

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082020\
 Data File : VX018034.D
 Acq On : 20 Aug 2020 14:56
 Operator : JC/SP
 Sample : L3721-02DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 I-LDC-6DL

Quant Time: Aug 21 01:25:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	569721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	917221	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	850024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	424387	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	373697	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	
35) Dibromofluoromethane	5.47	113	303682	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	
50) Toluene-d8	8.70	98	1094007	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	
62) 4-Bromofluorobenzene	11.12	95	406228	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	

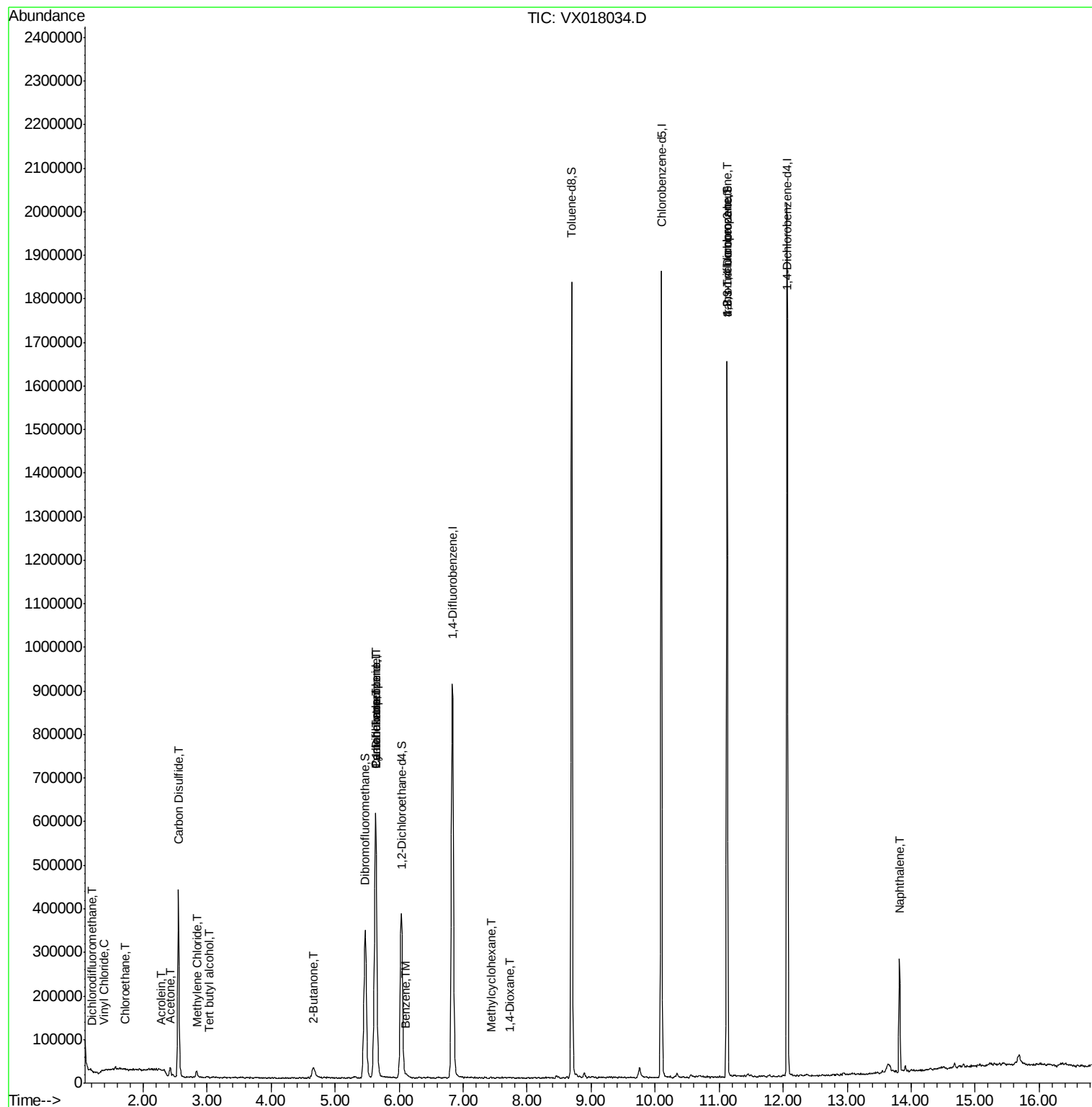
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	466	1.042	ug/l #	61
4) Vinyl Chloride	1.39	62	399	2.307	ug/l #	53
6) Chloroethane	1.73	64	945	0.221	ug/l #	49
11) Tert butyl alcohol	3.03	59	532	0.330	ug/l #	71
13) Acrolein	2.28	56	508	0.596	ug/l #	79
16) Acetone	2.42	43	20754	6.317	ug/l	97
17) Carbon Disulfide	2.55	76	526652	42.269	ug/l	99
20) Methylene Chloride	2.84	84	7061	1.166	ug/l #	96
25) 2-Butanone	4.65	43	5837	1.173	ug/l #	67
31) Cyclohexane	5.63	56	11146	1.291	ug/l #	14
36) 1,1-Dichloropropene	5.63	75	42754	5.569	ug/l #	50
38) Carbon Tetrachloride	5.63	117	58185	5.856	ug/l #	16
39) Methylcyclohexane	7.44	83	273	0.840	ug/l #	16
40) Benzene	6.11	78	8678	0.375	ug/l #	49
49) 1,4-Dioxane	7.73	88	330	2.193	ug/l #	55
76) 1,2,3-Trichloropropane	11.12	75	206599	22.891	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	206599	60.138	ug/l #	12
95) Naphthalene	13.82	128	155946	5.898	ug/l	100

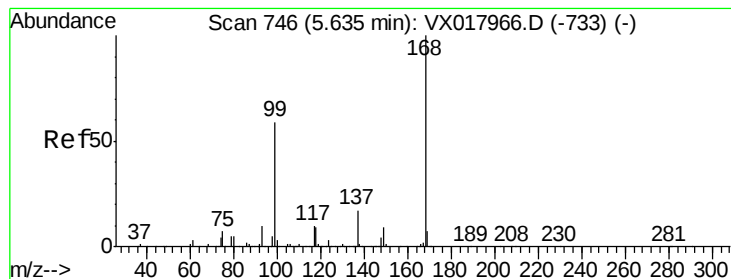
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

Instrument :

MSVOA_X

ClientSampleId :

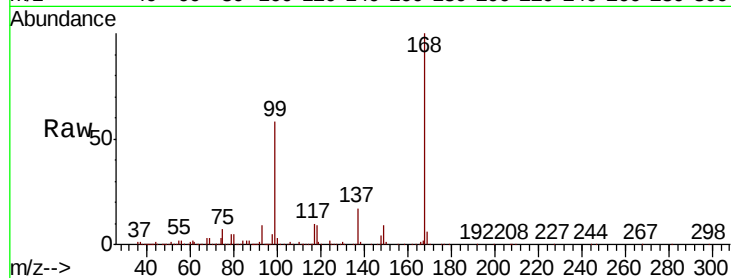
I-LDC-6DL

Tot Ion:168 Resp: 569721

Ion Ratio Lower Upper

168 100

99 57.6 47.4 71.2



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

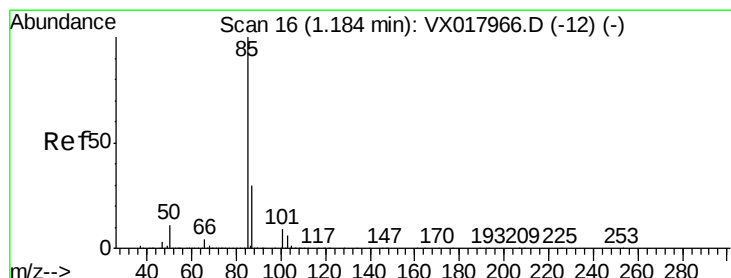
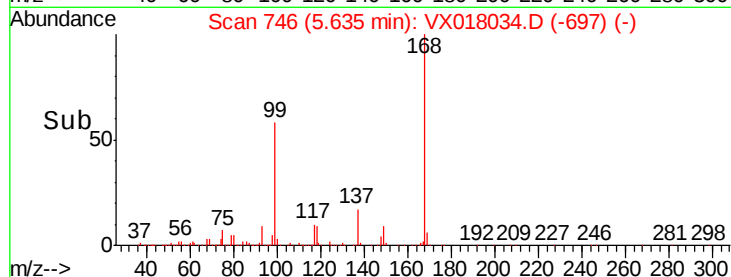
0

Time-->

5.50

5.60

5.70



#2

Dichlorodifluoromethane

Concen: 1.042 ug/l

RT: 1.20 min Scan# 18

Delta R.T. 0.01 min

Lab File: VX018034.D

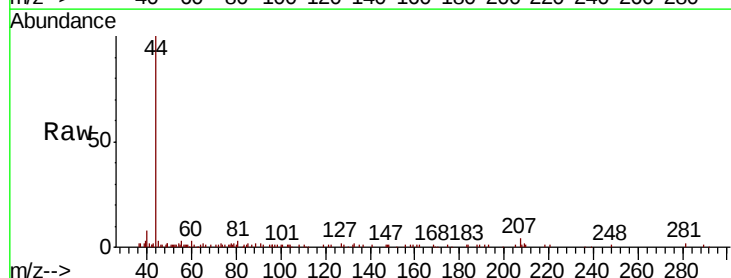
Acq: 20 Aug 2020 14:56

Tgt Ion: 85 Resp: 466

Ion Ratio Lower Upper

85 100

87 51.7 15.3 45.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

300

250

200

150

100

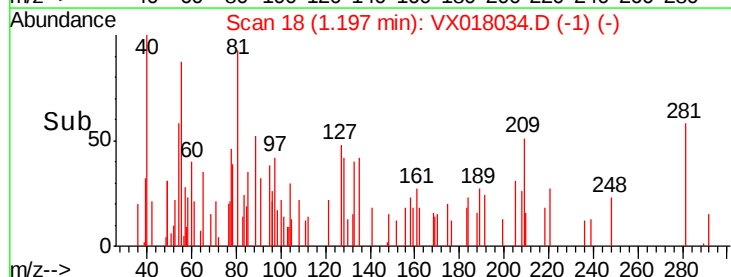
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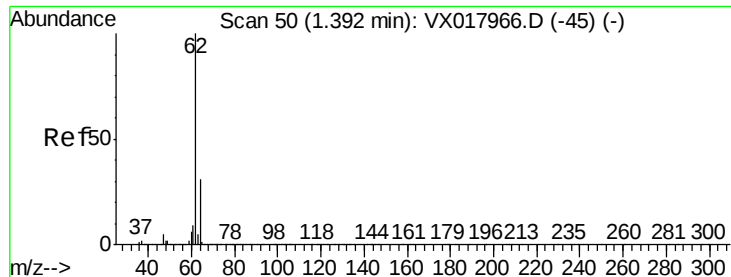
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Time-->

1.15

1.20





#4

Vinyl Chloride

Concen: 2.307 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

Instrument :

MSVOA_X

ClientSampled :

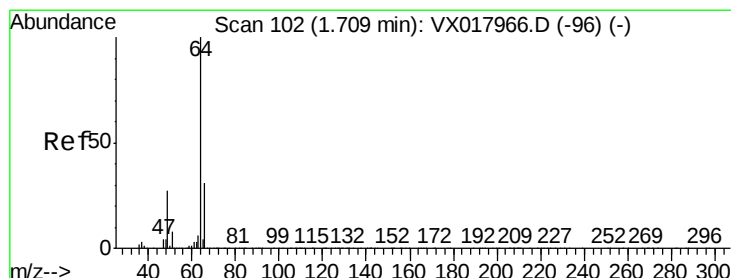
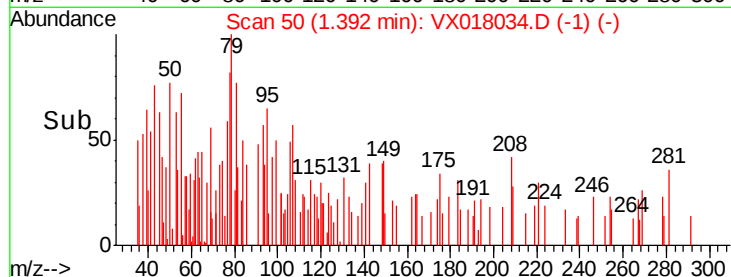
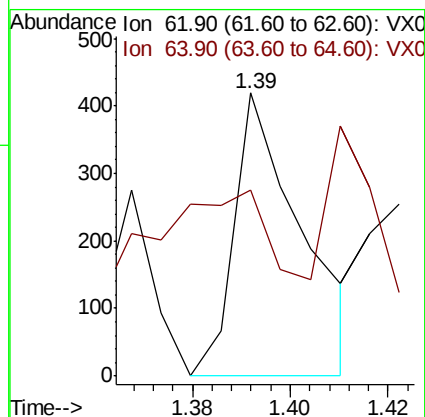
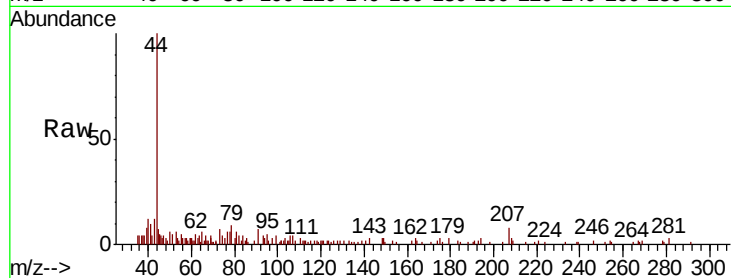
I-LDC-6DL

Tot Ion: 62 Resp: 399

Ion Ratio Lower Upper

62 100

64 5.0 24.7 37.1#



#6

Chloroethane

Concen: 0.221 ug/l

RT: 1.73 min Scan# 105

Delta R.T. 0.02 min

Lab File: VX018034.D

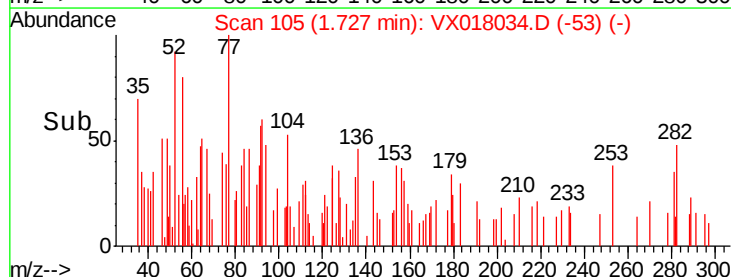
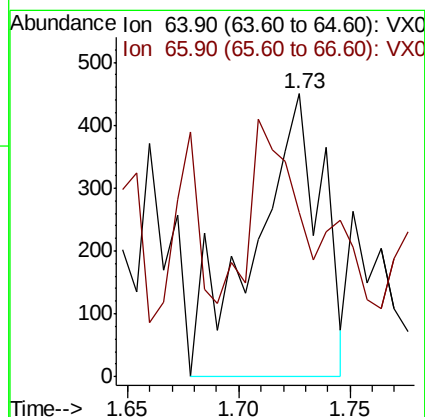
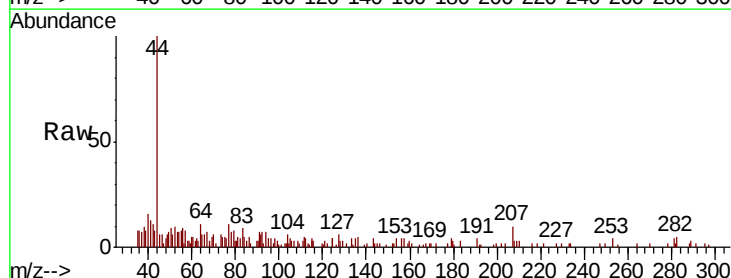
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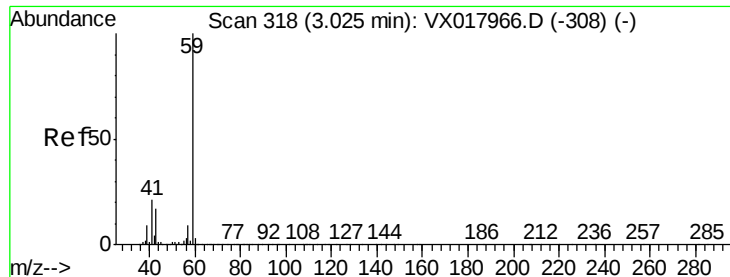
Tgt Ion: 64 Resp: 945

Ion Ratio Lower Upper

64 100

66 2.9 25.0 37.4#



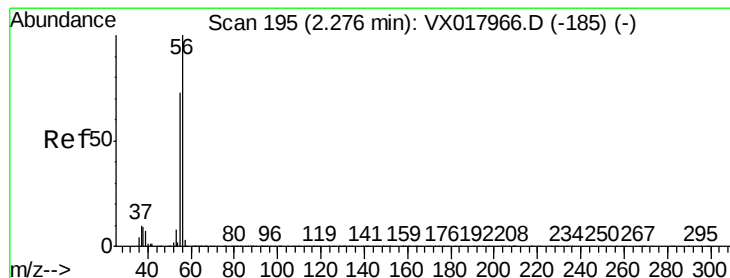
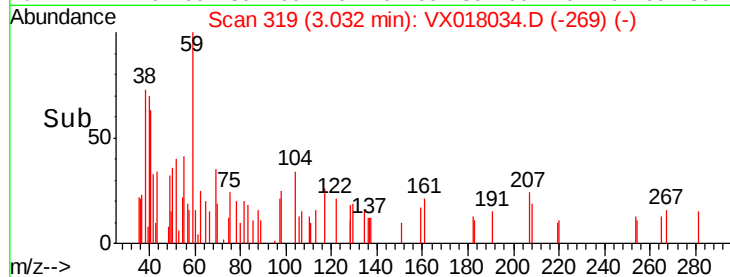
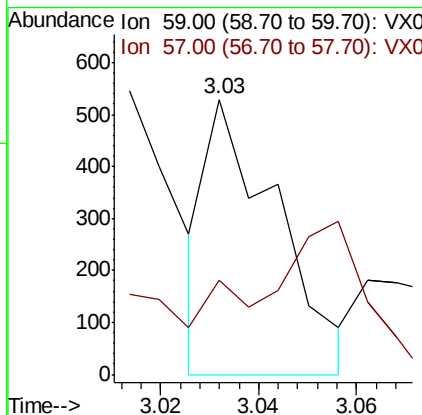
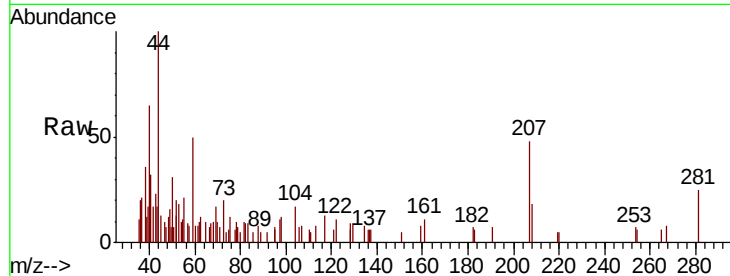


#11

Tert butyl alcohol
 Concen: 0.330 ug/l
 RT: 3.03 min Scan# 319
 Delta R.T. 0.01 min
 Lab File: VX018034.D
 Acq: 20 Aug 2020 14:56

Instrument :
 MSVOA_X
 ClientSampled :
 I-LDC-6DL

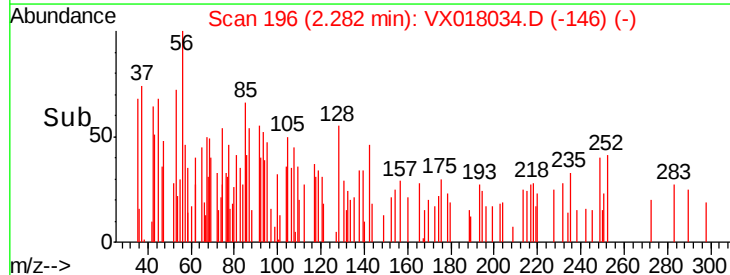
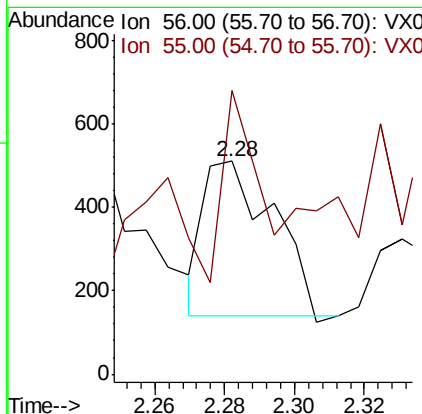
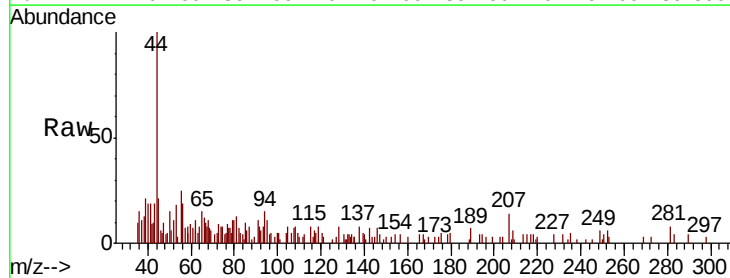
Tot Ion: 59 Resp: 532
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0#

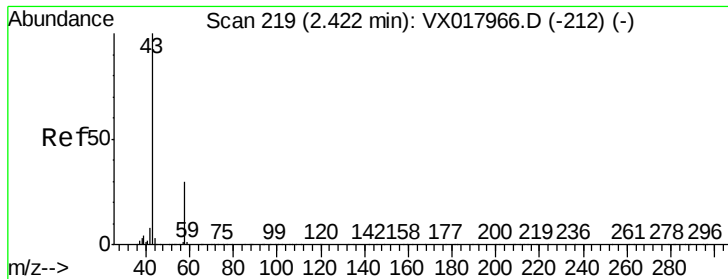


#13

Acrolein
 Concen: 0.596 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX018034.D
 Acq: 20 Aug 2020 14:56

Tgt Ion: 56 Resp: 508
 Ion Ratio Lower Upper
 56 100
 55 90.2 58.2 87.4#





#16

Acetone

Concen: 6.317 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

Instrument :

MSVOA_X

ClientSampleId :

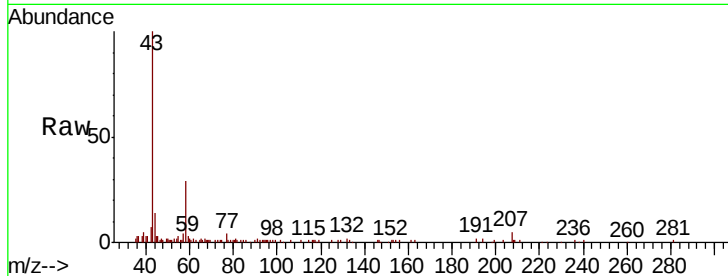
I-LDC-6DL

Tot Ion: 43 Resp: 20754

Ion Ratio Lower Upper

43 100

58 28.4 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

15000

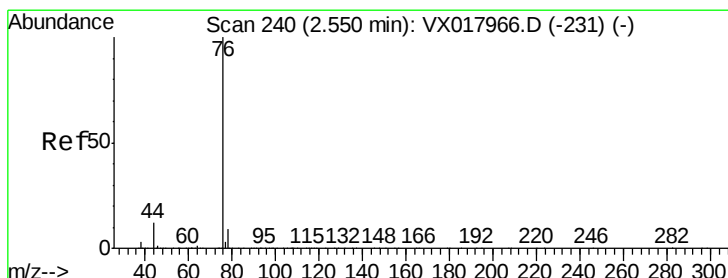
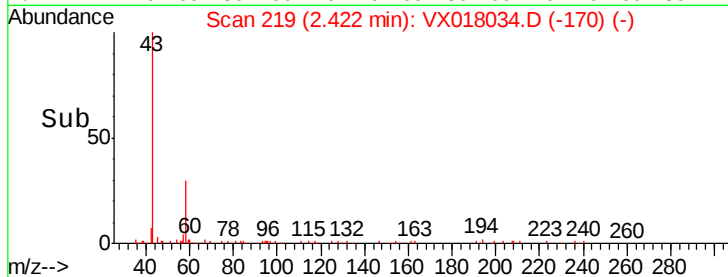
10000

5000

0

Time-->

2.35 2.40 2.45 2.50 2.55



#17

Carbon Disulfide

Concen: 42.269 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018034.D

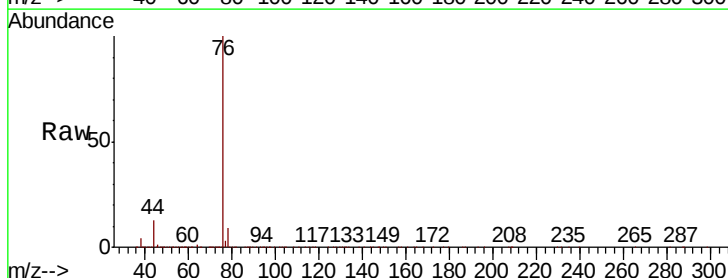
Acq: 20 Aug 2020 14:56

Tgt Ion: 76 Resp: 526652

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

300000

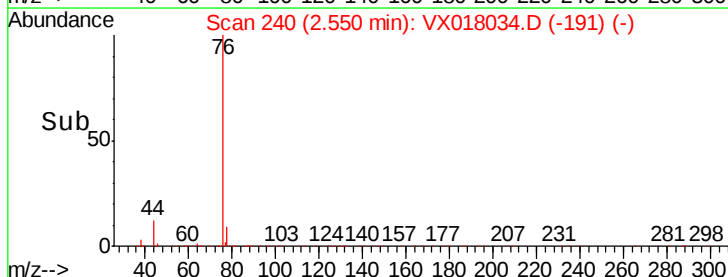
200000

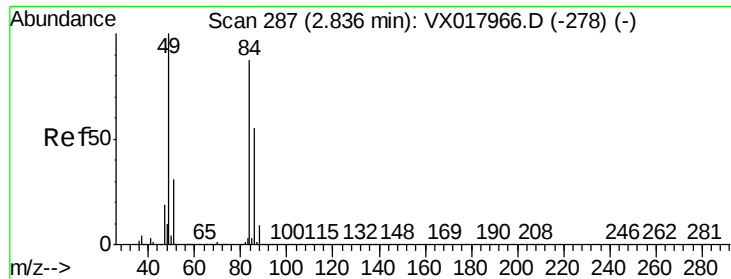
100000

0

Time-->

2.50 2.60

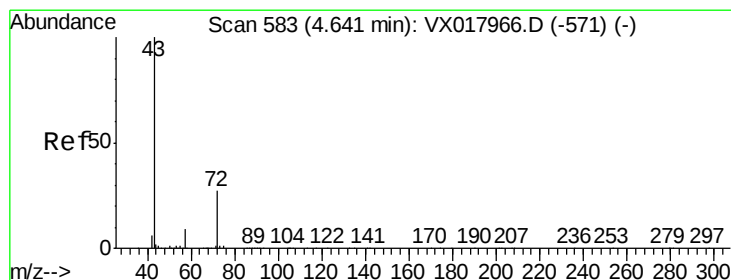
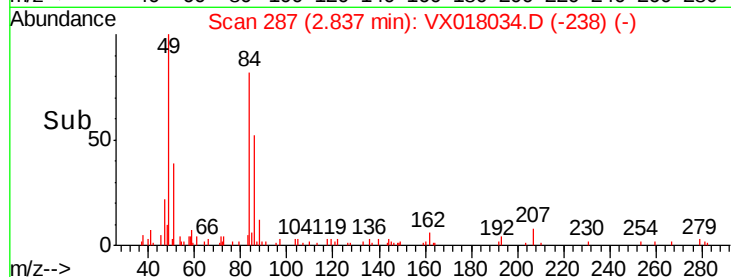
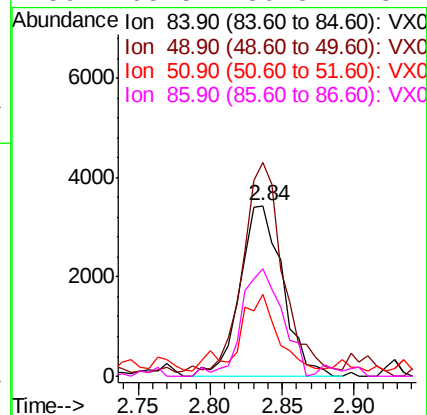
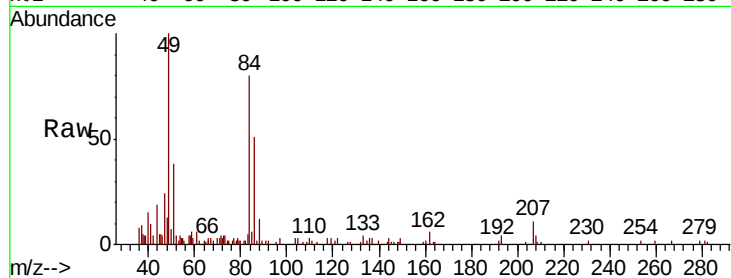




#20
Methvlene Chloride
Concen: 1.166 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX018034.D
Acq: 20 Aug 2020 14:56

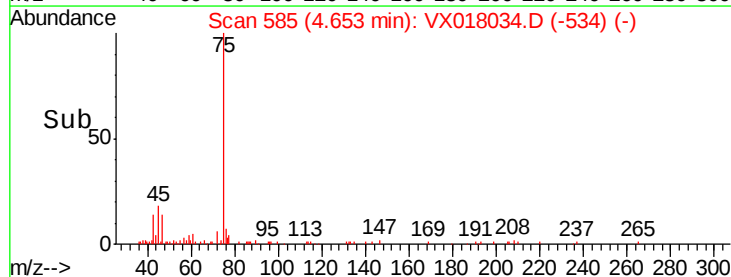
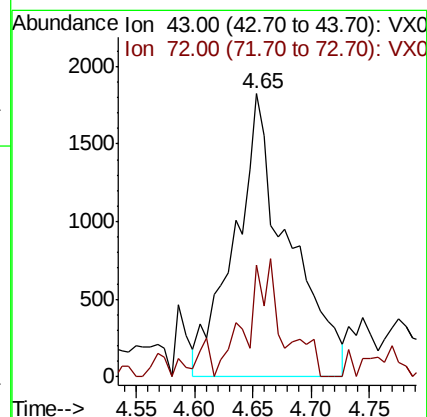
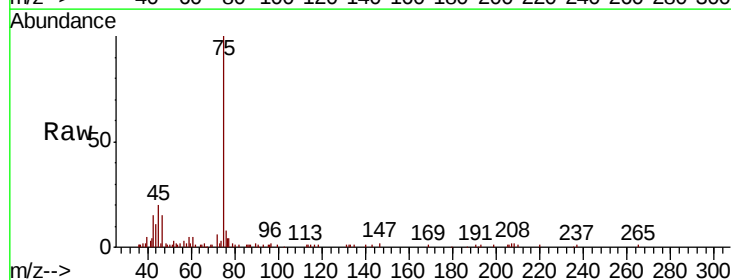
Instrument :
MSVOA_X
ClientSampleId :
I-LDC-6DL

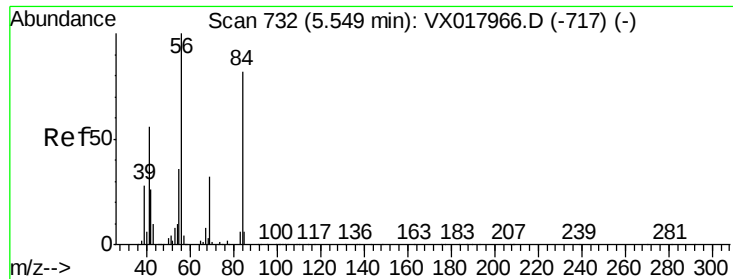
Tot Ion: 84 Resp: 7061
Ion Ratio Lower Upper
84 100
49 119.1 91.8 137.6
51 42.0 27.8 41.8#
86 63.5 50.5 75.7



#25
2-Butanone
Concen: 1.173 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX018034.D
Acq: 20 Aug 2020 14:56

Tgt Ion: 43 Resp: 5837
Ion Ratio Lower Upper
43 100
72 43.8 21.4 32.2#

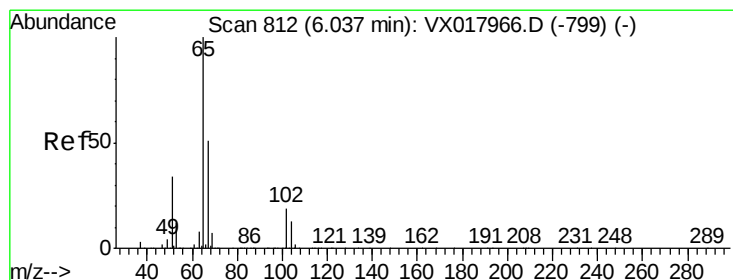
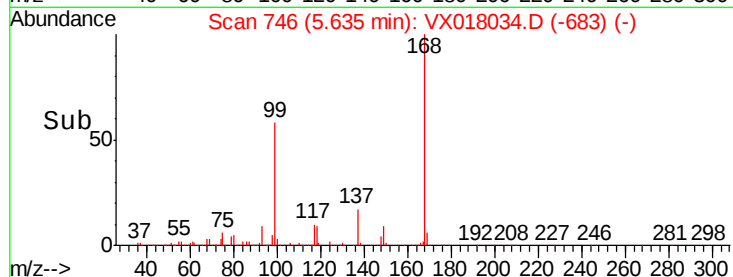
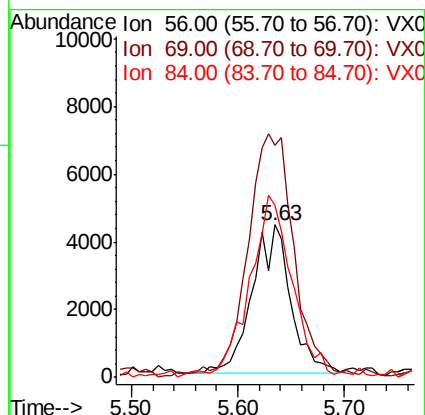
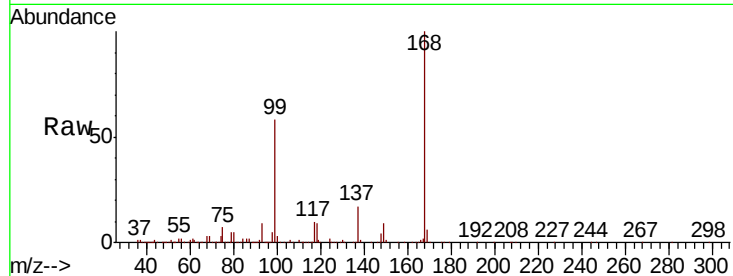




#31
Cyclohexane
Concen: 1.291 ug/l
RT: 5.63 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX018034.D
Acq: 20 Aug 2020 14:56

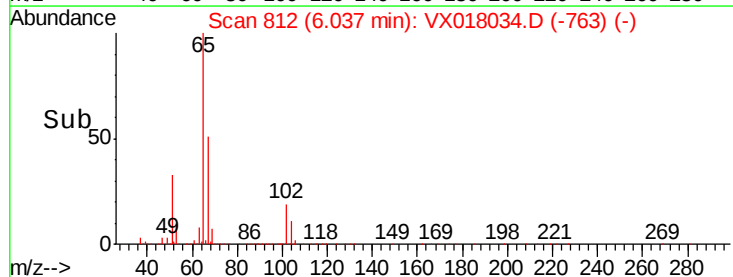
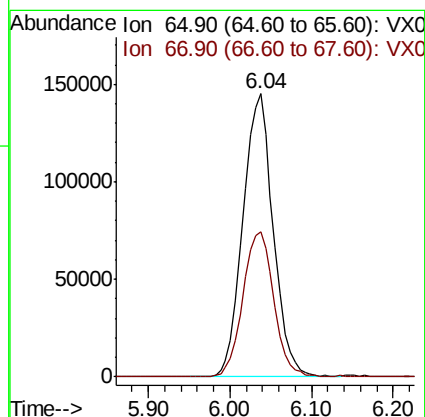
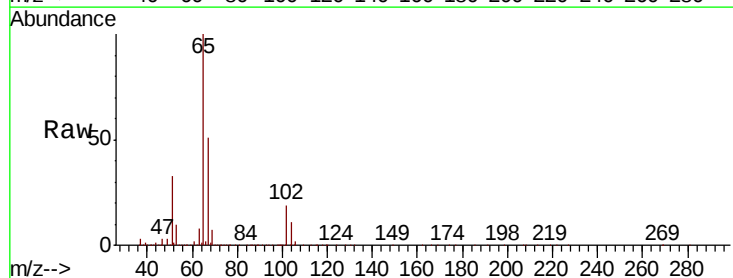
Instrument :
MSVOA_X
ClientSampleID :
I-LDC-6DL

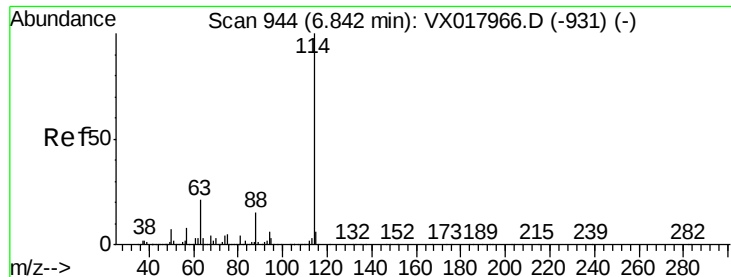
Tot Ion: 56 Resp: 11146
Ion Ratio Lower Upper
56 100
69 153.8 25.3 37.9#
84 111.8 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 44.745 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.00 min
Lab File: VX018034.D
Acq: 20 Aug 2020 14:56

Tgt Ion: 65 Resp: 373697
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

Instrument :

MSVOA_X

ClientSampled :

I-LDC-6DL

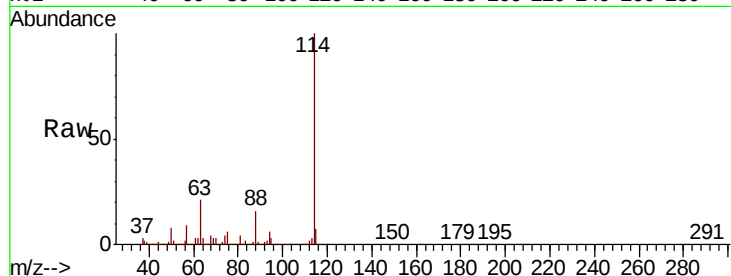
Tot Ion:114 Resp: 917221

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

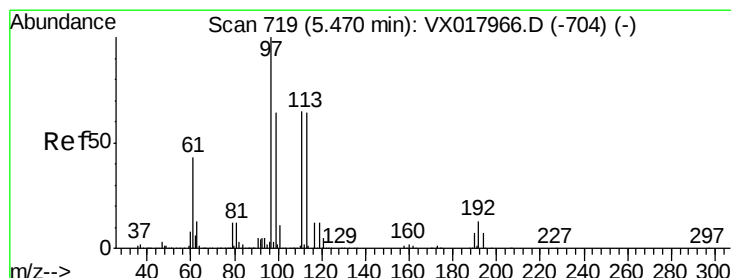
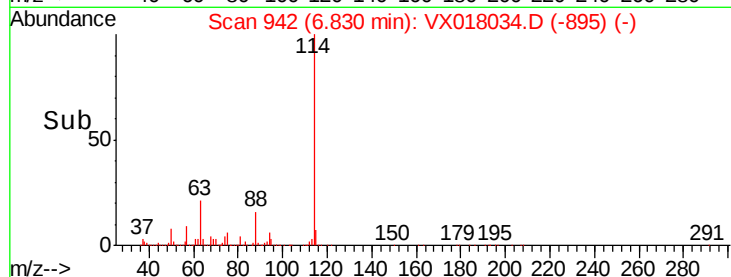
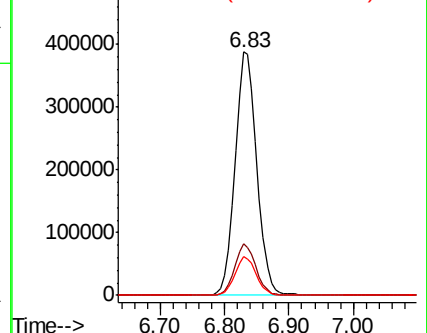
88 16.0 0.0 30.2



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: 44.460 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

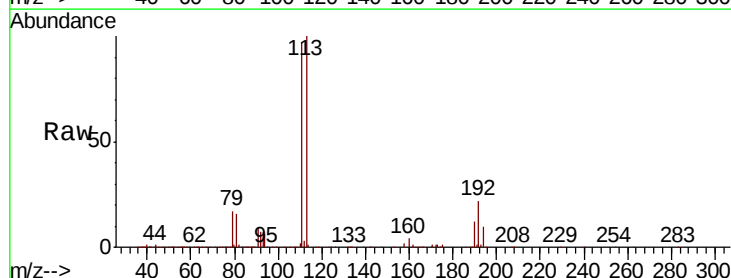
Tgt Ion:113 Resp: 303682

Ion Ratio Lower Upper

113 100

111 100.7 83.5 125.3

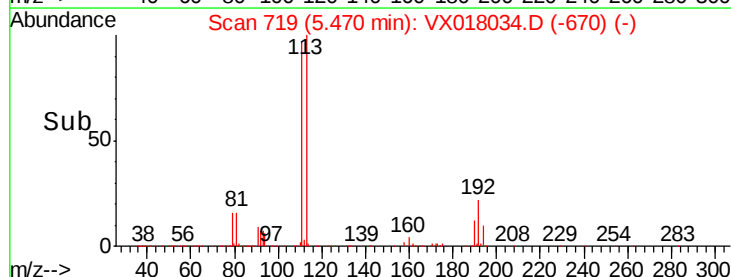
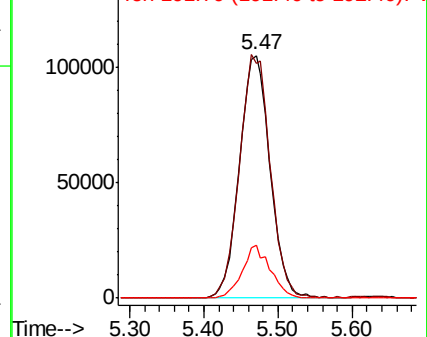
192 20.0 16.2 24.4

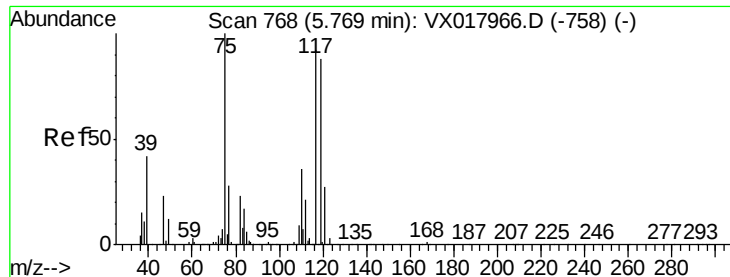


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.569 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

Instrument :

MSVOA_X

ClientSampleId :

I-LDC-6DL

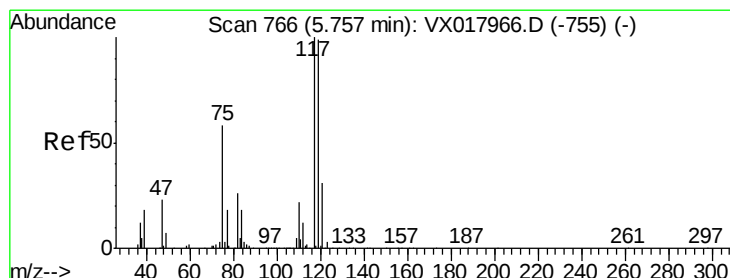
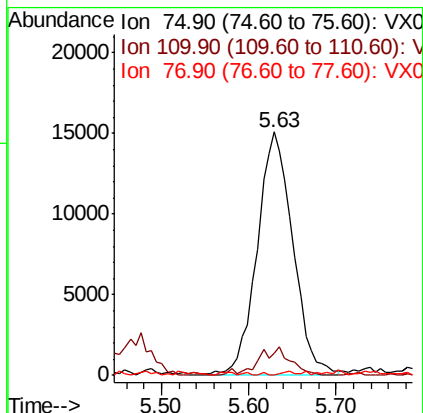
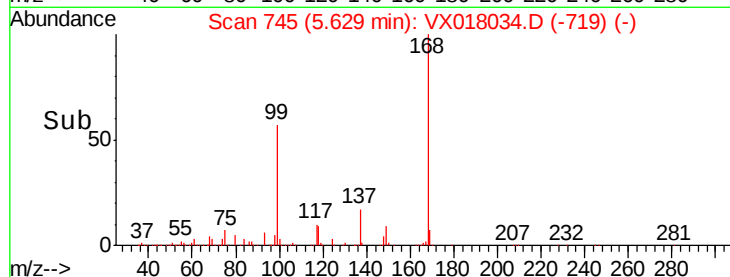
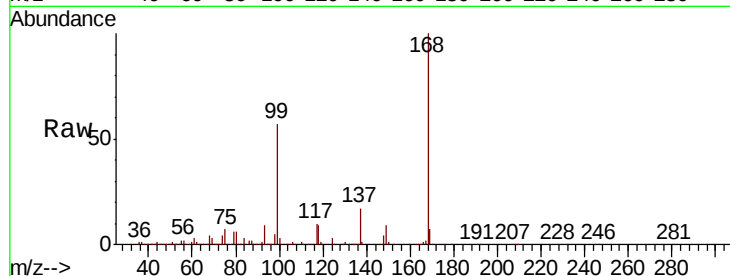
Tot Ion: 75 Resp: 42754

Ion Ratio Lower Upper

75 100

110 9.6 18.7 56.1#

77 0.6 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.856 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

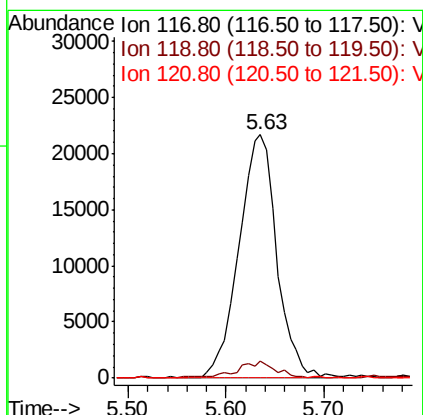
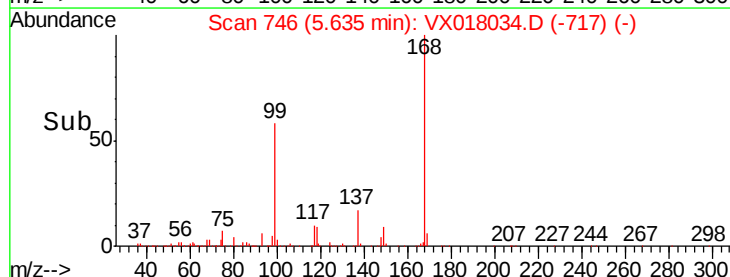
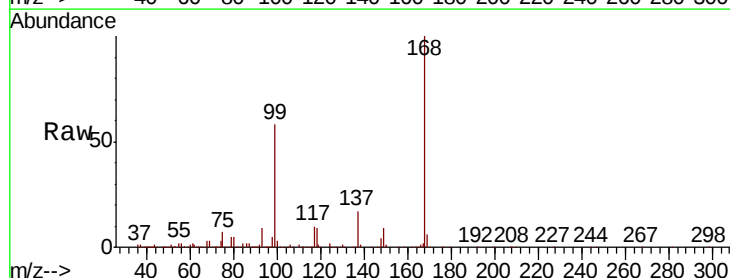
Tgt Ion: 117 Resp: 58185

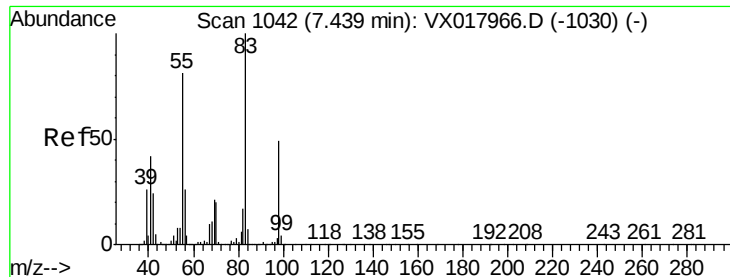
Ion Ratio Lower Upper

117 100

119 6.7 79.0 118.6#

121 0.0 24.7 37.1#

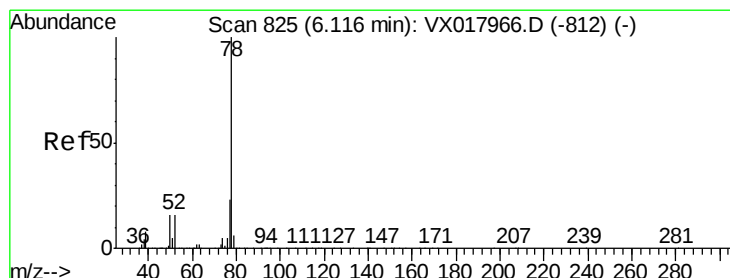
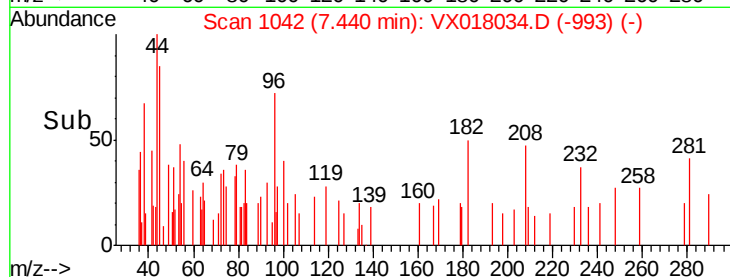
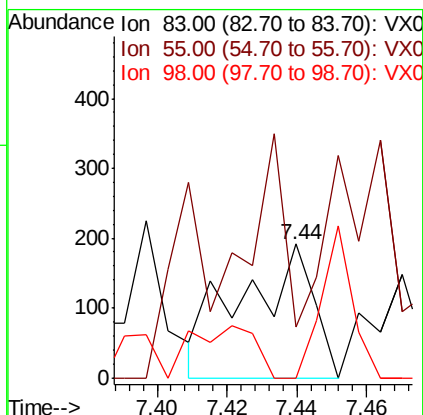
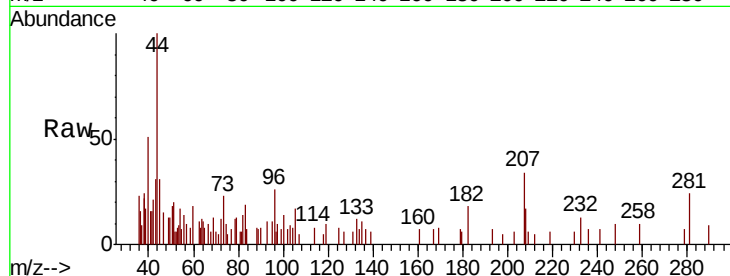




#39
Methvlcvclohexane
Concen: 0.840 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018034.D
Acq: 20 Aug 2020 14:56

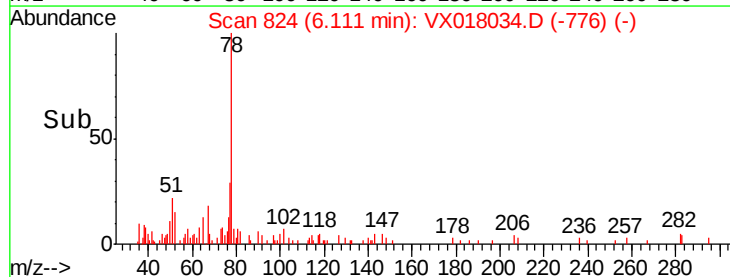
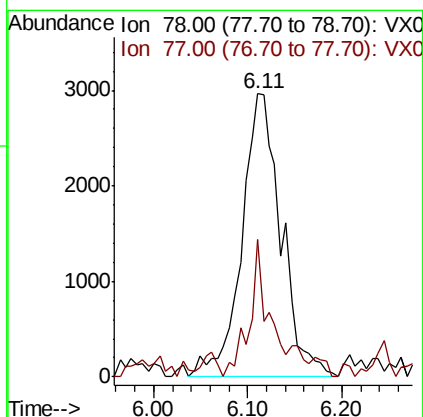
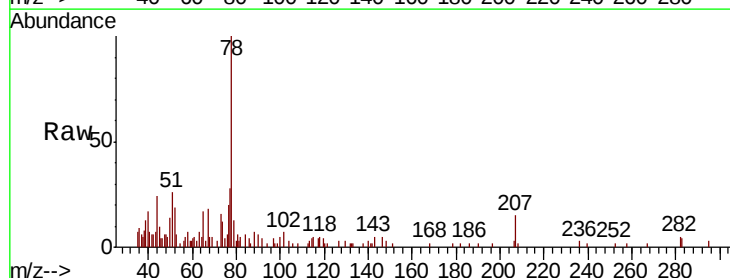
Instrument :
MSVOA_X
ClientSampleId :
I-LDC-6DL

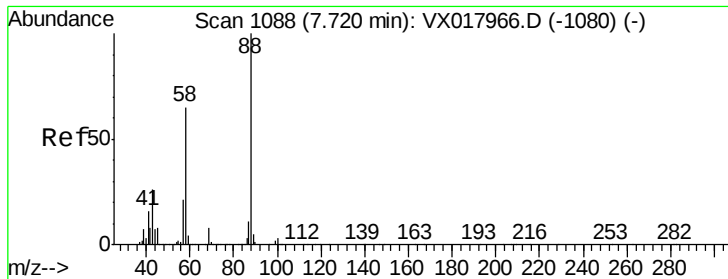
Tot Ion: 83 Resp: 273
Ion Ratio Lower Upper
83 100
55 0.0 64.5 96.7#
98 0.0 39.0 58.6#



#40
Benzene
Concen: 0.375 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX018034.D
Acq: 20 Aug 2020 14:56

Tgt Ion: 78 Resp: 8678
Ion Ratio Lower Upper
78 100
77 48.6 18.8 28.2#





#49

1,4-Dioxane

Concen: 2.193 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

Instrument :

MSVOA_X

ClientSampleId :

I-LDC-6DL

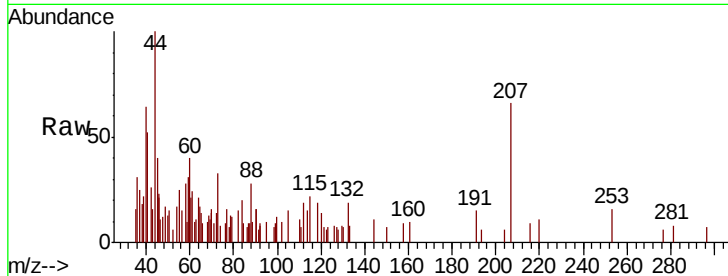
Tot Ion: 88 Resp: 330

Ion Ratio Lower Upper

88 100

43 92.4 27.3 40.9#

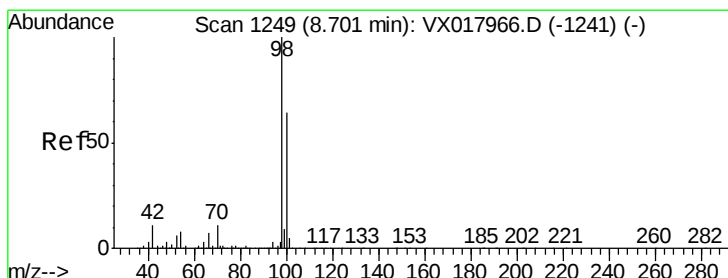
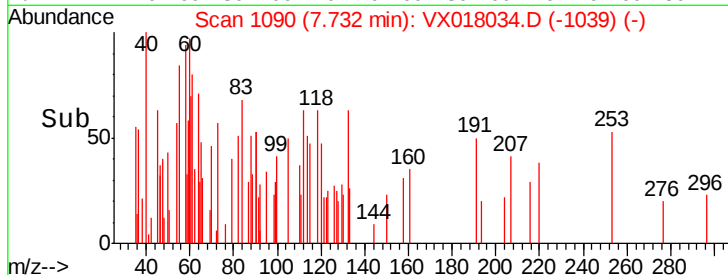
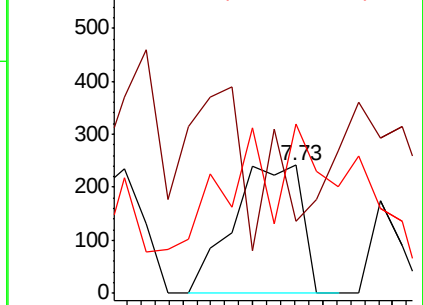
58 57.3 57.7 86.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 45.312 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018034.D

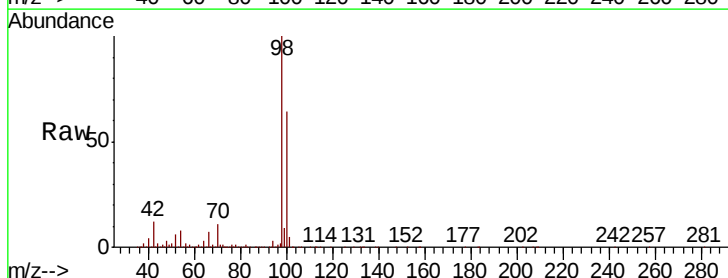
Acq: 20 Aug 2020 14:56

Tgt Ion: 98 Resp: 1094007

Ion Ratio Lower Upper

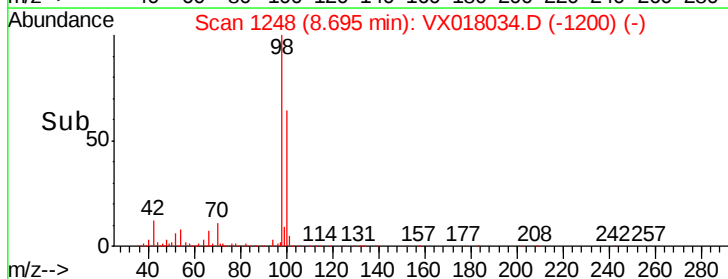
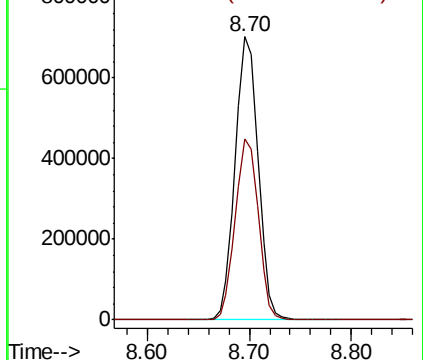
98 100

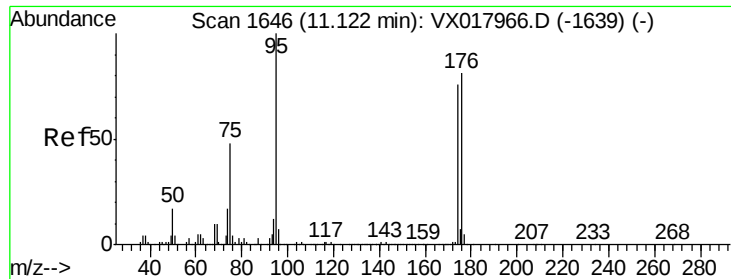
100 64.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.555 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

Instrument :

MSVOA_X

ClientSampleId :

I-LDC-6DL

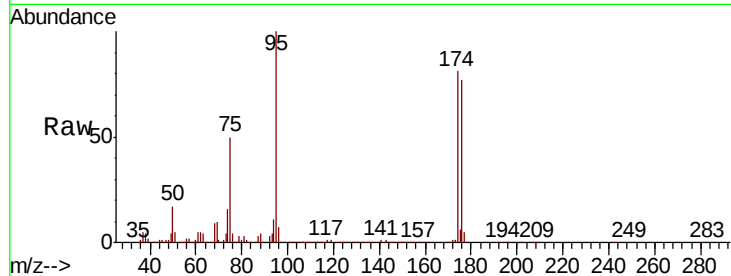
Tot Ion: 95 Resp: 406228

Ion Ratio Lower Upper

95 100

174 81.8 0.0 166.0

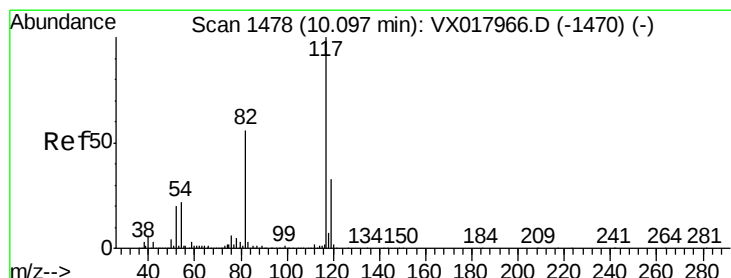
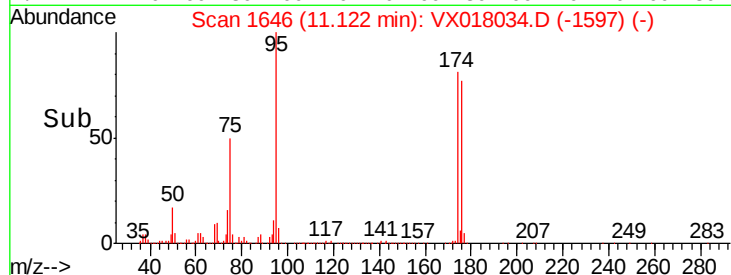
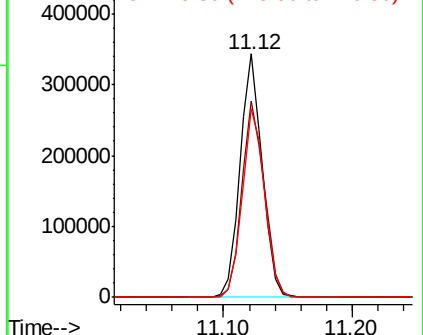
176 78.2 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

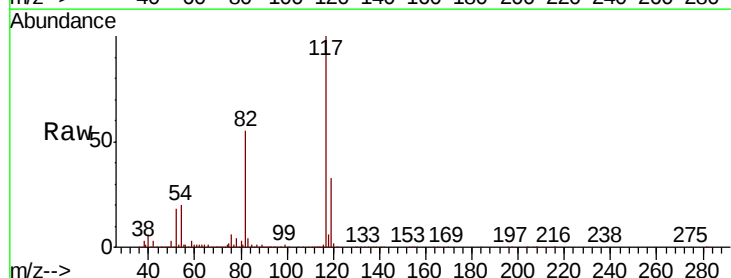
Tgt Ion: 117 Resp: 850024

Ion Ratio Lower Upper

117 100

82 55.1 44.6 66.8

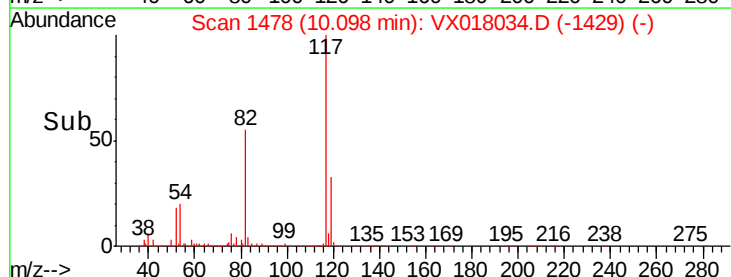
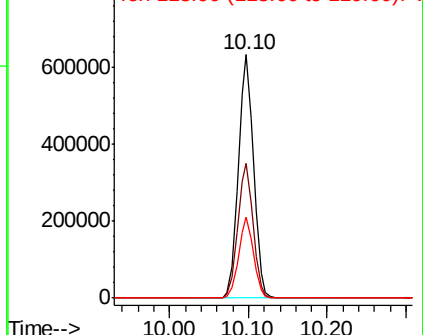
119 33.2 26.2 39.4

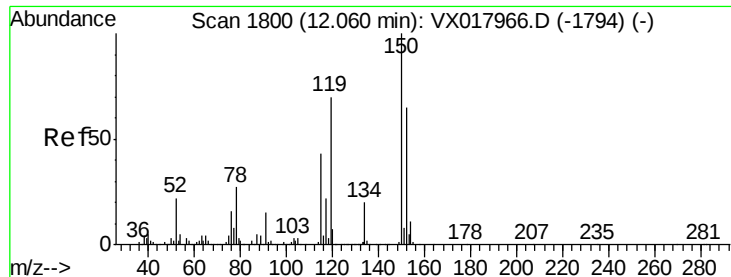


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

Instrument :

MSVOA_X

ClientSampled :

I-LDC-6DL

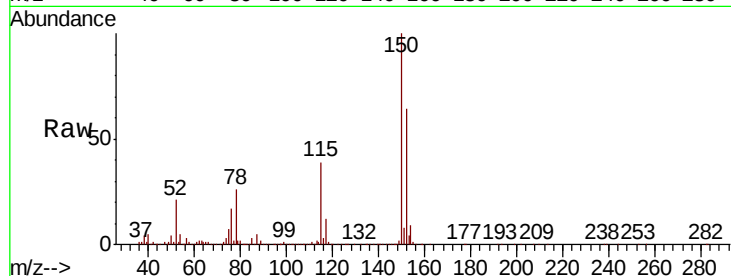
Tot Ion:152 Resp: 424387

Ion Ratio Lower Upper

152 100

115 57.8 40.6 121.7

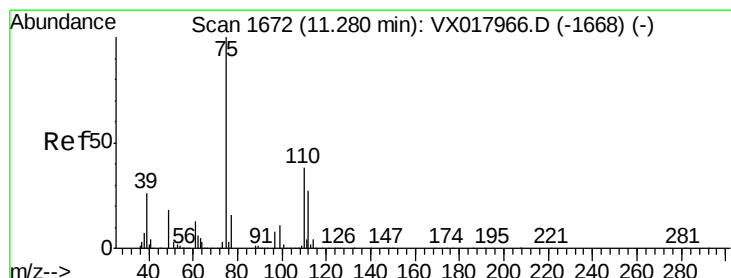
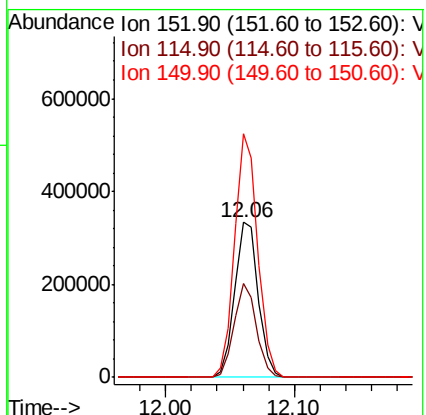
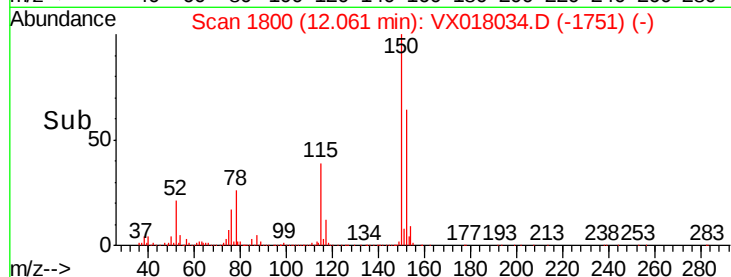
150 153.5 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.891 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018034.D

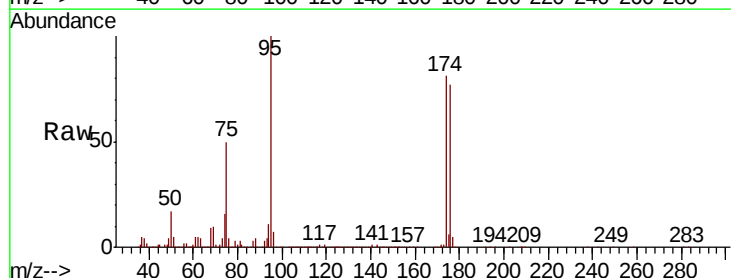
Acq: 20 Aug 2020 14:56

Tgt Ion: 75 Resp: 206599

Ion Ratio Lower Upper

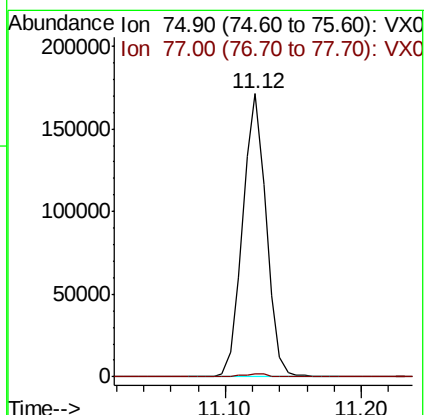
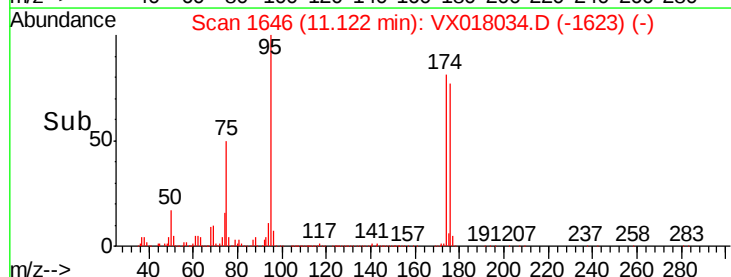
75 100

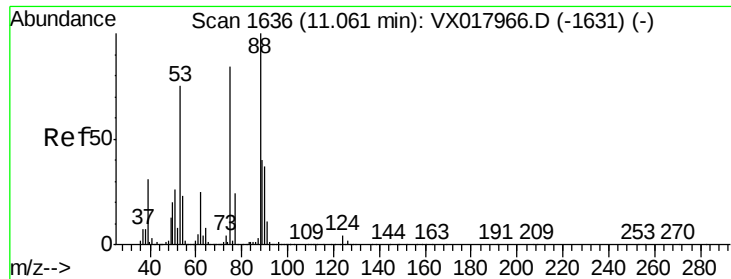
77 1.2 21.1 63.1#



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: 60.138 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

Instrument :

MSVOA_X

ClientSampleId :

I-LDC-6DL

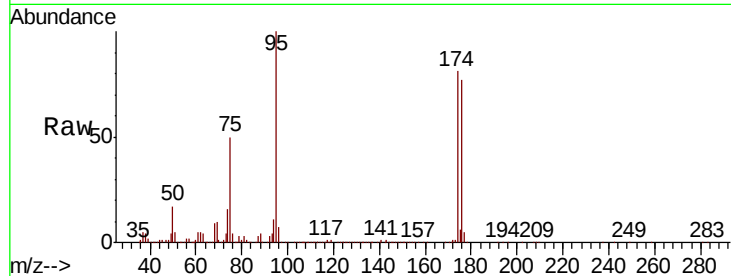
Tot Ion: 75 Resp: 206599

Ion Ratio Lower Upper

75 100

53 0.3 75.2 112.8#

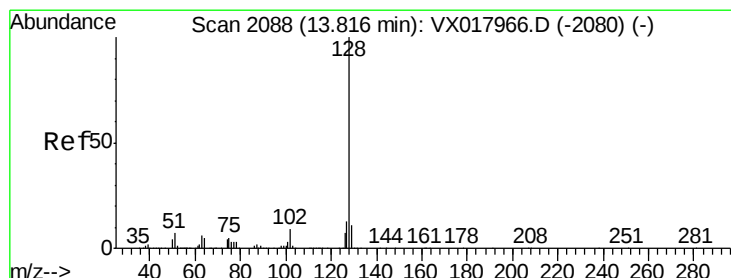
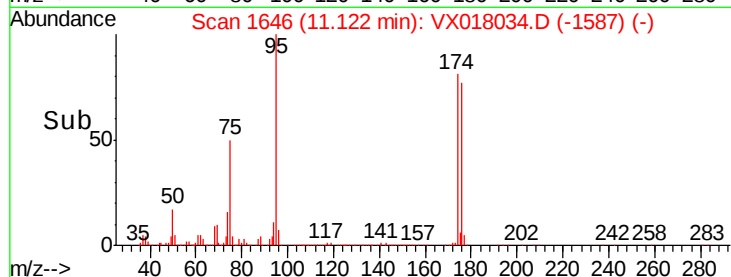
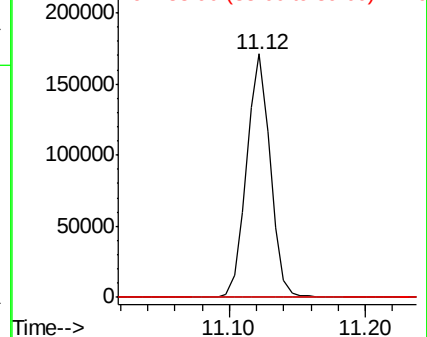
89 0.1 38.4 57.6#



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



#95

Naphthalene

Concen: 5.898 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018034.D

Acq: 20 Aug 2020 14:56

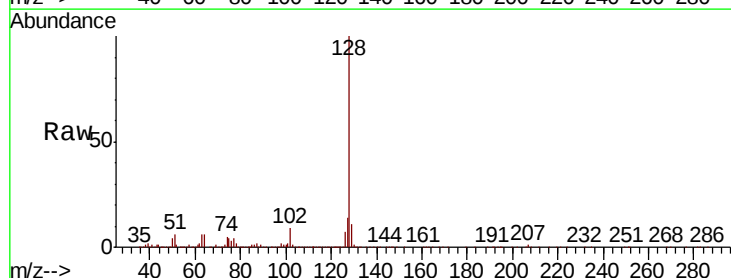
Tgt Ion:128 Resp: 155946

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

129 11.0 8.6 13.0



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

