

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017735.D
 Acq On : 01 Aug 2020 05:10
 Operator : JC/SP
 Sample : L3511-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2

Quant Time: Aug 01 07:10:27 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

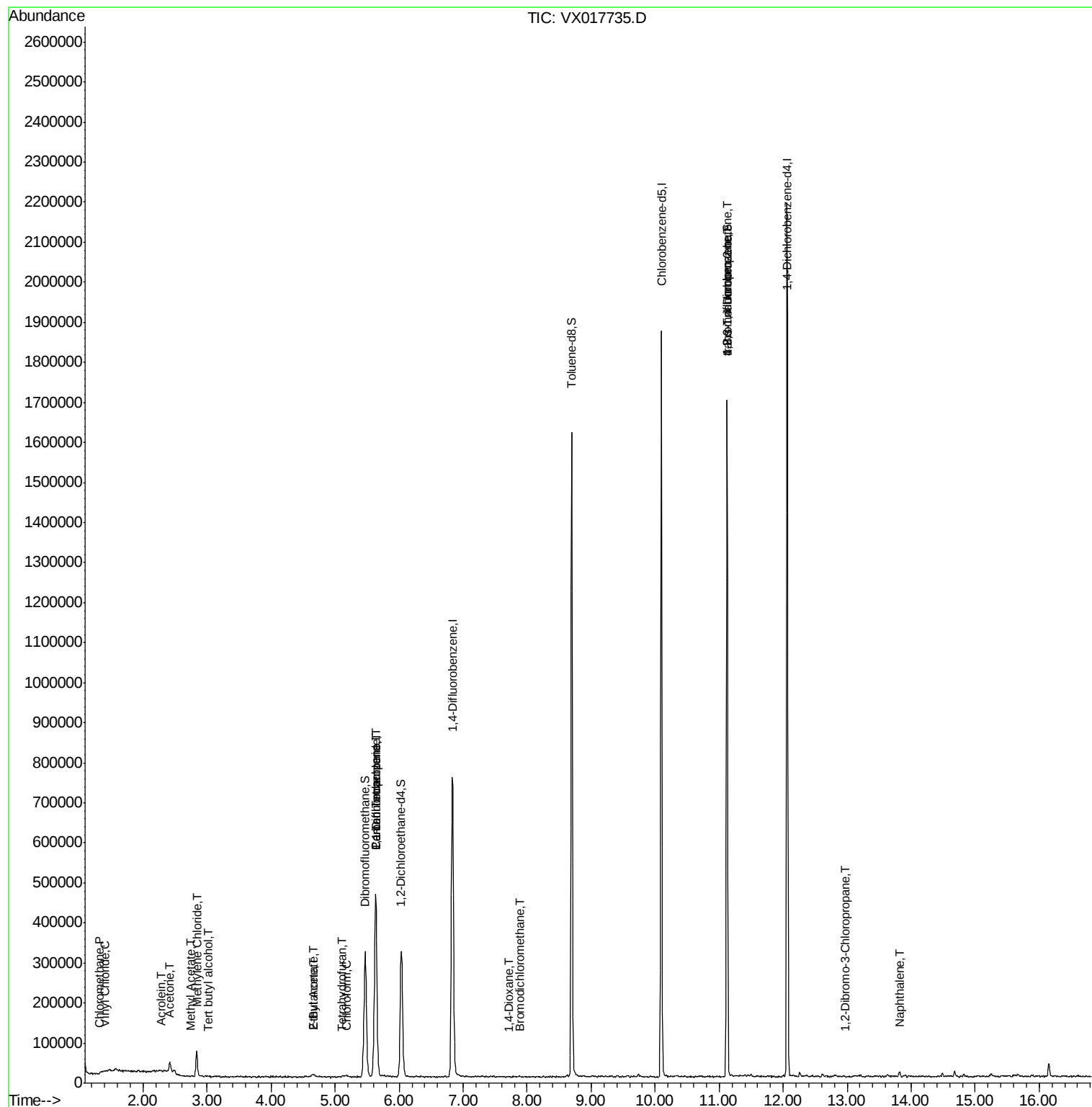
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	431083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	748944	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	828532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	450151	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	313913	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	5.47	113	261844	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	8.70	98	946004	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
62) 4-Bromofluorobenzene	11.12	95	421810	58.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	497	Below Cal		100
3) Chloromethane	1.31	50	2010	0.741 ug/l #		51
4) Vinyl Chloride	1.40	62	1408	0.260 ug/l #		83
5) Bromomethane	1.64	94	1156	Below Cal		95
6) Chloroethane	1.71	64	464	Below Cal #		69
8) Diethyl Ether	2.17	74	1397	Below Cal		88
11) Tert butyl alcohol	3.02	59	2103	1.802 ug/l #		57
13) Acrolein	2.28	56	253	4.428 ug/l #		77
16) Acetone	2.42	43	22443	9.208 ug/l		98
18) Methyl Acetate	2.75	43	1345	0.234 ug/l #		85
20) Methylene Chloride	2.84	84	29491	5.276 ug/l		99
25) 2-Butanone	4.65	43	3858	1.114 ug/l		99
29) Tetrahydrofuran	5.09	42	944	0.440 ug/l #		33
30) Chloroform	5.18	83	3883	0.444 ug/l #		64
36) 1,1-Dichloropropene	5.63	75	33692	4.691 ug/l #		50
37) Ethyl Acetate	4.65	43	3858	0.491 ug/l		96
38) Carbon Tetrachloride	5.64	117	43919	5.035 ug/l #		18
47) Bromodichloromethane	7.88	83	1714	0.211 ug/l #		91
49) 1,4-Dioxane	7.71	88	49	0.398 ug/l #		1
76) 1,2,3-Trichloropropane	11.12	75	214850	23.202 ug/l #		35
81) trans-1,4-Dichloro-2-buten	11.12	75	214850	58.465 ug/l #		11
92) 1,2-Dibromo-3-Chloropropan	12.98	75	122	2.619 ug/l #		11
95) Naphthalene	13.82	128	7339	0.247 ug/l		98

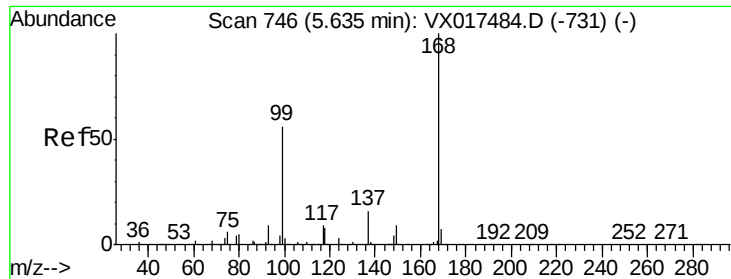
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073120\
Data File : VX017735.D
Acq On : 01 Aug 2020 05:10
Operator : JC/SP
Sample : L3511-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 51 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
TP-2

Quant Time: Aug 01 07:10:27 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: VX017735.D

Acq: 01 Aug 2020 05:10

Instrument :

MSVOA_X

ClientSampled :

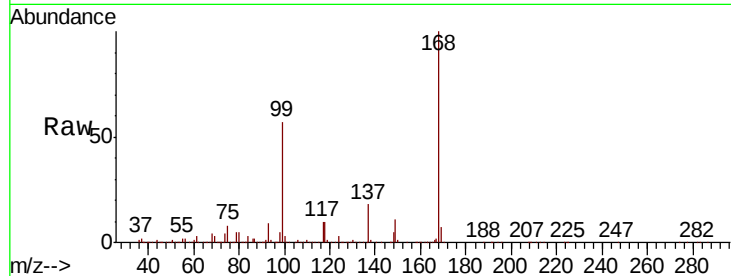
TP-2

Tot Ion:168 Resp: 431083

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

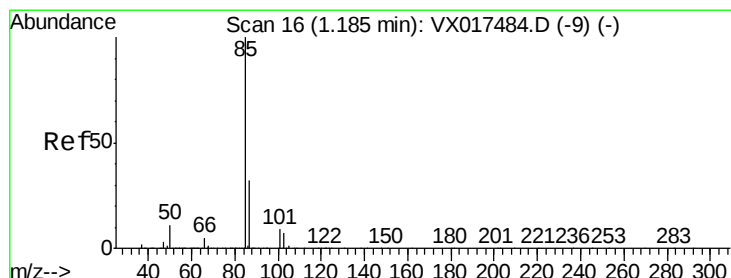
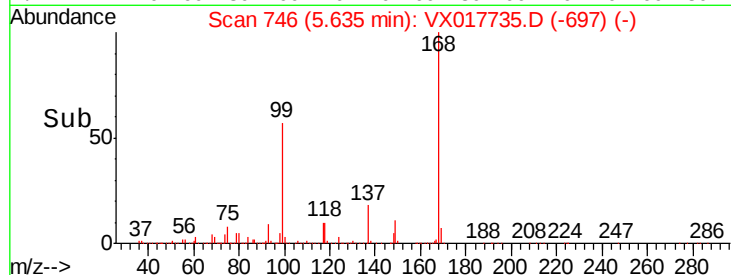
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017735.D

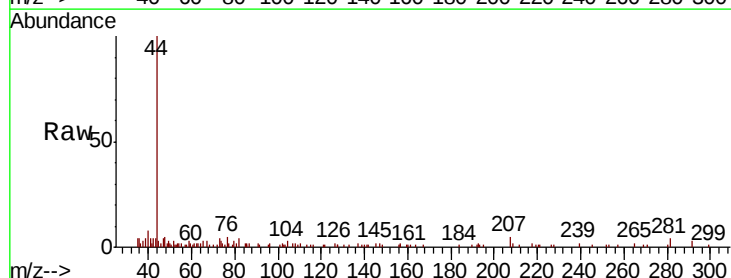
Acq: 01 Aug 2020 05:10

Tgt Ion: 85 Resp: 497

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

500

400

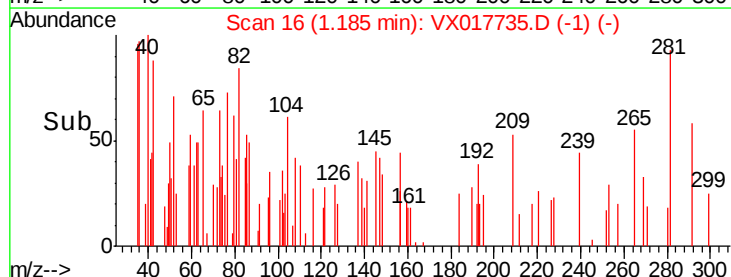
300

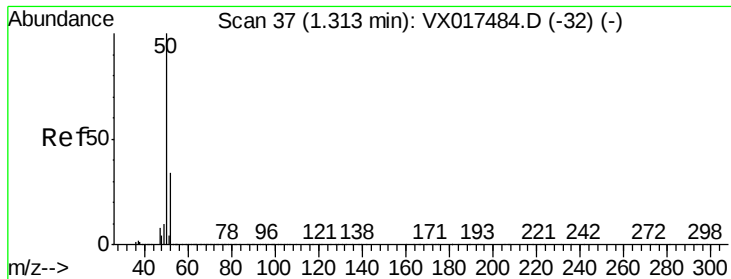
200

100

0

Time-->





#3

Chloromethane

Concen: 0.741 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017735.D

Acq: 01 Aug 2020 05:10

Instrument :

MSVOA_X

ClientSampled :

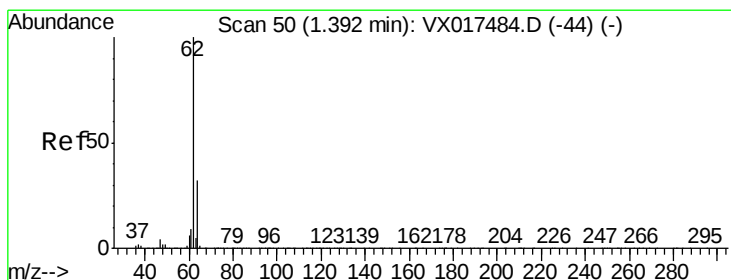
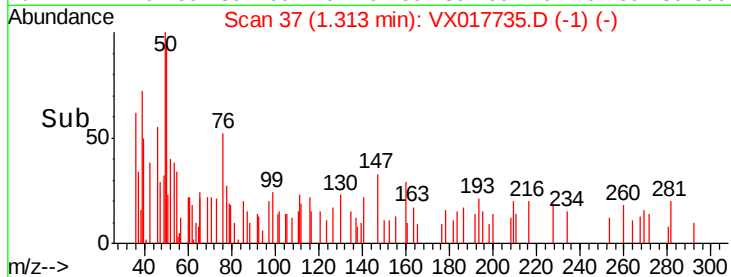
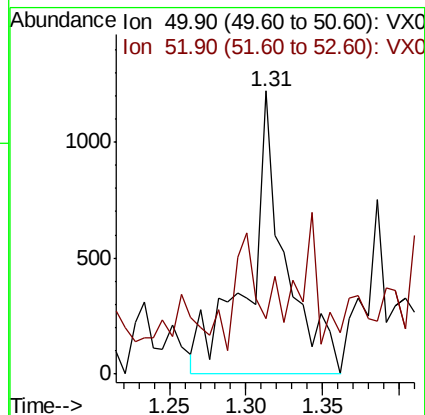
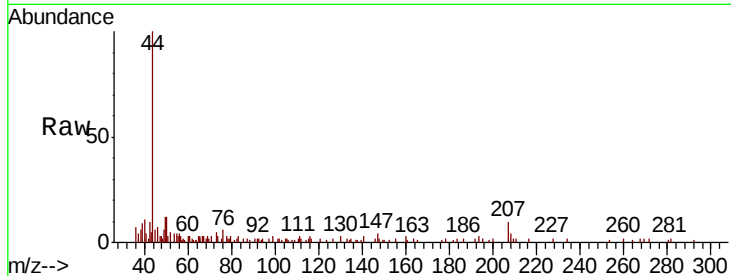
TP-2

Tot Ion: 50 Resp: 2010

Ion Ratio Lower Upper

50 100

52 4.9 25.9 38.9#



#4

Vinyl Chloride

Concen: 0.260 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX017735.D

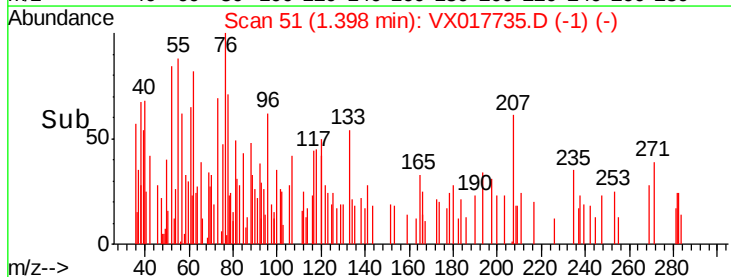
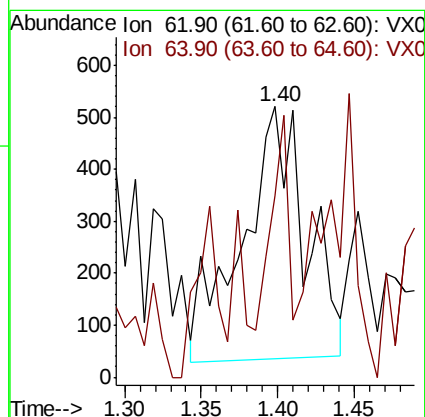
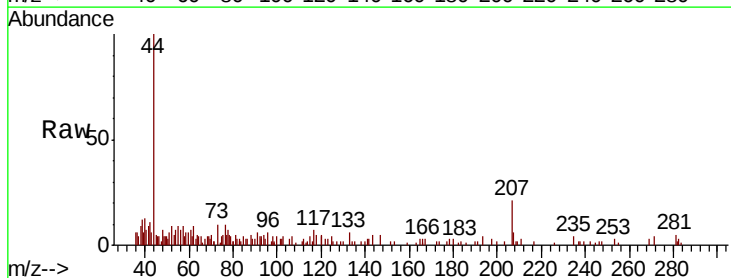
Acq: 01 Aug 2020 05:10

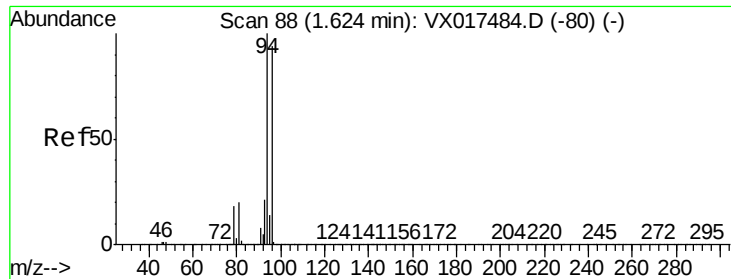
Tgt Ion: 62 Resp: 1408

Ion Ratio Lower Upper

62 100

64 41.0 25.2 37.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017735.D

Acq: 01 Aug 2020 05:10

Instrument :

MSVOA_X

ClientSampled :

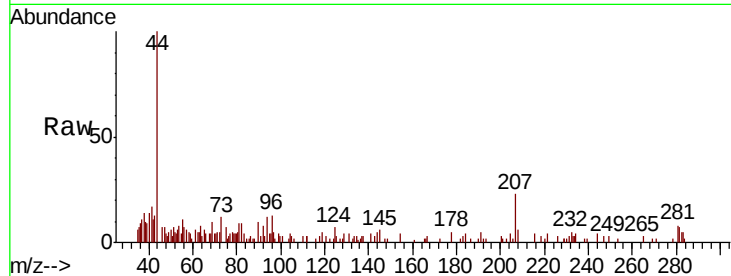
TP-2

Tot Ion: 94 Resp: 1156

Ion Ratio Lower Upper

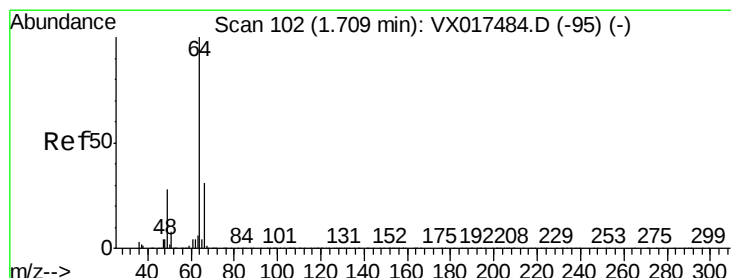
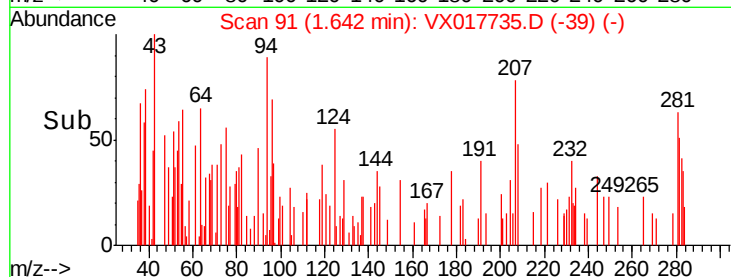
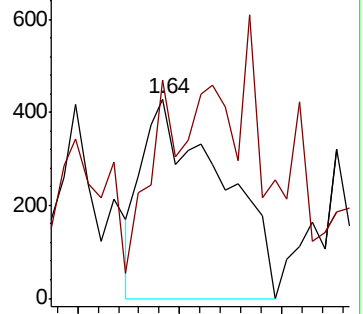
94 100

96 97.4 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017735.D

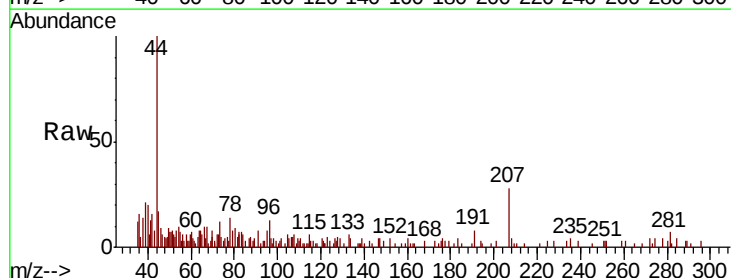
Acq: 01 Aug 2020 05:10

Tgt Ion: 64 Resp: 464

Ion Ratio Lower Upper

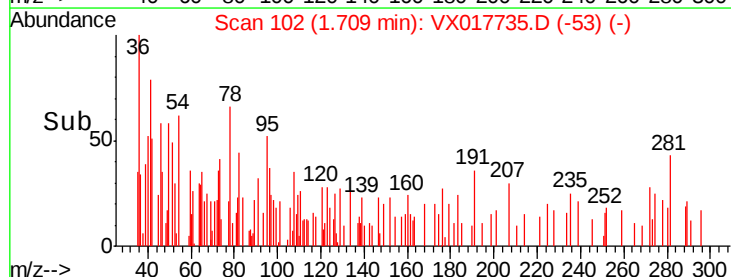
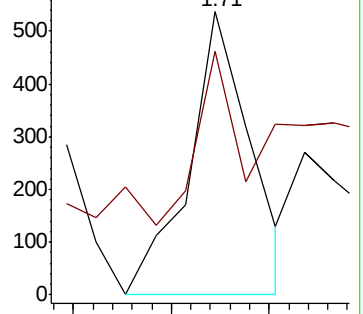
64 100

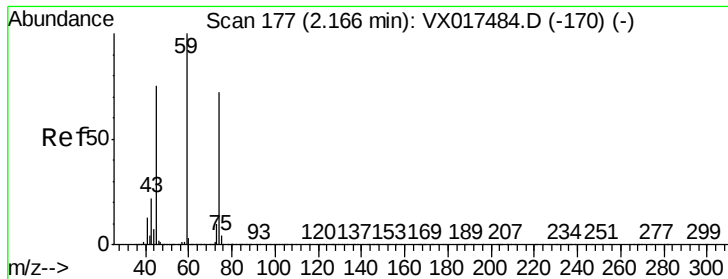
66 48.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017735.D

Acq: 01 Aug 2020 05:10

Instrument :

MSVOA_X

ClientSampled :

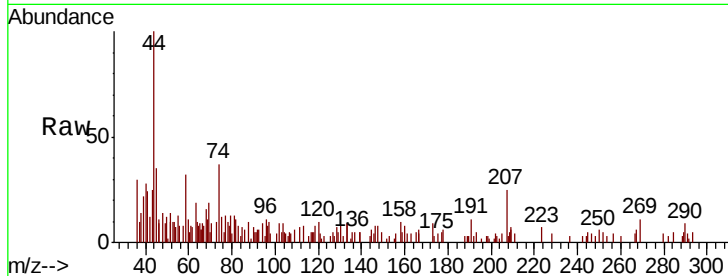
TP-2

Tot Ion: 74 Resp: 1397

Ion Ratio Lower Upper

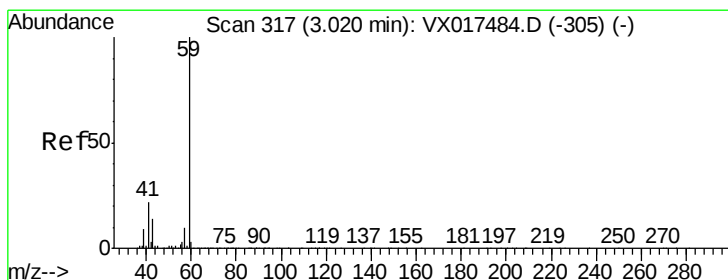
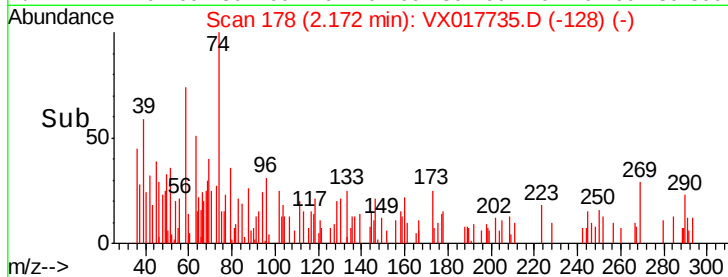
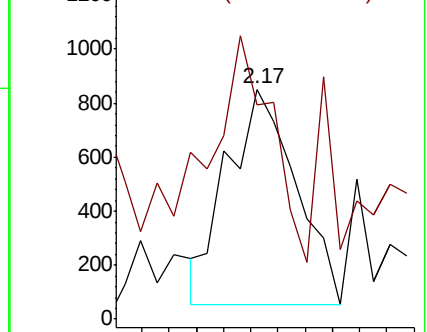
74 100

45 90.0 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 1.802 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX017735.D

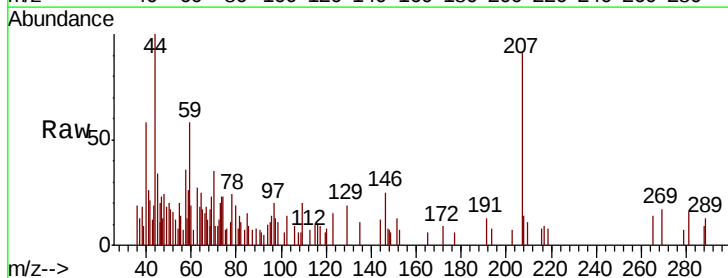
Acq: 01 Aug 2020 05:10

Tgt Ion: 59 Resp: 2103

Ion Ratio Lower Upper

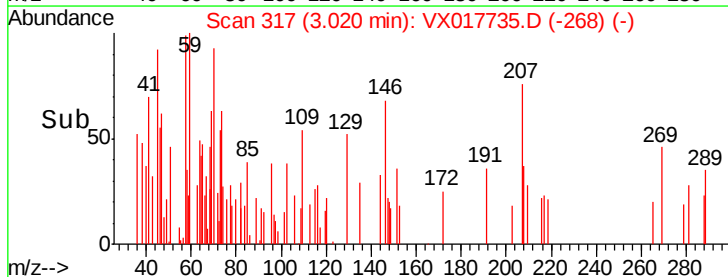
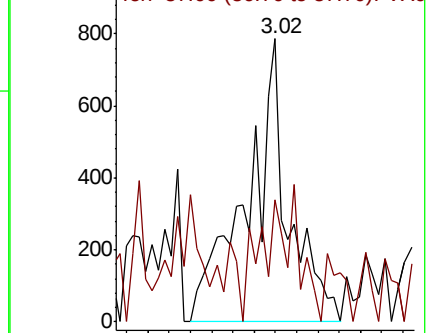
59 100

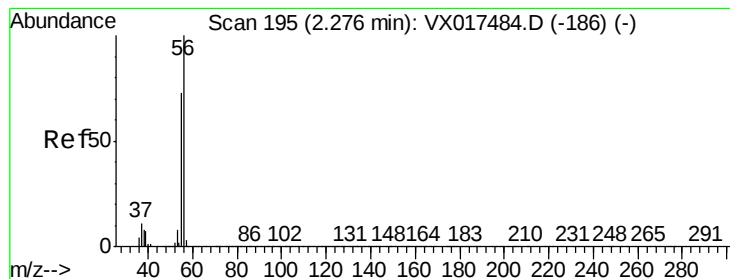
57 26.9 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 4.428 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX017735.D

Acq: 01 Aug 2020 05:10

Instrument :

MSVOA_X

ClientSampled :

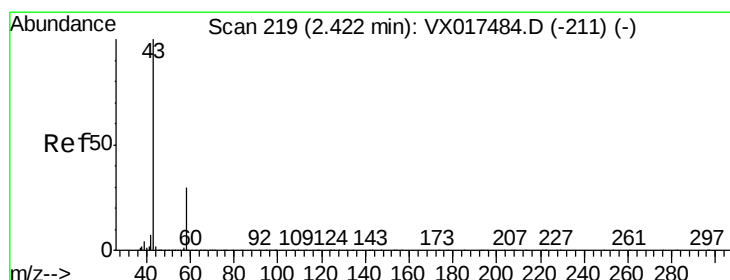
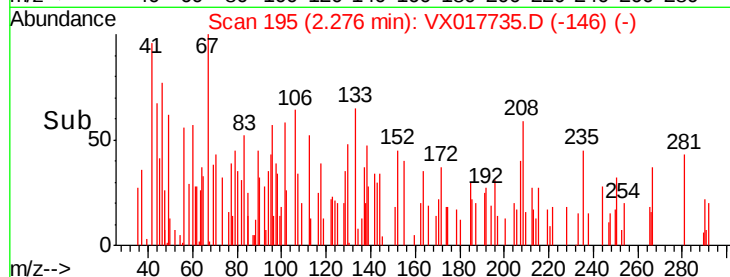
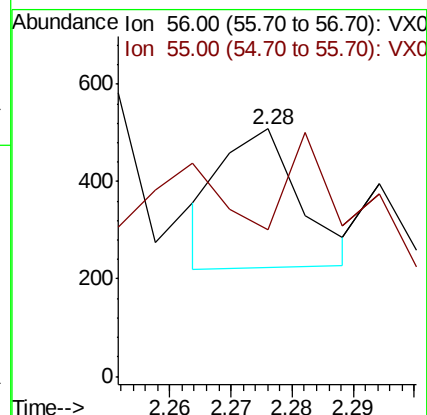
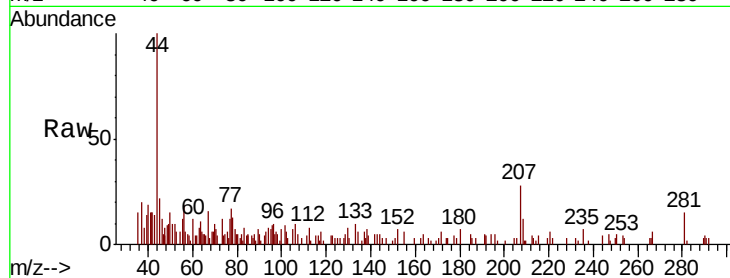
TP-2

Tot Ion: 56 Resp: 253

Ion Ratio Lower Upper

56 100

55 53.0 57.4 86.2#



#16

Acetone

Concen: 9.208 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017735.D

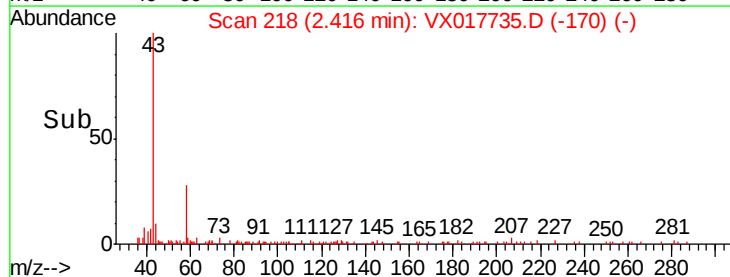
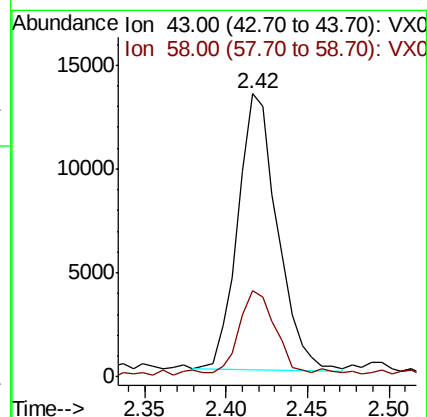
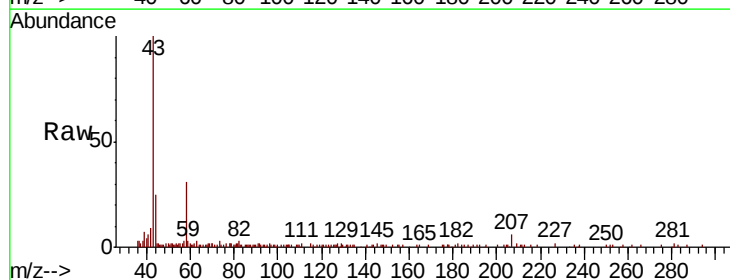
Acq: 01 Aug 2020 05:10

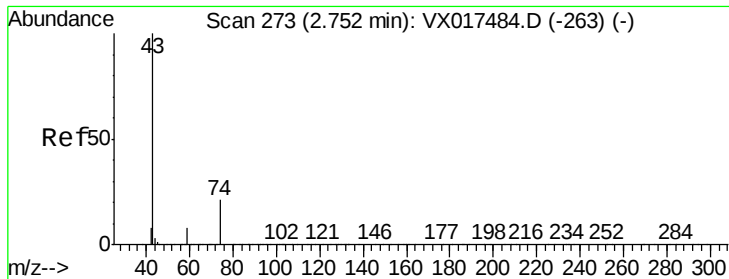
Tgt Ion: 43 Resp: 22443

Ion Ratio Lower Upper

43 100

58 29.2 24.2 36.4

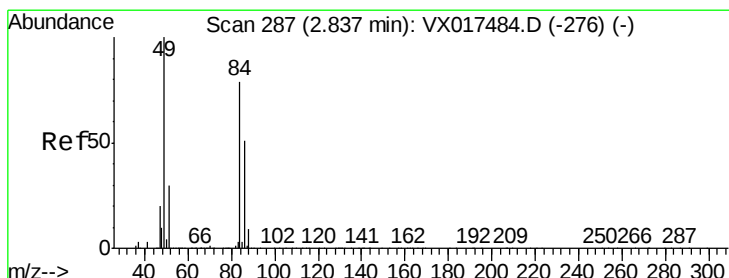
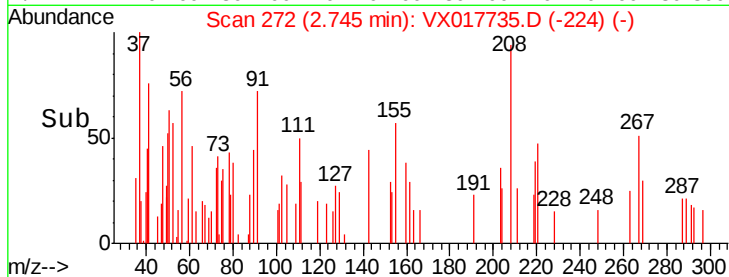
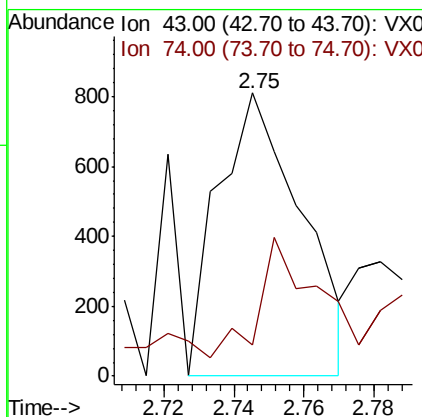
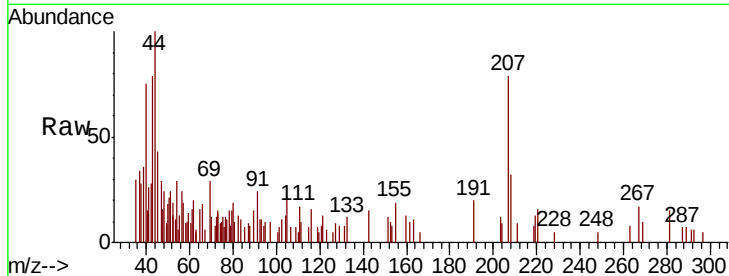




#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017735.D
Acq: 01 Aug 2020 05:10

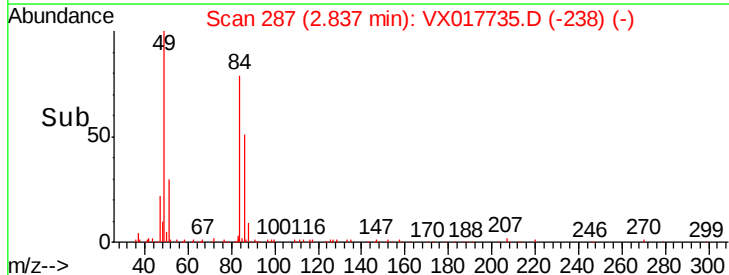
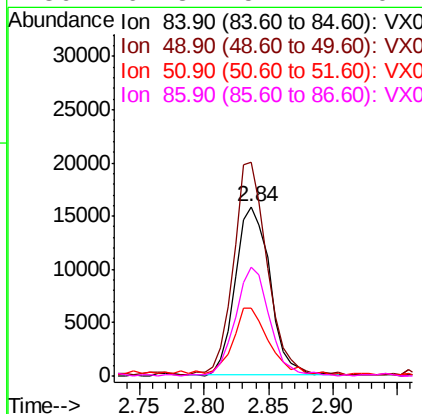
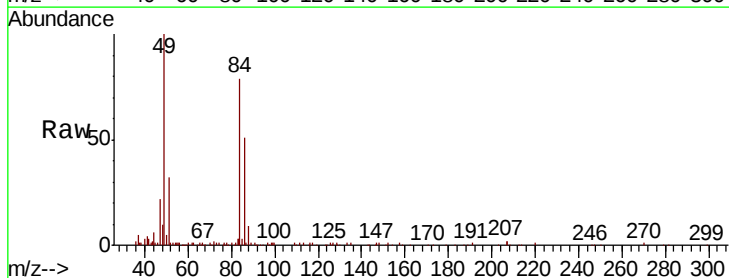
Instrument :
MSVOA_X
ClientSampled :
TP-2

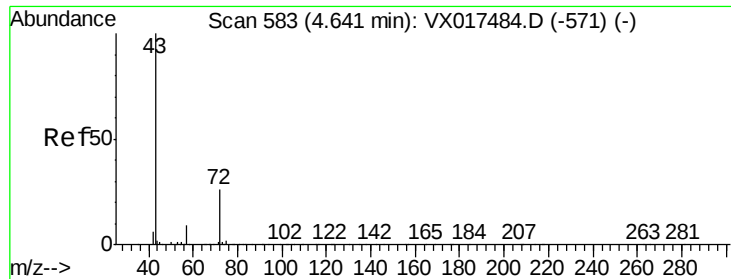
Tot Ion: 43 Resp: 1345
Ion Ratio Lower Upper
43 100
74 29.2 17.5 26.3#



#20
Methylene Chloride
Concen: 5.276 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017735.D
Acq: 01 Aug 2020 05:10

Tgt Ion: 84 Resp: 29491
Ion Ratio Lower Upper
84 100
49 126.2 100.3 150.5
51 38.8 30.5 45.7
86 64.3 51.1 76.7





#25

2-Butanone

Concen: 1.114 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017735.D

Acq: 01 Aug 2020 05:10

Instrument :

MSVOA_X

ClientSampled :

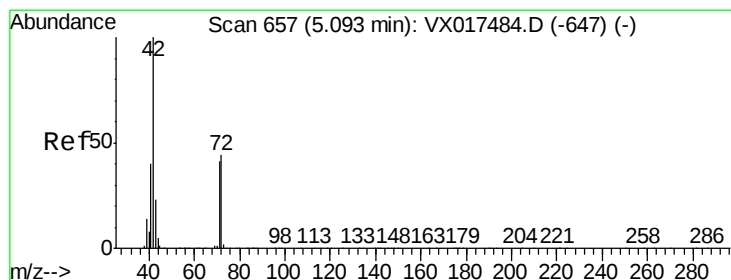
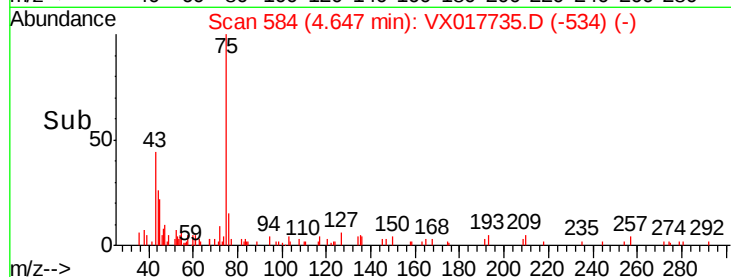
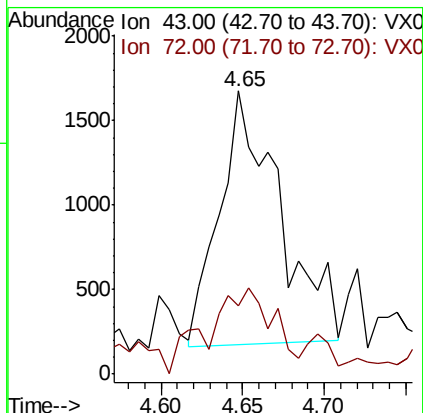
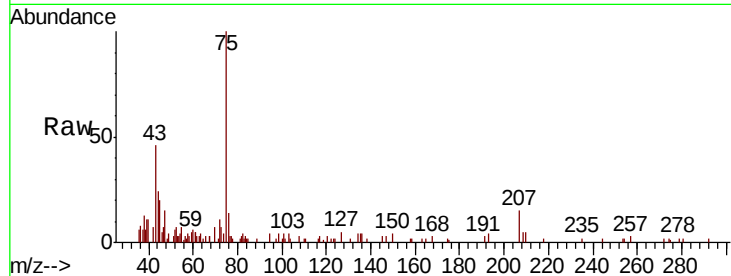
TP-2

Tot Ion: 43 Resp: 3858

Ion Ratio Lower Upper

43 100

72 24.0 19.0 28.4



#29

Tetrahydrofuran

Concen: 0.440 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX017735.D

Acq: 01 Aug 2020 05:10

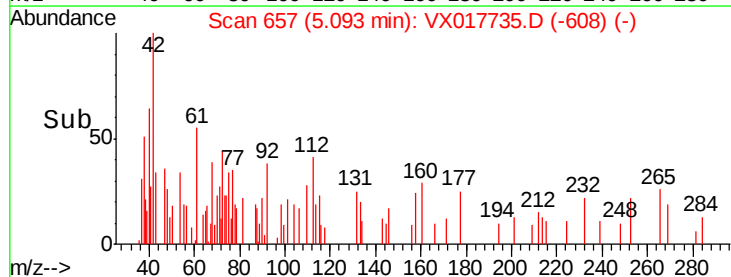
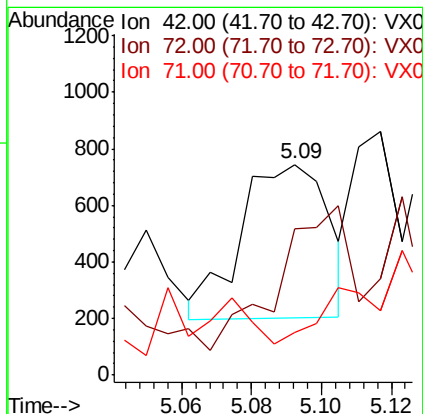
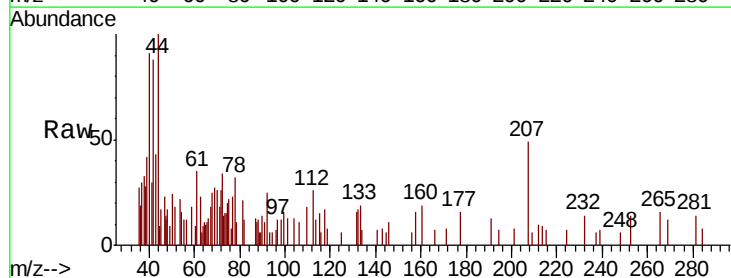
Tgt Ion: 42 Resp: 944

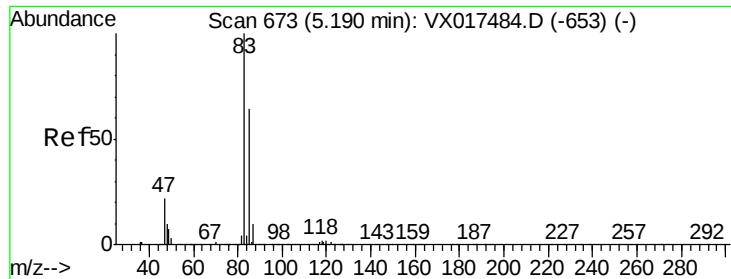
Ion Ratio Lower Upper

42 100

72 88.1 35.5 53.3#

71 0.0 33.0 49.4#

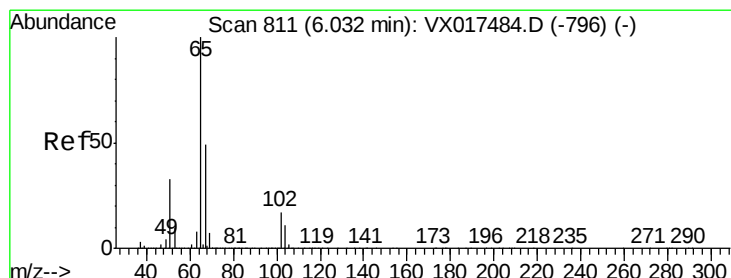
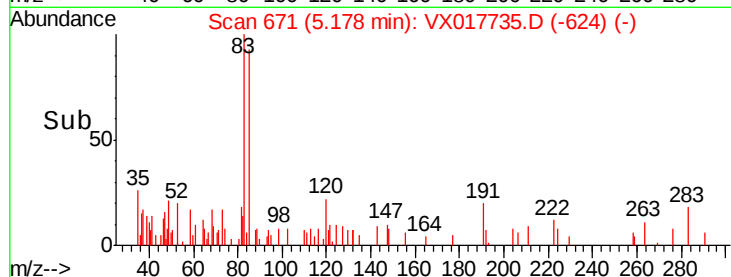
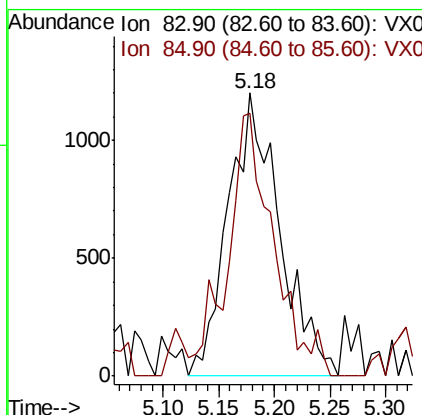
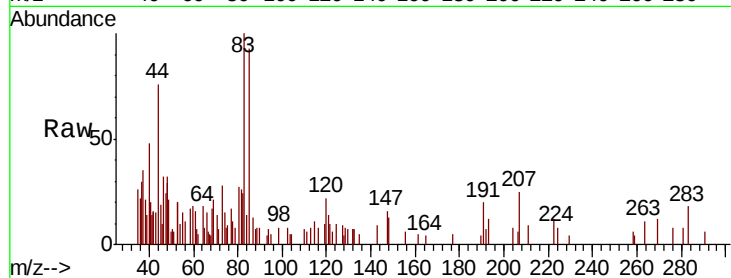




#30
Chloroform
Concen: 0.444 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.01 min
Lab File: VX017735.D
Acq: 01 Aug 2020 05:10

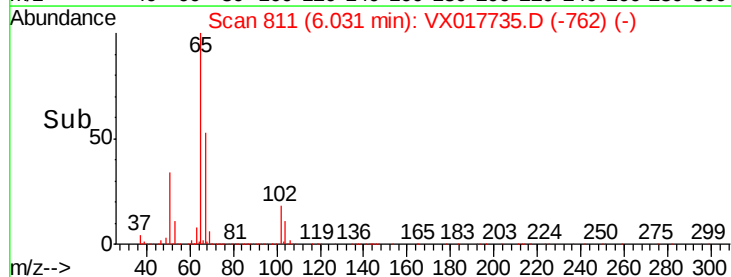
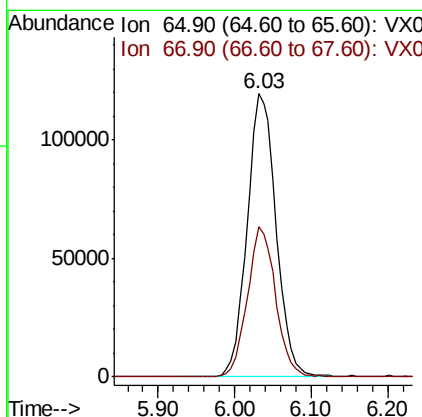
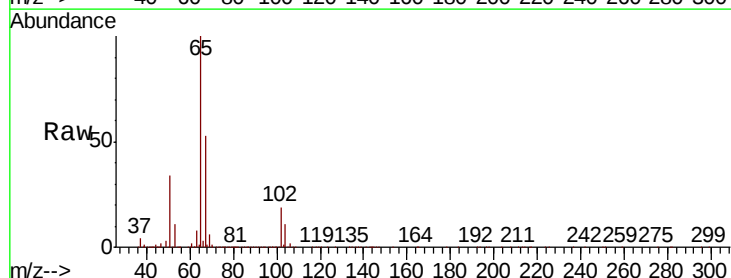
Instrument :
MSVOA_X
ClientSampled :
TP-2

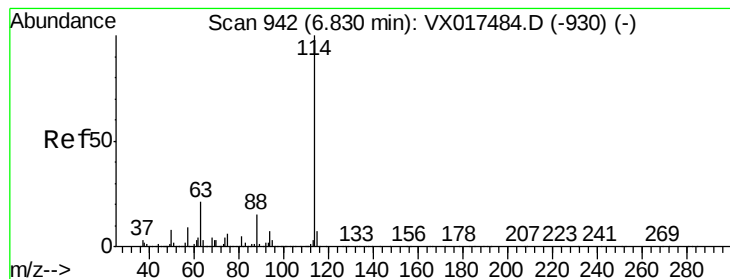
Tot Ion: 83 Resp: 3883
Ion Ratio Lower Upper
83 100
85 92.9 51.4 77.2#



#33
1,2-Dichloroethane-d4
Concen: 56.689 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017735.D
Acq: 01 Aug 2020 05:10

Tgt Ion: 65 Resp: 313913
Ion Ratio Lower Upper
65 100
67 51.8 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: VX017735.D

Acq: 01 Aug 2020 05:10

Instrument :

MSVOA_X

ClientSampleId :

TP-2

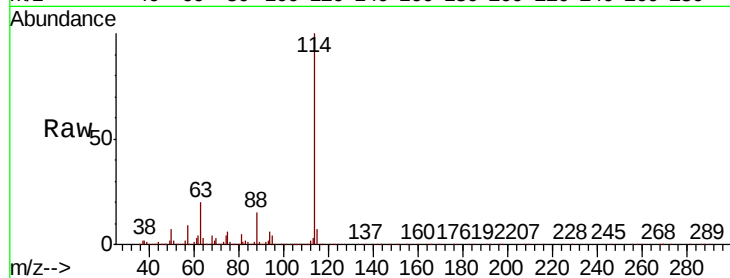
Tot Ion:114 Resp: 748944

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.6

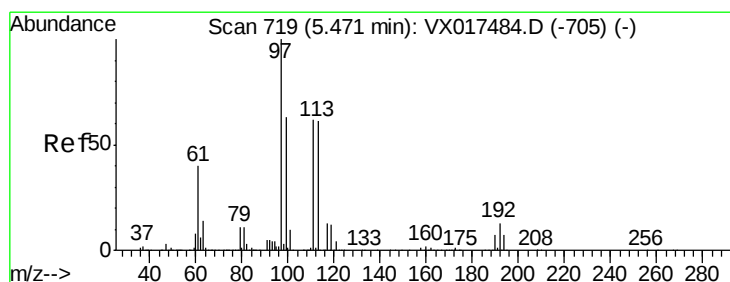
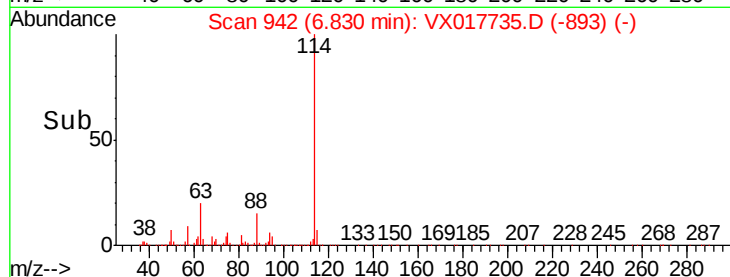
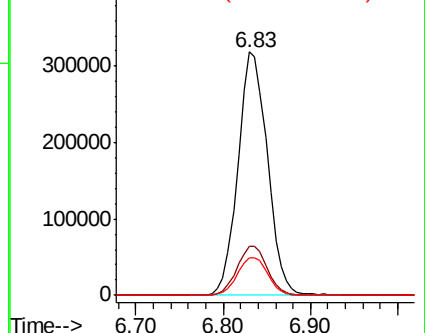
88 15.4 0.0 33.4



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: 52.275 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017735.D

Acq: 01 Aug 2020 05:10

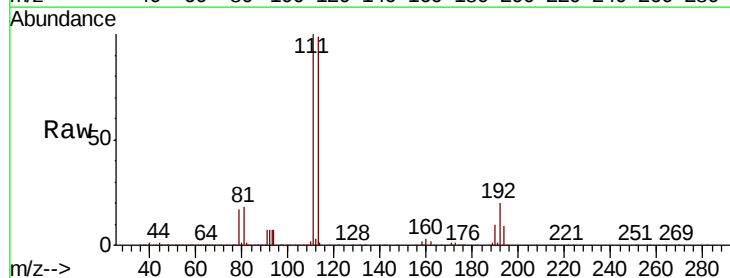
Tgt Ion:113 Resp: 261844

Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

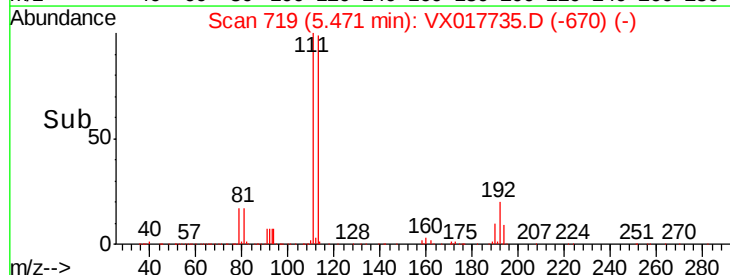
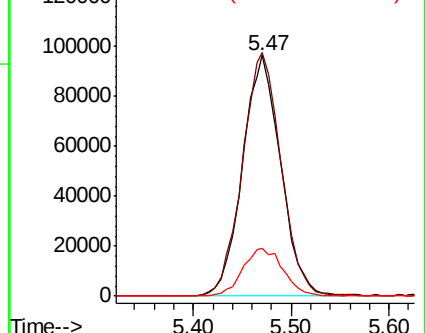
192 21.0 16.9 25.3

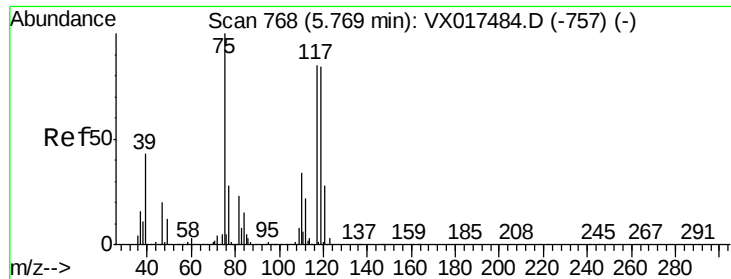


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.691 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017735.D

Acq: 01 Aug 2020 05:10

Instrument :

MSVOA_X

ClientSampleId :

TP-2

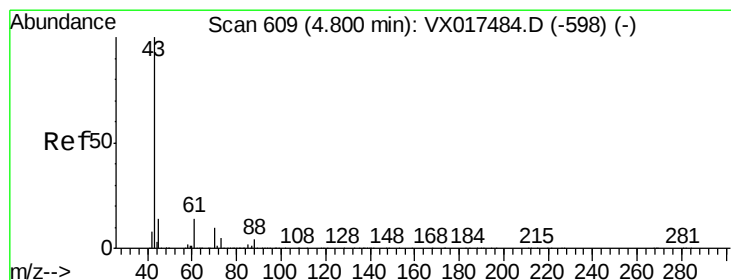
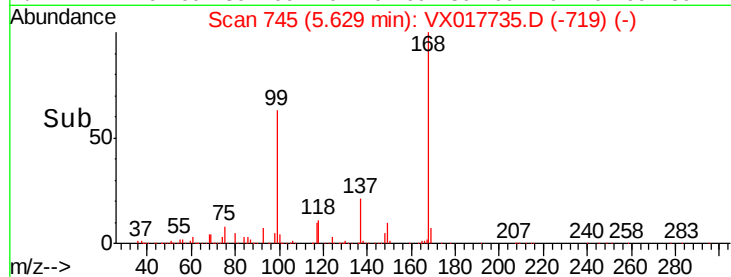
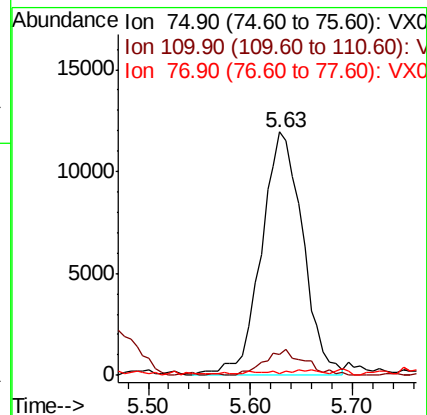
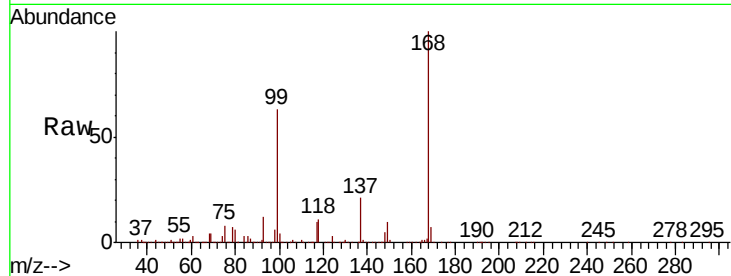
Tot Ion: 75 Resp: 33692

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.491 ug/l

RT: 4.65 min Scan# 584

Delta R.T. -0.15 min

Lab File: VX017735.D

Acq: 01 Aug 2020 05:10

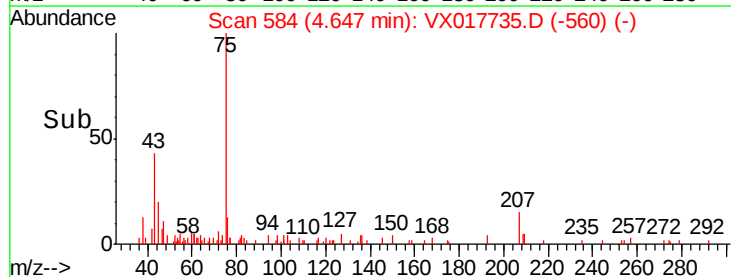
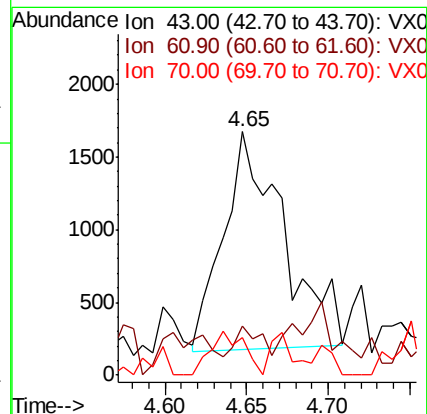
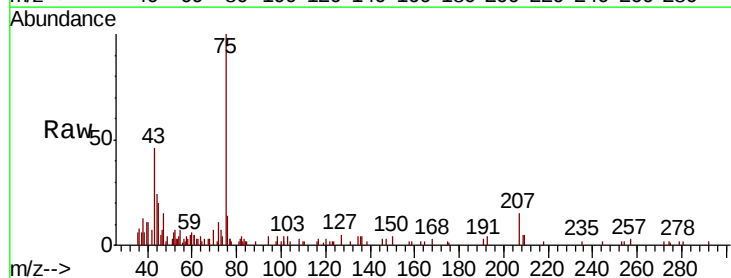
Tgt Ion: 43 Resp: 3858

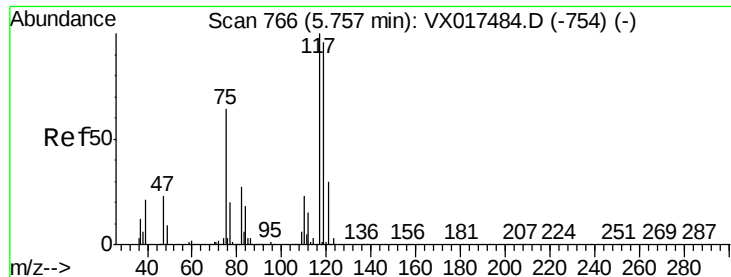
Ion Ratio Lower Upper

43 100

61 11.4 10.7 16.1

70 11.2 8.5 12.7

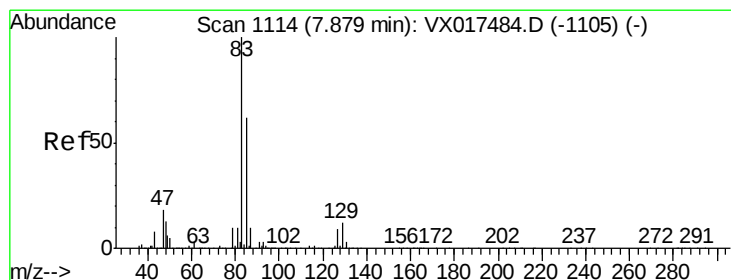
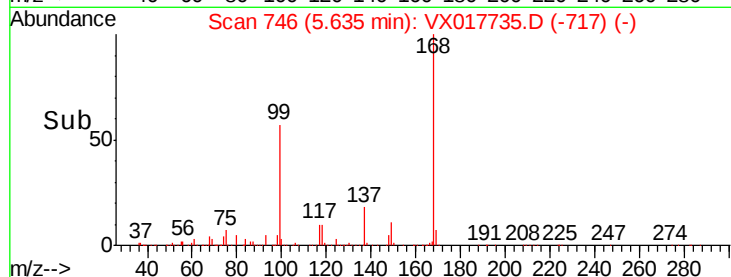
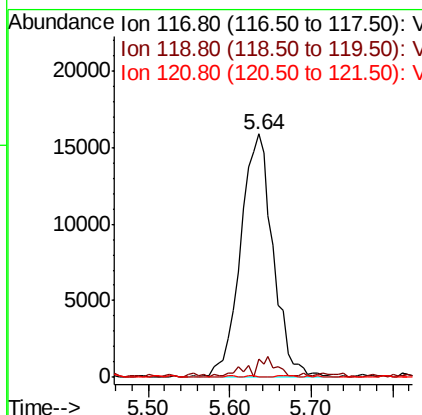
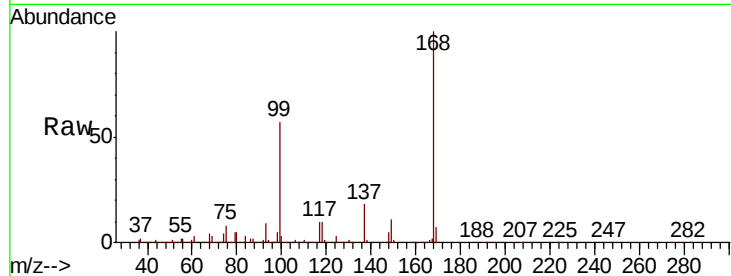




#38
Carbon Tetrachloride
Concen: 5.035 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX017735.D
Acq: 01 Aug 2020 05:10

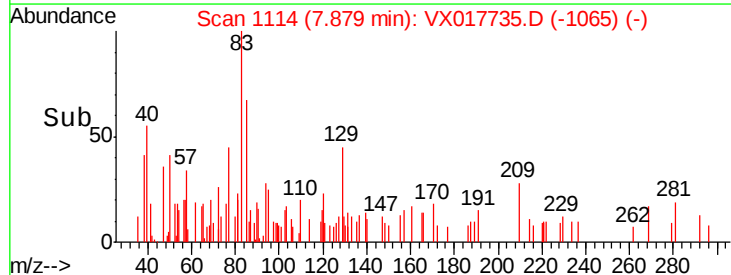
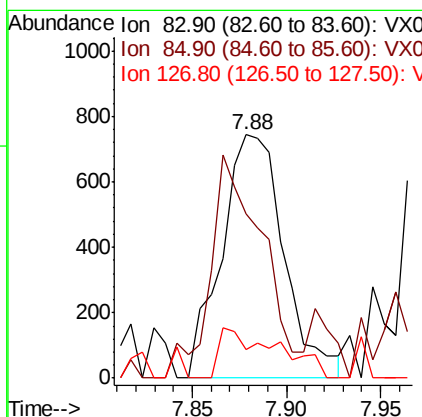
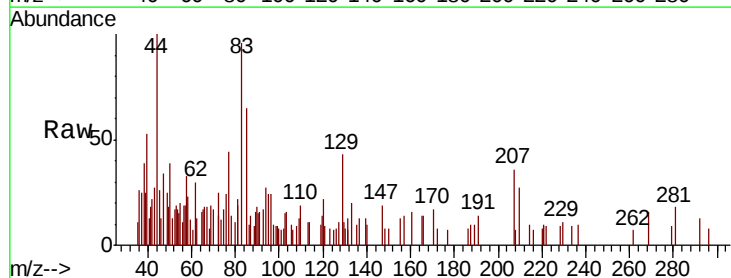
Instrument :
MSVOA_X
ClientSampleId :
TP-2

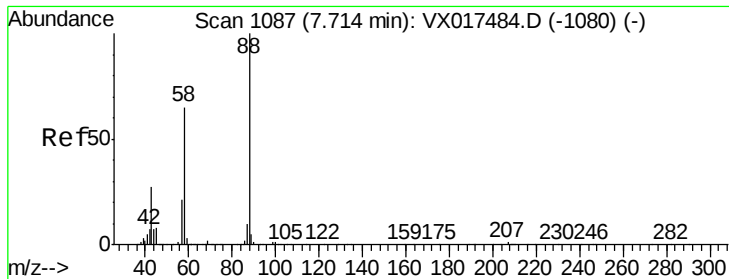
Tot Ion:117 Resp: 43919
Ion Ratio Lower Upper
117 100
119 6.3 75.4 113.0#
121 0.0 24.3 36.5#



#47
Bromodichloromethane
Concen: 0.211 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VX017735.D
Acq: 01 Aug 2020 05:10

Tgt Ion: 83 Resp: 1714
Ion Ratio Lower Upper
83 100
85 57.8 51.8 77.8
127 11.7 7.4 11.2#

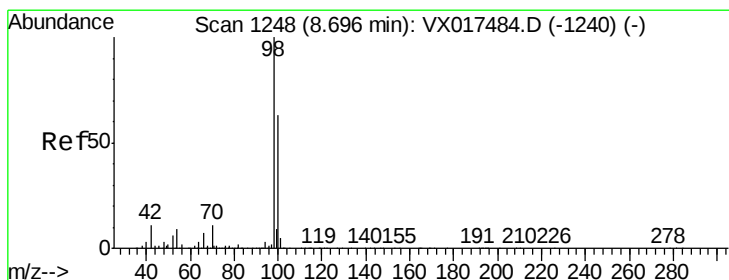
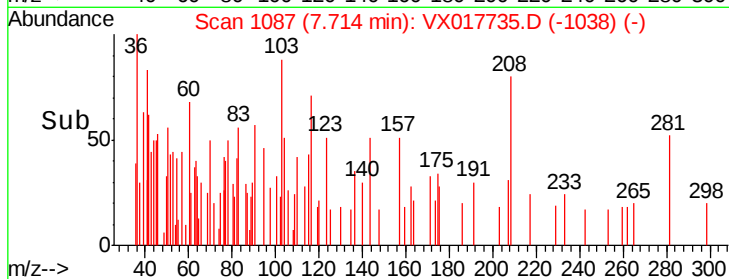
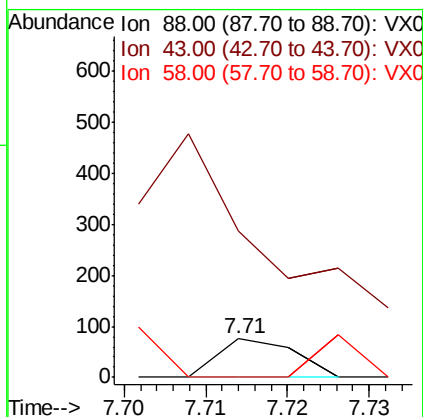
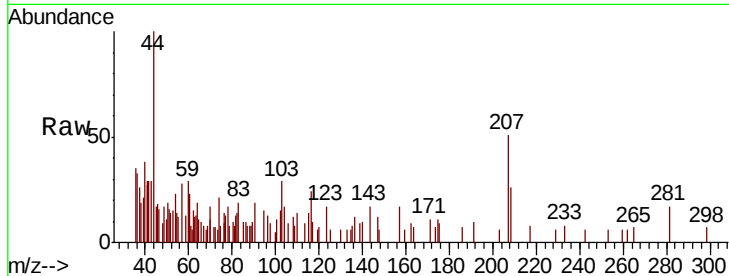




#49
1,4-Dioxane
Concen: 0.398 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017735.D
Acq: 01 Aug 2020 05:10

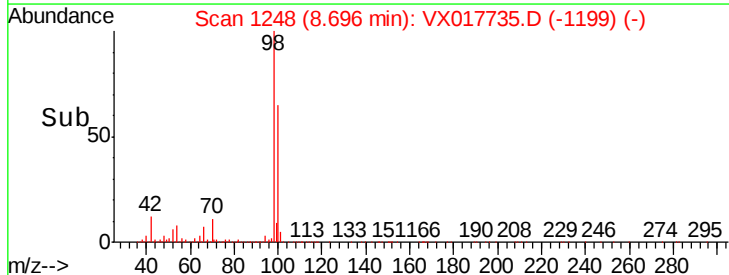
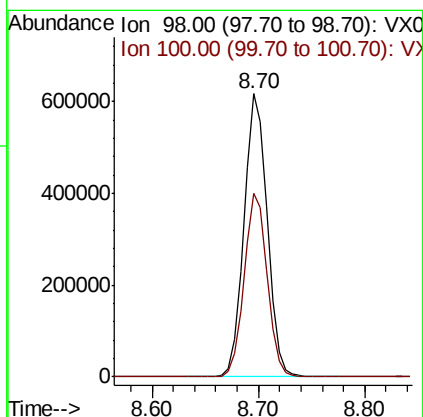
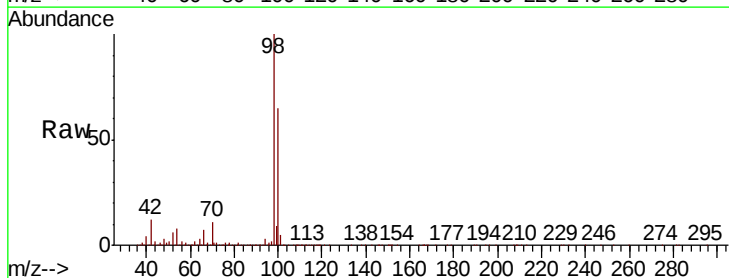
Instrument :
MSVOA_X
ClientSampled :
TP-2

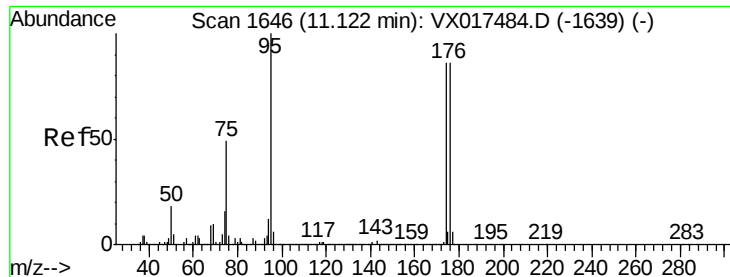
Tot Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 1459.2 27.8 41.6#
58 61.2 58.3 87.5



#50
Toluene-d8
Concen: 52.353 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017735.D
Acq: 01 Aug 2020 05:10

Tgt Ion: 98 Resp: 946004
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5

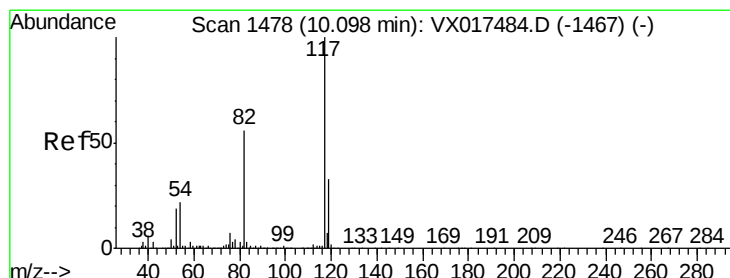
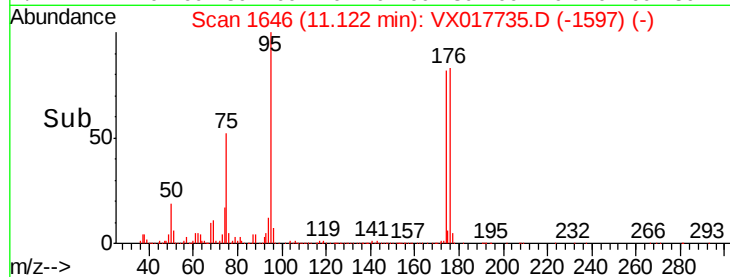
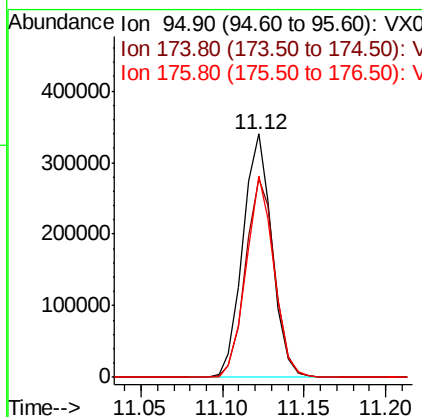
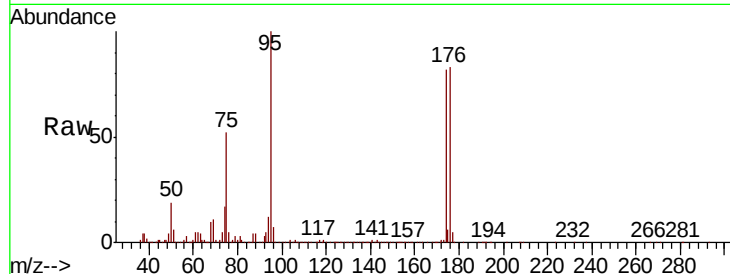




#62
4-Bromofluorobenzene
Concen: 58.329 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017735.D
Acq: 01 Aug 2020 05:10

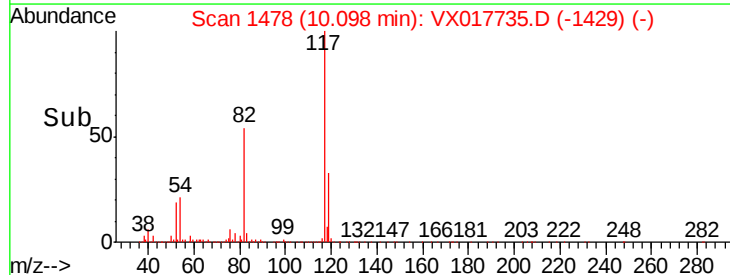
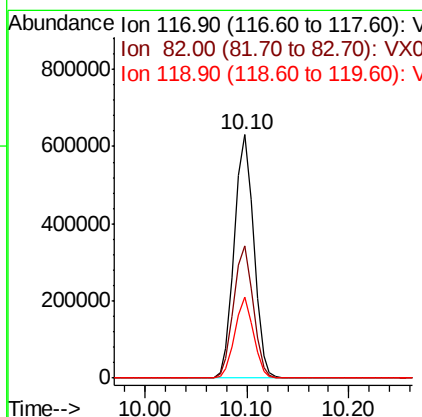
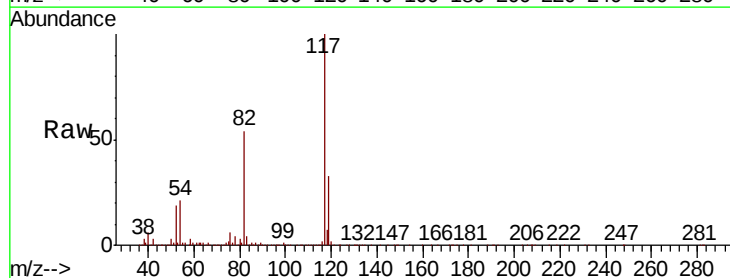
Instrument :
MSVOA_X
ClientSampleId :
TP-2

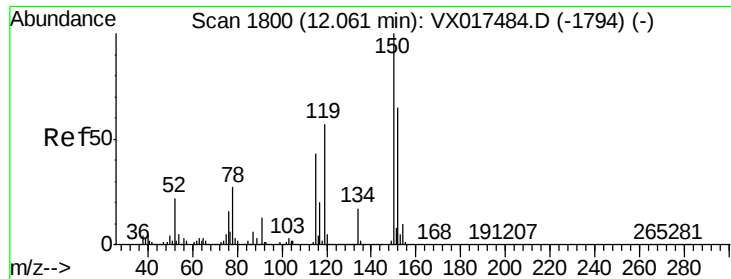
Tot Ion: 95 Resp: 421810
Ion Ratio Lower Upper
95 100
174 82.9 0.0 169.0
176 79.9 0.0 161.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017735.D
Acq: 01 Aug 2020 05:10

Tgt Ion: 117 Resp: 828532
Ion Ratio Lower Upper
117 100
82 54.3 44.0 66.0
119 33.2 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: VX017735.D

Acq: 01 Aug 2020 05:10

Instrument :

MSVOA_X

ClientSampled :

TP-2

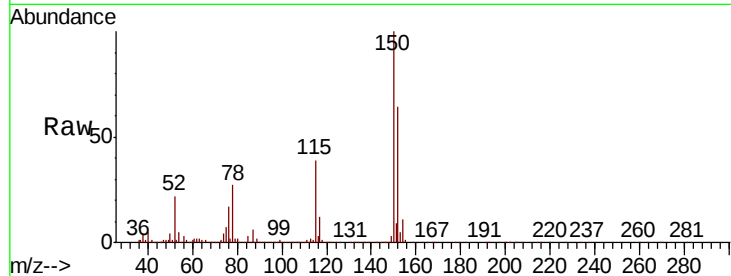
Tot Ion:152 Resp: 450151

Ion Ratio Lower Upper

152 100

115 58.0 65.5 196.6#

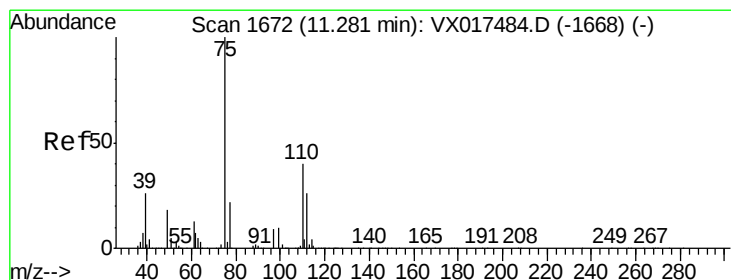
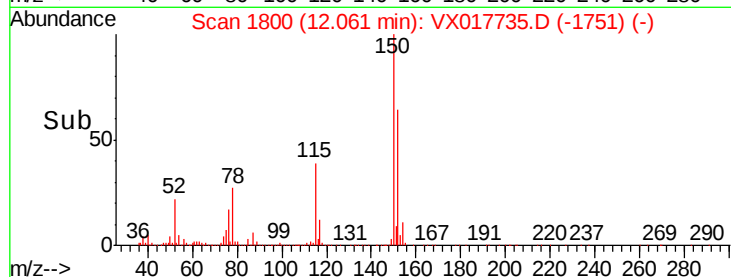
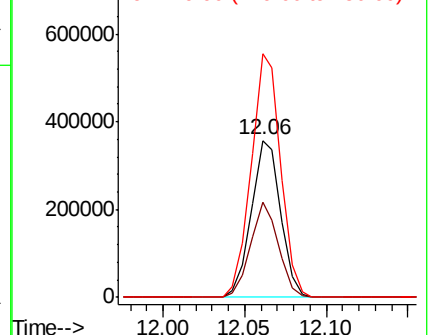
150 155.0 0.0 412.6



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: 23.202 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017735.D

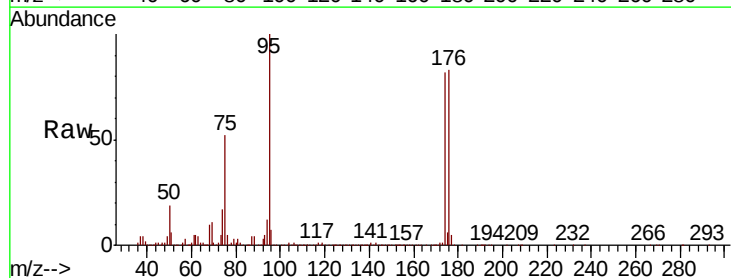
Acq: 01 Aug 2020 05:10

Tgt Ion: 75 Resp: 214850

Ion Ratio Lower Upper

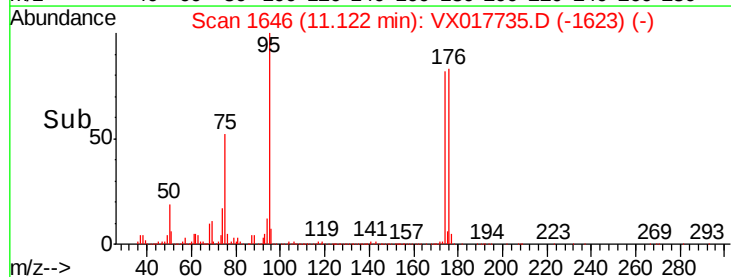
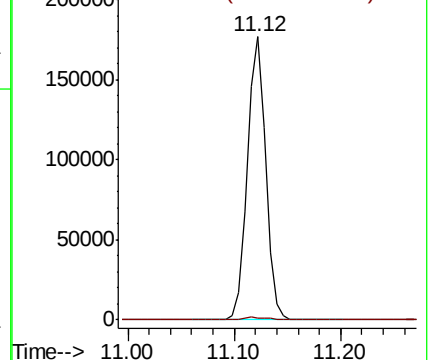
75 100

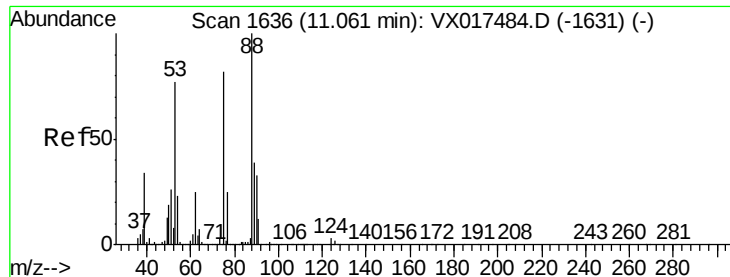
77 1.4 21.8 65.3#



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: 58.465 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017735.D

Acq: 01 Aug 2020 05:10

Instrument :

MSVOA_X

ClientSampleId :

TP-2

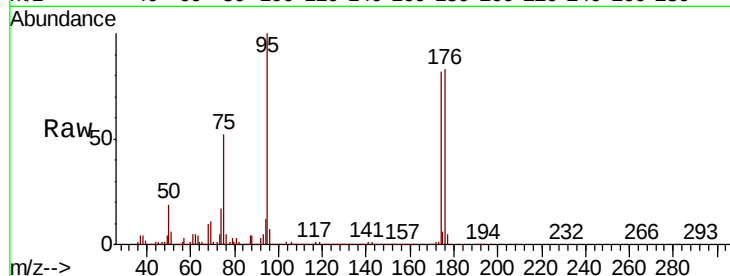
Tot Ion: 75 Resp: 214850

Ion Ratio Lower Upper

75 100

53 0.0 75.9 113.9#

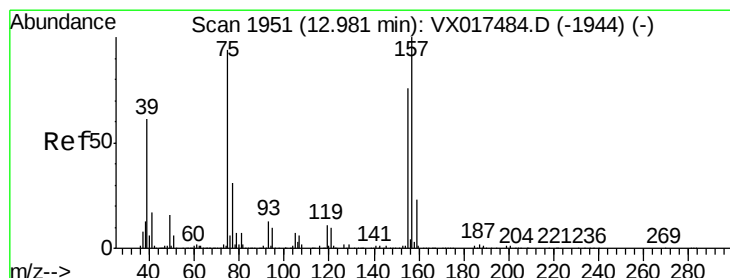
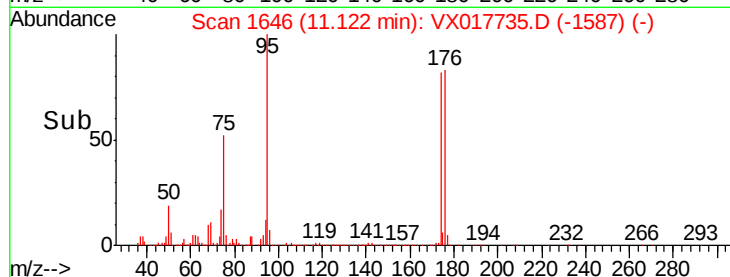
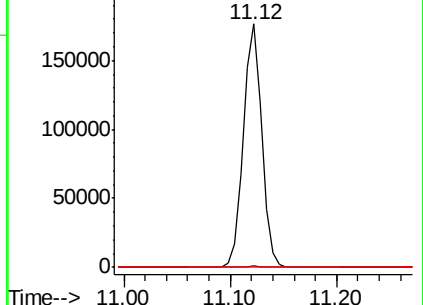
89 0.1 37.8 56.6#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.619 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017735.D

Acq: 01 Aug 2020 05:10

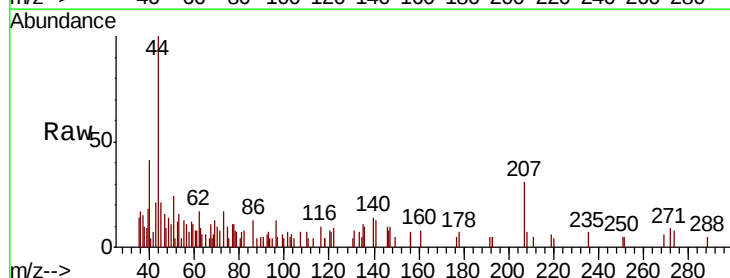
Tgt Ion: 75 Resp: 122

Ion Ratio Lower Upper

75 100

155 21.3 42.3 126.8#

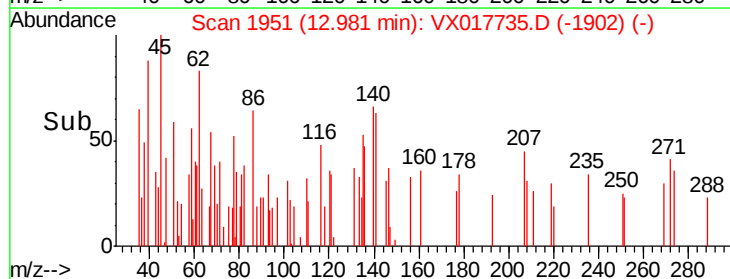
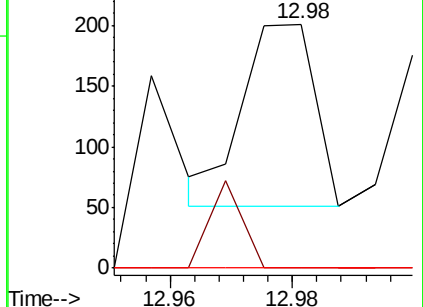
157 0.0 54.3 162.9#

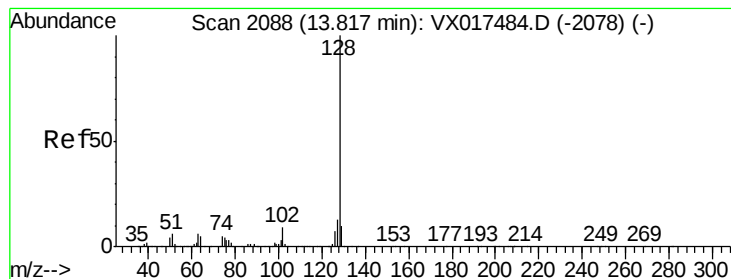


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 0.247 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017735.D

Acq: 01 Aug 2020 05:10

Instrument :

MSVOA_X

ClientSampleId :

TP-2

Tot Ion:128 Resp: 7339

Ion Ratio Lower Upper

128 100

127 14.5 10.4 15.6

129 11.3 8.9 13.3

