

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072920\
 Data File : VX017666.D
 Acq On : 29 Jul 2020 11:07
 Operator : JC/SP
 Sample : VX0729WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 30 04:33:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	512802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	830019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	873273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	461850	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	338926	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
35) Dibromofluoromethane	5.46	113	289059	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
50) Toluene-d8	8.70	98	1040172	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	11.12	95	434994	54.28	ug/l	0.00
Spiked Amount			Recovery	=	108.56%	

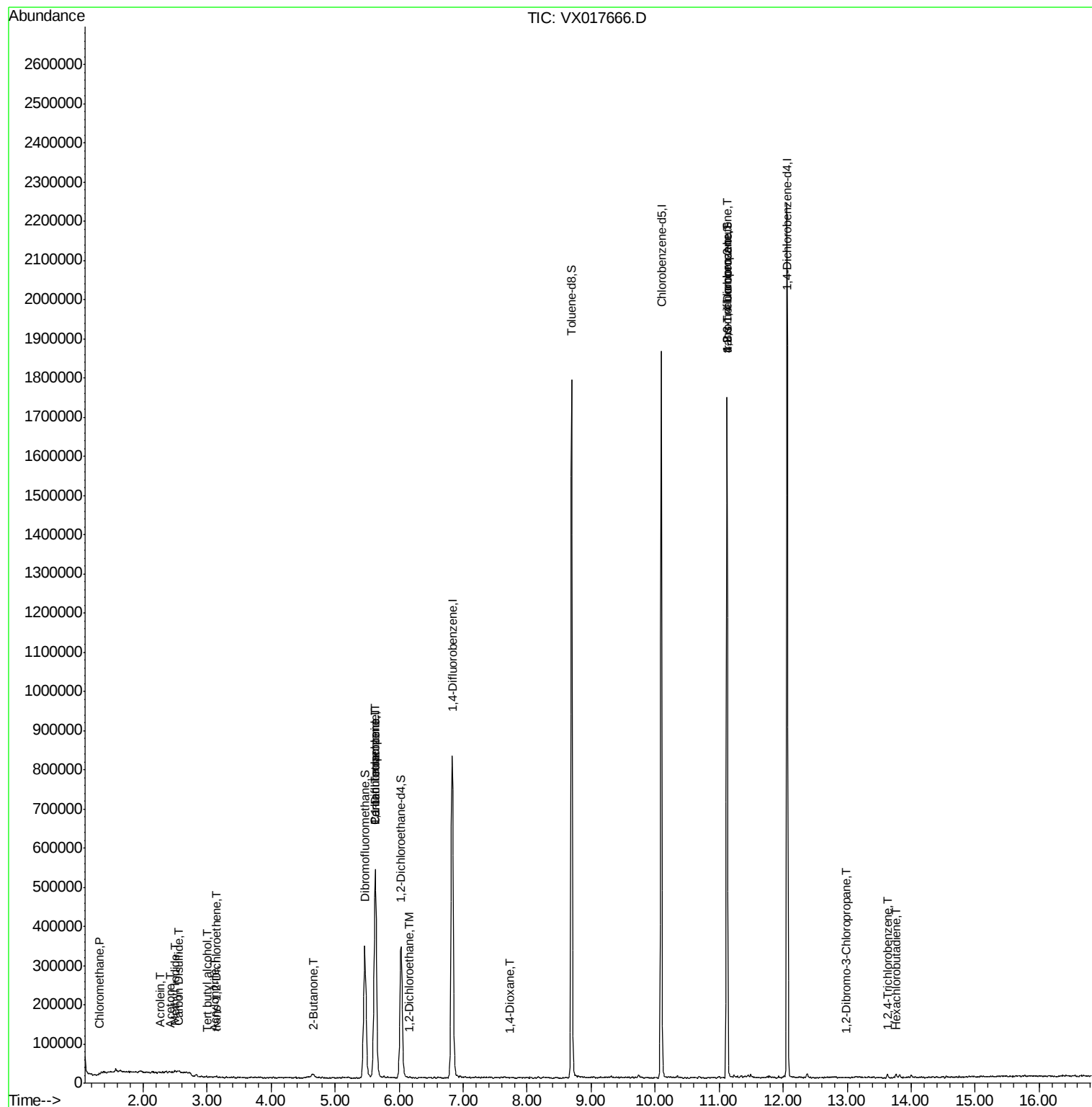
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	488	Below Cal		85
3) Chloromethane	1.31	50	1205	0.556 ug/l #		88
5) Bromomethane	1.64	94	3122	Below Cal		100
6) Chloroethane	1.70	64	536	Below Cal #		70
8) Diethyl Ether	2.24	74	599	Below Cal		67
10) Methyl Iodide	2.49	142	3940	0.553 ug/l #		75
11) Tert butyl alcohol	3.00	59	1003	0.722 ug/l #		1
13) Acrolein	2.27	56	1717	5.742 ug/l #		39
15) Acrylonitrile	3.12	53	1559	0.520 ug/l #		86
16) Acetone	2.43	43	1188	0.410 ug/l #		77
17) Carbon Disulfide	2.55	76	4851	0.301 ug/l #		94
20) Methylene Chloride	2.84	84	3406	Below Cal #		77
21) trans-1,2-Dichloroethene	3.15	96	1156	0.204 ug/l #		51
25) 2-Butanone	4.65	43	859	0.209 ug/l #		76
36) 1,1-Dichloropropene	5.63	75	38231	4.803 ug/l #		53
38) Carbon Tetrachloride	5.63	117	50894	5.265 ug/l #		16
42) 1,2-Dichloroethane	6.16	62	2063	0.221 ug/l		95
49) 1,4-Dioxane	7.71	88	53	0.388 ug/l #		1
76) 1,2,3-Trichloropropane	11.12	75	225364	23.721 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.12	75	225364	59.773 ug/l #		12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	223	2.652 ug/l		68
93) 1,2,4-Trichlorobenzene	13.63	180	2388	0.234 ug/l		82
94) Hexachlorobutadiene	13.77	225	1167	0.248 ug/l		89

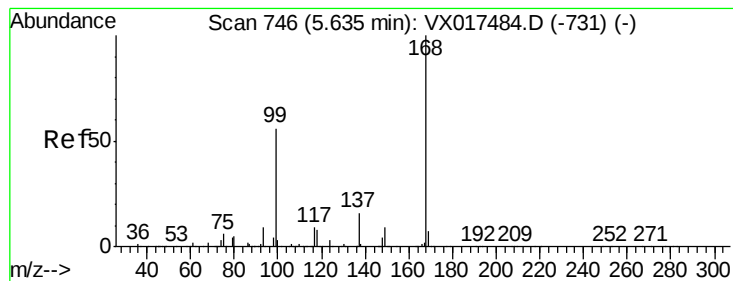
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072920\
Data File : VX017666.D
Acq On : 29 Jul 2020 11:07
Operator : JC/SP
Sample : VX0729WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 30 04:33:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

Instrument :

MSVOA_X

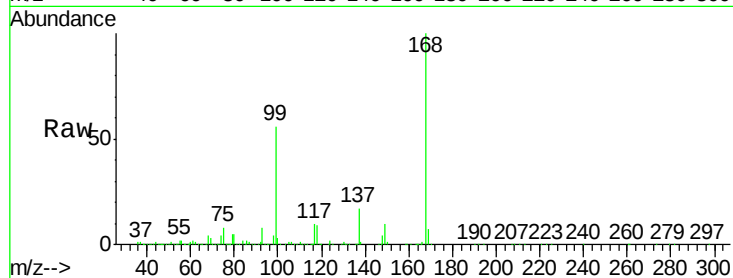
ClientSampleId :

Tot Ion:168 Resp: 512802

Ion Ratio Lower Upper

168 100

99 55.8 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

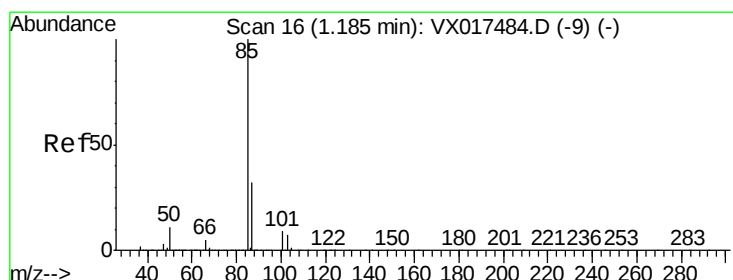
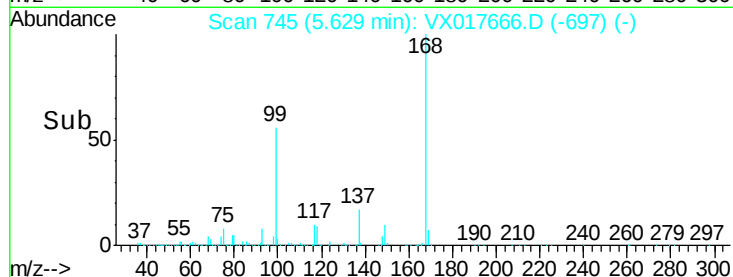
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX017666.D

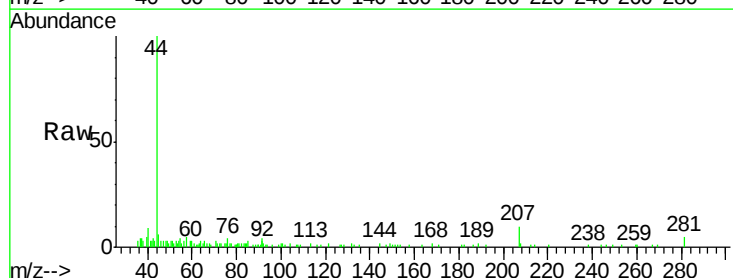
Acq: 29 Jul 2020 11:07

Tgt Ion: 85 Resp: 488

Ion Ratio Lower Upper

85 100

87 23.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

300

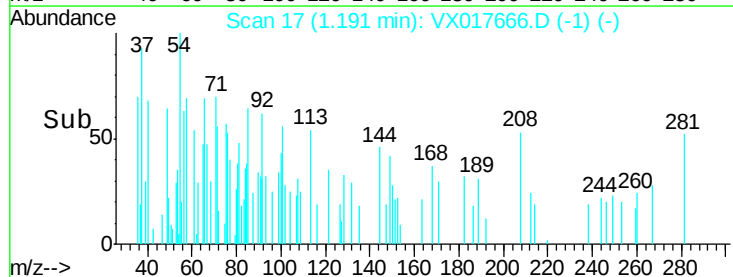
200

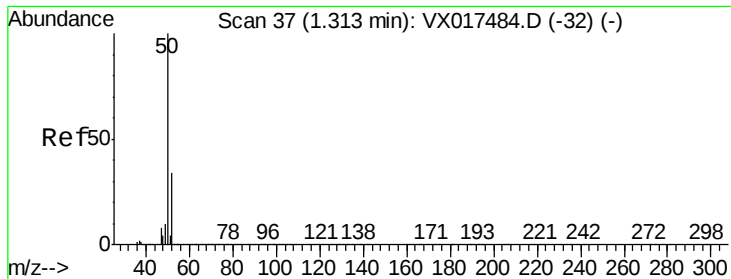
100

0

Time-->

1.15 1.20





#3

Chloromethane

Concen: 0.556 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

Instrument :

MSVOA_X

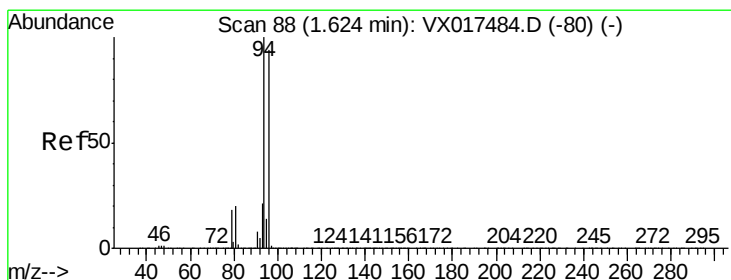
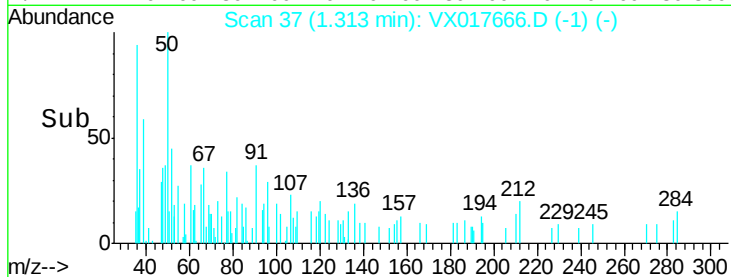
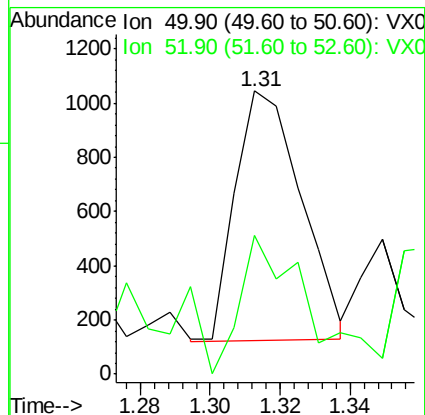
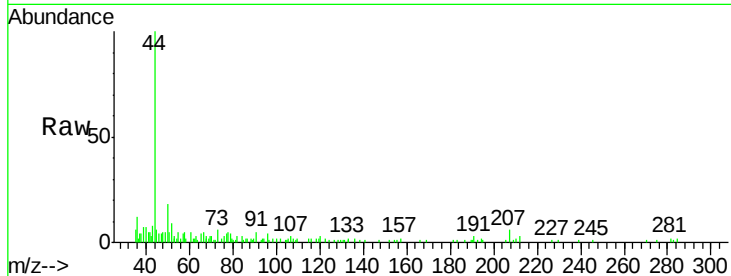
ClientSampleId :

Tot Ion: 50 Resp: 1205

Ion Ratio Lower Upper

50 100

52 39.4 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017666.D

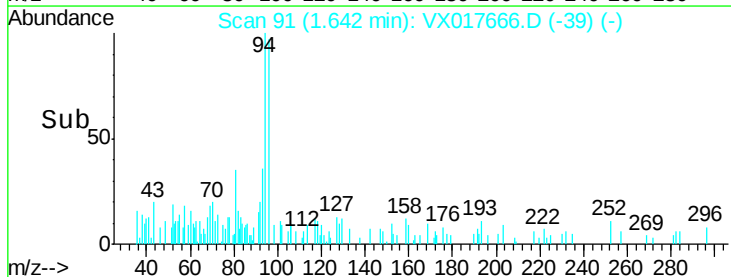
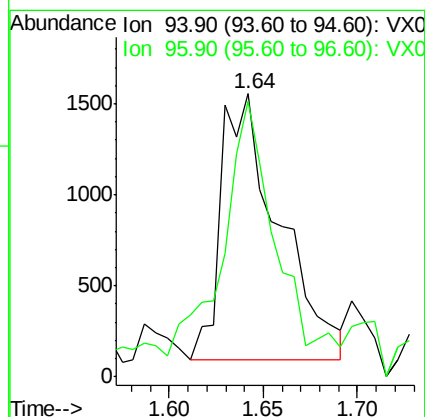
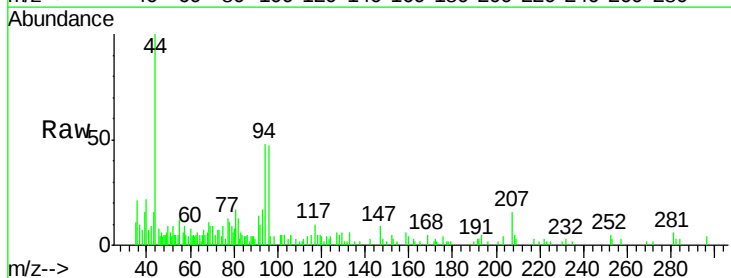
Acq: 29 Jul 2020 11:07

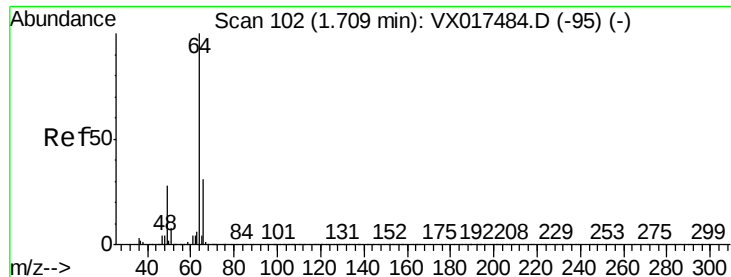
Tgt Ion: 94 Resp: 3122

Ion Ratio Lower Upper

94 100

96 92.7 74.1 111.1





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

Instrument :

MSVOA_X

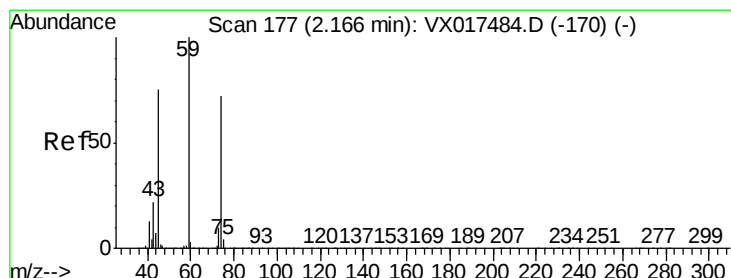
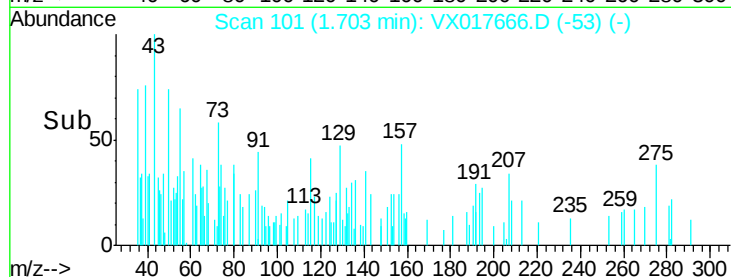
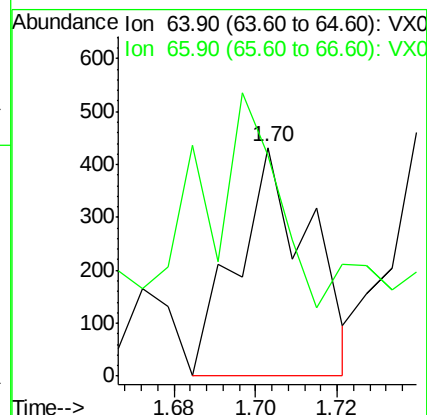
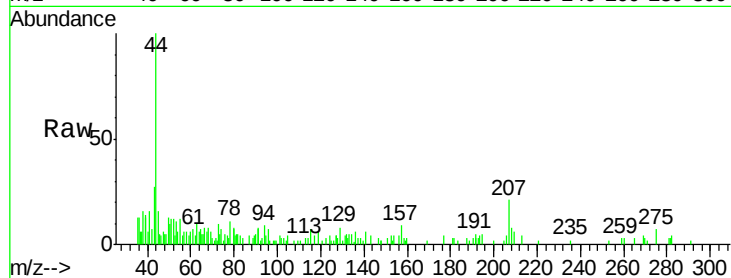
ClientSampleId :

Tot Ion: 64 Resp: 536

Ion Ratio Lower Upper

64 100

66 47.7 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.24 min Scan# 189

Delta R.T. 0.07 min

Lab File: VX017666.D

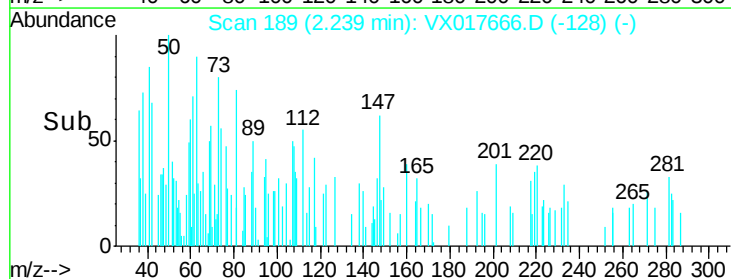
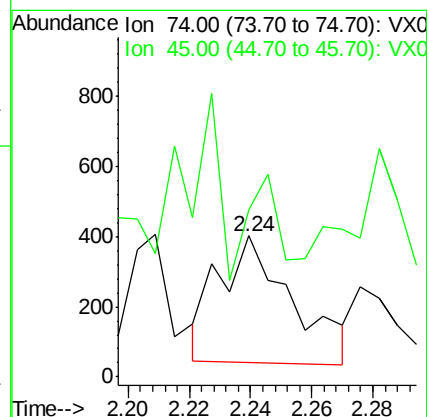
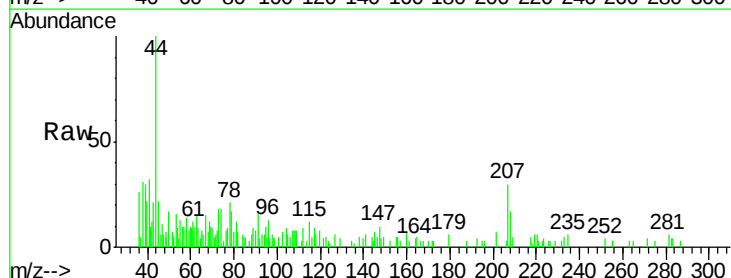
Acq: 29 Jul 2020 11:07

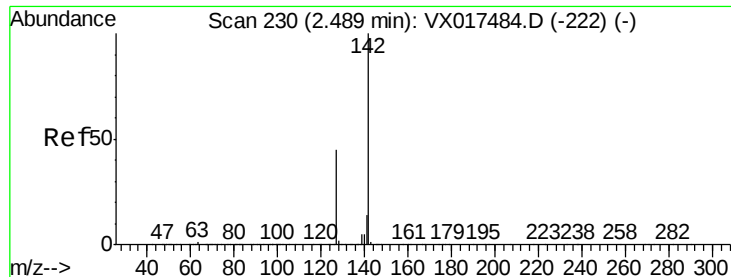
Tgt Ion: 74 Resp: 599

Ion Ratio Lower Upper

74 100

45 68.1 50.8 152.5

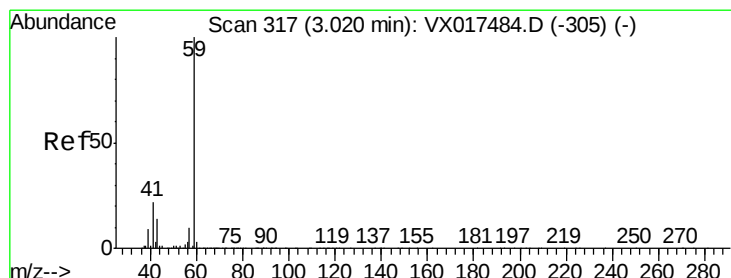
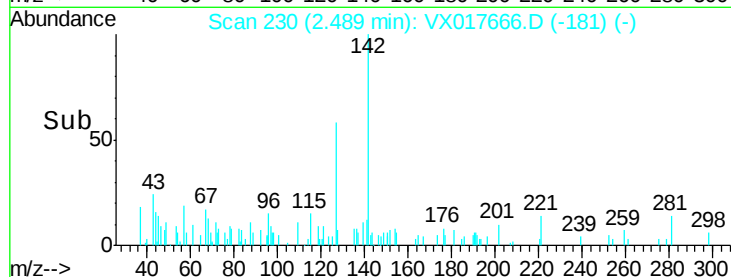
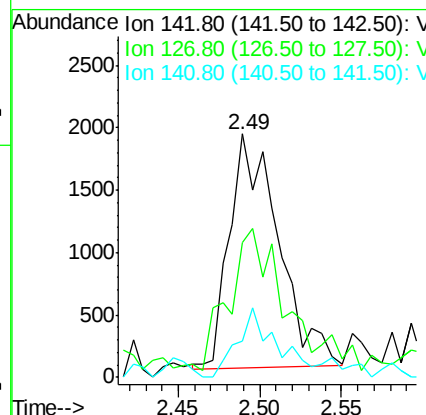
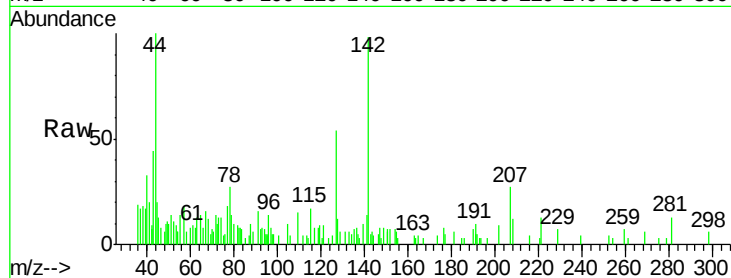




#10
Methvl Iodide
Concen: 0.553 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX017666.D
Acq: 29 Jul 2020 11:07

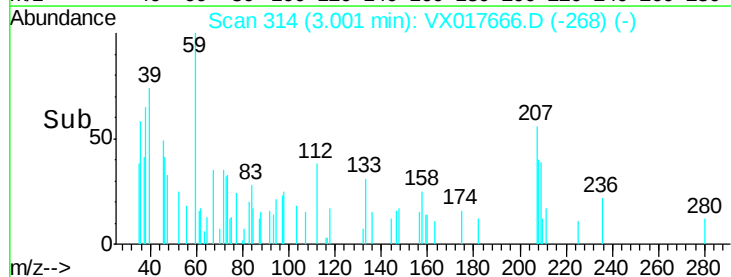
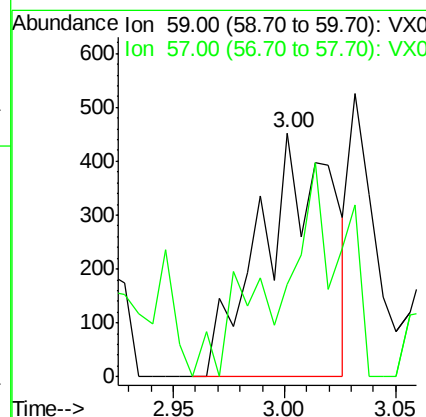
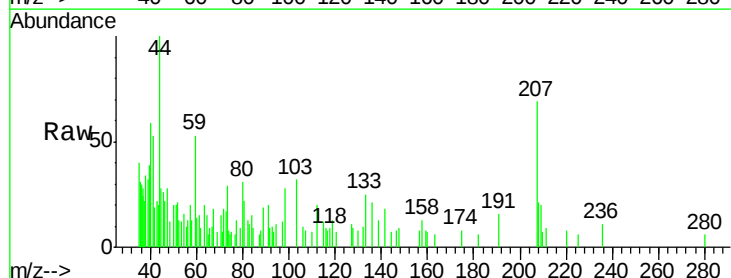
Instrument :
MSVOA_X
ClientSampled :

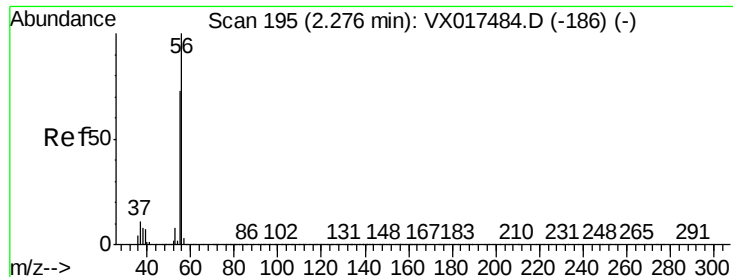
Tot Ion:142 Resp: 3940
Ion Ratio Lower Upper
142 100
127 61.4 35.9 53.9#
141 23.5 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.722 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX017666.D
Acq: 29 Jul 2020 11:07

Tgt Ion: 59 Resp: 1003
Ion Ratio Lower Upper
59 100
57 55.2 8.6 12.8#

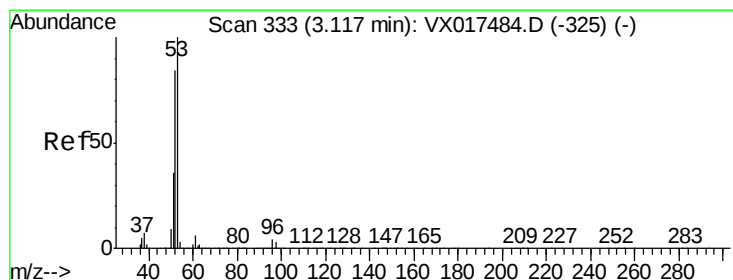
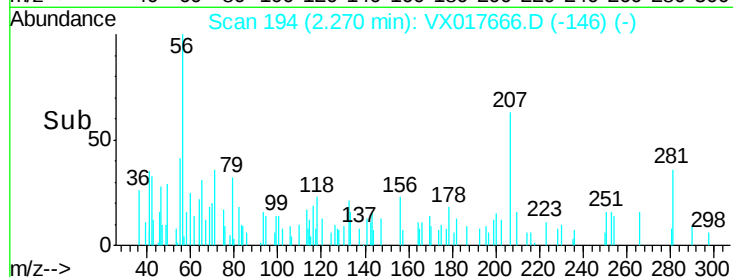
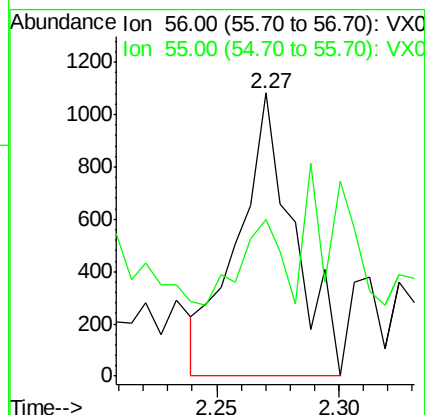
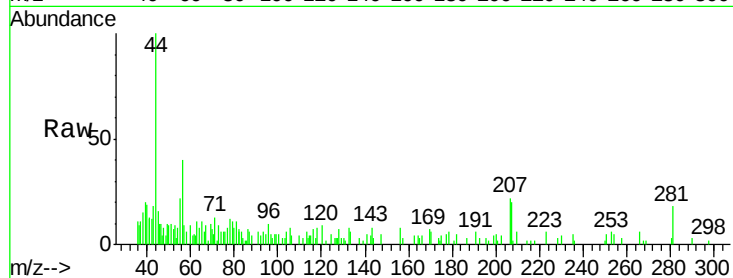




#13
Acrolein
Concen: 5.742 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX017666.D
Acq: 29 Jul 2020 11:07

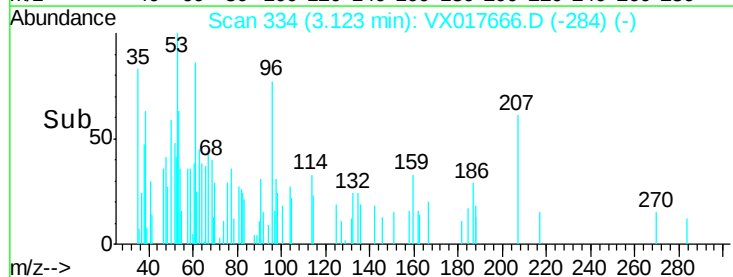
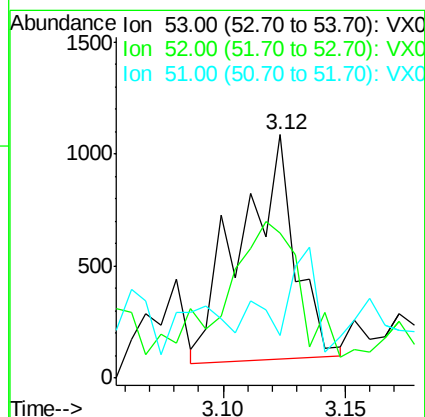
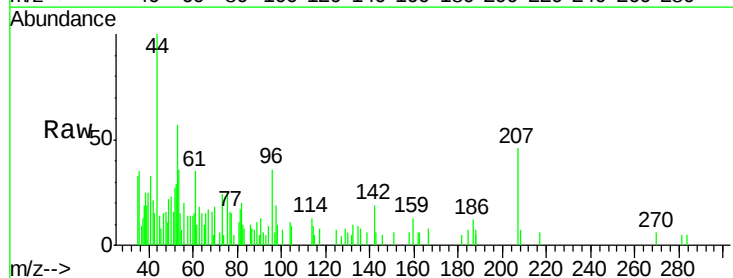
Instrument :
MSVOA_X
ClientSampled :

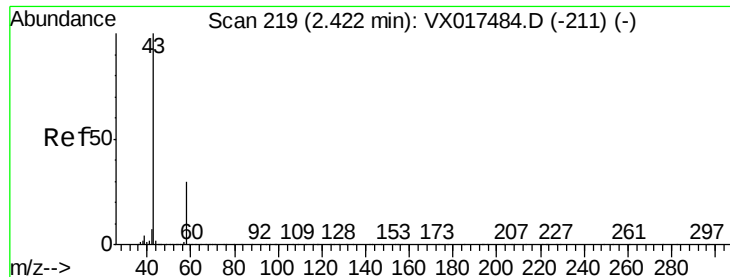
Tot Ion: 56 Resp: 1717
Ion Ratio Lower Upper
56 100
55 21.1 57.4 86.2#



#15
Acrylonitrile
Concen: 0.520 ug/l
RT: 3.12 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX017666.D
Acq: 29 Jul 2020 11:07

Tgt Ion: 53 Resp: 1559
Ion Ratio Lower Upper
53 100
52 74.3 66.6 99.8
51 22.1 29.4 44.2#





#16

Acetone

Concen: 0.410 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

Instrument :

MSVOA_X

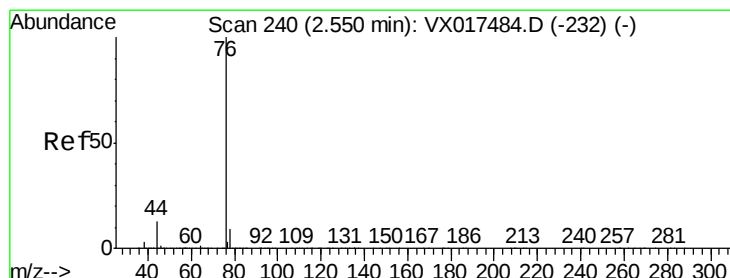
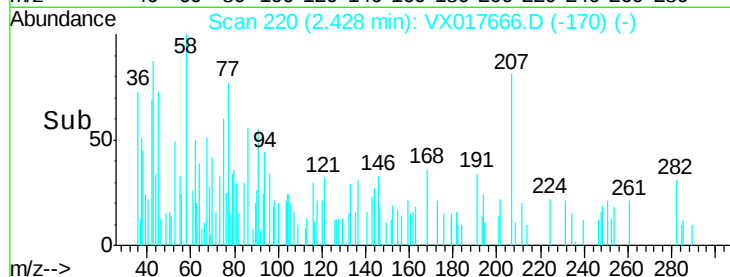
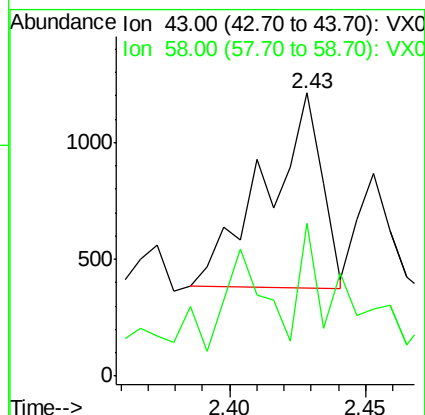
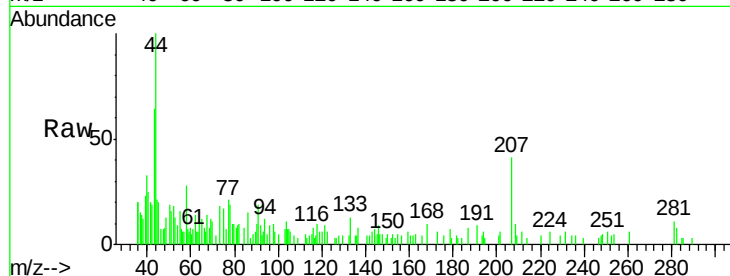
ClientSampleId :

Tot Ion: 43 Resp: 1188

Ion Ratio Lower Upper

43 100

58 42.7 24.2 36.4#



#17

Carbon Disulfide

Concen: 0.301 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017666.D

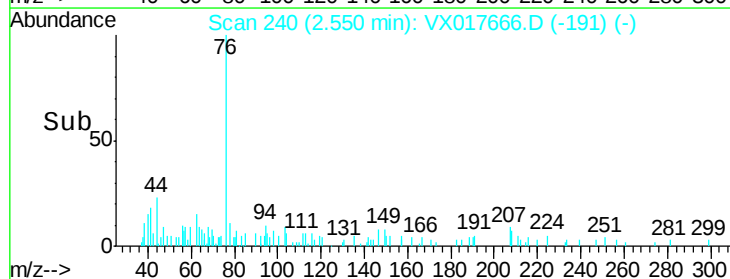
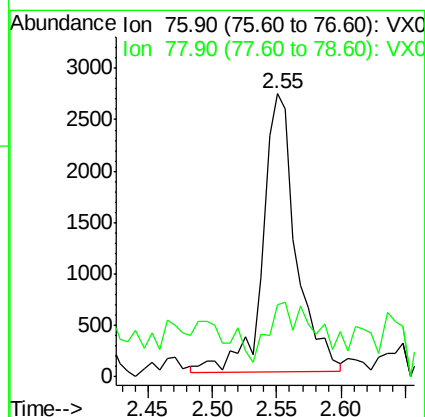
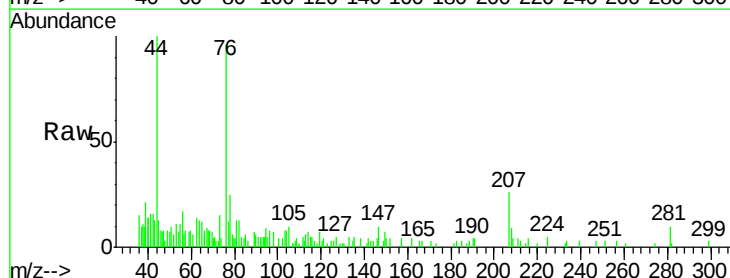
Acq: 29 Jul 2020 11:07

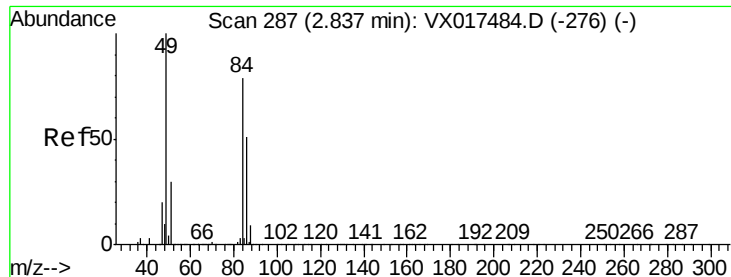
Tgt Ion: 76 Resp: 4851

Ion Ratio Lower Upper

76 100

78 11.6 7.5 11.3#

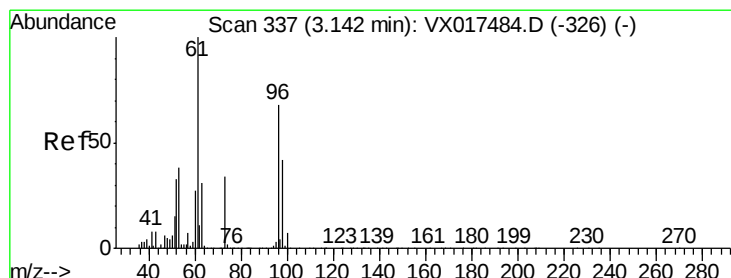
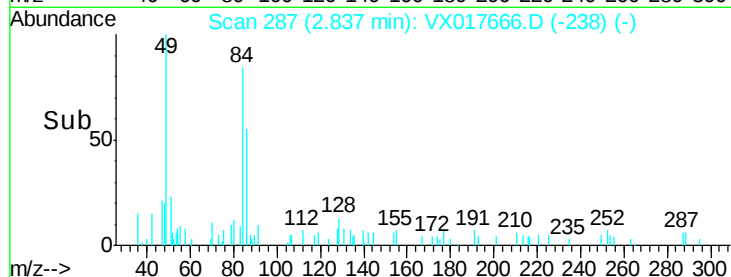
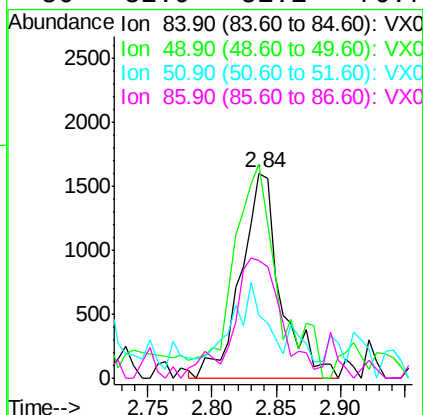
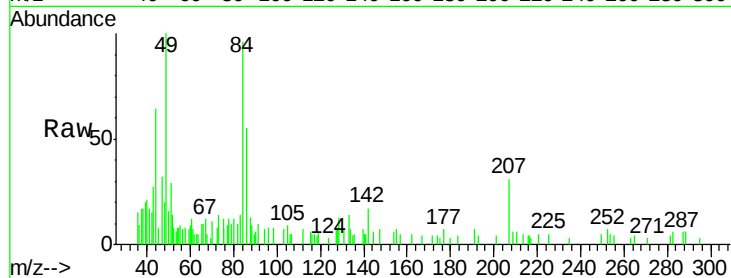




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017666.D
Acq: 29 Jul 2020 11:07

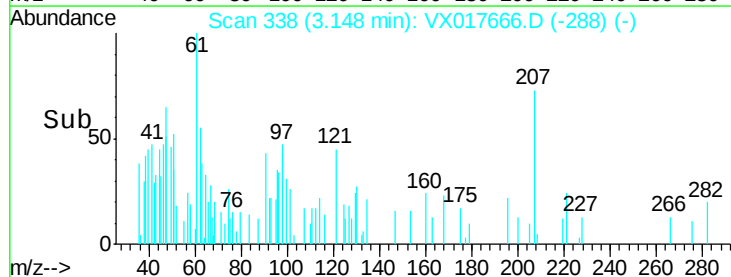
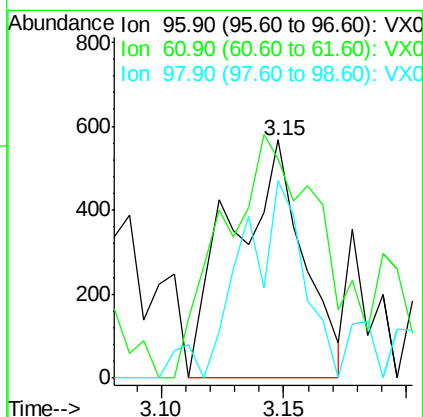
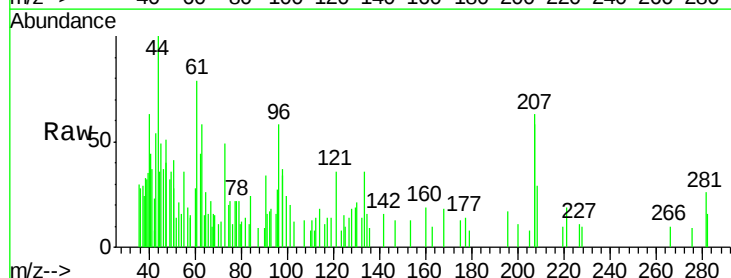
Instrument :
MSVOA_X
ClientSampleId :

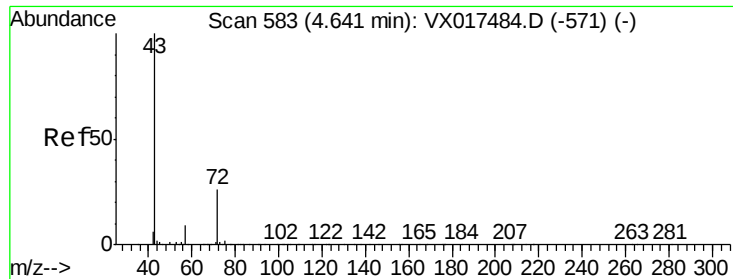
Tot Ion	84	Resp	3406
Ion	Ratio	Lower	Upper
84	100		
49	95.6	100.3	150.5#
51	20.4	30.5	45.7#
86	52.9	51.1	76.7



#21
trans-1,2-Dichloroethene
Concen: 0.204 ug/l
RT: 3.15 min Scan# 338
Delta R.T. 0.01 min
Lab File: VX017666.D
Acq: 29 Jul 2020 11:07

Tgt Ion	96	Resp	1156
Ion	Ratio	Lower	Upper
96	100		
61	66.9	113.0	169.4#
98	82.9	51.8	77.8#

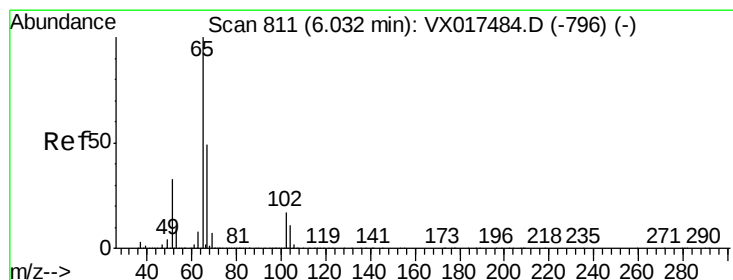
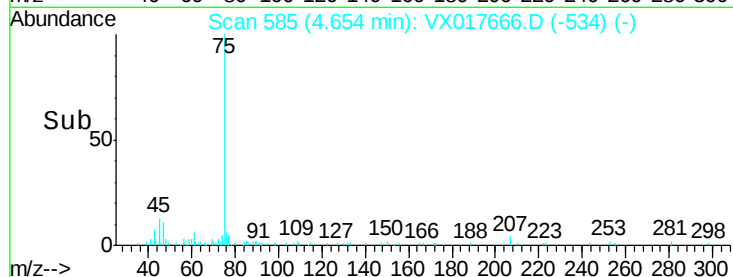
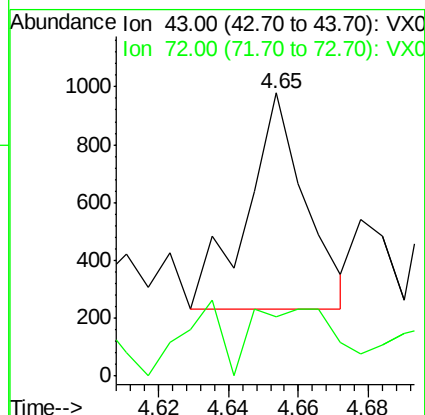
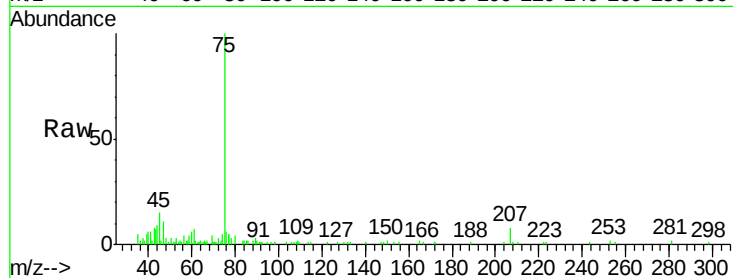




#25
2-Butanone
Concen: 0.209 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX017666.D
Acq: 29 Jul 2020 11:07

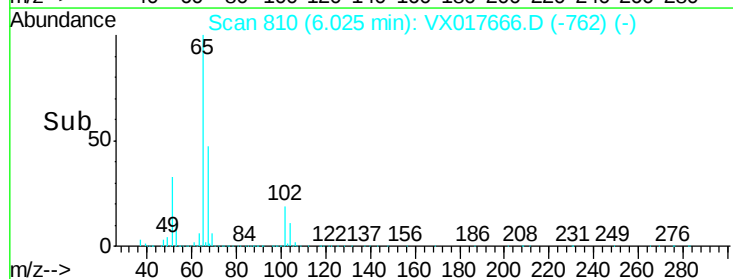
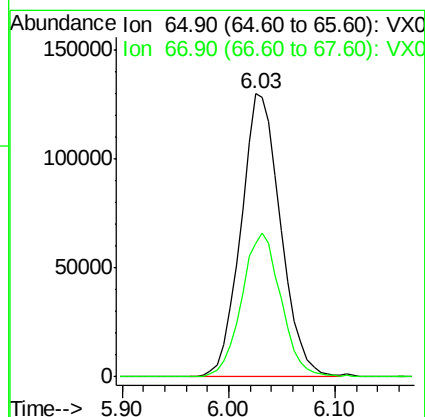
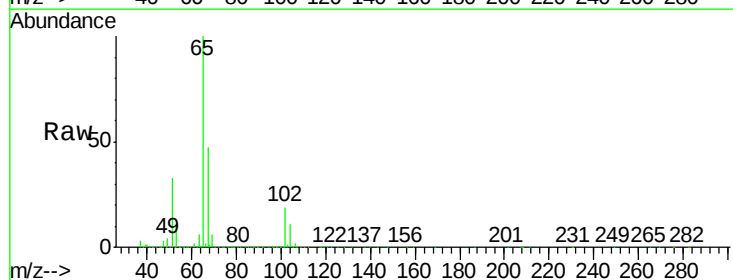
Instrument :
MSVOA_X
ClientSampleId :

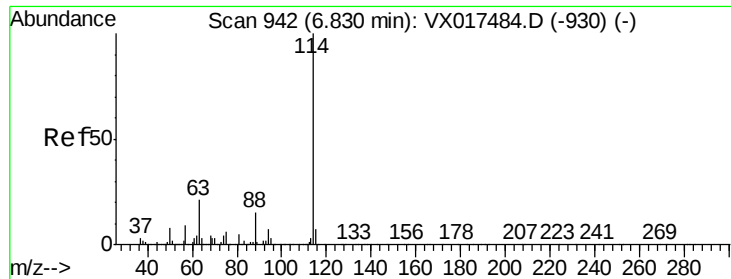
Tot Ion: 43 Resp: 859
Ion Ratio Lower Upper
43 100
72 11.9 19.0 28.4#



#33
1,2-Dichloroethane-d4
Concen: 51.452 ug/l
RT: 6.03 min Scan# 810
Delta R.T. -0.01 min
Lab File: VX017666.D
Acq: 29 Jul 2020 11:07

Tgt Ion: 65 Resp: 338926
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

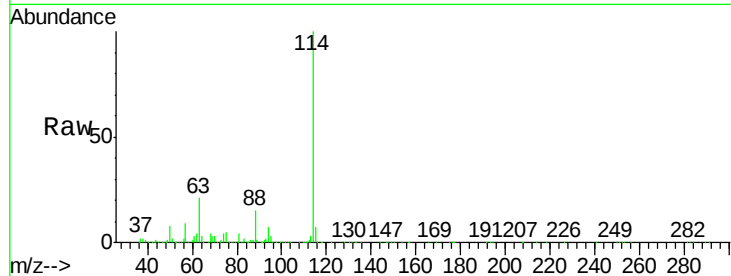
Tot Ion:114 Resp: 830019

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.6

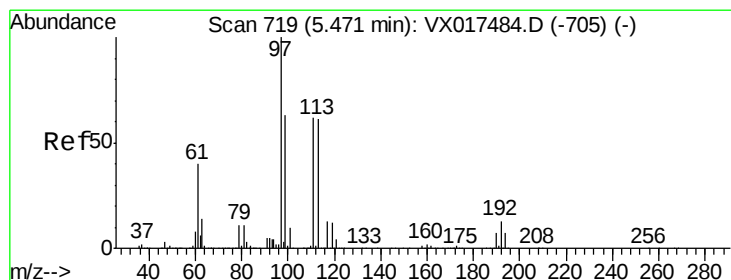
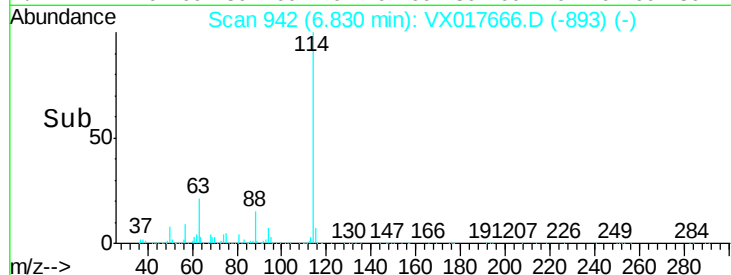
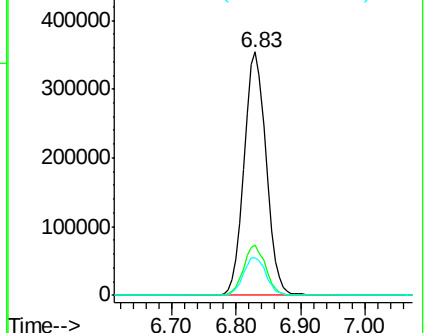
88 15.4 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 52.071 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

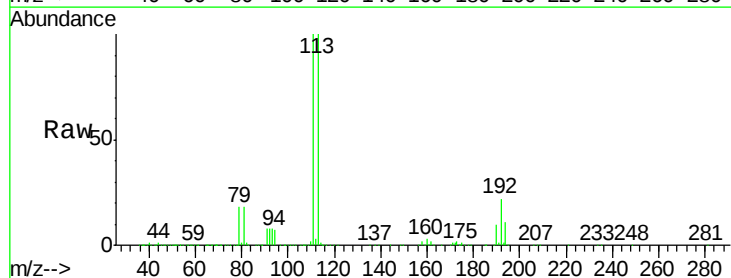
Tgt Ion:113 Resp: 289059

Ion Ratio Lower Upper

113 100

111 100.9 80.7 121.1

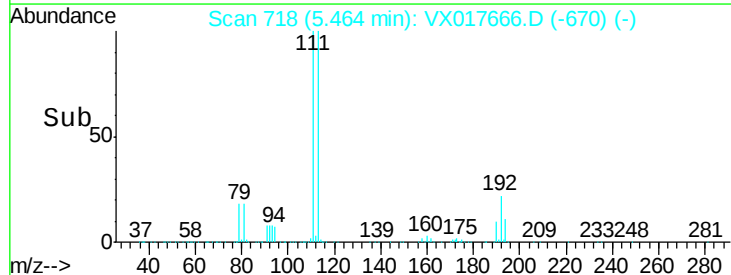
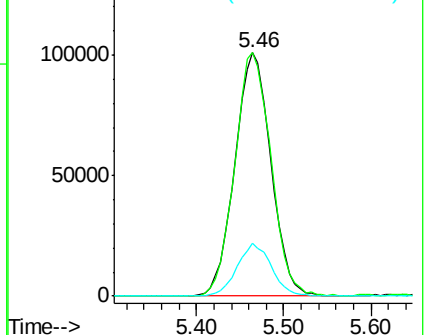
192 20.8 16.9 25.3

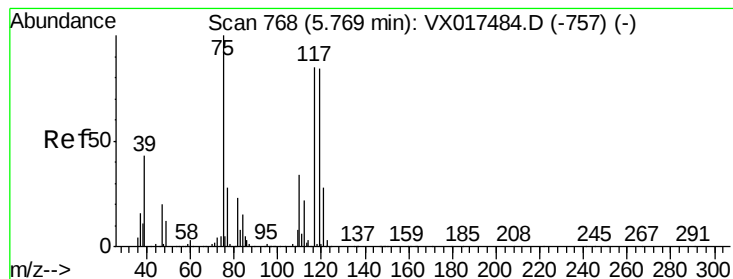


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.803 ug/l

RT: 5.63 min Scan# 745

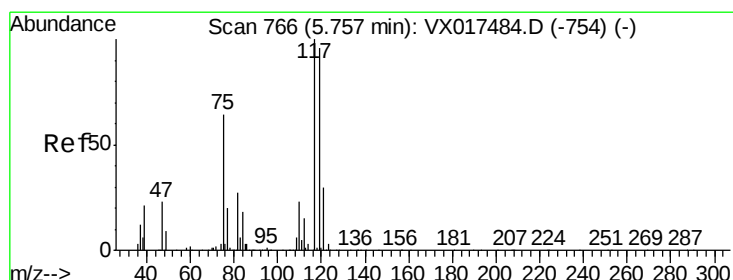
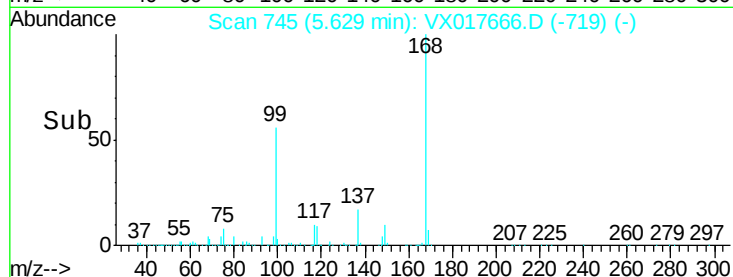
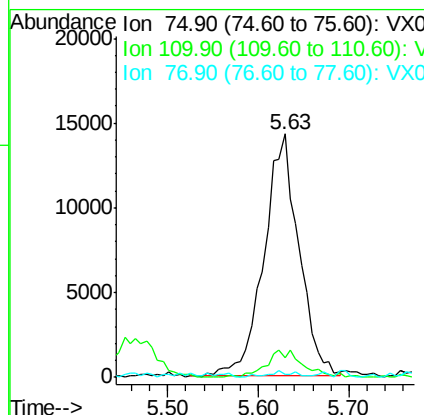
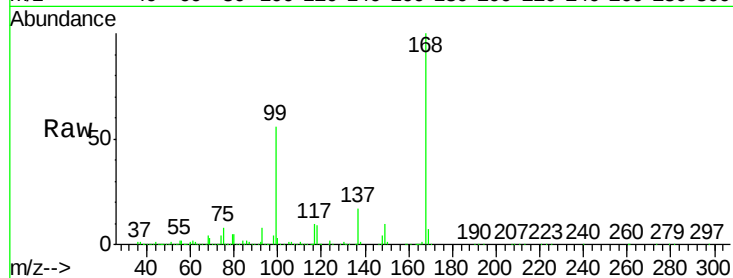
Delta R.T. -0.14 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	38231
Ion	Ratio	Lower	Upper
75	100		
110	11.5	18.1	54.3#
77	1.4	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 5.265 ug/l

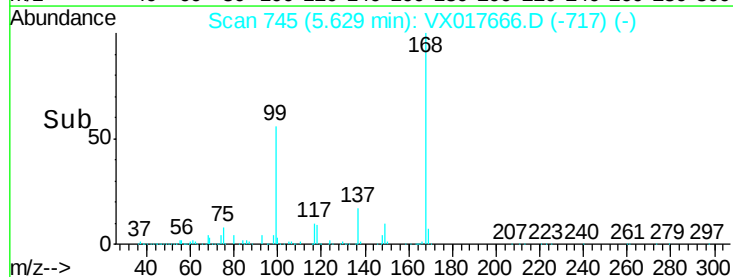
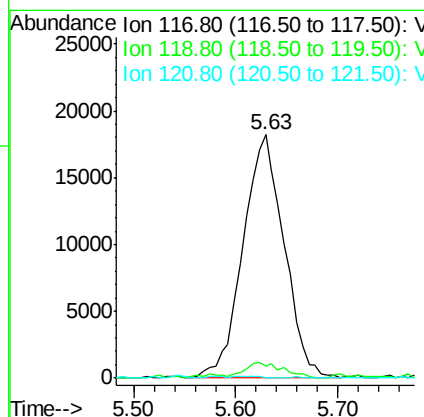
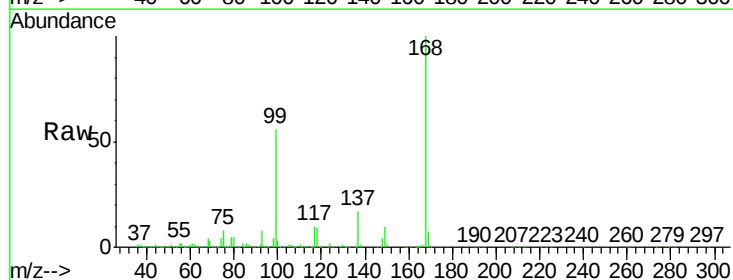
RT: 5.63 min Scan# 745

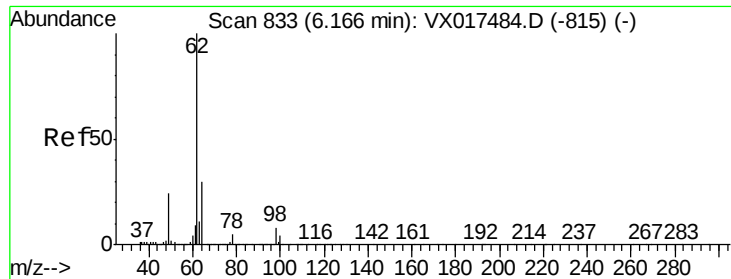
Delta R.T. -0.13 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

Tgt Ion:	117	Resp:	50894
Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.4	113.0#
121	0.0	24.3	36.5#





#42

1,2-Dichloroethane

Concen: 0.221 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

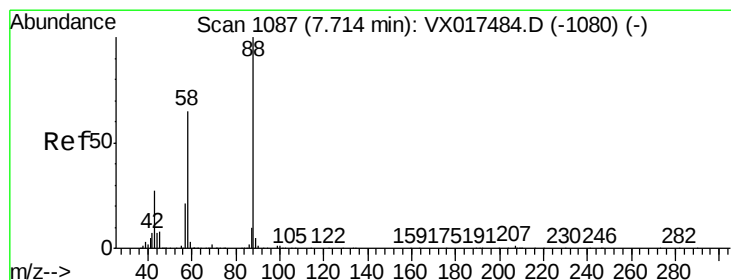
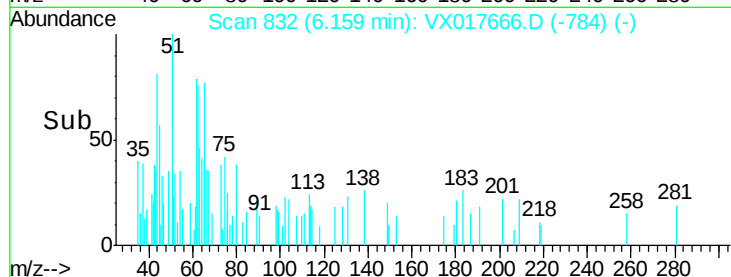
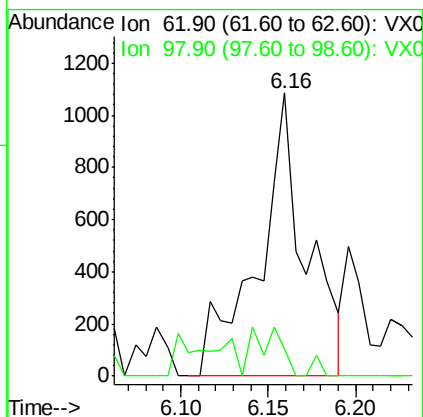
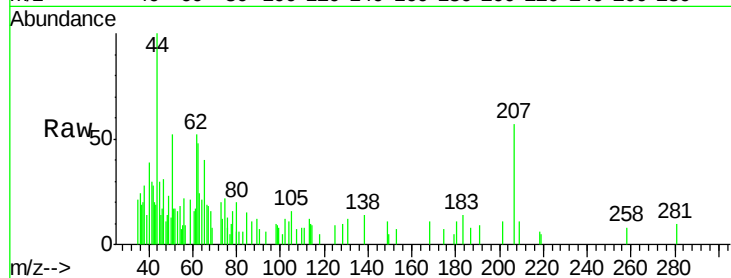
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 62 Resp: 2063

Ion Ratio Lower Upper

62 100

98 9.9 0.0 16.0



#49

1,4-Dioxane

Concen: 0.388 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

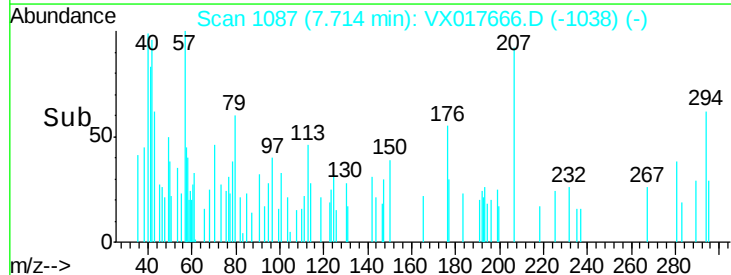
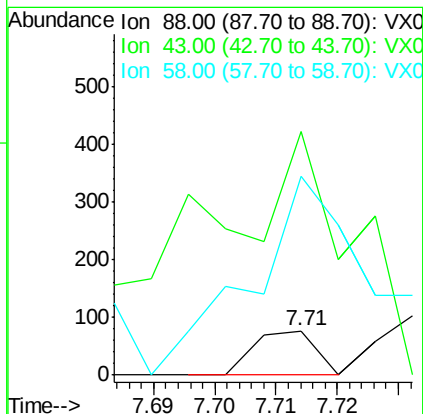
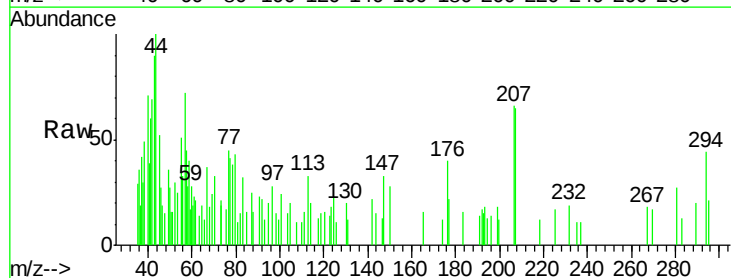
Tgt Ion: 88 Resp: 53

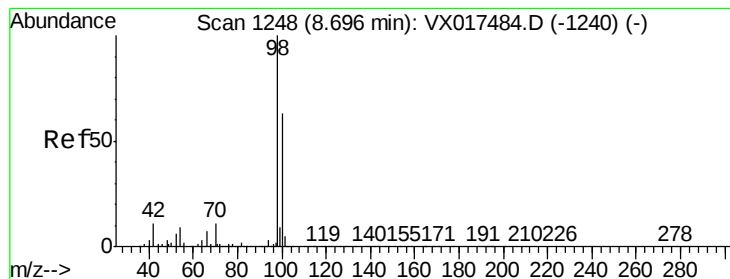
Ion Ratio Lower Upper

88 100

43 1392.5 27.8 41.6#

58 767.9 58.3 87.5#





#50

Toluene-d8

Concen: 51.941 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

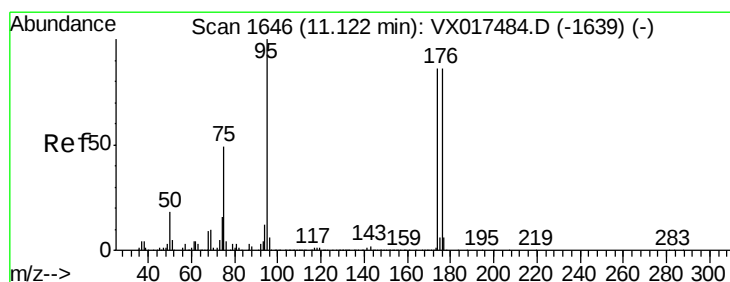
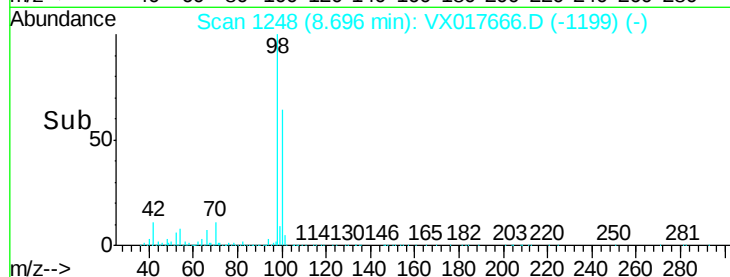
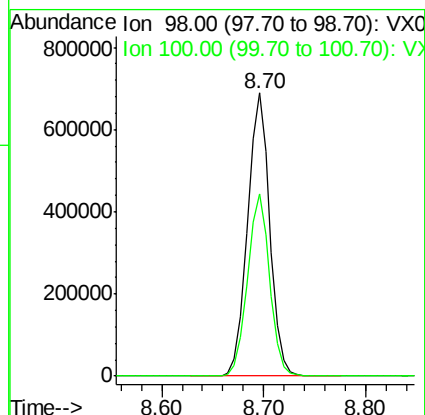
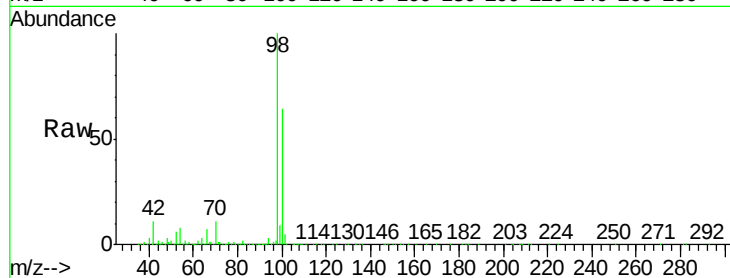
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 1040172

Ion Ratio Lower Upper

98 100

100 63.9 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 54.277 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

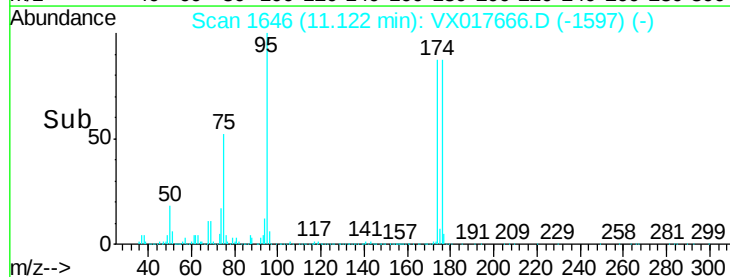
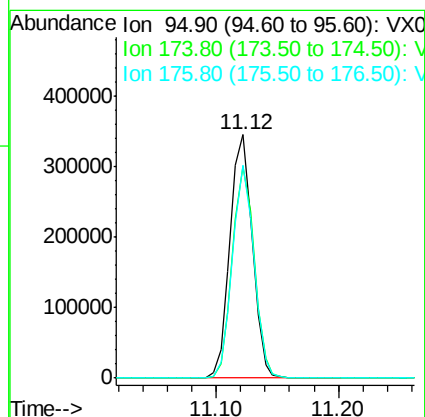
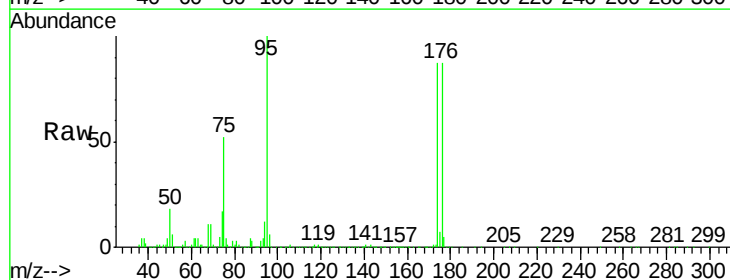
Tgt Ion: 95 Resp: 434994

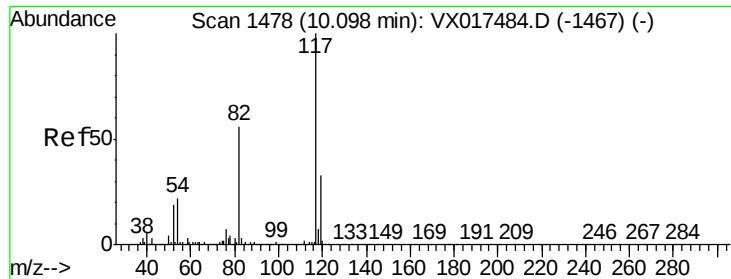
Ion Ratio Lower Upper

95 100

174 85.8 0.0 169.0

176 84.2 0.0 161.0

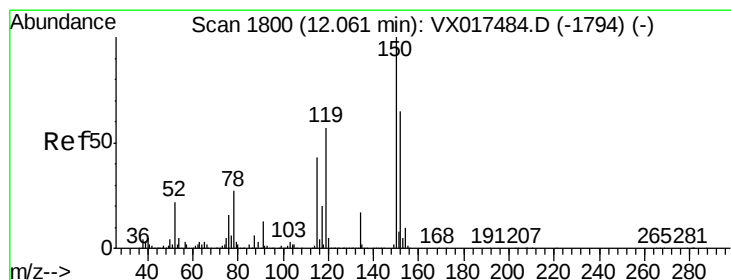
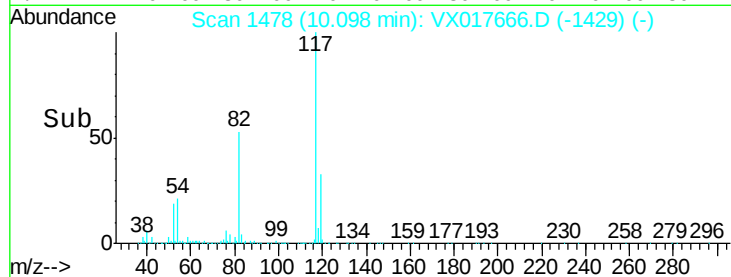
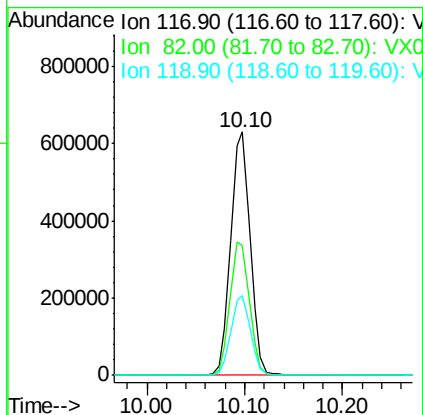
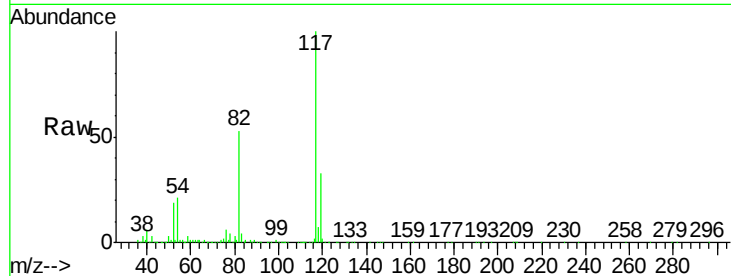




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017666.D
Acq: 29 Jul 2020 11:07

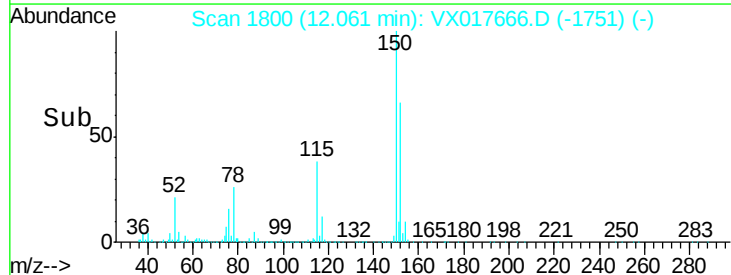
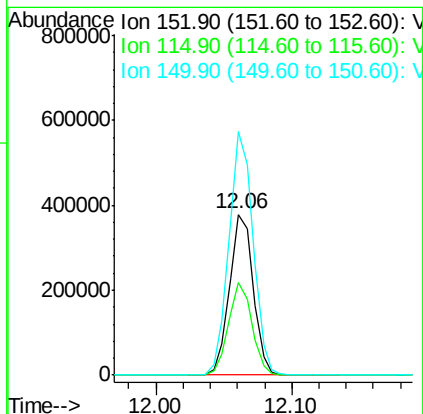
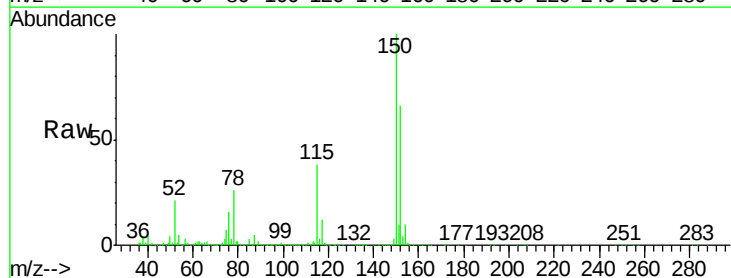
Instrument :
MSVOA_X
ClientSampleId :

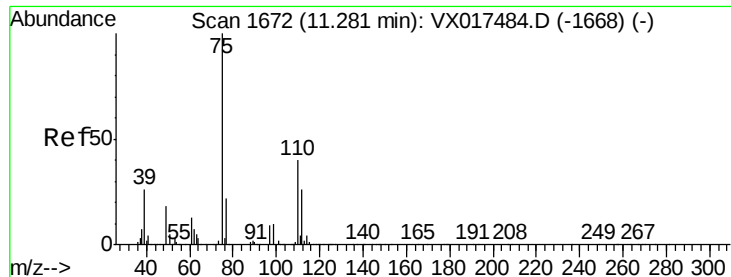
Tot Ion:117 Resp: 873273
Ion Ratio Lower Upper
117 100
82 53.2 44.0 66.0
119 33.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017666.D
Acq: 29 Jul 2020 11:07

Tgt Ion:152 Resp: 461850
Ion Ratio Lower Upper
152 100
115 56.6 65.5 196.6#
150 153.5 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 23.721 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

Instrument :

MSVOA_X

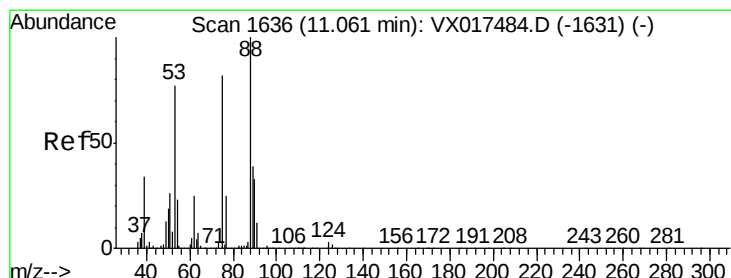
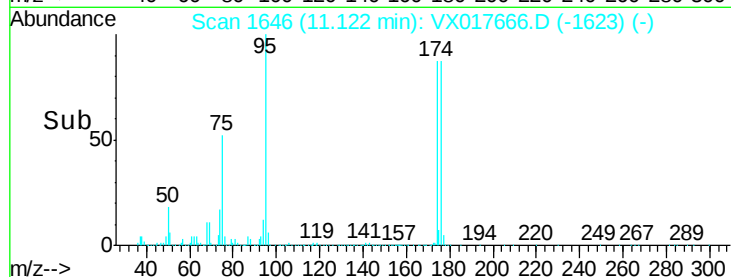
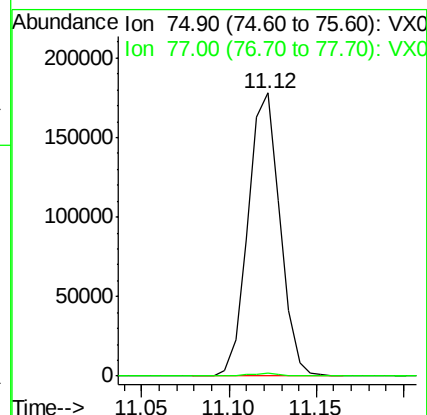
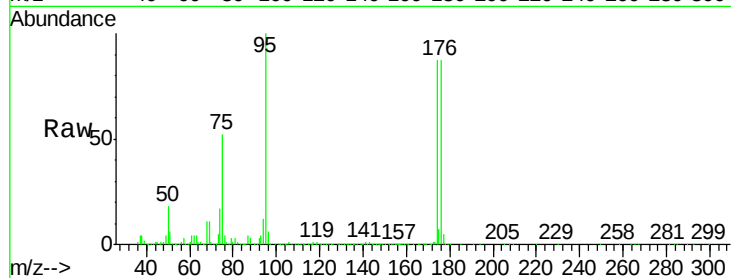
ClientSampleId :

Tot Ion: 75 Resp: 225364

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.773 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

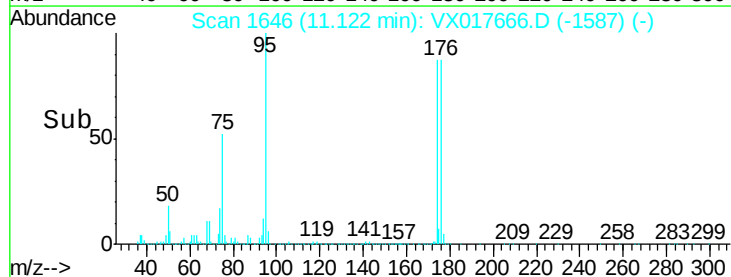
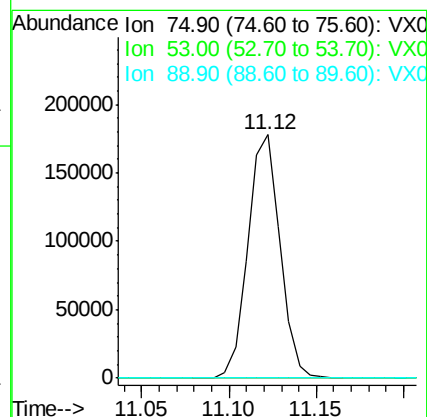
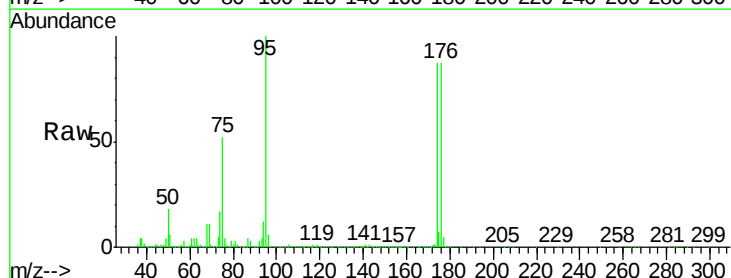
Tgt Ion: 75 Resp: 225364

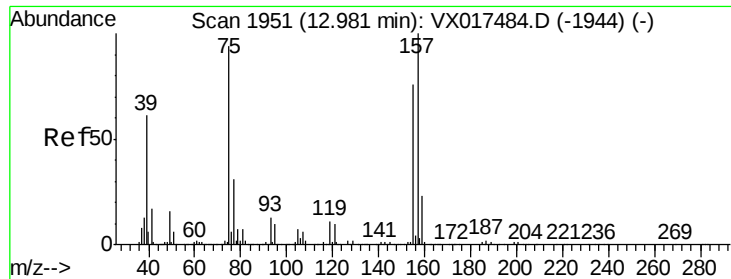
Ion Ratio Lower Upper

75 100

53 0.6 75.9 113.9#

89 0.1 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.652 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

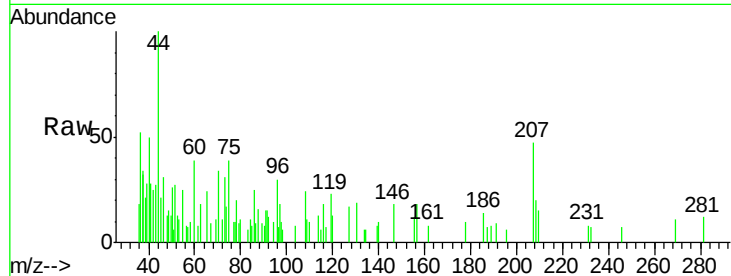
Instrument :

MSVOA_X

ClientSampled :

Tot Ion: 75 Resp: 223

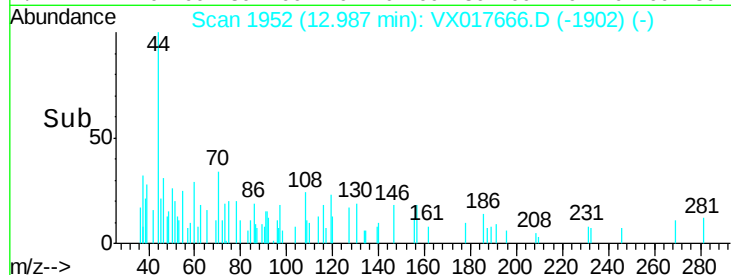
Ion	Ratio	Lower	Upper
75	100		
155	57.4	42.3	126.8
157	73.1	54.3	162.9



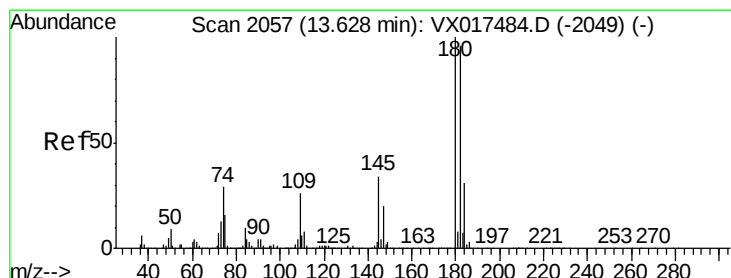
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.234 ug/l

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

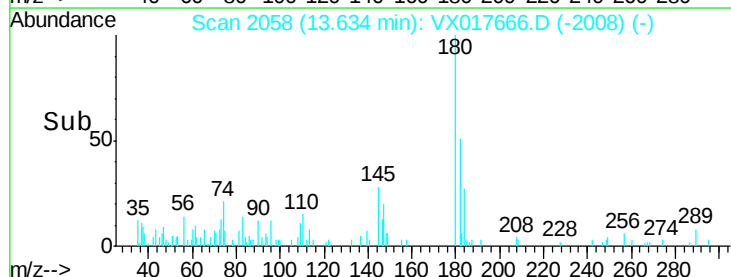
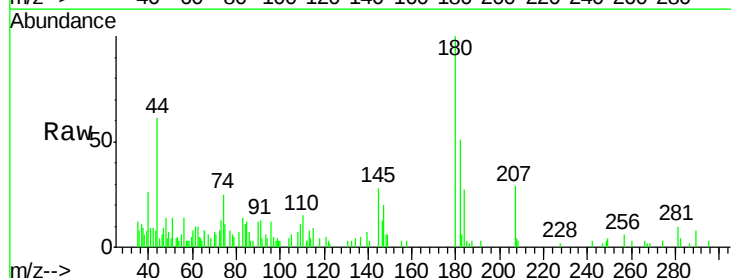
Tgt Ion: 180 Resp: 2388

Ion	Ratio	Lower	Upper
180	100		
182	77.3	47.5	142.6
145	40.1	15.4	46.4

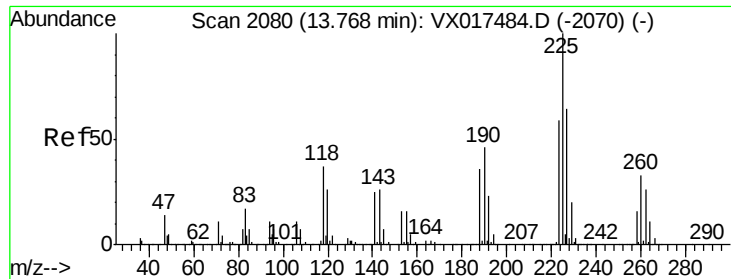
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#94

Hexachlorobutadiene

Concen: 0.248 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX017666.D

Acq: 29 Jul 2020 11:07

Instrument :

MSVOA_X

ClientSampleId :

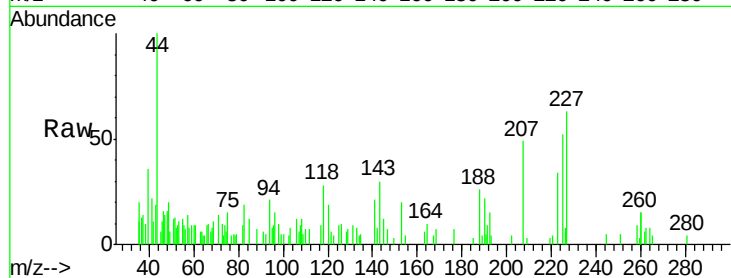
Tot Ion:225 Resp: 1167

Ion Ratio Lower Upper

225 100

223 70.0 30.3 90.9

227 70.0 31.1 93.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

