

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052120\
 Data File : VX016380.D
 Acq On : 21 May 2020 13:55
 Operator : JC/SP
 Sample : L2732-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 22 07:39:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	246714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	404763	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	392215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	187065	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	140778	43.36	ug/l	0.00
Spiked Amount			Recovery	=	86.72%	
35) Dibromofluoromethane	5.46	113	116876	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	
50) Toluene-d8	8.70	98	495546	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	11.12	95	194776	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	

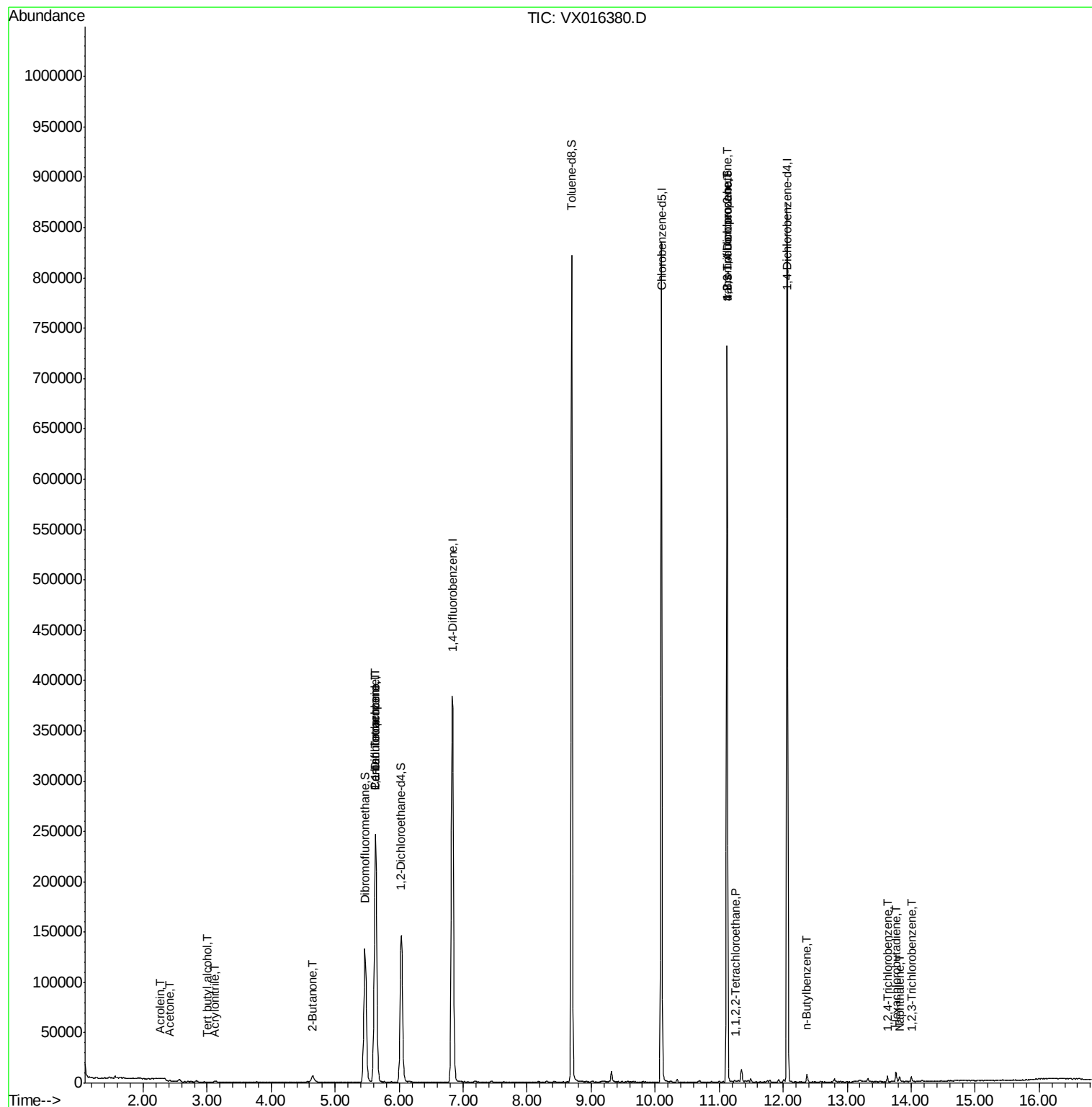
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	299	0.364	ug/l #	89
13) Acrolein	2.27	56	594	1.156	ug/l	96
15) Acrylonitrile	3.11	53	634	0.372	ug/l	94
16) Acetone	2.42	43	851	0.587	ug/l #	77
25) 2-Butanone	4.65	43	773	0.331	ug/l #	48
36) 1,1-Dichloropropene	5.63	75	17435	4.376	ug/l #	50
38) Carbon Tetrachloride	5.63	117	23113	5.707	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	11.26	83	22	2.058	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	91634	21.587	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	91634	51.443	ug/l #	13
89) n-Butylbenzene	12.37	91	2561	0.226	ug/l	98
93) 1,2,4-Trichlorobenzene	13.63	180	1366	0.304	ug/l	95
94) Hexachlorobutadiene	13.77	225	1423	1.251	ug/l	93
95) Naphthalene	13.82	128	3229	0.222	ug/l	96
96) 1,2,3-Trichlorobenzene	14.01	180	1347	0.307	ug/l	96

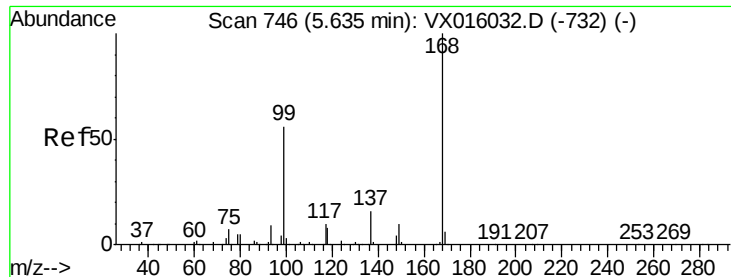
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052120\
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Acq On : 21 May 2020 13:55
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

Instrument :

MSVOA_X

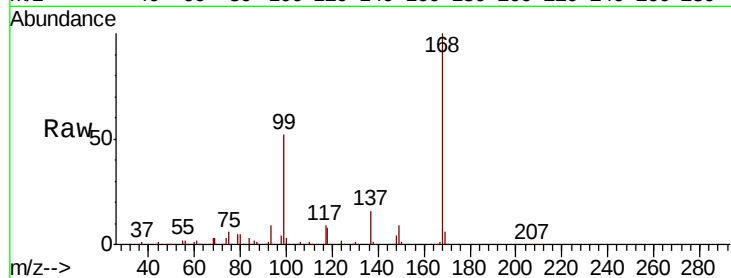
ClientSampleId :

Tot Ion:168 Resp: 246714

Ion Ratio Lower Upper

168 100

99 52.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

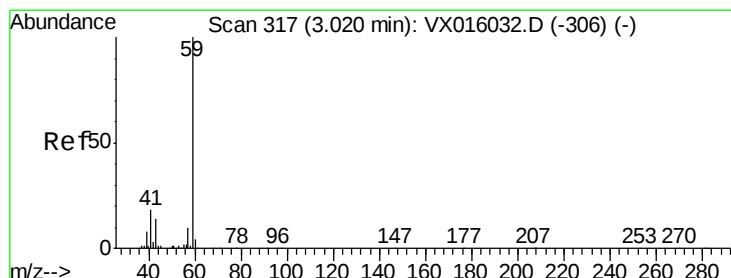
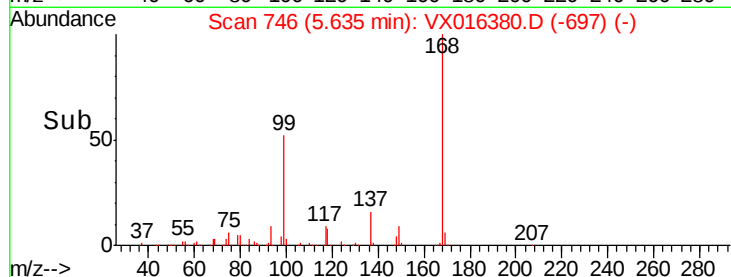
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.364 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016380.D

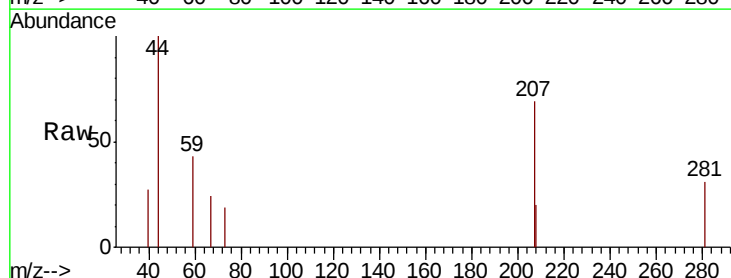
Acq: 21 May 2020 13:55

Tgt Ion: 59 Resp: 299

Ion Ratio Lower Upper

59 100

57 6.4 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

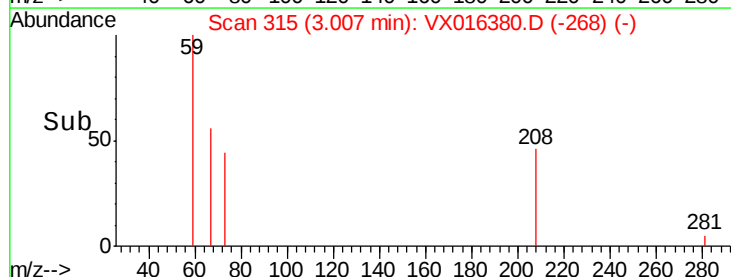
150

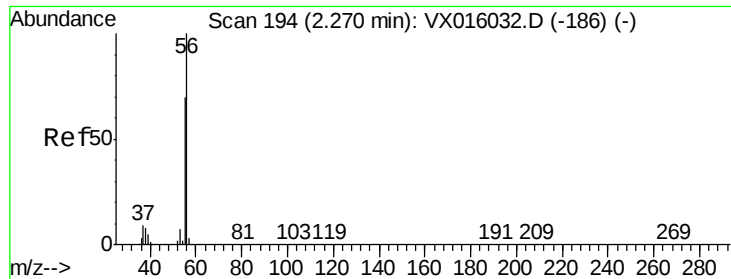
100

50

0

Time-->

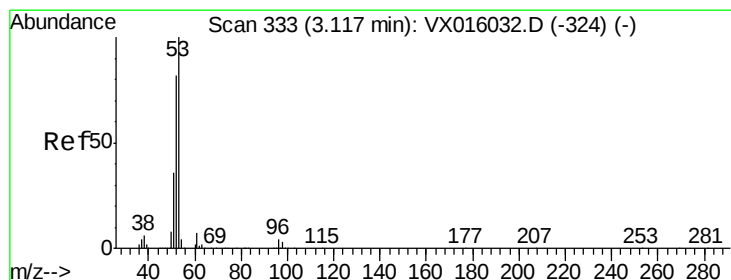
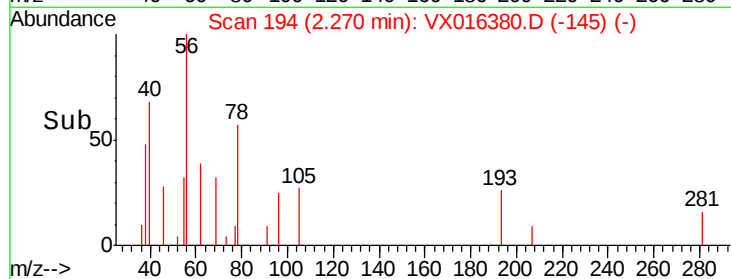
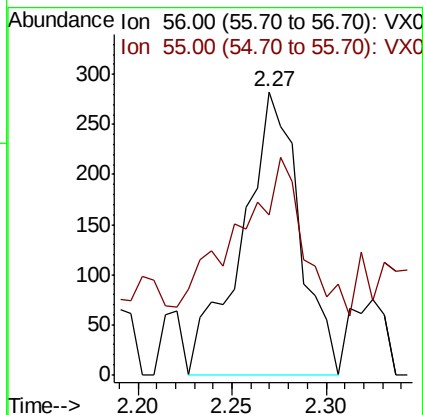
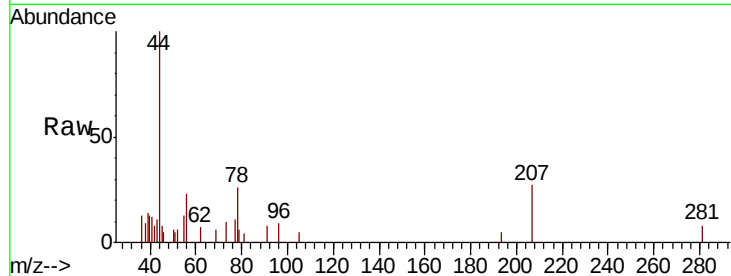




#13
Acrolein
Concen: 1.156 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.00 min
Lab File: VX016380.D
Acq: 21 May 2020 13:55

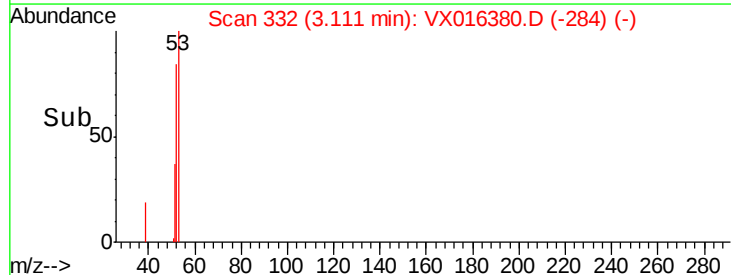
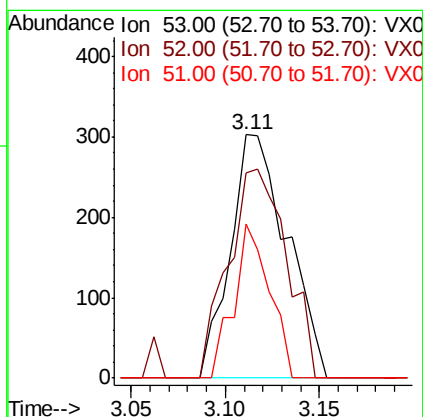
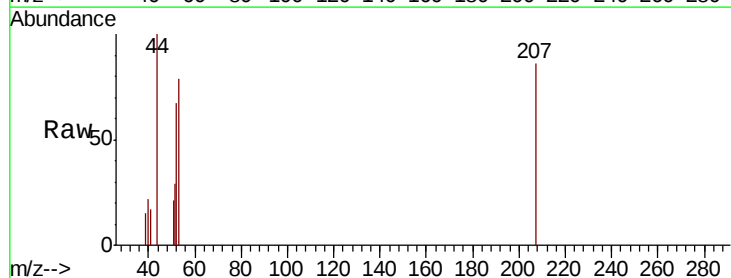
Instrument :
MSVOA_X
ClientSampled :

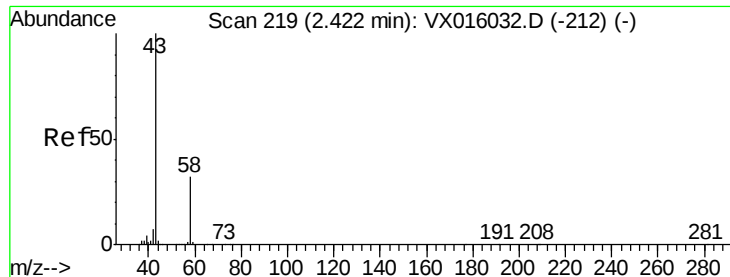
Tot Ion: 56 Resp: 594
Ion Ratio Lower Upper
56 100
55 67.7 56.5 84.7



#15
Acrylonitrile
Concen: 0.372 ug/l
RT: 3.11 min Scan# 332
Delta R.T. -0.01 min
Lab File: VX016380.D
Acq: 21 May 2020 13:55

Tgt Ion: 53 Resp: 634
Ion Ratio Lower Upper
53 100
52 87.7 66.1 99.1
51 39.7 28.8 43.2





#16

Acetone

Concen: 0.587 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

Instrument :

MSVOA_X

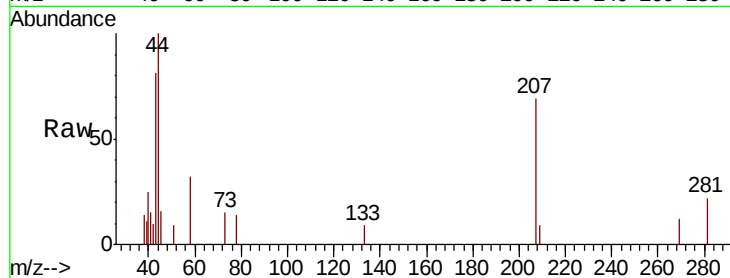
ClientSampleId :

Tot Ion: 43 Resp: 851

Ion Ratio Lower Upper

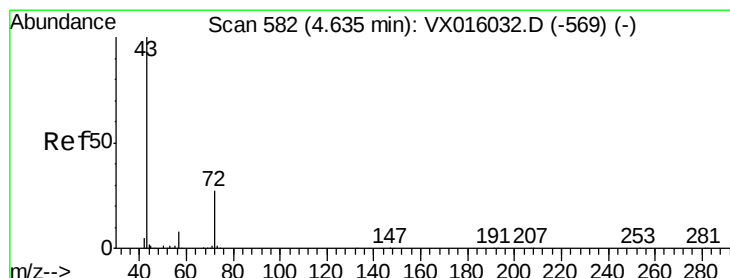
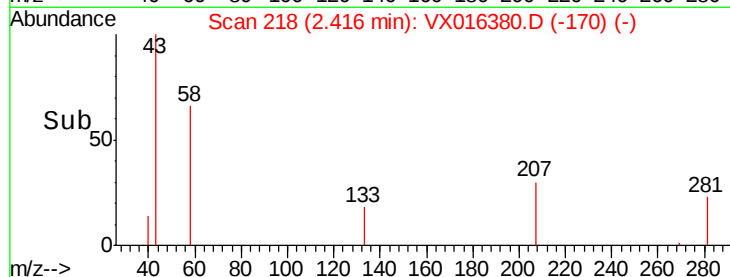
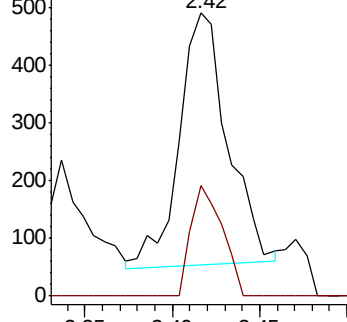
43 100

58 44.7 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 0.331 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016380.D

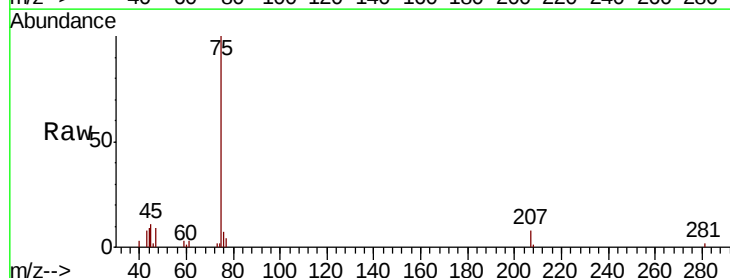
Acq: 21 May 2020 13:55

Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

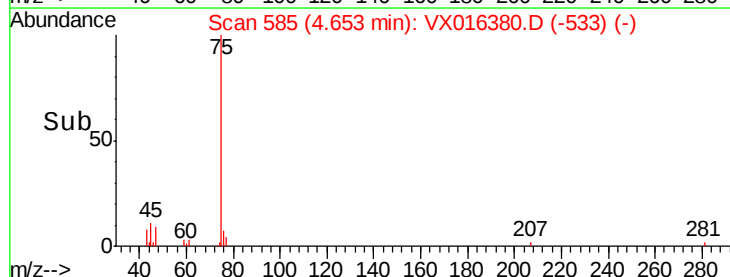
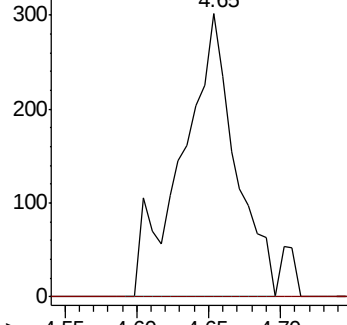
43 100

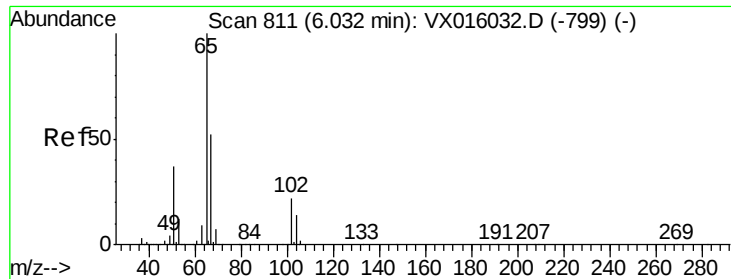
72 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 43.363 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

Instrument :

MSVOA_X

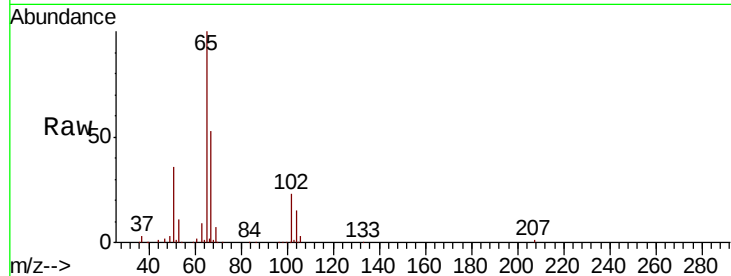
ClientSampleId :

Tot Ion: 65 Resp: 140778

Ion Ratio Lower Upper

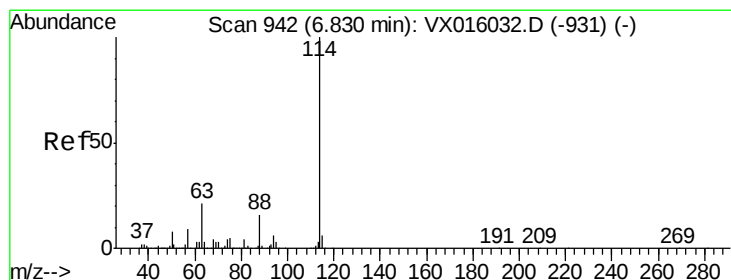
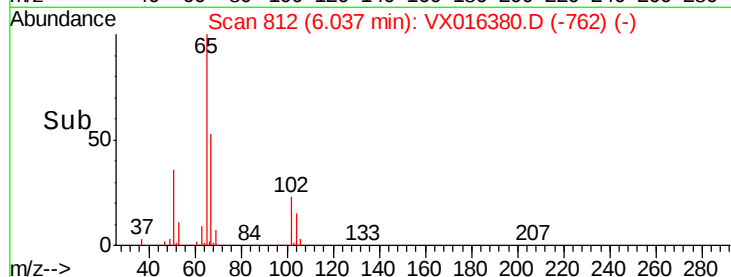
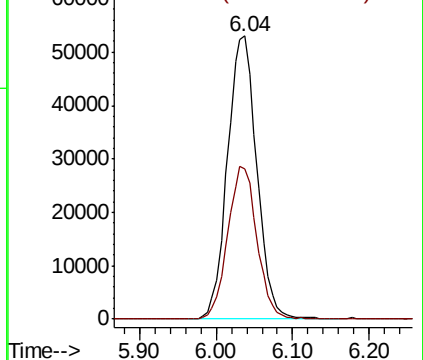
65 100

67 53.6 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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

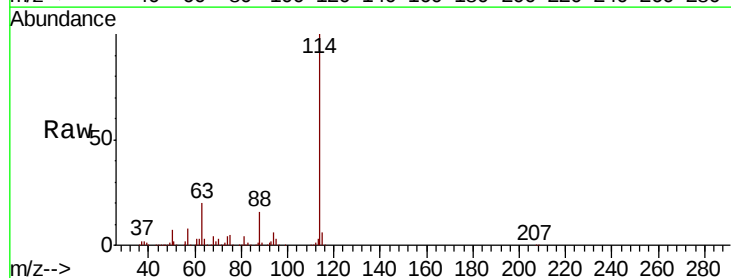
Tgt Ion: 114 Resp: 404763

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.8

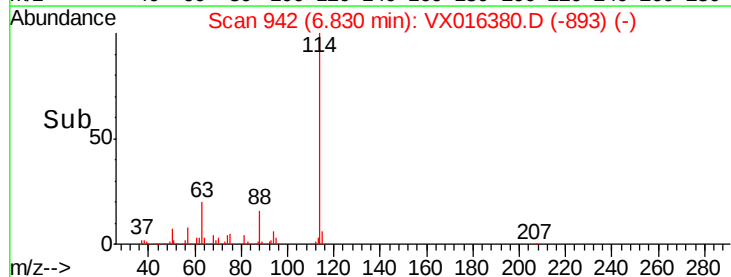
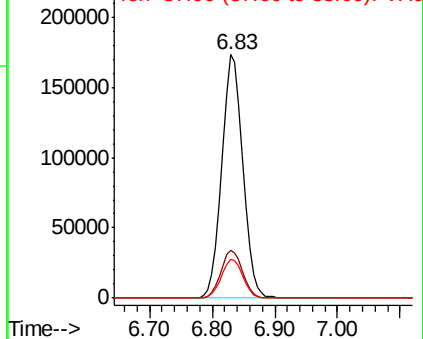
88 16.2 0.0 31.4

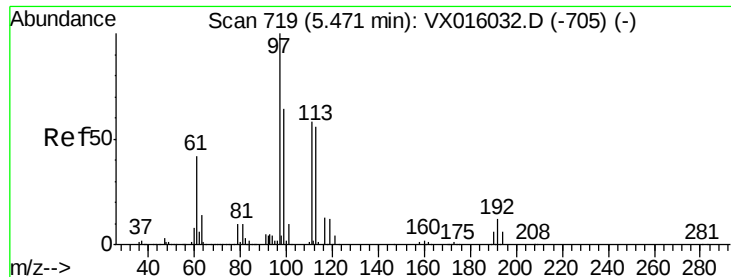


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.577 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

Instrument :
MSVOA_X
ClientSampled :

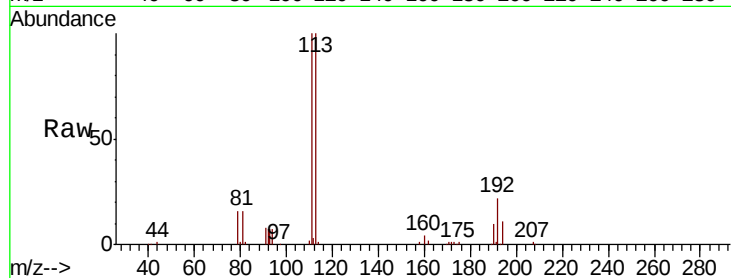
Tot Ion:113 Resp: 116876

Ion Ratio Lower Upper

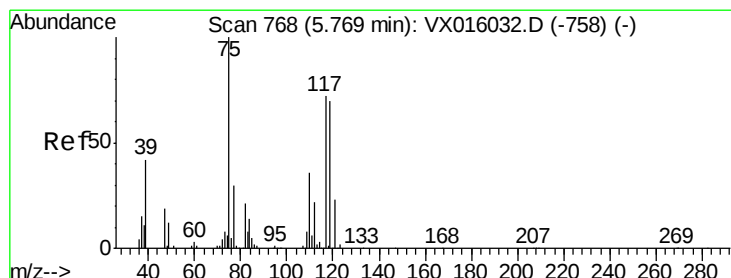
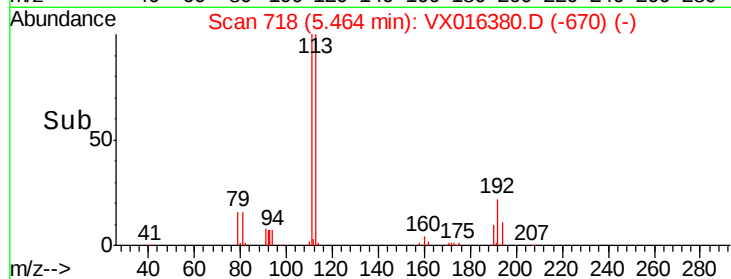
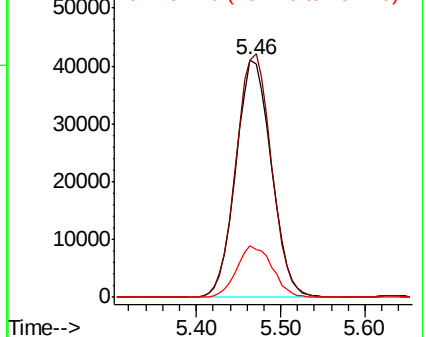
113 100

111 102.8 81.6 122.4

192 21.8 17.0 25.4



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: 4.376 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

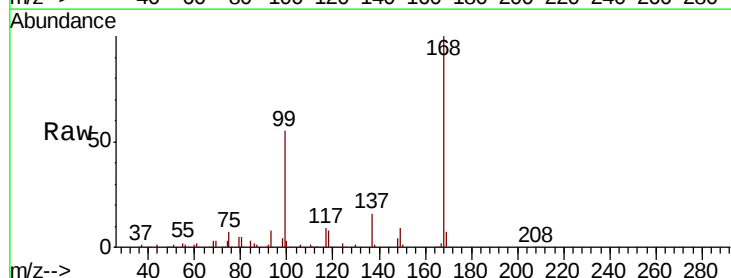
Tgt Ion: 75 Resp: 17435

Ion Ratio Lower Upper

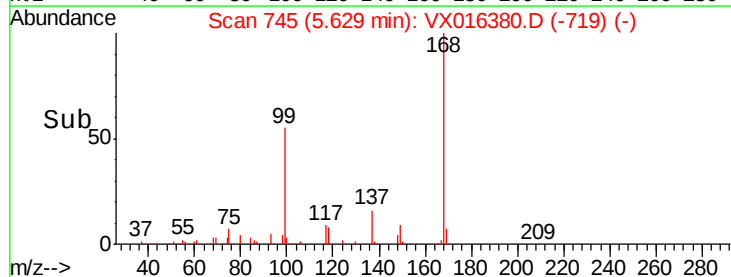
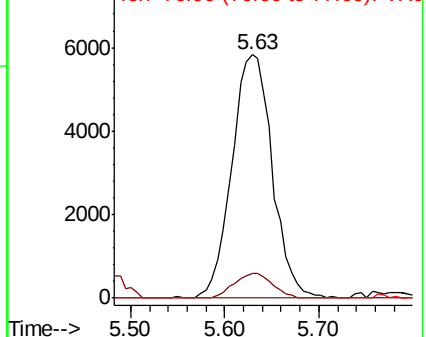
75 100

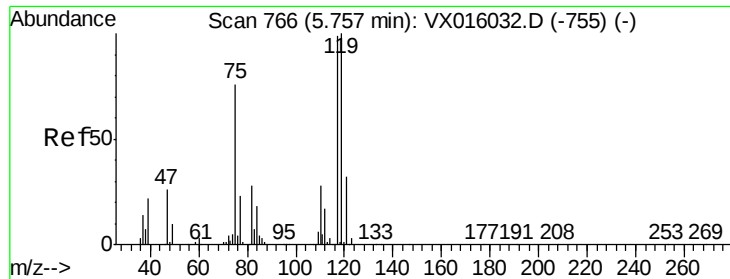
110 9.6 18.1 54.1#

77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0

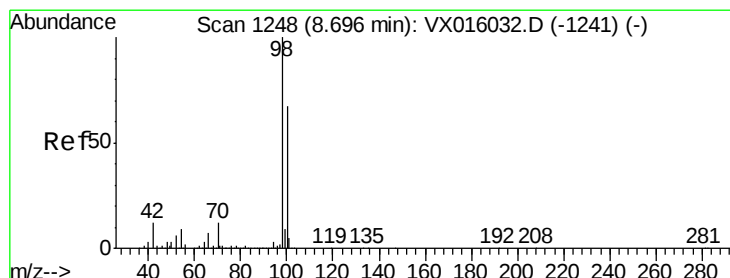
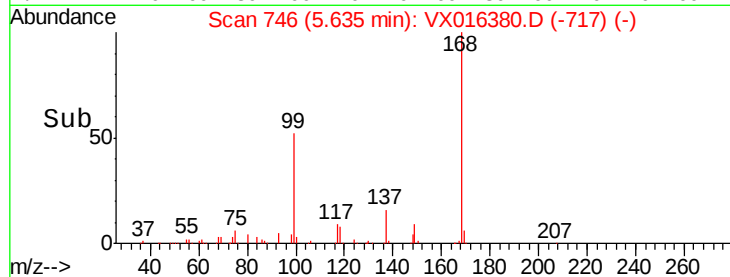
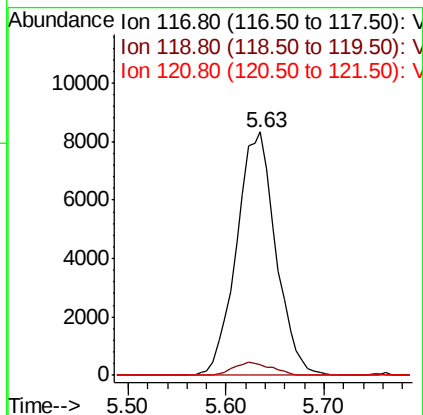
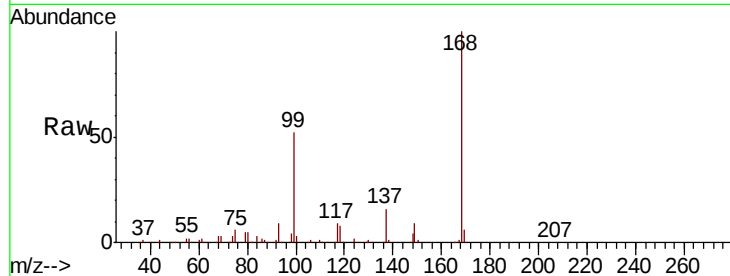




#38
Carbon Tetrachloride
Concen: 5.707 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX016380.D
Acq: 21 May 2020 13:55

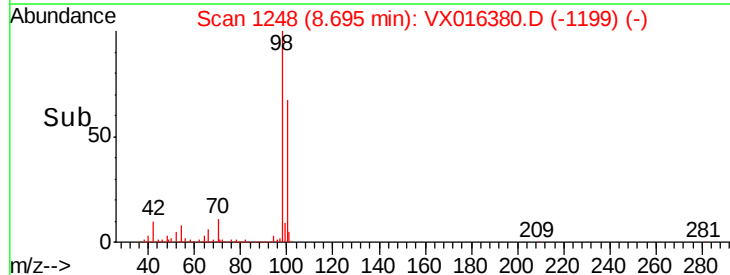
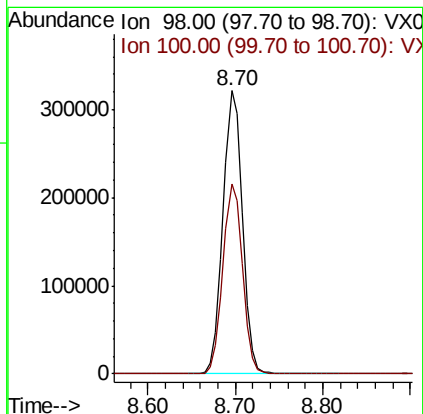
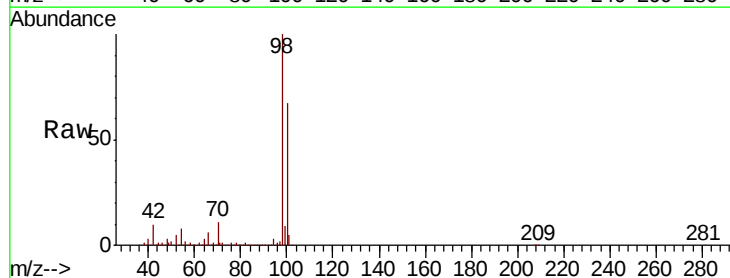
Instrument :
MSVOA_X
ClientSampled :

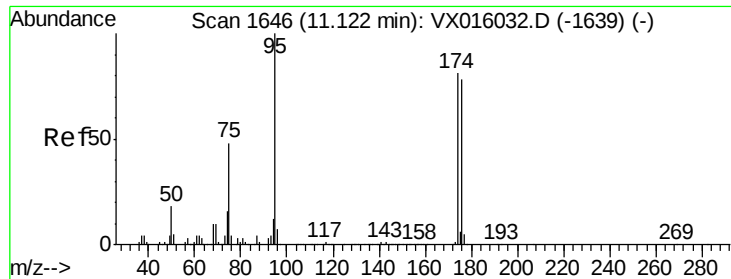
Tot Ion:117 Resp: 23113
Ion Ratio Lower Upper
117 100
119 4.2 80.3 120.5#
121 0.0 25.7 38.5#



#50
Toluene-d8
Concen: 50.153 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016380.D
Acq: 21 May 2020 13:55

Tgt Ion: 98 Resp: 495546
Ion Ratio Lower Upper
98 100
100 67.6 53.7 80.5





#62

4-Bromofluorobenzene

Concen: 51.828 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

Instrument :

MSVOA_X

ClientSampleId :

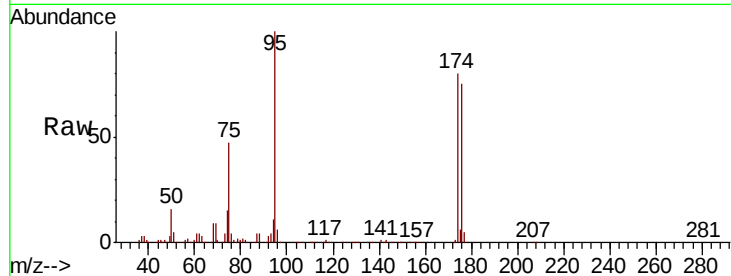
Tot Ion: 95 Resp: 194776

Ion Ratio Lower Upper

95 100

174 80.7 0.0 159.4

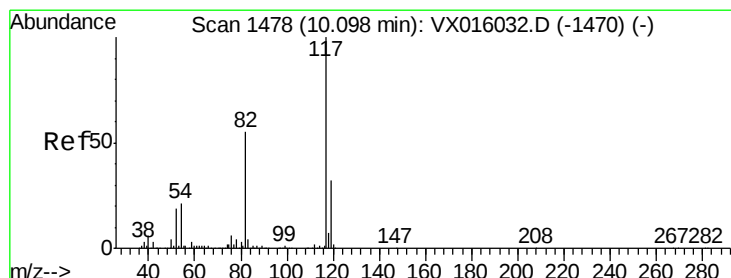
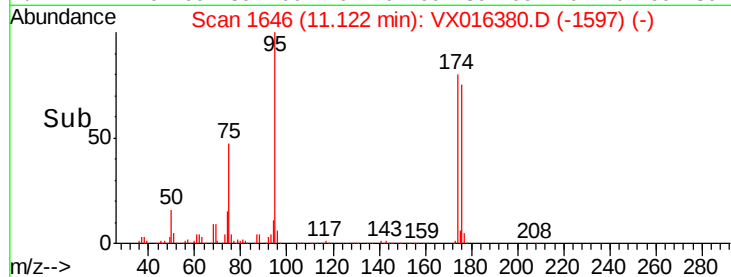
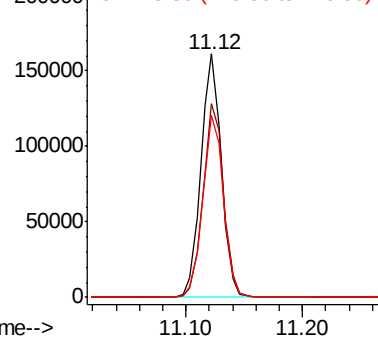
176 76.8 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

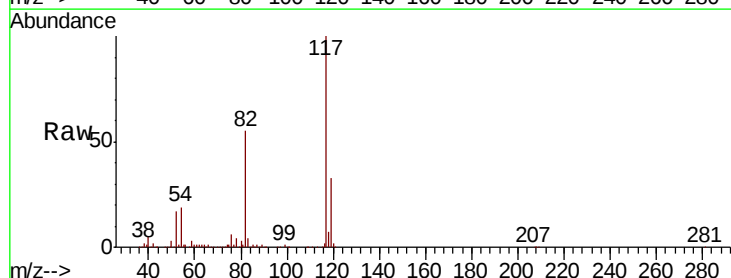
Tgt Ion: 117 Resp: 392215

Ion Ratio Lower Upper

117 100

82 54.6 44.4 66.6

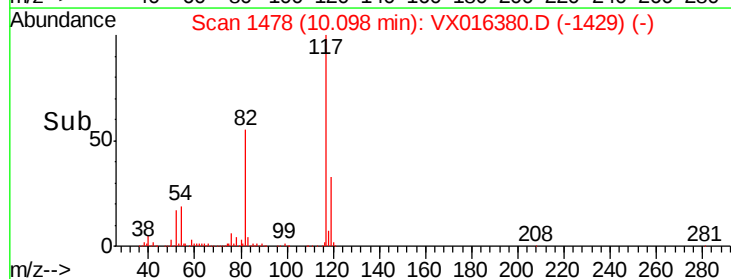
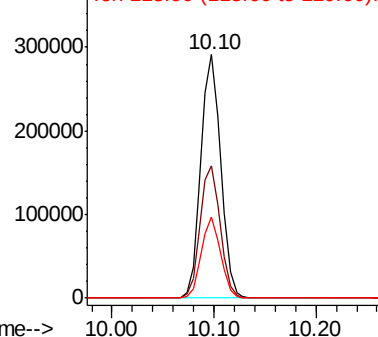
119 33.0 25.5 38.3

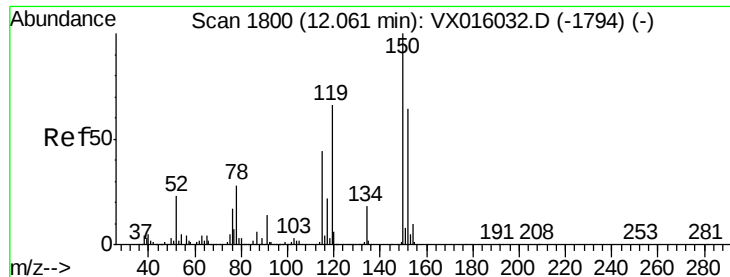


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

Instrument :

MSVOA_X

ClientSampleId :

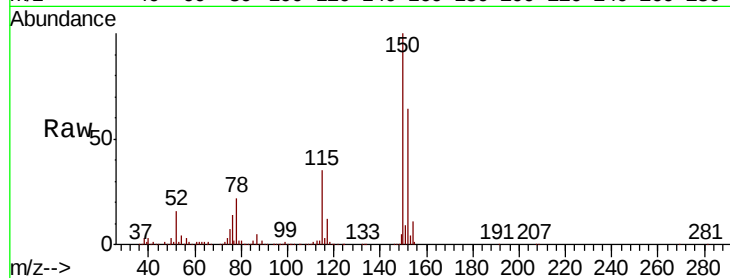
Tot Ion:152 Resp: 187065

Ion Ratio Lower Upper

152 100

115 59.9 41.3 124.1

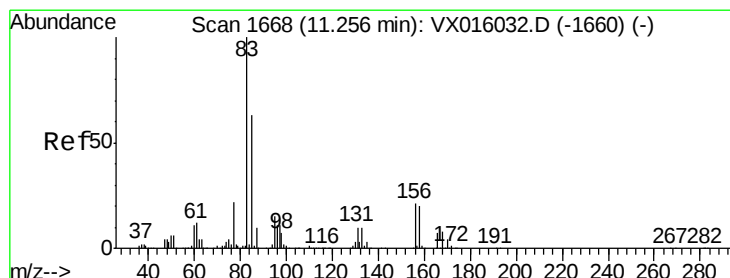
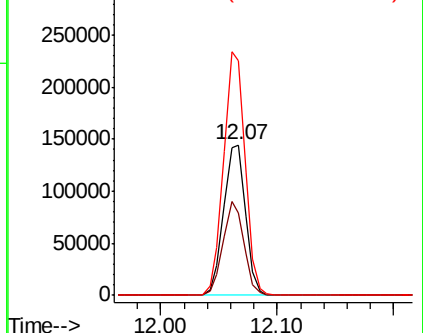
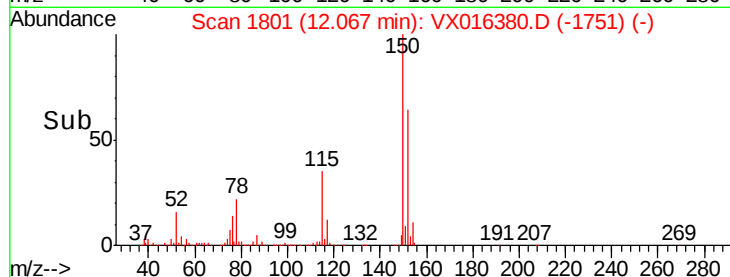
150 159.3 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.058 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

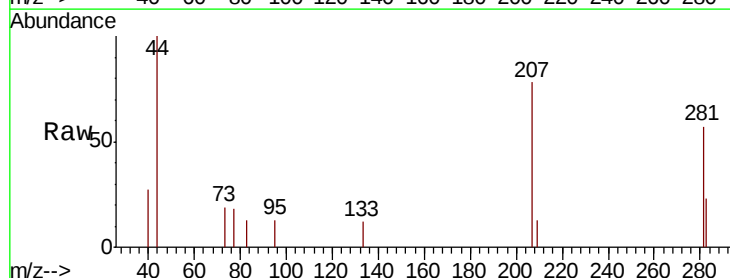
Tgt Ion: 83 Resp: 22

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

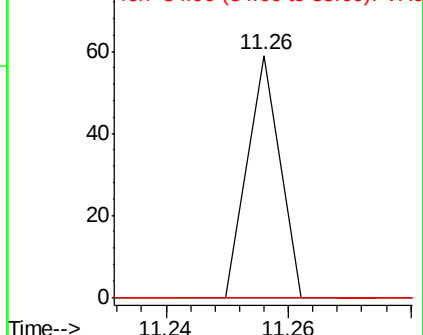
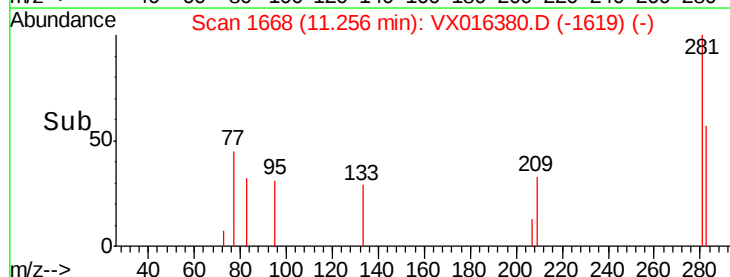
85 0.0 32.0 96.0#

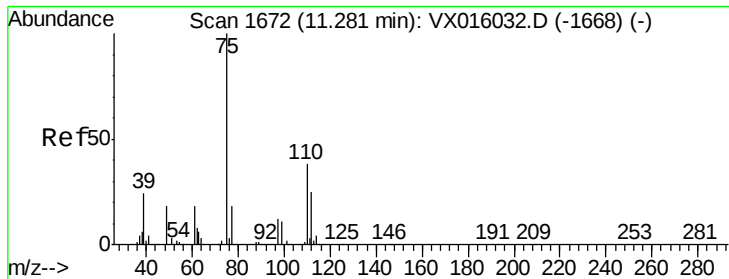


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.587 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

Instrument :

MSVOA_X

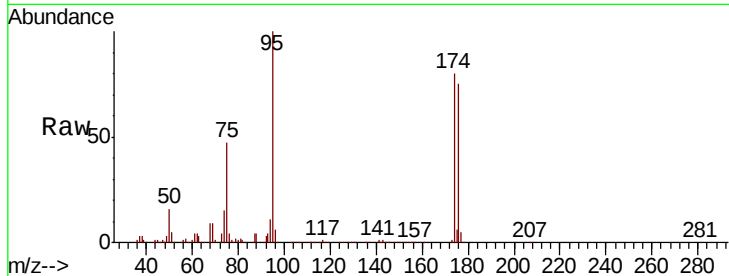
ClientSampleId :

Tot Ion: 75 Resp: 91634

Ion Ratio Lower Upper

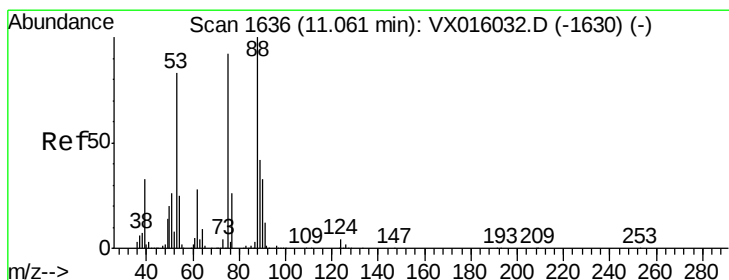
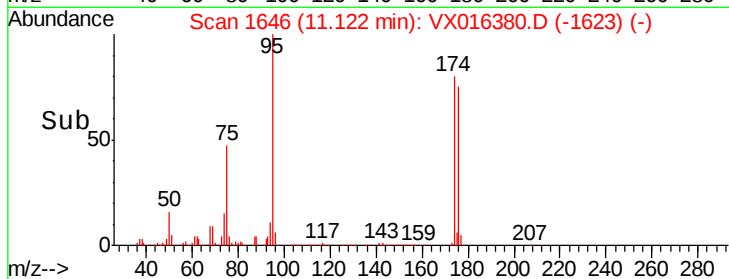
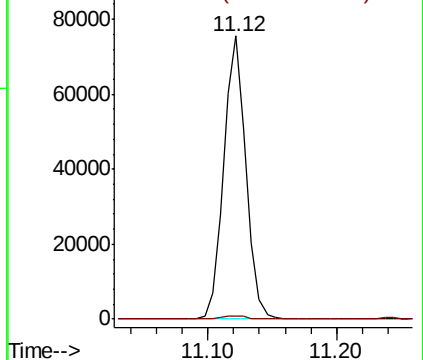
75 100

77 1.2 21.2 63.6#



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: 51.443 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

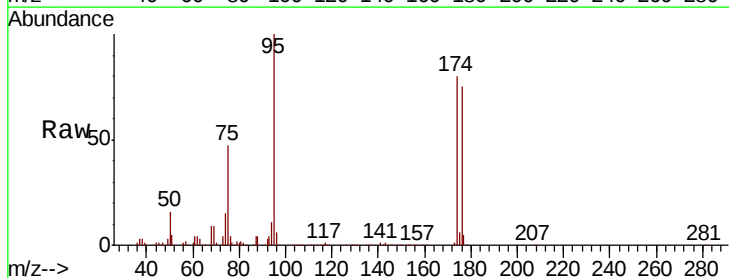
Tgt Ion: 75 Resp: 91634

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

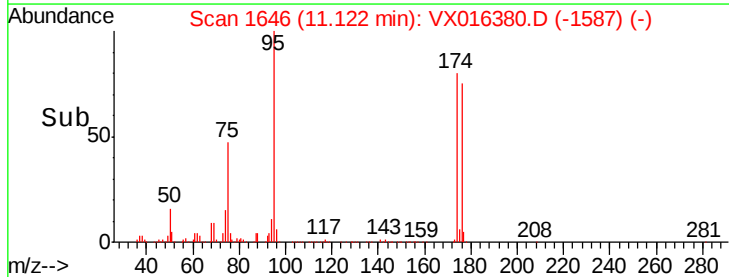
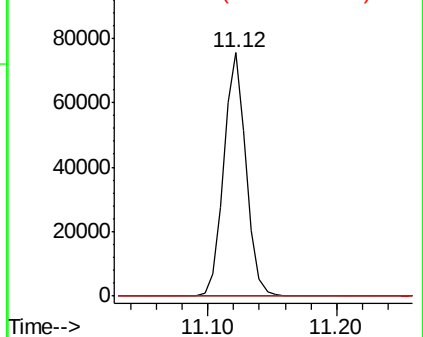
89 0.0 36.7 55.1#

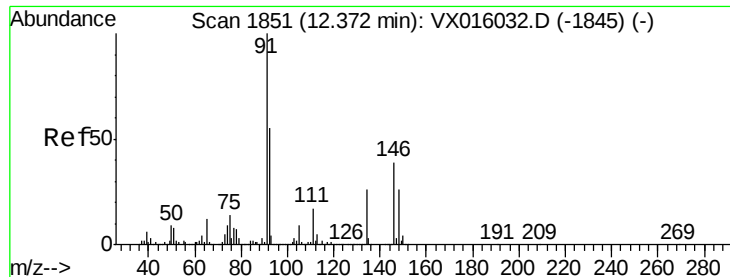


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#89

n-Butylbenzene

Concen: 0.226 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

Instrument :

MSVOA_X

ClientSampleId :

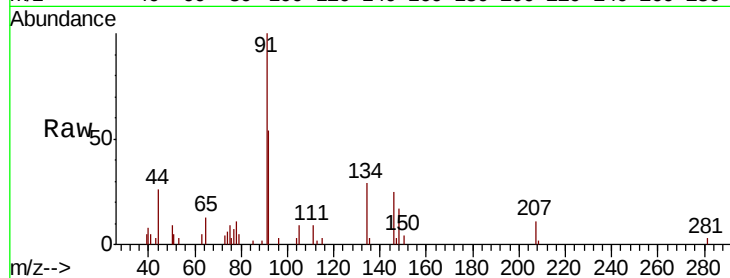
Tot Ion: 91 Resp: 2561

Ion Ratio Lower Upper

91 100

92 55.3 27.6 82.7

134 29.1 13.4 40.1

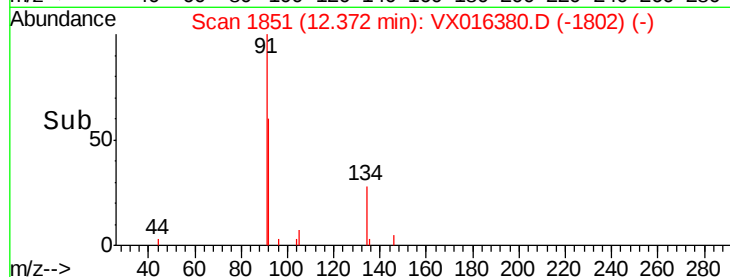


Abundance Ion 91.00 (90.70 to 91.70): VX016380.D (-1802) (-)

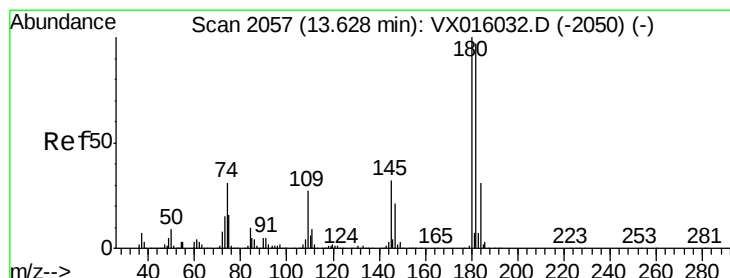
Ion 92.00 (91.70 to 92.70): VX016380.D (-1802) (-)

Ion 134.00 (133.70 to 134.70): VX016380.D (-1802) (-)

Time-->



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.304 ug/l

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

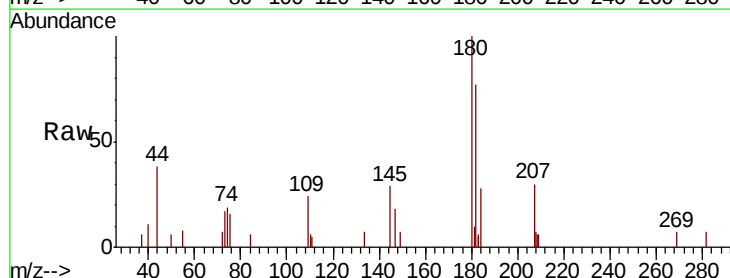
Tgt Ion: 180 Resp: 1366

Ion Ratio Lower Upper

180 100

182 103.3 48.7 146.1

145 32.2 15.7 47.1

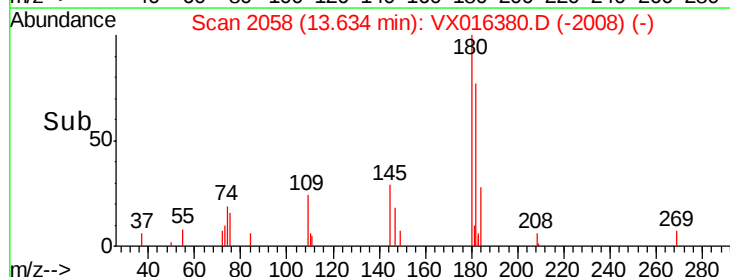


Abundance Ion 179.80 (179.50 to 180.50): VX016380.D (-2008) (-)

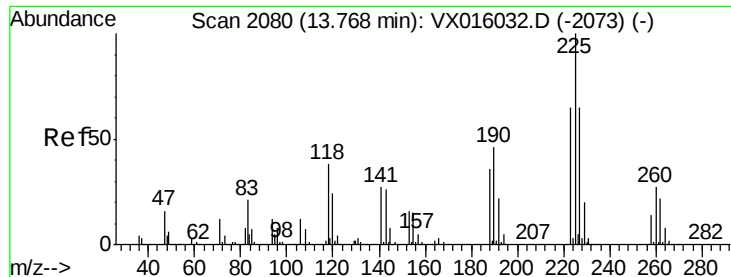
Ion 181.80 (181.50 to 182.50): VX016380.D (-2008) (-)

Ion 144.80 (144.50 to 145.50): VX016380.D (-2008) (-)

Time-->



Time-->



#94

Hexachlorobutadiene

Concen: 1.251 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

Instrument :

MSVOA_X

ClientSampled :

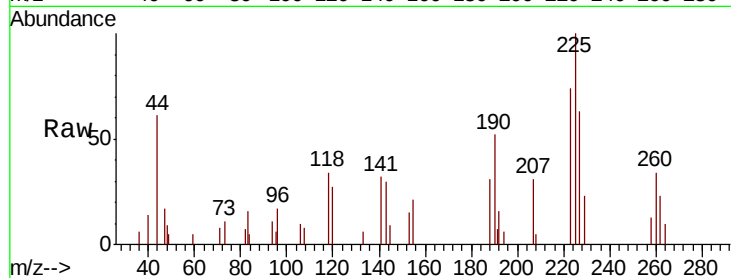
Tot Ion:225 Resp: 1423

Ion Ratio Lower Upper

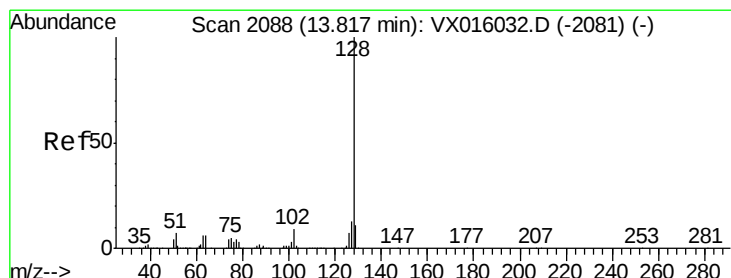
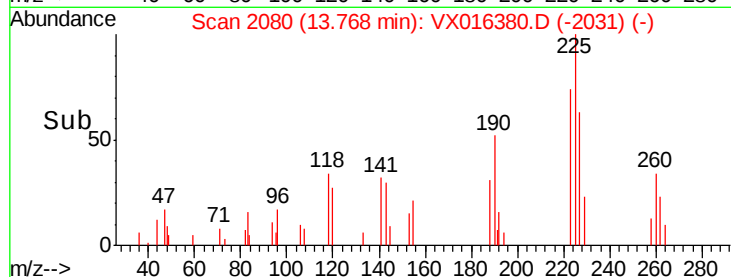
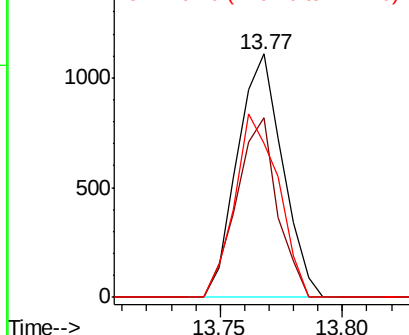
225 100

223 66.8 32.3 96.9

227 72.6 31.8 95.4



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



#95

Naphthalene

Concen: 0.222 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016380.D

Acq: 21 May 2020 13:55

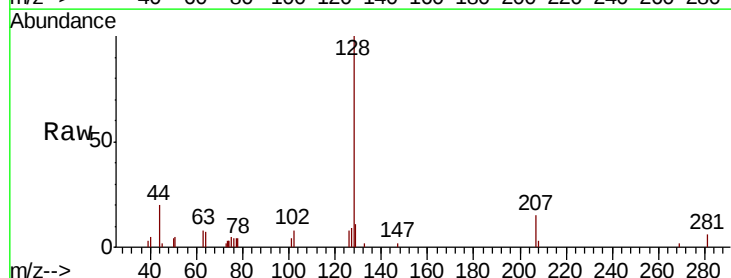
Tgt Ion:128 Resp: 3229

Ion Ratio Lower Upper

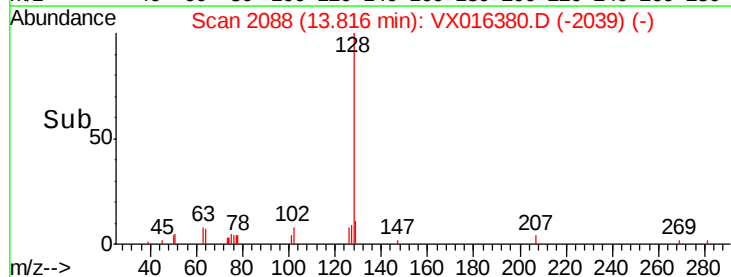
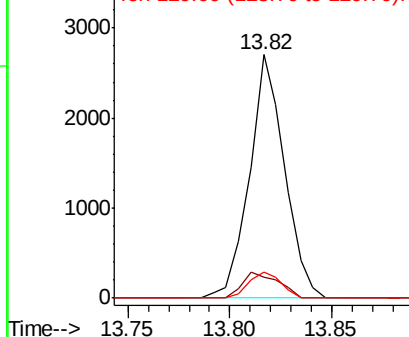
128 100

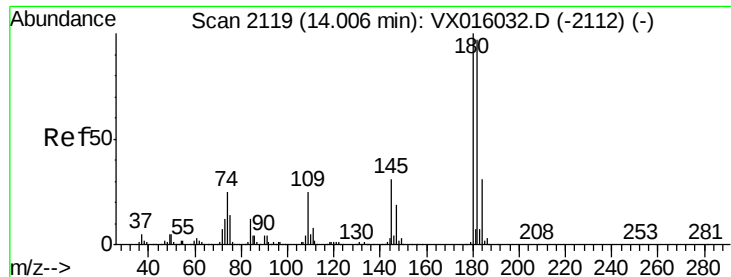
127 10.7 10.2 15.4

129 9.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.307 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016380.D
 Acq: 21 May 2020 13:55

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.7	48.4	145.0
145	31.3	16.4	49.1

