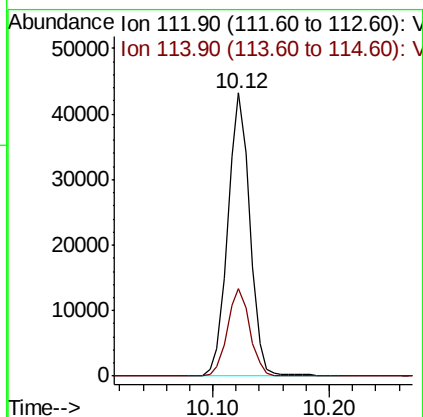
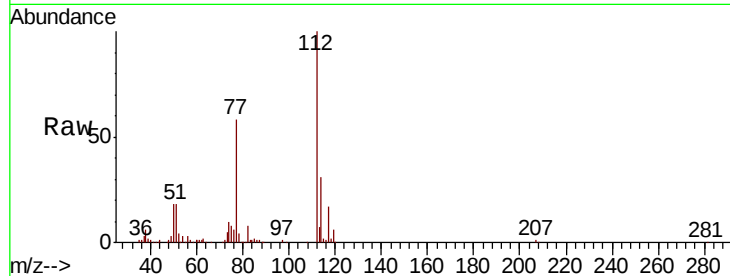




#65
Chlorobenzene
Concen: 7.117 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016585.D
Acq: 04 Jun 2020 16:45

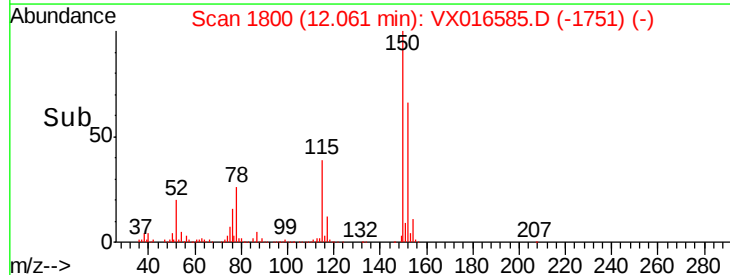
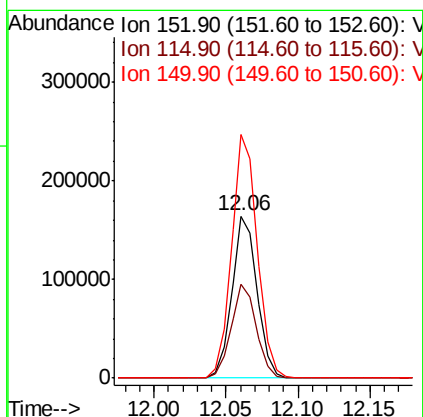
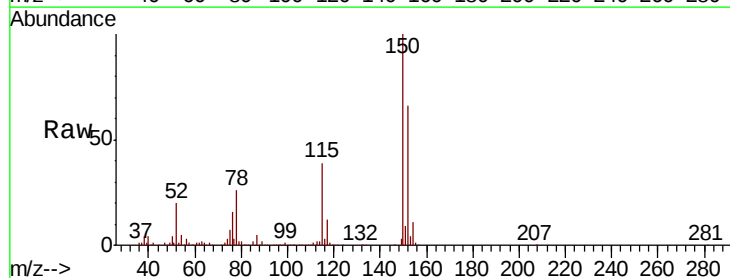
Instrument :
MSVOA_X
ClientSampleId :

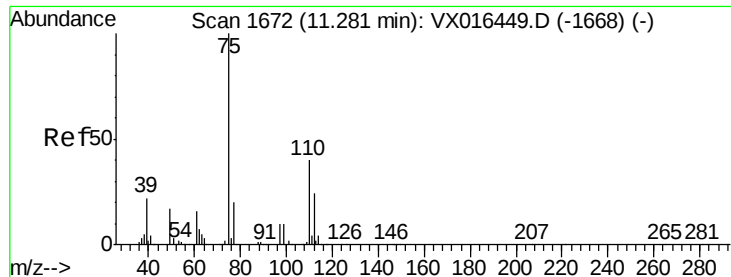
Tot Ion:112 Resp: 57001
Ion Ratio Lower Upper
112 100
114 30.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016585.D
Acq: 04 Jun 2020 16:45

Tgt Ion:152 Resp: 201219
Ion Ratio Lower Upper
152 100
115 58.1 39.9 119.6
150 153.0 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 21.587 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

Instrument :

MSVOA_X

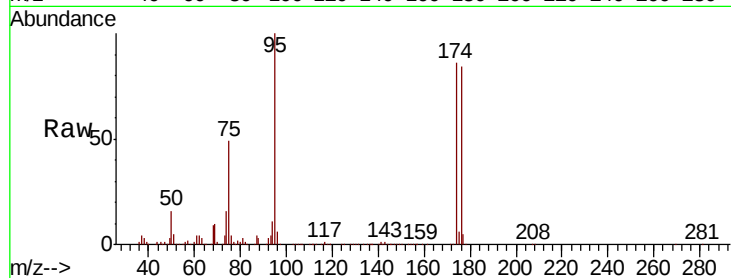
ClientSampled :

Tot Ion: 75 Resp: 95475

Ion Ratio Lower Upper

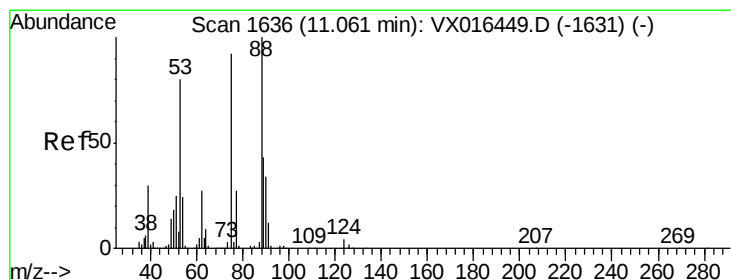
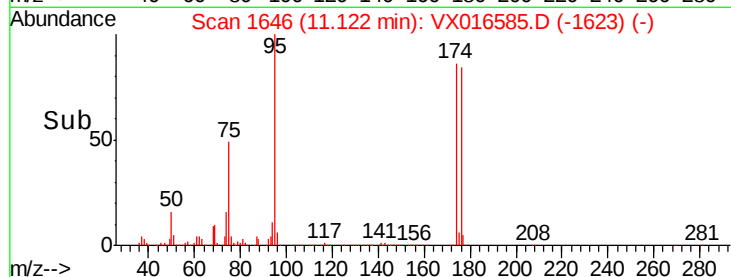
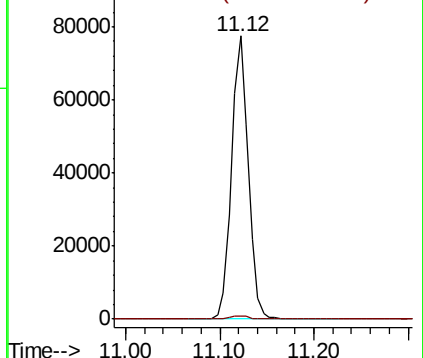
75 100

77 1.3 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: 53.100 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

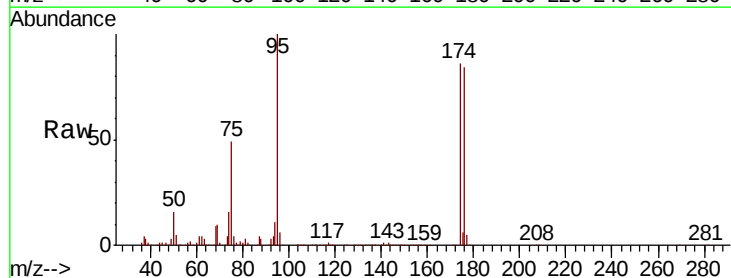
Tgt Ion: 75 Resp: 95475

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

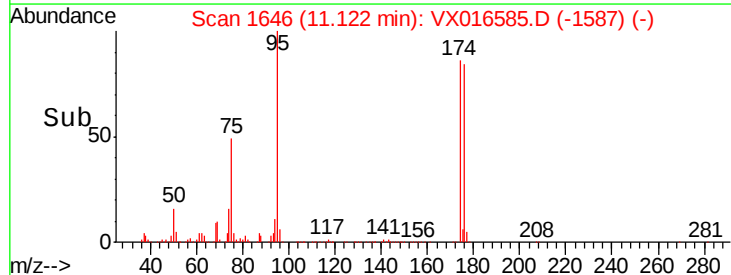
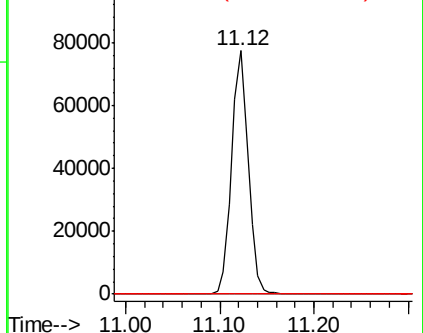
89 0.0 36.6 55.0#

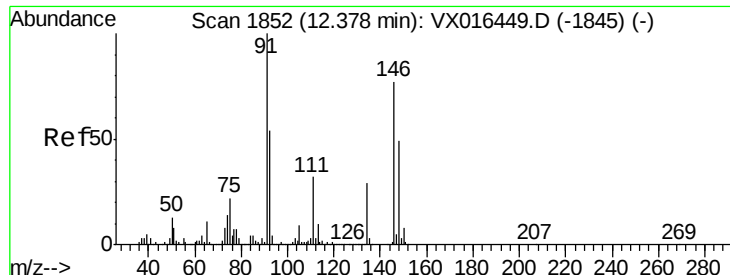


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#91

1,2-Dichlorobenzene

Concen: 2.468 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016585.D

Acq: 04 Jun 2020 16:45

Instrument :

MSVOA_X

ClientSampleId :

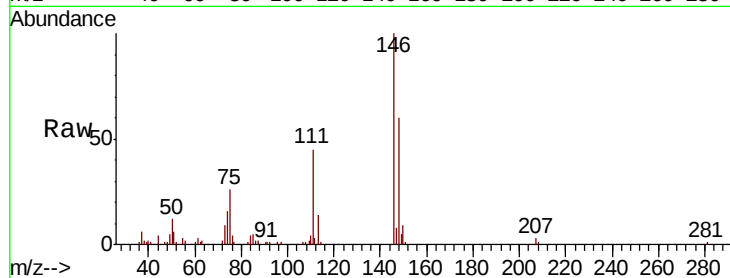
Tot Ion:146 Resp: 15147

Ion Ratio Lower Upper

146 100

111 42.8 21.4 64.3

148 61.4 31.9 95.7



Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

