

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017716.D
 Acq On : 31 Jul 2020 21:57
 Operator : JC/SP
 Sample : VX0731WBL03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBL03

Quant Time: Aug 01 02:53:34 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	5.64	168	463279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	760982	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	789274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	404098	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	318401	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	
35) Dibromofluoromethane	5.47	113	268039	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
50) Toluene-d8	8.70	98	945258	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.12	95	403672	54.94	ug/l	0.00
Spiked Amount			Recovery	=	109.88%	

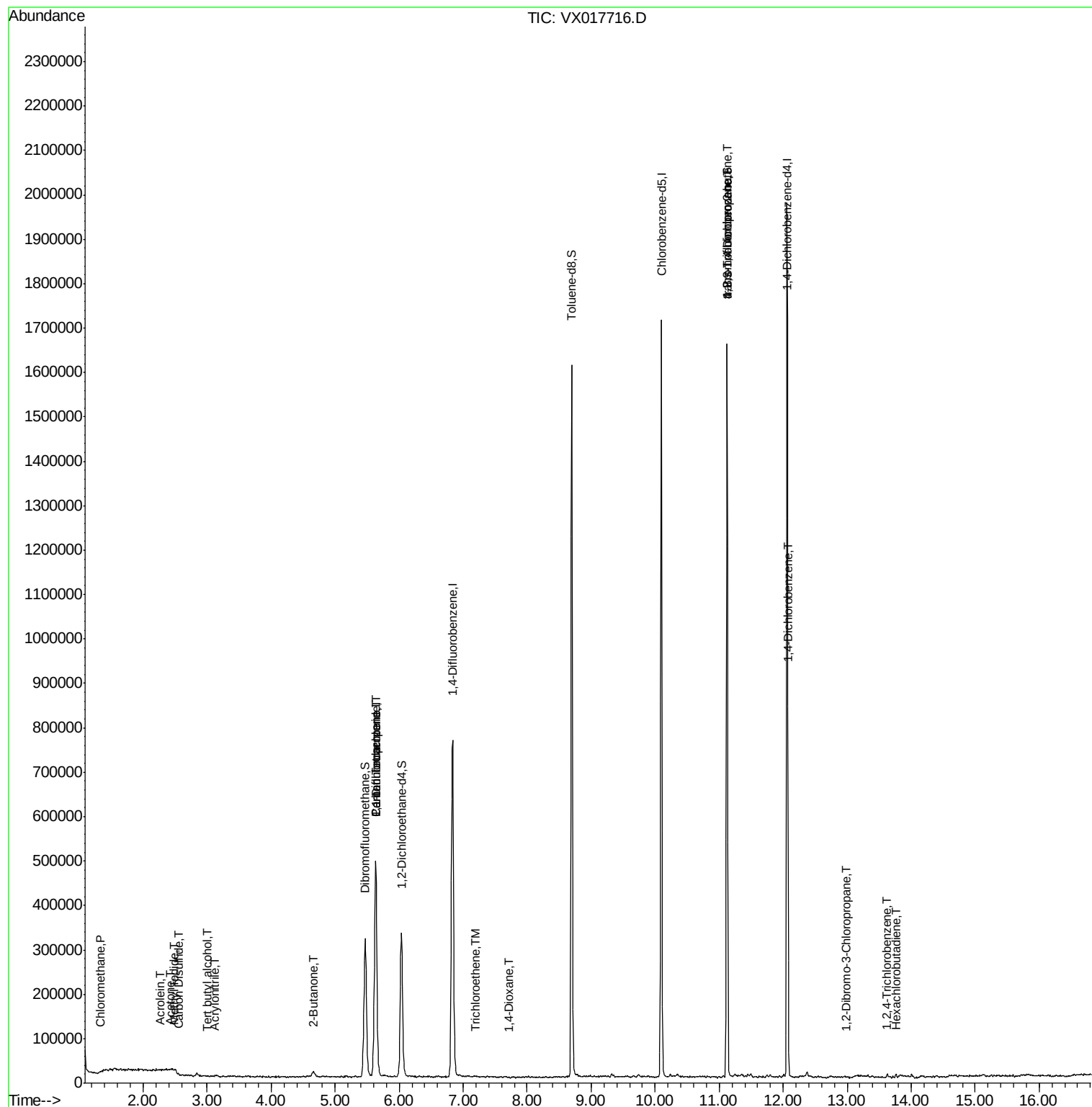
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	752	Below Cal		93
3) Chloromethane	1.32	50	1921	0.700 ug/l #		76
5) Bromomethane	1.61	94	159	Below Cal #		15
6) Chloroethane	1.72	64	432	Below Cal #		44
8) Diethyl Ether	2.13	74	197	Below Cal		72
10) Methyl Iodide	2.49	142	1884	0.293 ug/l		90
11) Tert butyl alcohol	3.00	59	480	0.383 ug/l #		1
13) Acrolein	2.28	56	915	5.088 ug/l #		47
15) Acrylonitrile	3.12	53	726	0.268 ug/l #		12
16) Acetone	2.42	43	1303	0.497 ug/l #		74
17) Carbon Disulfide	2.55	76	4085	0.281 ug/l		100
20) Methylene Chloride	2.83	84	3741	Below Cal #		63
25) 2-Butanone	4.66	43	1558	0.419 ug/l #		69
36) 1,1-Dichloropropene	5.63	75	33293	4.562 ug/l #		53
38) Carbon Tetrachloride	5.64	117	44876	5.063 ug/l #		17
44) Trichloroethene	7.20	130	1260	0.206 ug/l		67
49) 1,4-Dioxane	7.71	88	122	0.974 ug/l #		1
76) 1,2,3-Trichloropropane	11.12	75	205258	24.693 ug/l #		35
81) trans-1,4-Dichloro-2-buten	11.12	75	205258	62.220 ug/l #		11
88) 1,4-Dichlorobenzene	12.08	146	2780	0.201 ug/l #		1
92) 1,2-Dibromo-3-Chloropropan	12.98	75	96	2.614 ug/l		63
93) 1,2,4-Trichlorobenzene	13.62	180	1904	0.213 ug/l		90
94) Hexachlorobutadiene	13.77	225	1229	0.299 ug/l		84

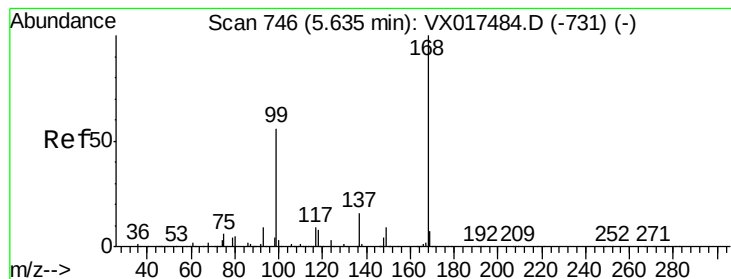
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073120\
Data File : VX017716.D
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Instrument :
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ClientSampleId :
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Quant Time: Aug 01 02:53:34 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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

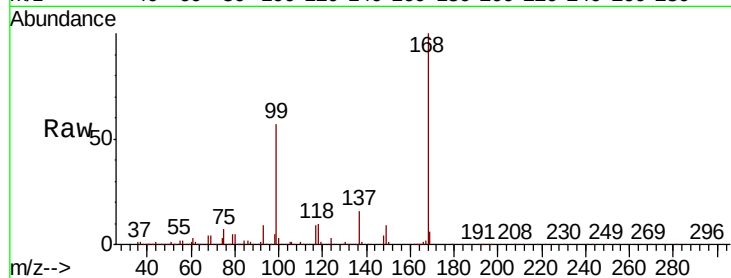
VX0731WBL03

Tot Ion:168 Resp: 463279

Ion Ratio Lower Upper

168 100

99 56.8 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

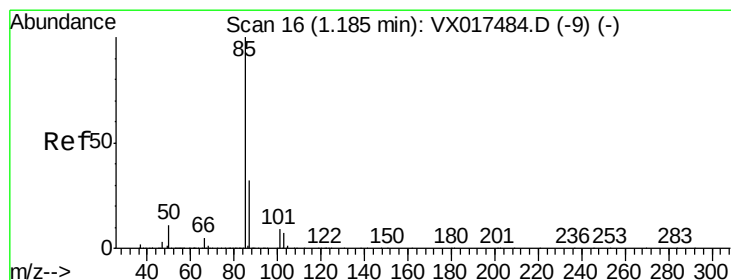
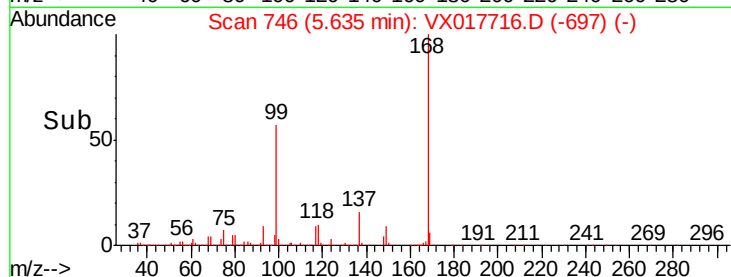
100000

50000

0

5.50 5.60 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017716.D

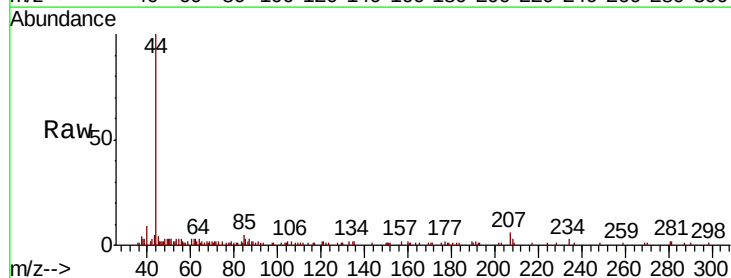
Acq: 31 Jul 2020 21:57

Tgt Ion: 85 Resp: 752

Ion Ratio Lower Upper

85 100

87 28.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

600

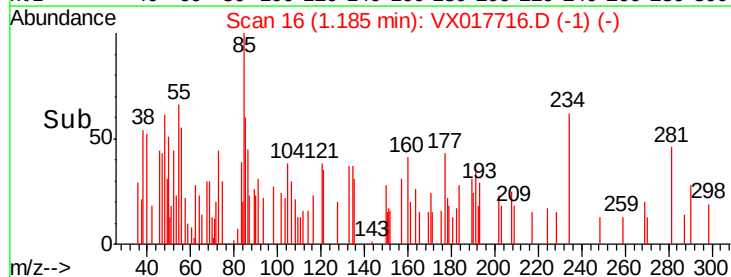
400

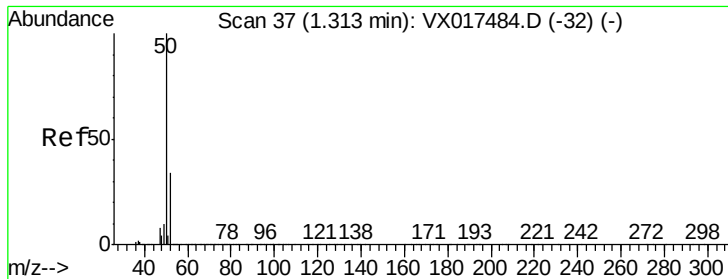
200

0

1.15 1.20

Time-->





#3

Chloromethane

Concen: 0.700 ug/l

RT: 1.32 min Scan# 39

Delta R.T. 0.01 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

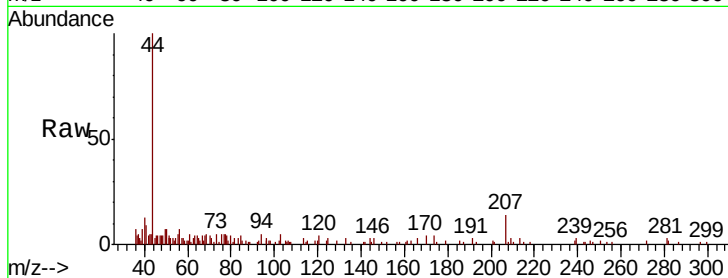
VX0731WBL03

Tot Ion: 50 Resp: 1921

Ion Ratio Lower Upper

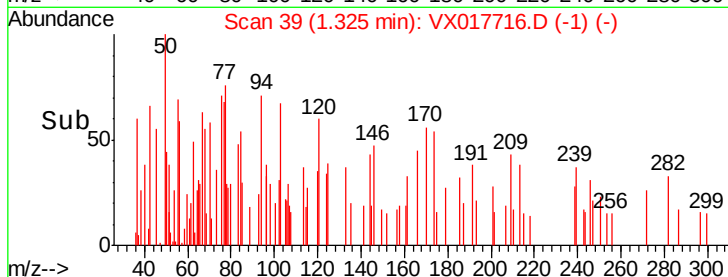
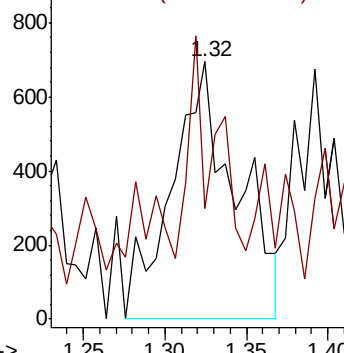
50 100

52 18.7 25.9 38.9#

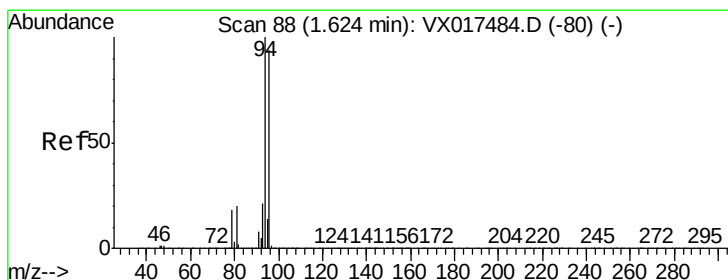


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 86

Delta R.T. -0.01 min

Lab File: VX017716.D

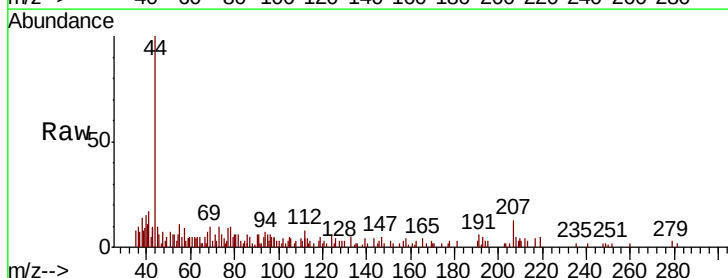
Acq: 31 Jul 2020 21:57

Tgt Ion: 94 Resp: 159

Ion Ratio Lower Upper

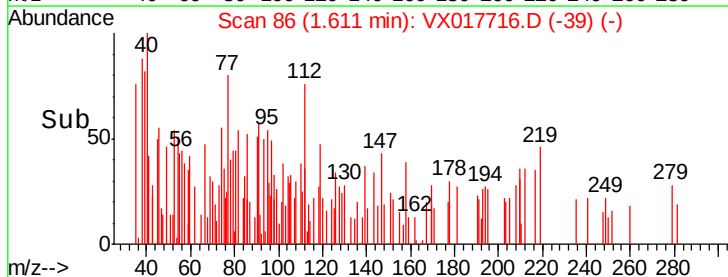
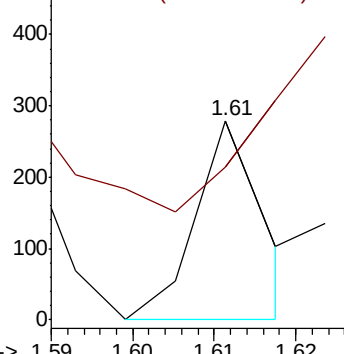
94 100

96 11.5 74.1 111.1#

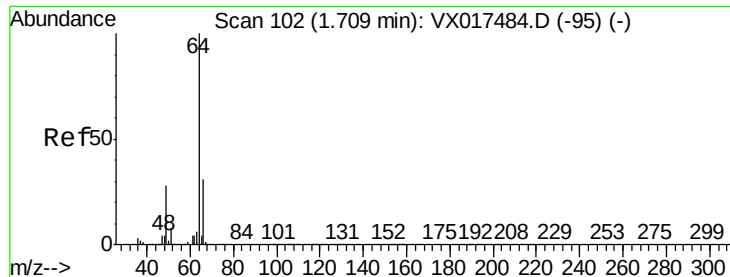


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 104

Delta R.T. 0.01 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

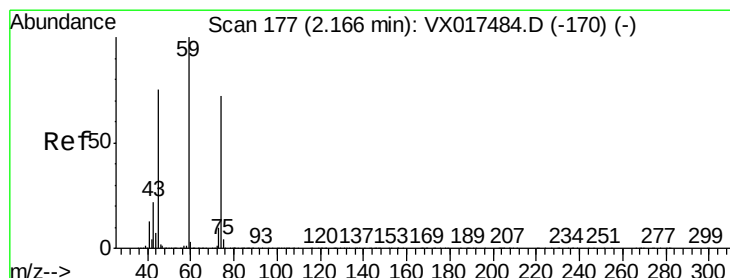
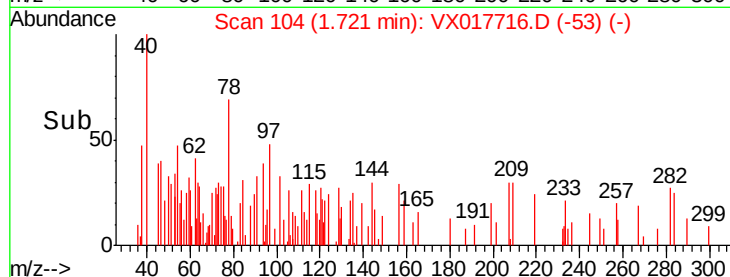
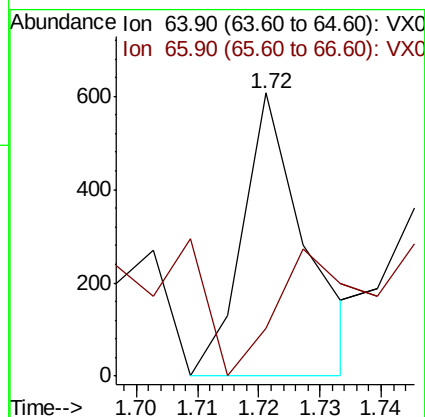
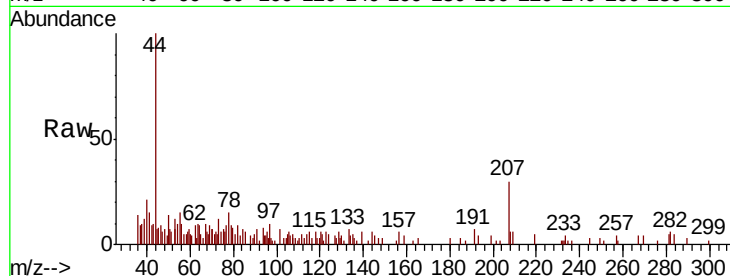
VX0731WBL03

Tot Ion: 64 Resp: 432

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.13 min Scan# 171

Delta R.T. -0.04 min

Lab File: VX017716.D

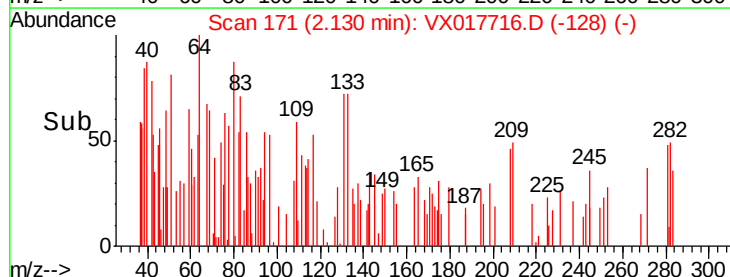
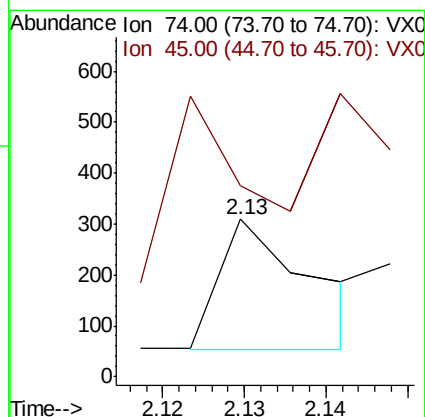
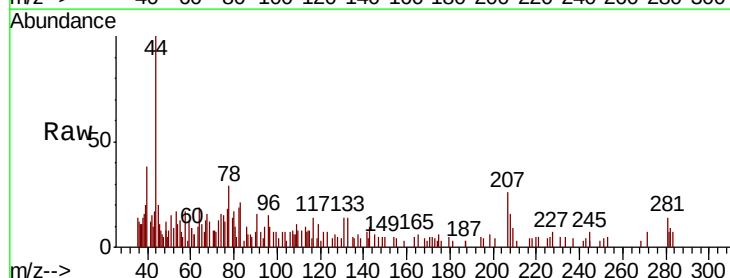
Acq: 31 Jul 2020 21:57

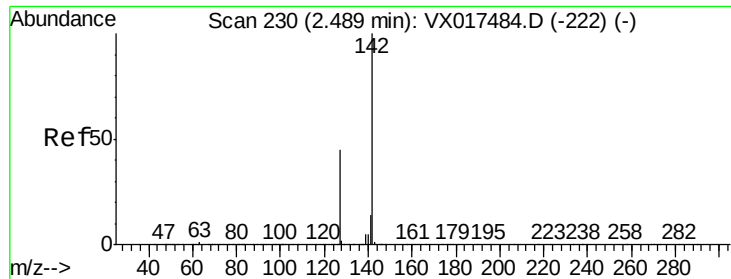
Tgt Ion: 74 Resp: 197

Ion Ratio Lower Upper

74 100

45 130.5 50.8 152.5

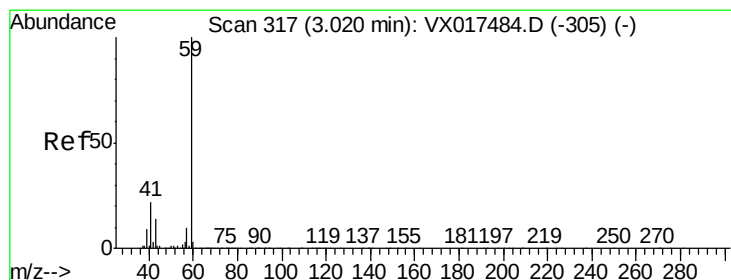
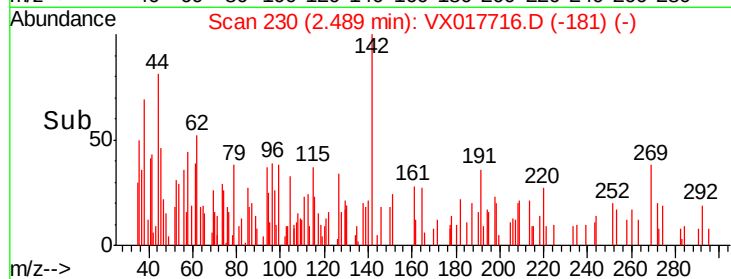
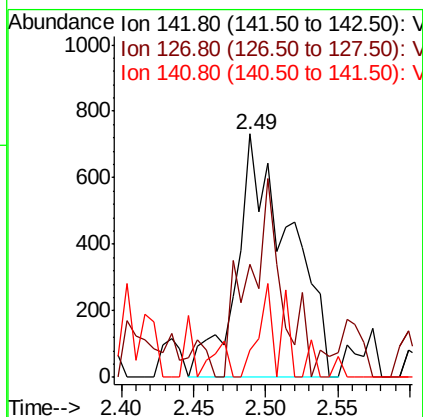
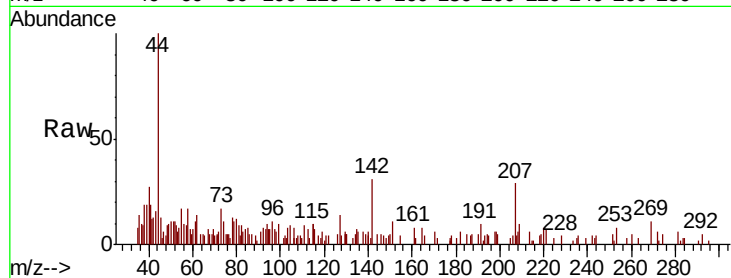




#10
Methvl Iodide
Concen: 0.293 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.00 min
Lab File: VX017716.D
Acq: 31 Jul 2020 21:57

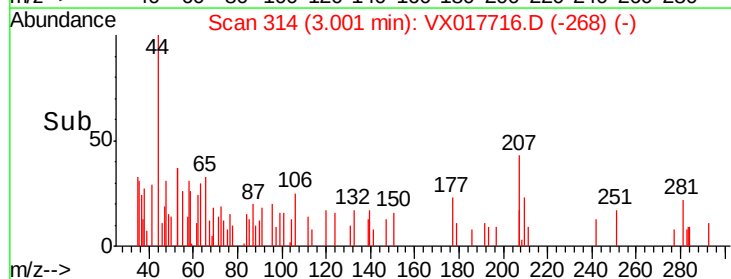
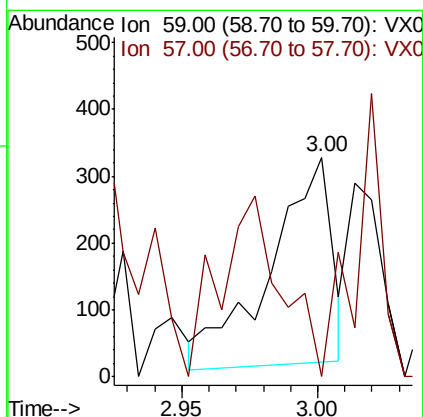
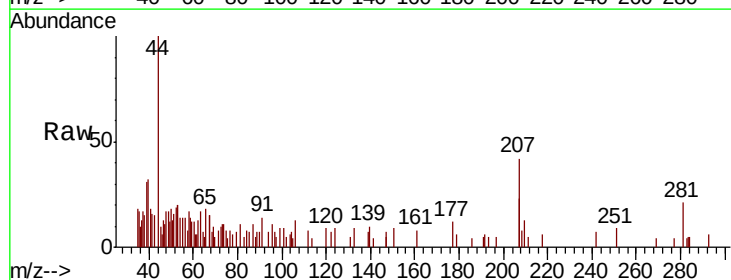
Instrument :
MSVOA_X
ClientSampleId :
VX0731WBL03

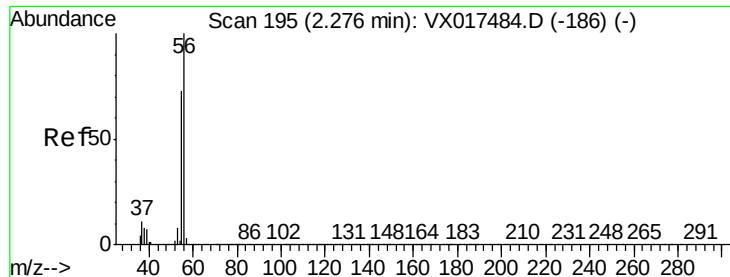
Tot Ion:142 Resp: 1884
Ion Ratio Lower Upper
142 100
127 53.7 35.9 53.9
141 14.5 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.383 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX017716.D
Acq: 31 Jul 2020 21:57

Tgt Ion: 59 Resp: 480
Ion Ratio Lower Upper
59 100
57 59.4 8.6 12.8#





#13

Acrolein

Concen: 5.088 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

Instrument :

MSVOA_X

ClientSampled :

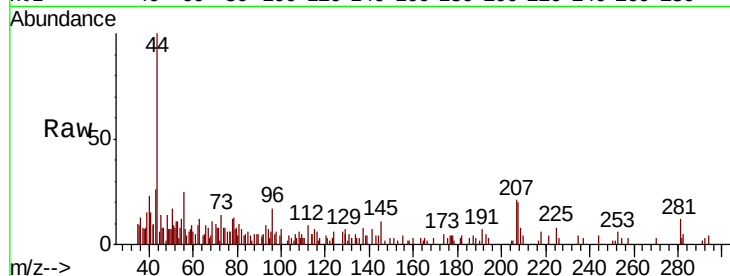
VX0731WBL03

Tot Ion: 56 Resp: 915

Ion Ratio Lower Upper

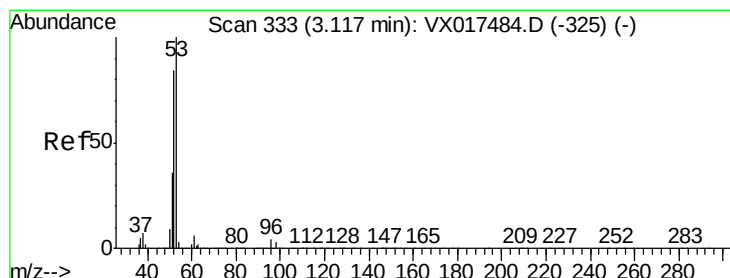
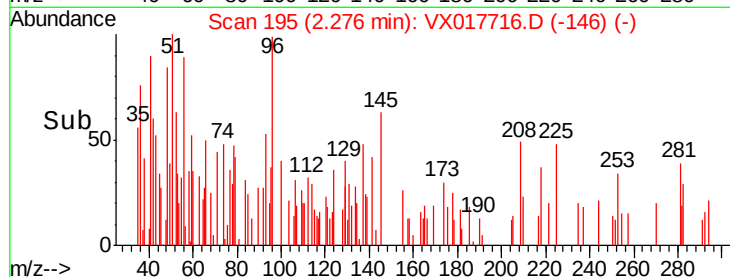
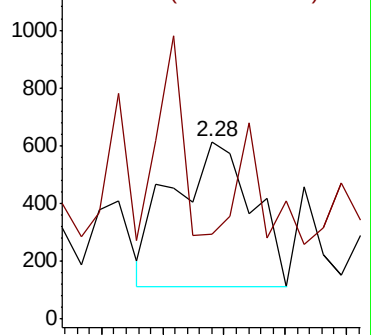
56 100

55 27.7 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.268 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

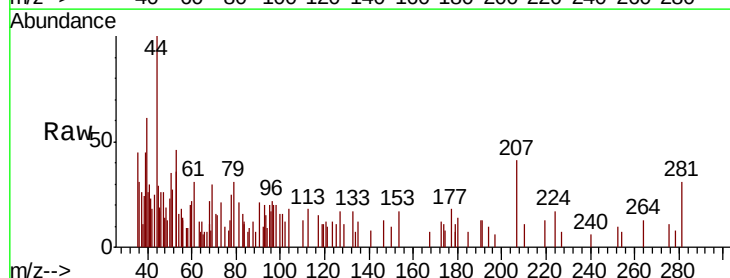
Tgt Ion: 53 Resp: 726

Ion Ratio Lower Upper

53 100

52 47.4 66.6 99.8#

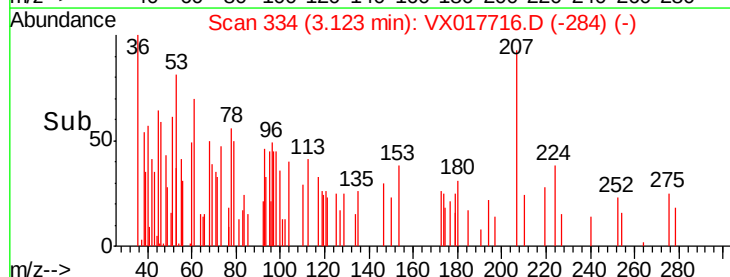
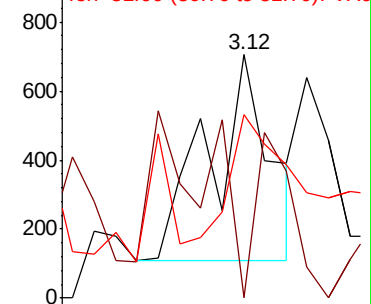
51 154.4 29.4 44.2#

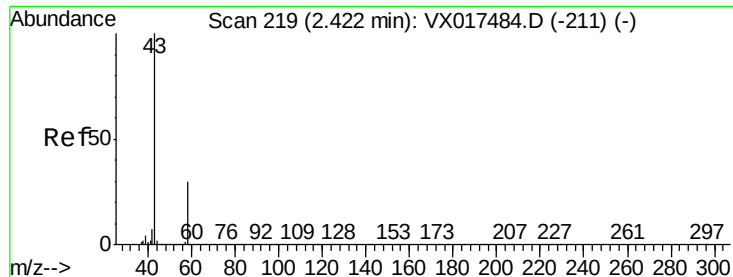


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.497 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

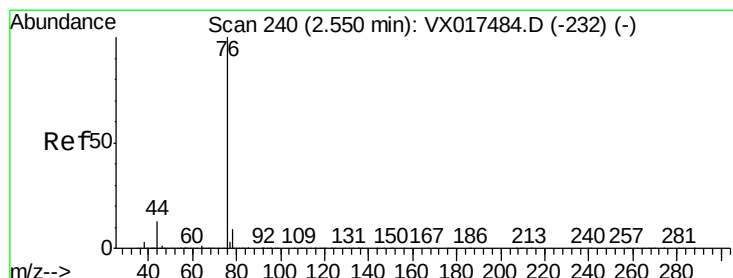
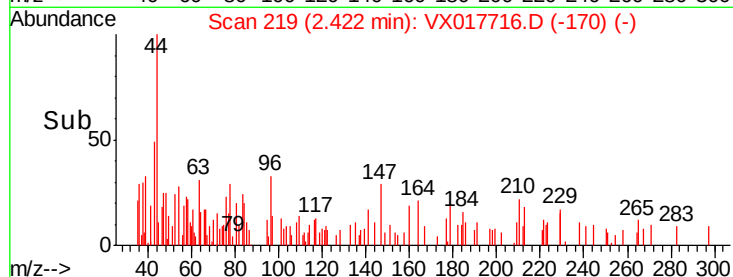
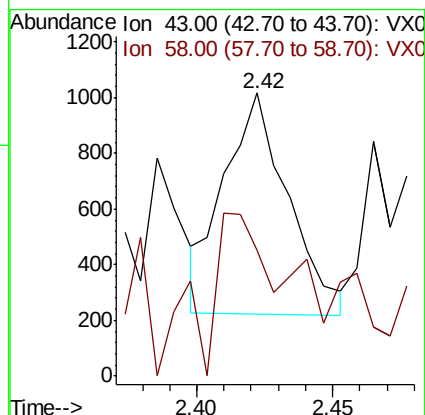
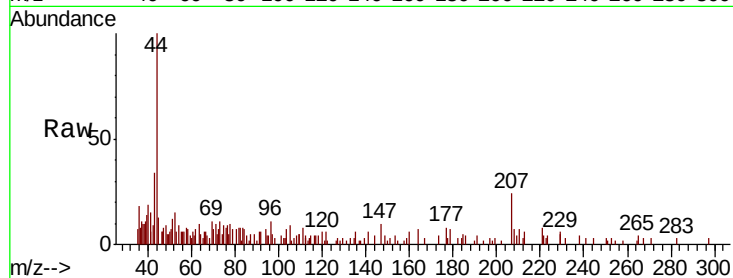
VX0731WBL03

Tot Ion: 43 Resp: 1303

Ion Ratio Lower Upper

43 100

58 16.2 24.2 36.4#



#17

Carbon Disulfide

Concen: 0.281 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017716.D

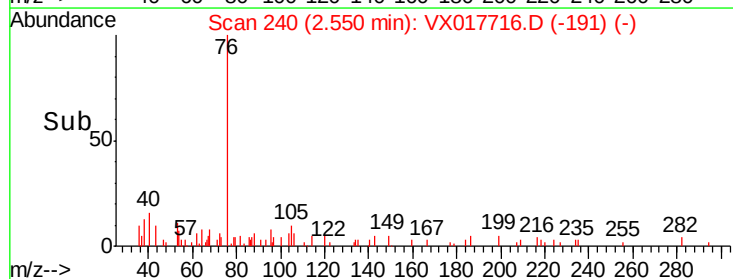
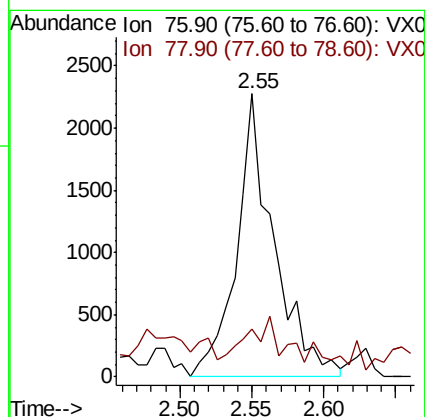
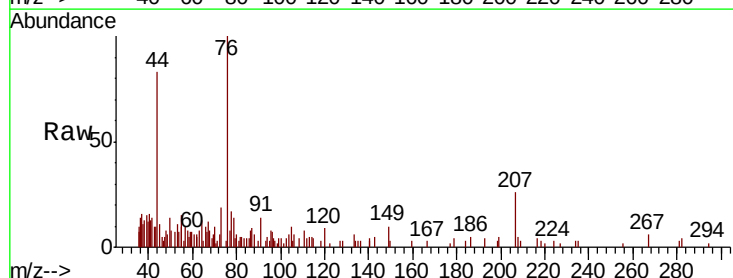
Acq: 31 Jul 2020 21:57

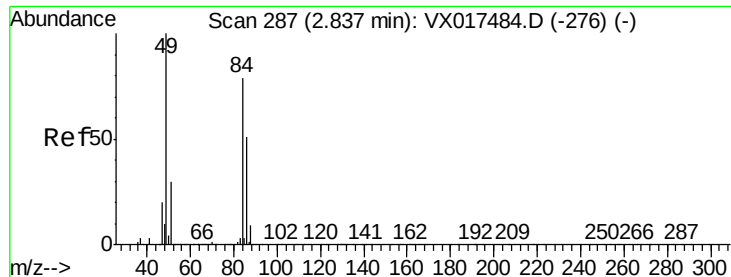
Tgt Ion: 76 Resp: 4085

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3

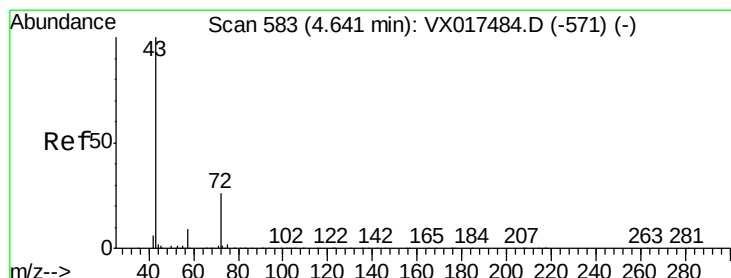
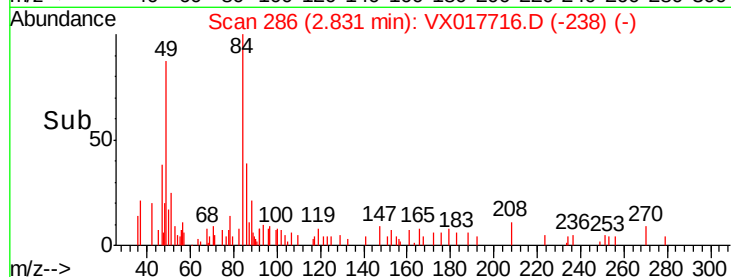
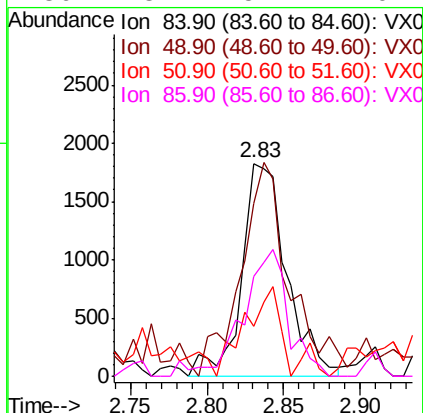
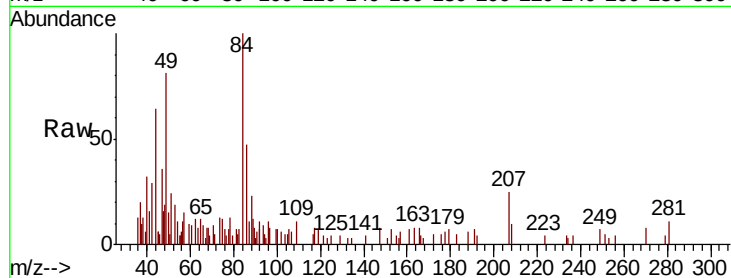




#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017716.D
Acq: 31 Jul 2020 21:57

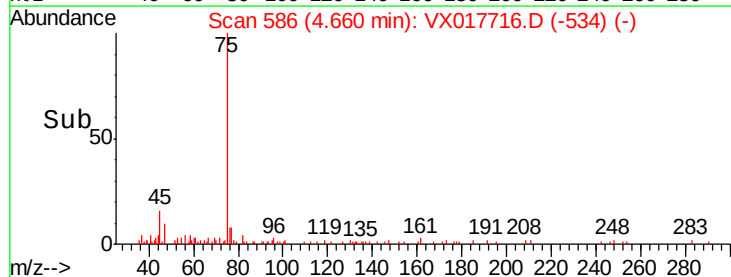
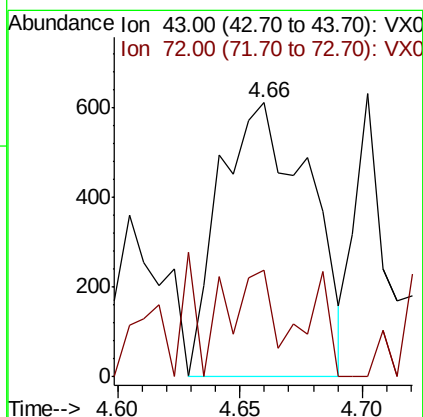
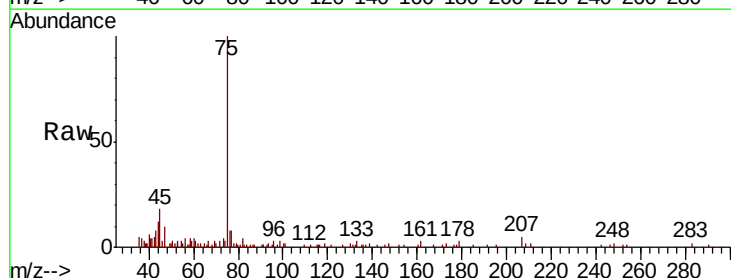
Instrument :
MSVOA_X
ClientSampleId :
VX0731WBL03

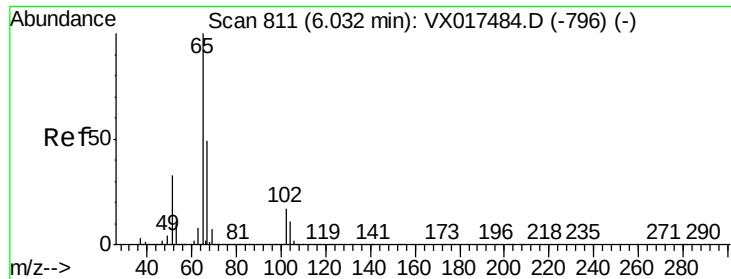
Tot Ion: 84 Resp: 3741
Ion Ratio Lower Upper
84 100
49 74.1 100.3 150.5#
51 20.0 30.5 45.7#
86 43.7 51.1 76.7#



#25
2-Butanone
Concen: 0.419 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX017716.D
Acq: 31 Jul 2020 21:57

Tgt Ion: 43 Resp: 1558
Ion Ratio Lower Upper
43 100
72 39.0 19.0 28.4#

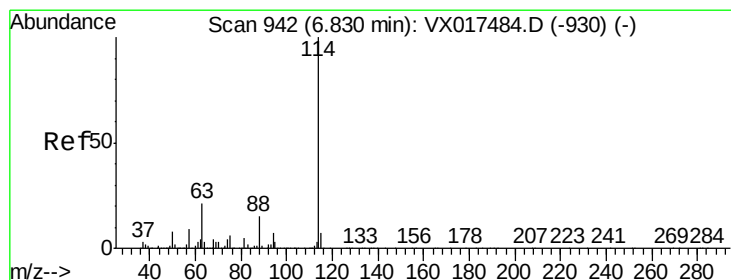
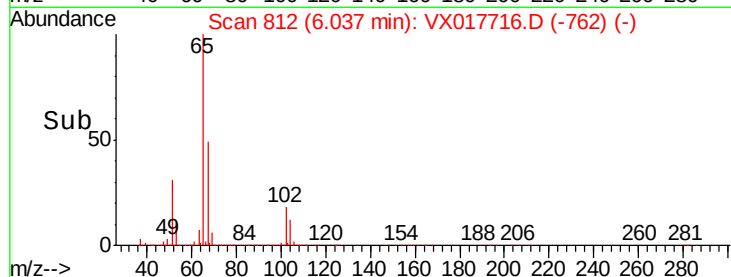
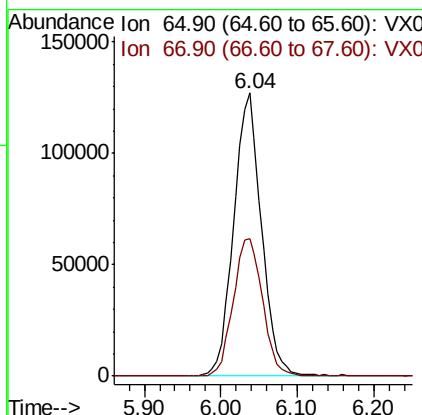
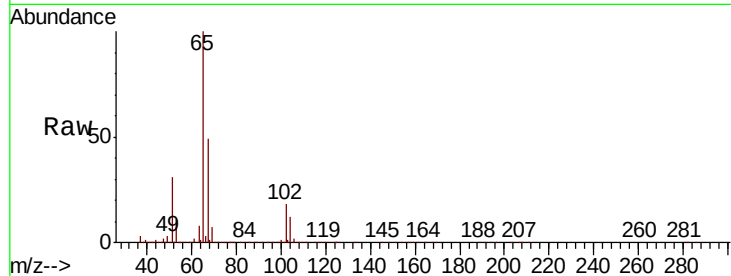




#33
 1,2-Dichloroethane-d4
 Concen: 53.504 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX017716.D
 Acq: 31 Jul 2020 21:57

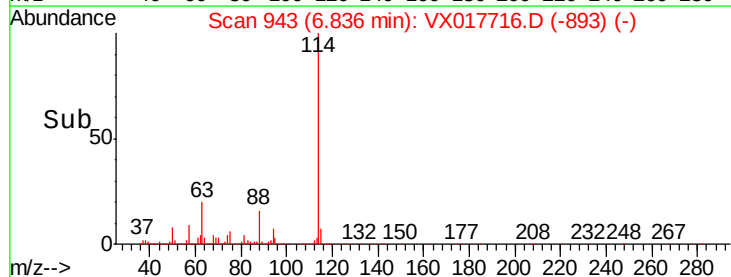
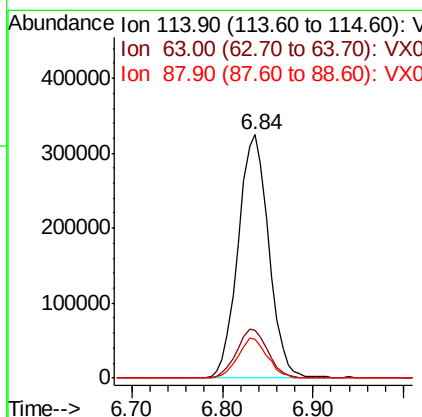
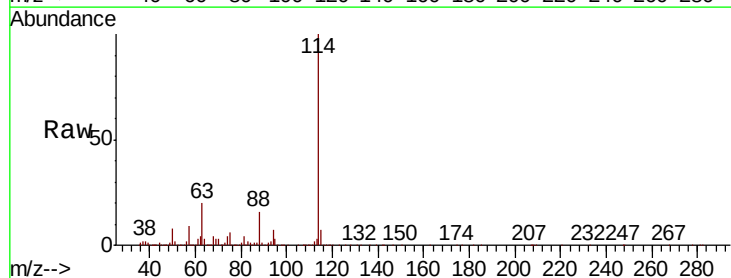
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBL03

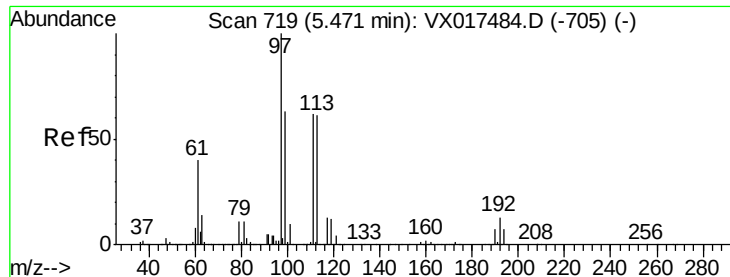
Tot Ion: 65 Resp: 318401
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017716.D
 Acq: 31 Jul 2020 21:57

Tgt Ion: 114 Resp: 760982
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.6
 88 16.1 0.0 33.4

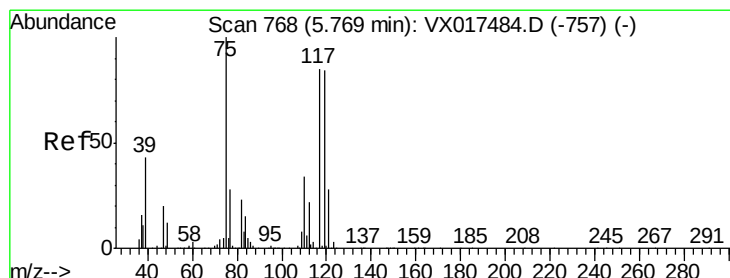
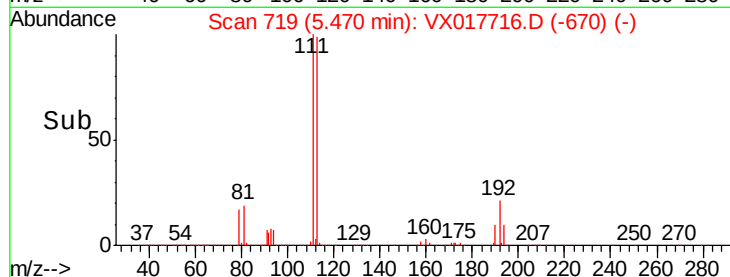
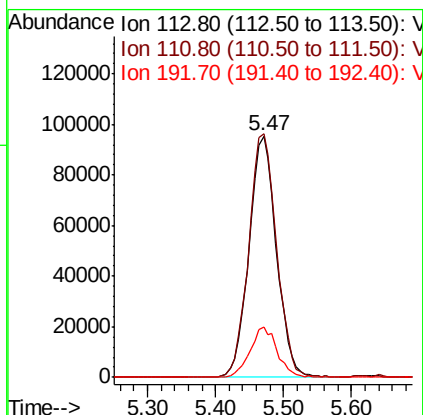
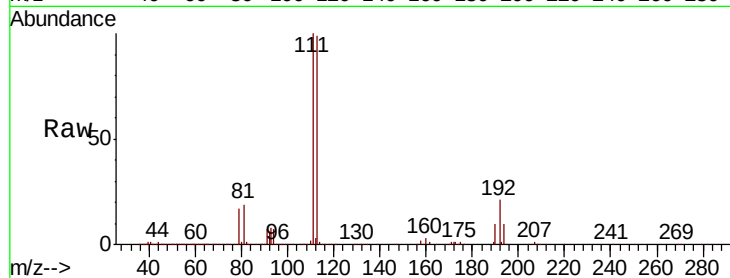




#35
 Dibromofluoromethane
 Concen: 52.665 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017716.D
 Acq: 31 Jul 2020 21:57

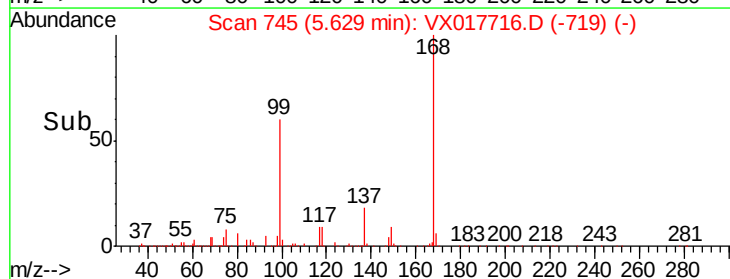
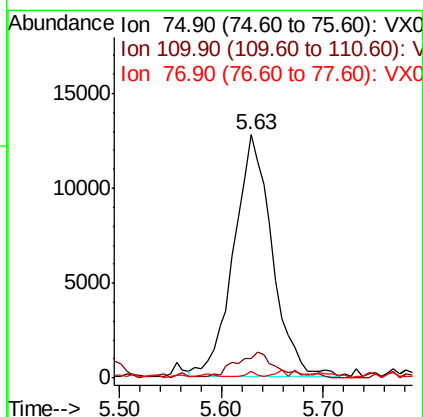
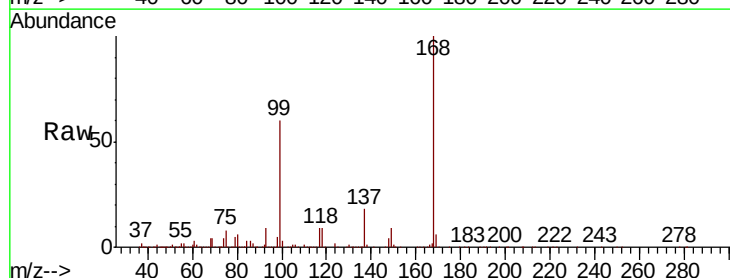
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBL03

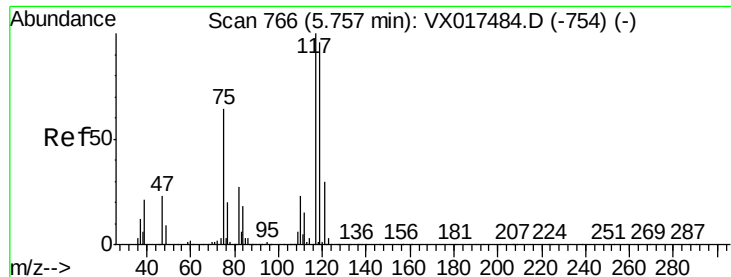
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	80.7	121.1
192	20.7	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.562 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017716.D
 Acq: 31 Jul 2020 21:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.9	18.1	54.3#
77	0.9	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.063 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBL03

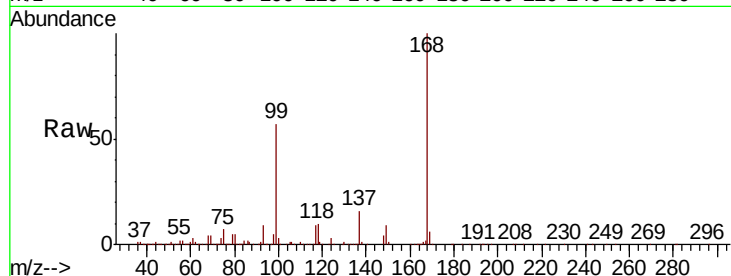
Tot Ion:117 Resp: 44876

Ion Ratio Lower Upper

117 100

119 5.6 75.4 113.0#

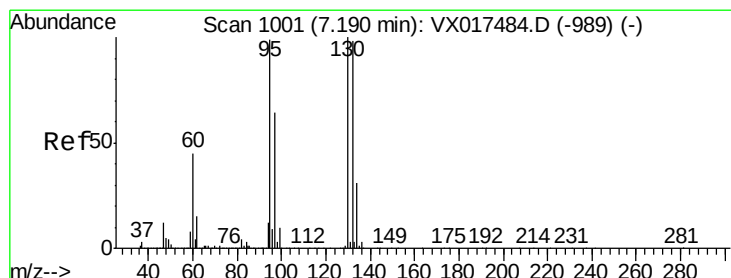
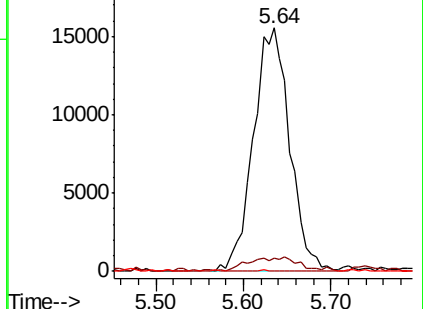
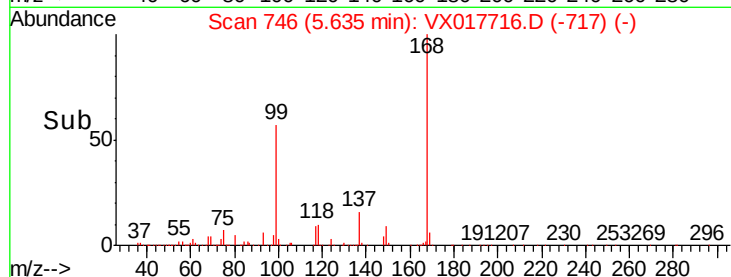
121 0.0 24.3 36.5#



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



#44

Trichloroethene

Concen: 0.206 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017716.D

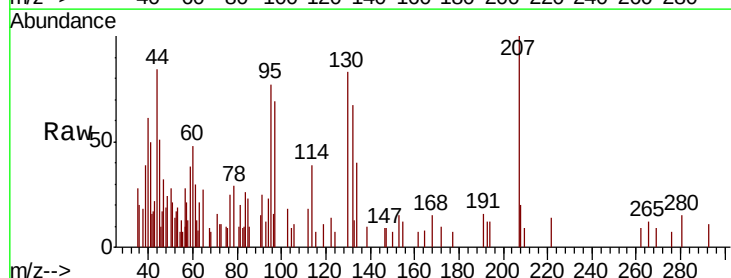
Acq: 31 Jul 2020 21:57

Tgt Ion:130 Resp: 1260

Ion Ratio Lower Upper

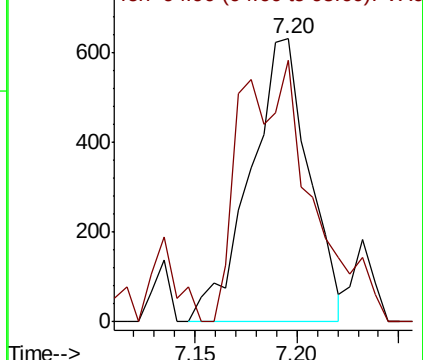
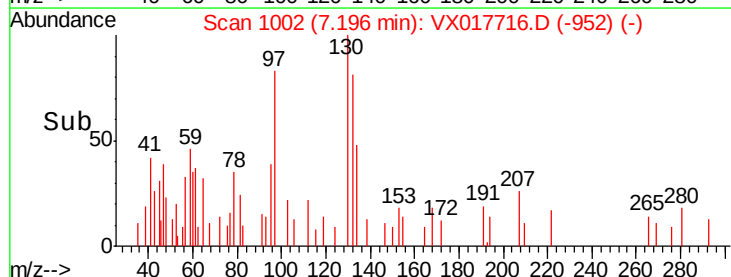
130 100

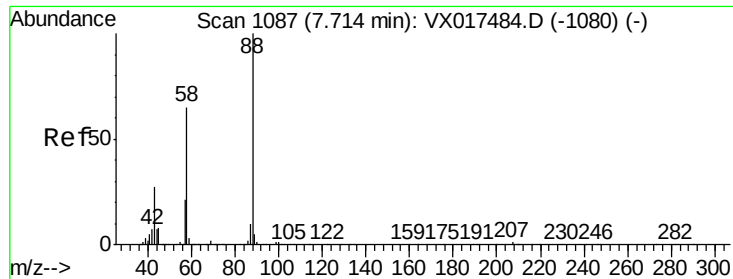
95 62.3 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

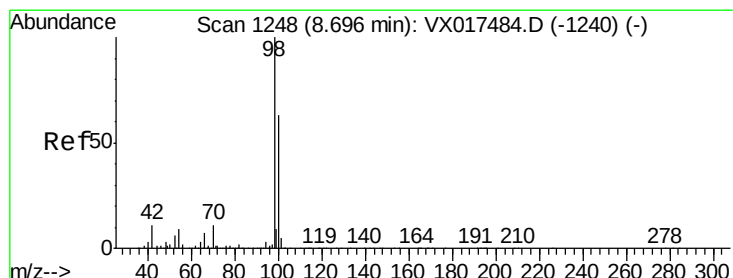
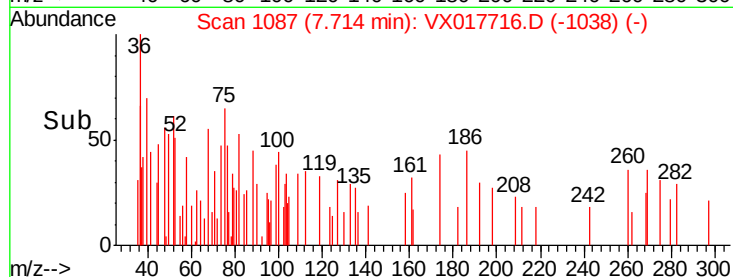
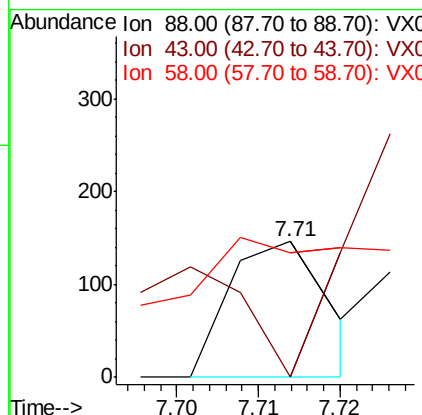
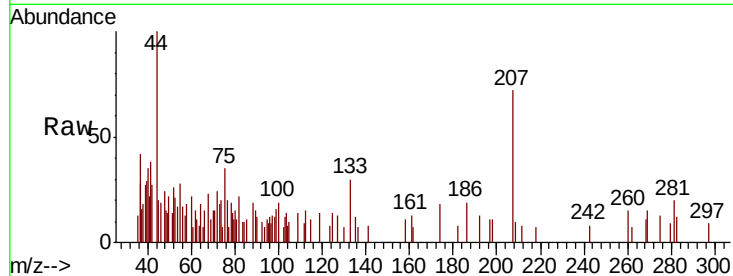




#49
1,4-Dioxane
Concen: 0.974 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017716.D
Acq: 31 Jul 2020 21:57

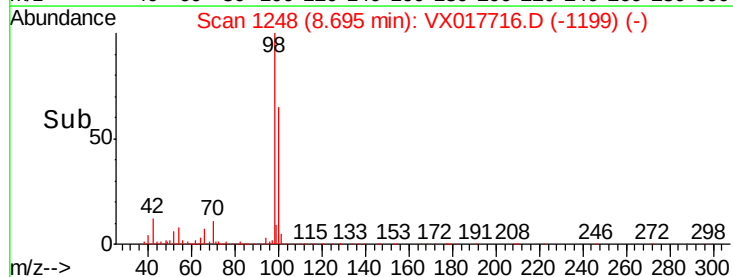
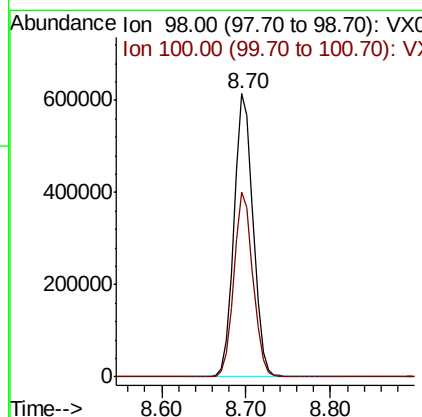
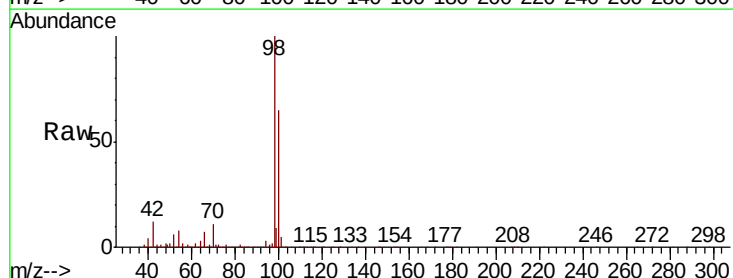
Instrument :
MSVOA_X
ClientSampleId :
VX0731WBL03

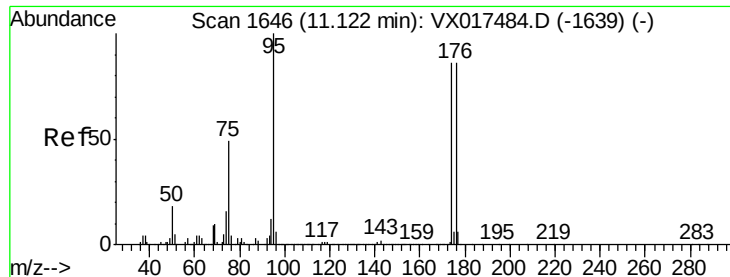
Tot Ion: 88 Resp: 122
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 191.0 58.3 87.5#



#50
Toluene-d8
Concen: 51.484 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017716.D
Acq: 31 Jul 2020 21:57

Tgt Ion: 98 Resp: 945258
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 54.938 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBL03

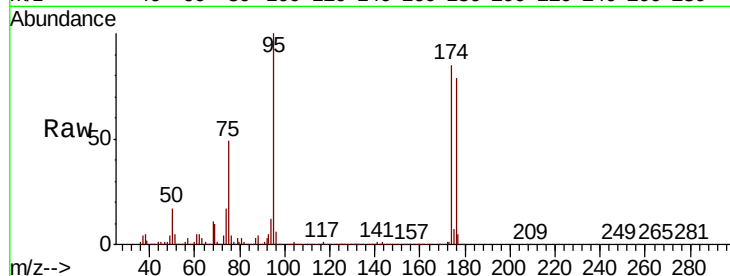
Tot Ion: 95 Resp: 403672

Ion Ratio Lower Upper

95 100

174 85.4 0.0 169.0

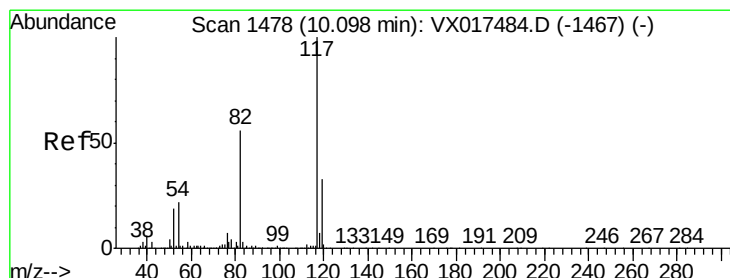
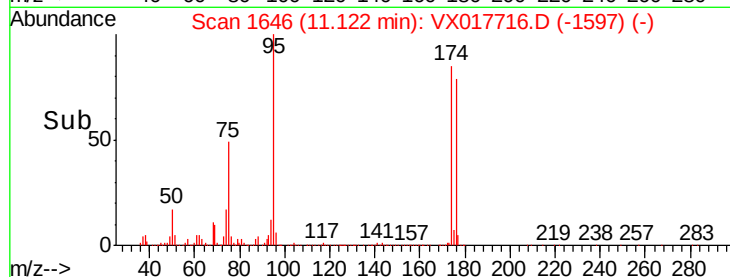
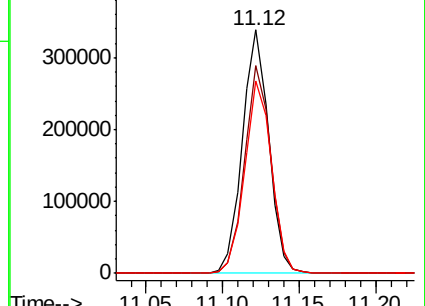
176 80.7 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX017716.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017716.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017716.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

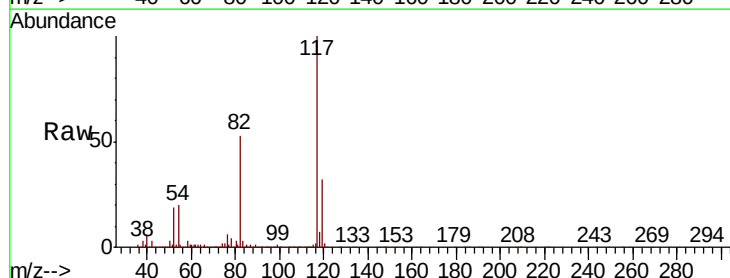
Tgt Ion: 117 Resp: 789274

Ion Ratio Lower Upper

117 100

82 53.2 44.0 66.0

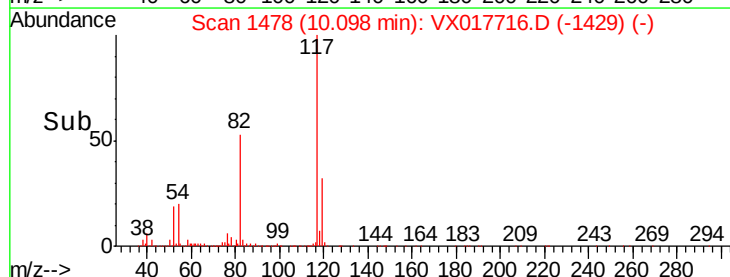
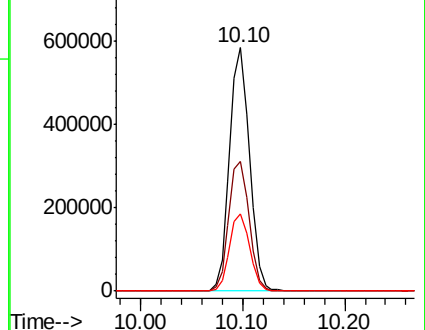
119 31.6 25.4 38.0

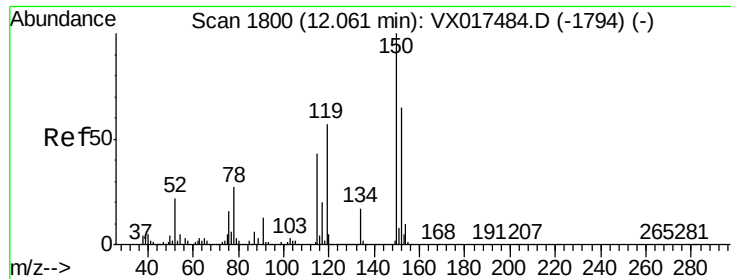


Abundance Ion 116.90 (116.60 to 117.60): VX017716.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017716.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017716.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBL03

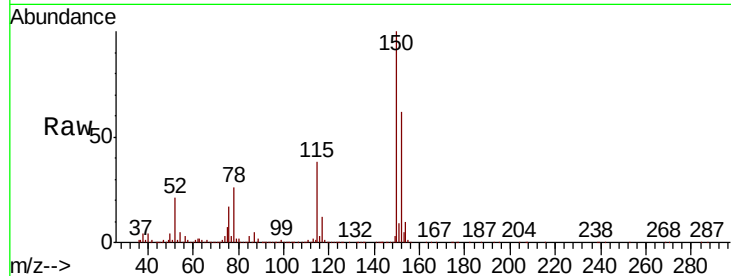
Tot Ion:152 Resp: 404098

Ion Ratio Lower Upper

152 100

115 58.7 65.5 196.6#

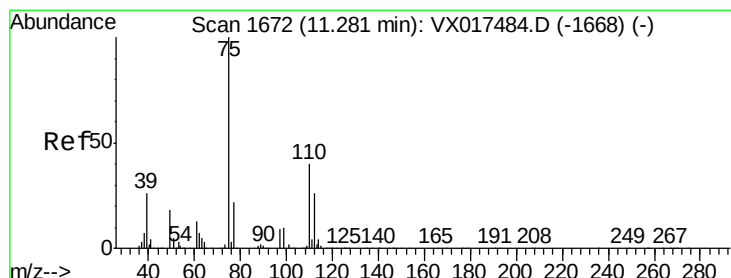
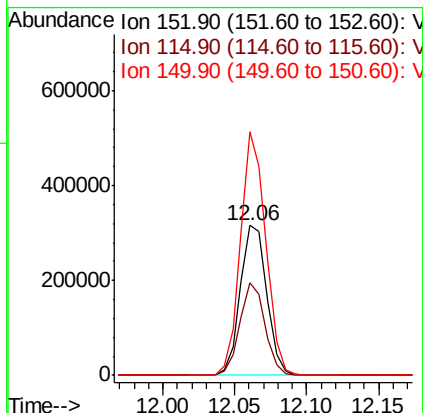
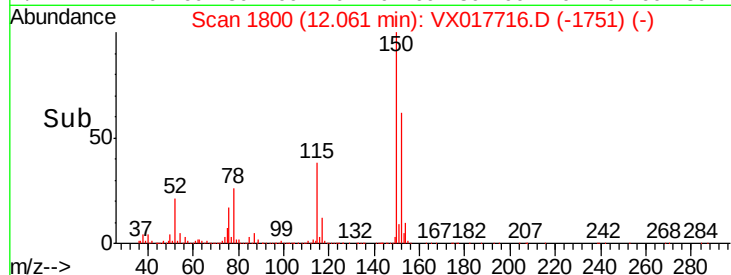
150 154.1 0.0 412.6



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: 24.693 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017716.D

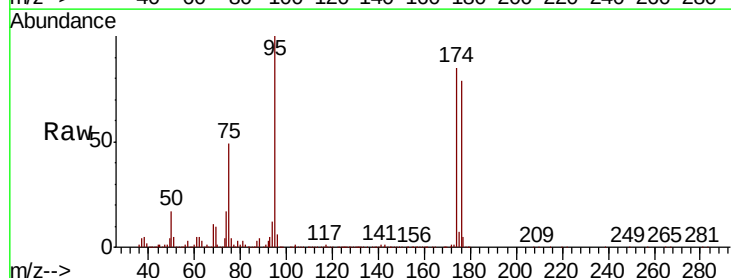
Acq: 31 Jul 2020 21:57

Tgt Ion: 75 Resp: 205258

Ion Ratio Lower Upper

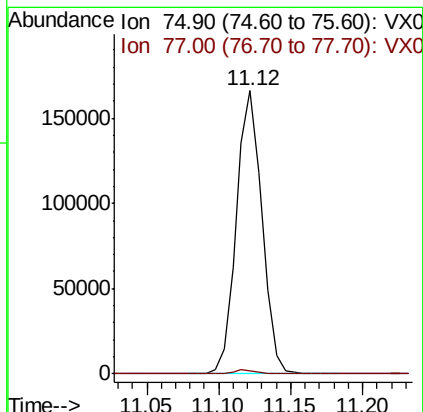
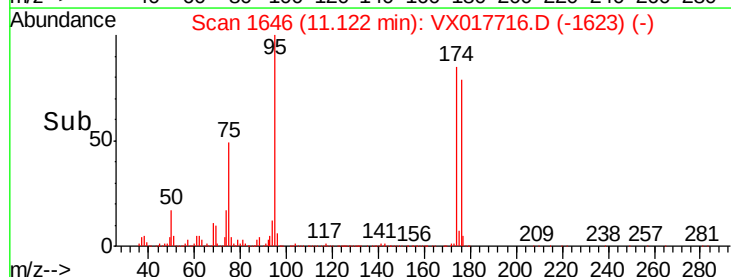
75 100

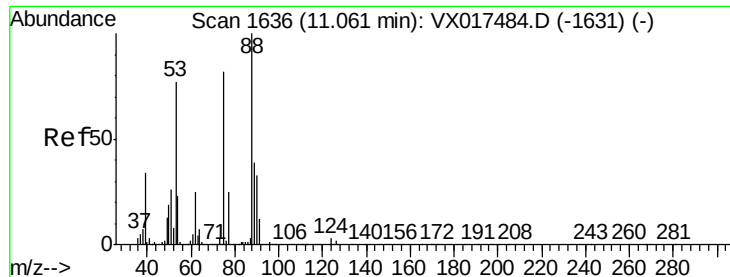
77 1.5 21.8 65.3#



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: 62.220 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBL03

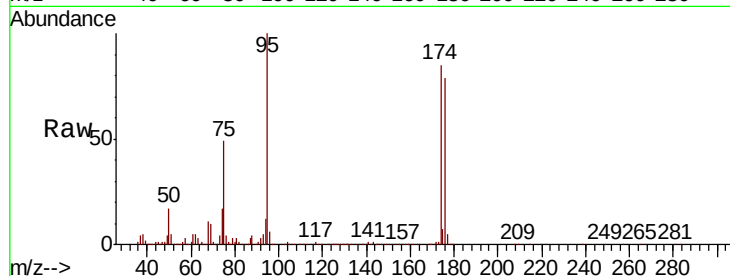
Tot Ion: 75 Resp: 205258

Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

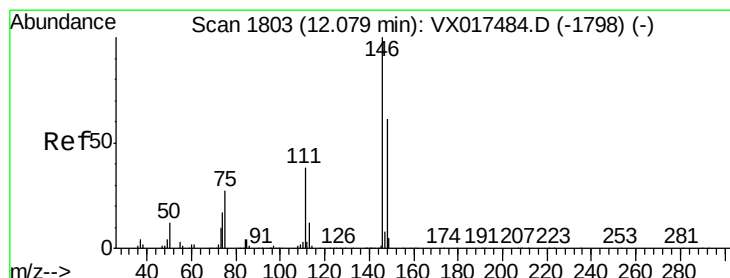
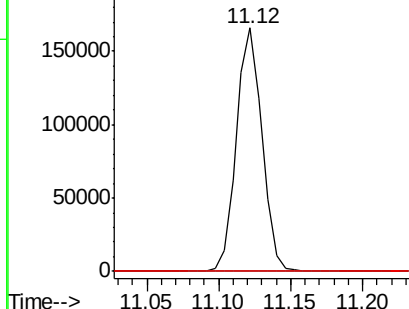
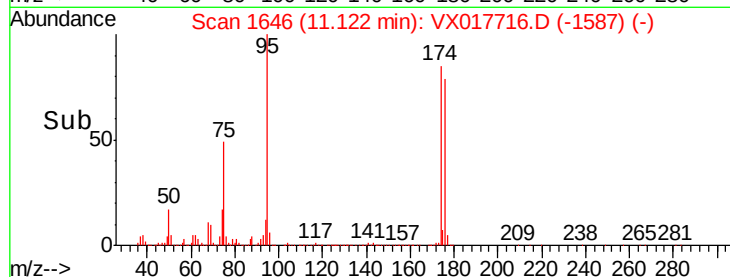
89 0.0 37.8 56.6#



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



#88

1,4-Dichlorobenzene

Concen: 0.201 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

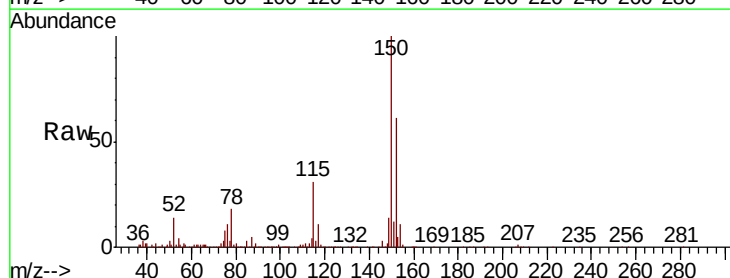
Tgt Ion: 146 Resp: 2780

Ion Ratio Lower Upper

146 100

111 227.7 19.3 57.8#

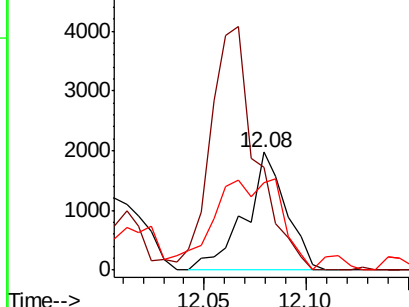
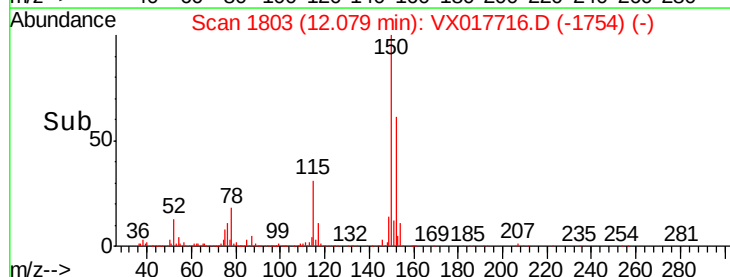
148 126.1 32.2 96.6#

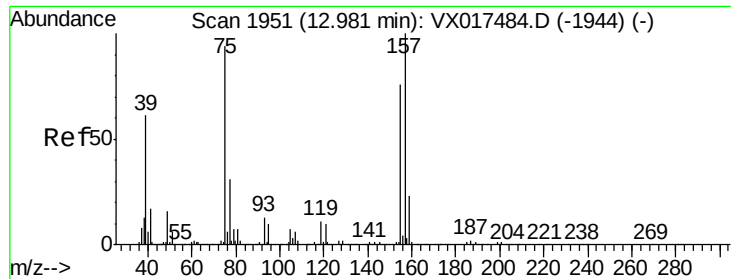


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.614 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBL03

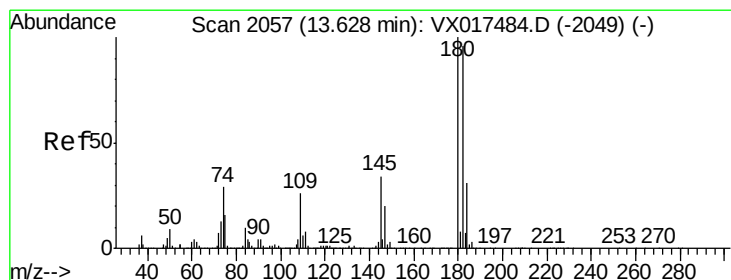
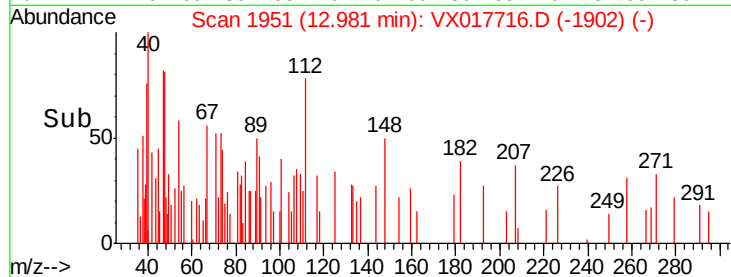
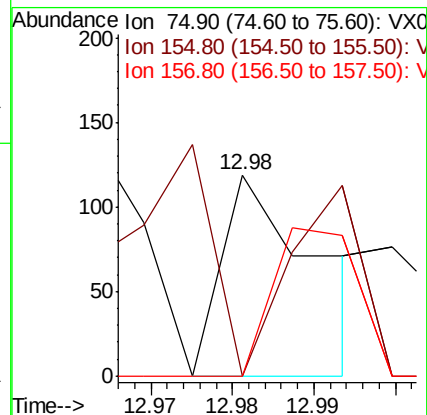
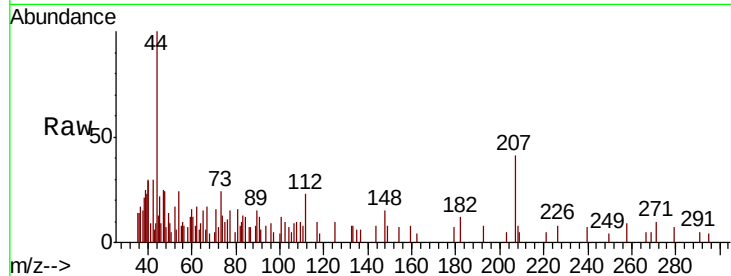
Tot Ion: 75 Resp: 96

Ion Ratio Lower Upper

75 100

155 113.5 42.3 126.8

157 65.6 54.3 162.9



#93

1,2,4-Trichlorobenzene

Concen: 0.213 ug/l

RT: 13.62 min Scan# 2056

Delta R.T. -0.01 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

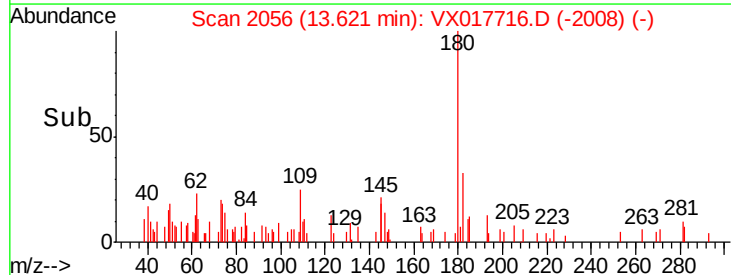
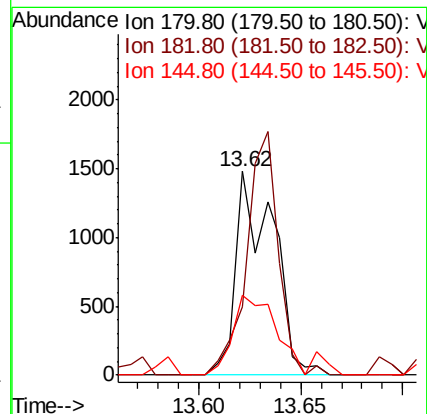
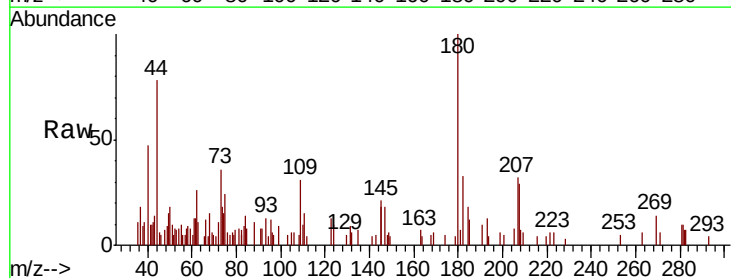
Tgt Ion:180 Resp: 1904

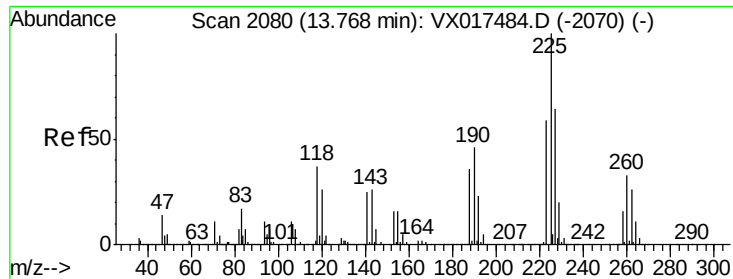
Ion Ratio Lower Upper

180 100

182 99.7 47.5 142.6

145 44.7 15.4 46.4





#94

Hexachlorobutadiene

Concen: 0.299 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX017716.D

Acq: 31 Jul 2020 21:57

Instrument :

MSVOA_X

ClientSampleId :

VX0731WBL03

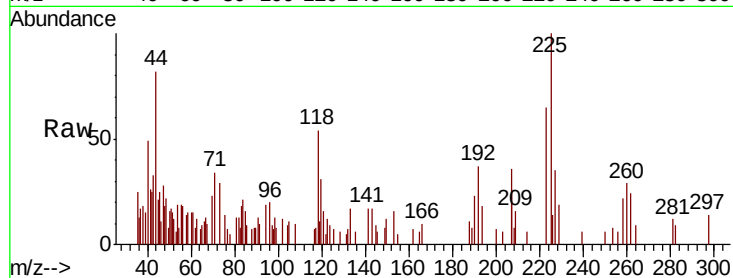
Tot Ion:225 Resp: 1229

Ion Ratio Lower Upper

225 100

223 70.5 30.3 90.9

227 47.8 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

