

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
 Data File : VU025397.D
 Acq On : 13 Jul 2018 17:05
 Operator : MD/SY
 Sample : J3986-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB177

Quant Time: Jul 13 17:29:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 13 14:43:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	341566	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	315494	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	163373	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	96412	47.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.44%
7) Chloroethane-d5	1.67	69	82197	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.62%
11) 1,1-Dichloroethene-d2	2.27	63	221066	49.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.28%
21) 2-Butanone-d5	4.17	46	176475	103.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.40%
24) Chloroform-d	4.65	84	229517	52.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.96%
26) 1,2-Dichloroethane-d4	5.31	65	153589	49.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.06%
32) Benzene-d6	5.34	84	424799	49.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.14%
36) 1,2-Dichloropropane-d6	6.33	67	139718	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.34%
41) Toluene-d8	7.57	98	409881	48.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.78%
43) trans-1,3-Dichloropropene-	7.85	79	67244	48.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.28%
47) 2-Hexanone-d5	8.31	63	138512	110.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.07%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	204452	52.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	178202	50.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	73712	23.752	ug/L	99
3) Chloromethane	1.33	50	71411	27.894	ug/L	99
5) Vinyl chloride	1.40	62	118552	44.753	ug/L	100
6) Bromomethane	1.61	94	8542	6.006	ug/L	98
8) Chloroethane	1.69	64	37597	23.547	ug/L	96
9) Trichlorofluoromethane	1.88	101	133116	34.411	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	42949	18.704	ug/L	99
12) 1,1-Dichloroethene	2.28	96	120156	57.351	ug/L	85
13) Acetone	2.32	43	4962	2.829	ug/L	95
14) Carbon disulfide	2.48	76	10829	1.712	ug/L	99
16) Methylene chloride	2.70	84	93433	38.004	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	41888	18.466	ug/L	95
19) 1,1-Dichloroethane	3.45	63	244749	56.687	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	93801	35.805	ug/L	98
23) Bromochloromethane	4.55	128	43603	32.375	ug/L	98
25) Chloroform	4.67	83	229594	49.805	ug/L	98
27) 1,2-Dichloroethane	5.41	62	230666	59.704	ug/L	99

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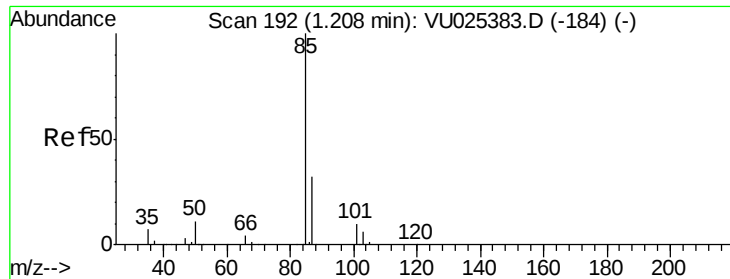
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

30) 1,1,1-Trichloroethane	4.92	97	73220	17.376	uq/L	98
31) Carbon tetrachloride	5.14	117	190717	51.784	uq/L	100
33) Benzene	5.39	78	383134	40.042	uq/L	100
34) Trichloroethene	6.18	95	179250	70.425	uq/L	98
37) 1,2-Dichloropropane	6.44	63	89355	34.971	uq/L	100
38) Bromodichloromethane	6.76	83	56838	16.736	uq/L	97
39) cis-1,3-Dichloropropene	7.27	75	81801	20.214	uq/L	95
44) trans-1,3-Dichloropropene	7.88	75	151897	40.349	uq/L	99
45) 1,1,2-Trichloroethane	8.07	97	53985	22.141	uq/L	98
46) Tetrachloroethene	8.23	164	129969	60.324	uq/L	99
49) Dibromochloromethane	8.48	129	89523	31.288	uq/L	98
50) 1,2-Dibromoethane	8.59	107	69653	25.827	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	140158	34.447	uq/L	99
59) 1,2,3-Trichloropropane	11.15	75	4420	1.334	uq/L #	1
61) Bromoform	9.96	173	83059	38.726	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	32733	34.239	uq/L	91

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



#2

Dichlorodifluoromethane

Concen: 23.752 ug/L

RT: 1.20 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

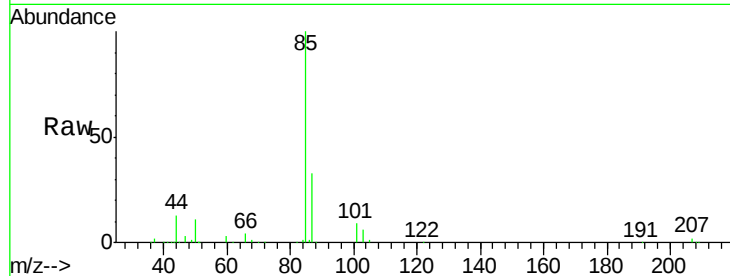
DB177

Tot Ion: 85 Resp: 73712

Ion Ratio Lower Upper

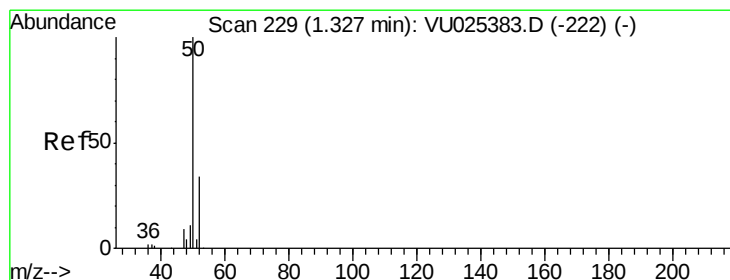
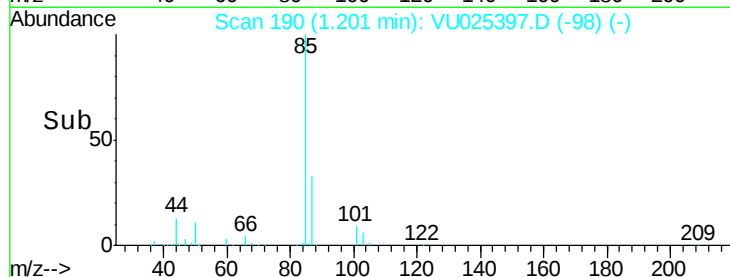
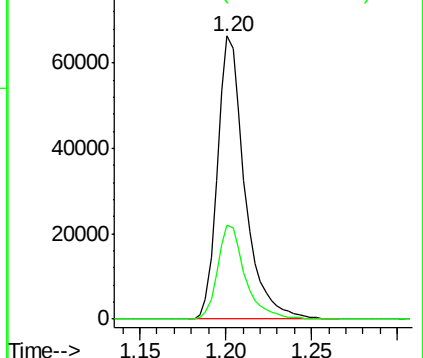
85 100

87 33.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 27.894 ug/L

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025397.D

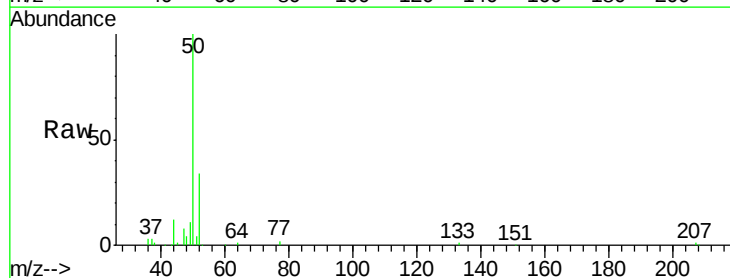
Acq: 13 Jul 2018 17:05

Tgt Ion: 50 Resp: 71411

Ion Ratio Lower Upper

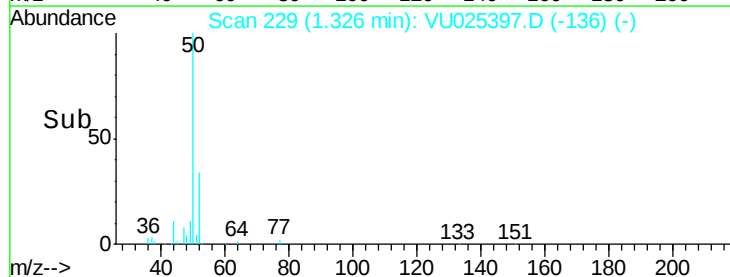
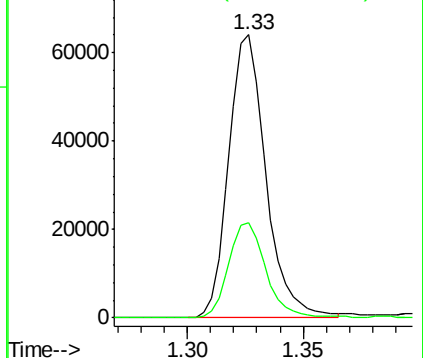
50 100

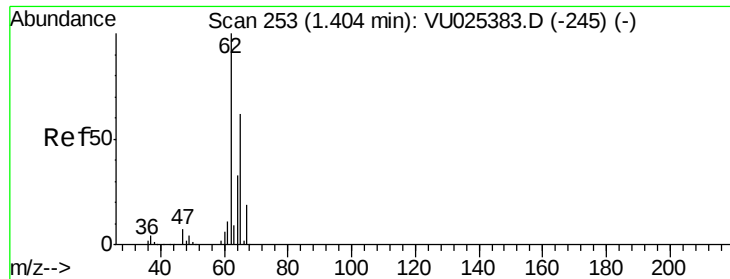
52 33.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 44.753 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

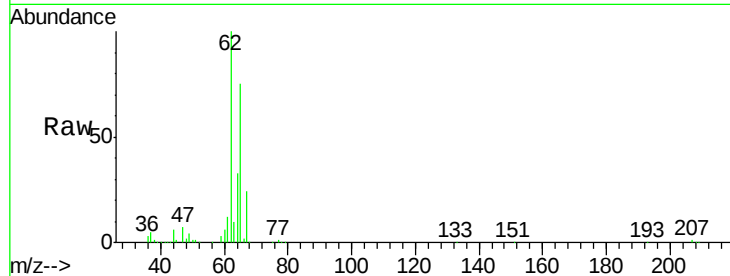
DB177

Tot Ion: 62 Resp: 118552

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

120000

100000

80000

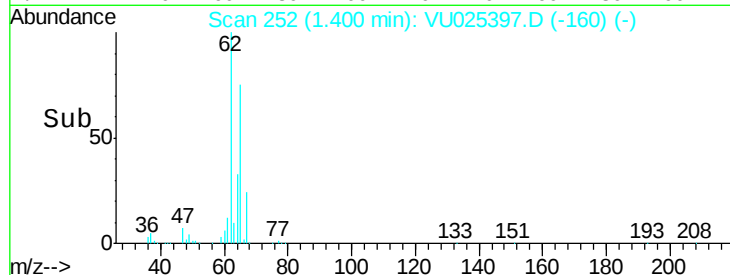
60000

40000

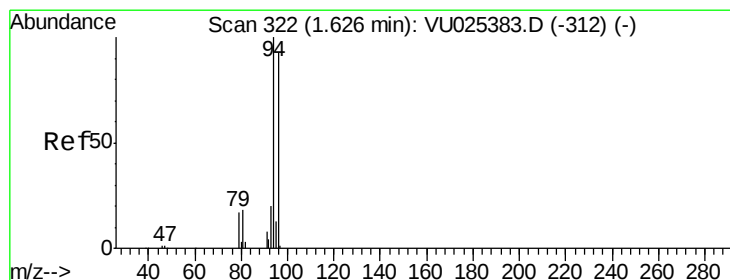
20000

0

Time-->



Time-->



#6

Bromomethane

Concen: 6.006 ug/L

RT: 1.61 min Scan# 317

Delta R.T. -0.01 min

Lab File: VU025397.D

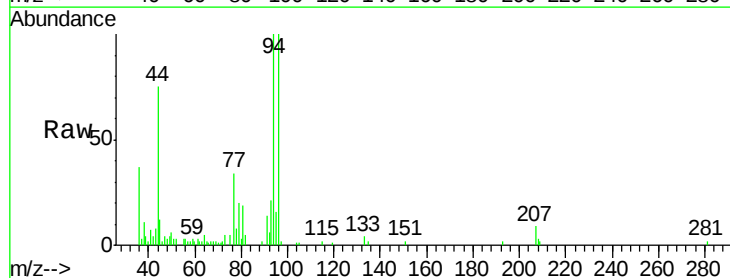
Acq: 13 Jul 2018 17:05

Tgt Ion: 94 Resp: 8542

Ion Ratio Lower Upper

94 100

96 99.7 68.4 127.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

8000

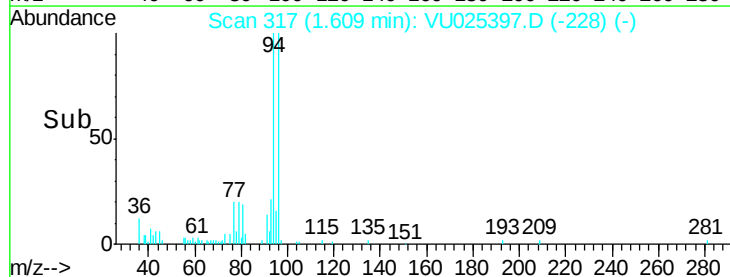
6000

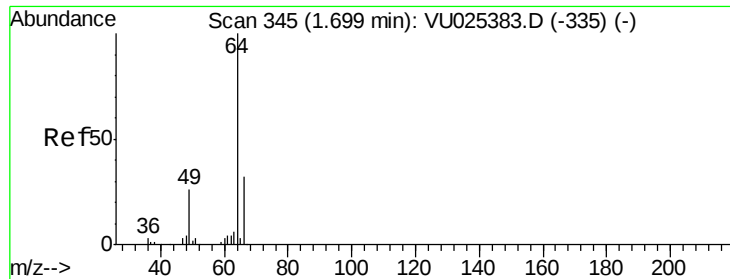
4000

2000

0

Time-->





#8

Chloroethane

Concen: 23.547 ug/L

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

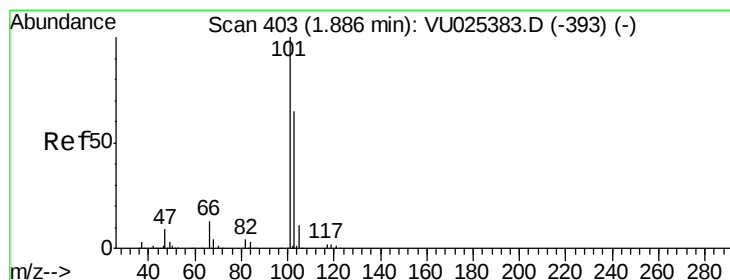
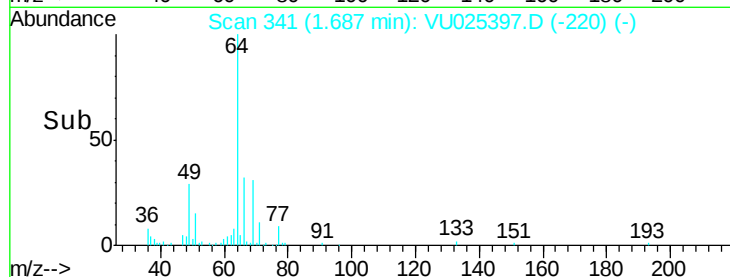
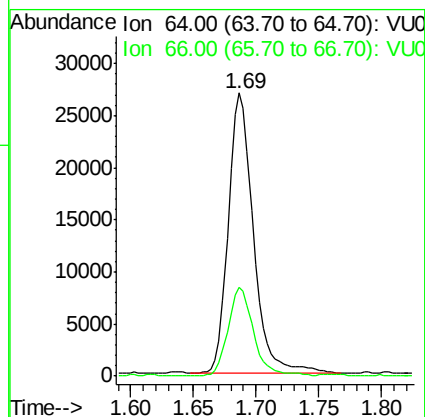
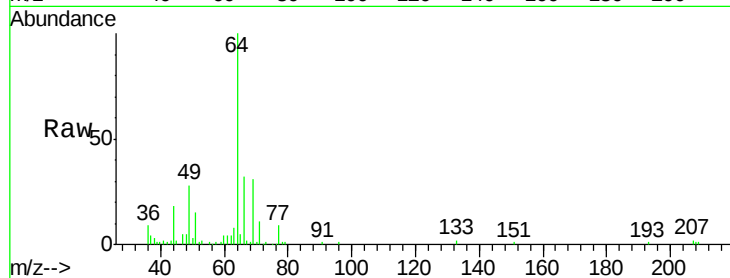
DB177

Tot Ion: 64 Resp: 37597

Ion Ratio Lower Upper

64 100

66 31.5 23.8 44.2



#9

Trichlorofluoromethane

Concen: 34.411 ug/L

RT: 1.88 min Scan# 401

Delta R.T. -0.01 min

Lab File: VU025397.D

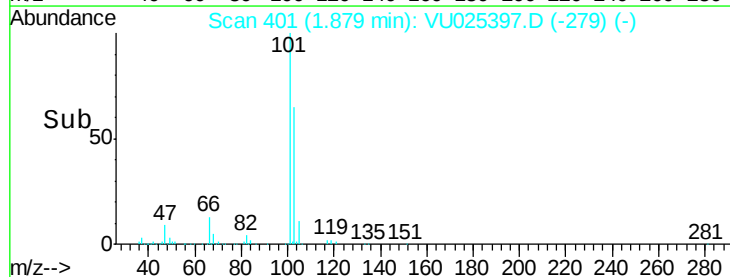
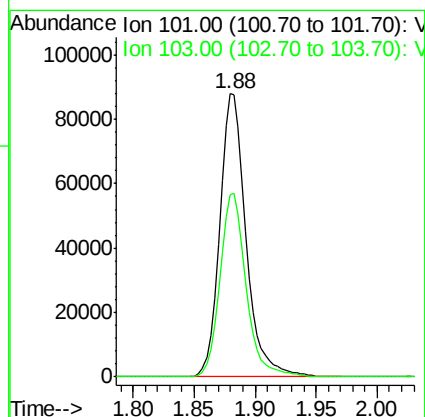
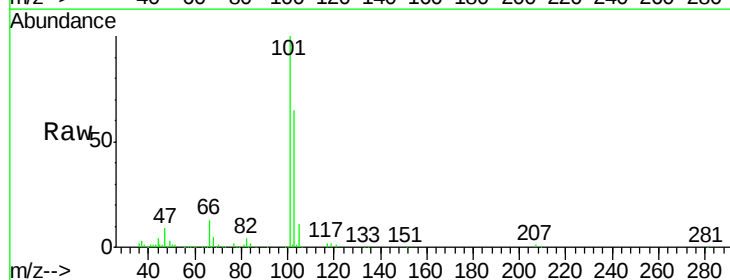
Acq: 13 Jul 2018 17:05

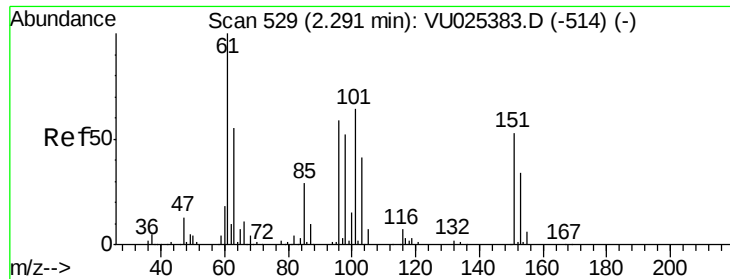
Tgt Ion: 101 Resp: 133116

Ion Ratio Lower Upper

101 100

103 64.8 51.1 76.7





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 18.704 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.01 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

DB177

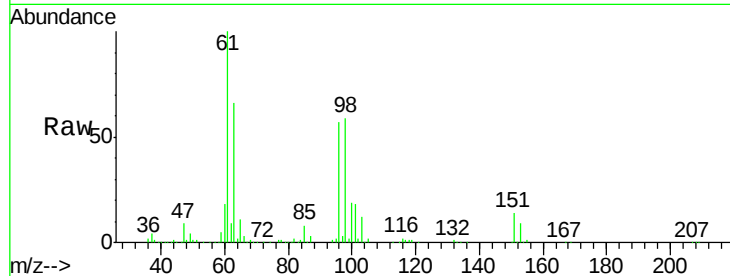
Tot Ion:101 Resp: 42949

Ion Ratio Lower Upper

101 100

85 44.0 35.8 53.6

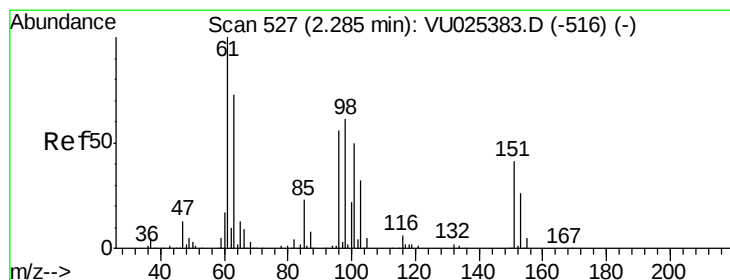
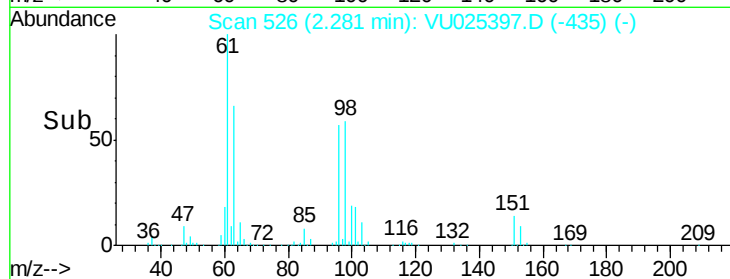
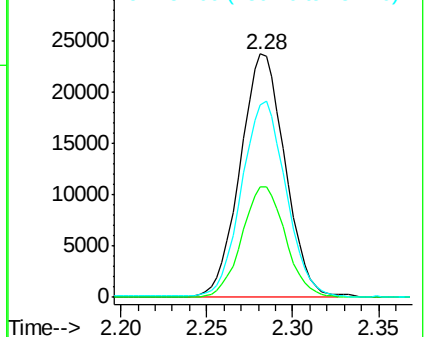
151 80.1 64.6 96.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 57.351 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

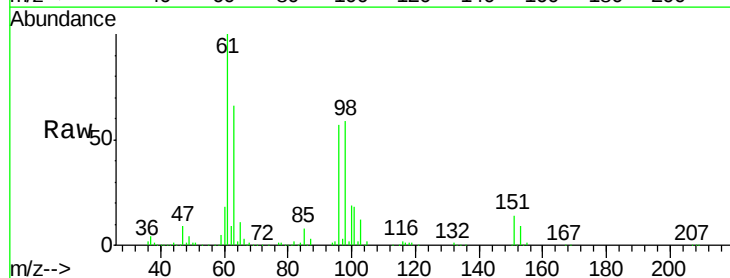
Tgt Ion: 96 Resp: 120156

Ion Ratio Lower Upper

96 100

61 174.1 128.1 237.9

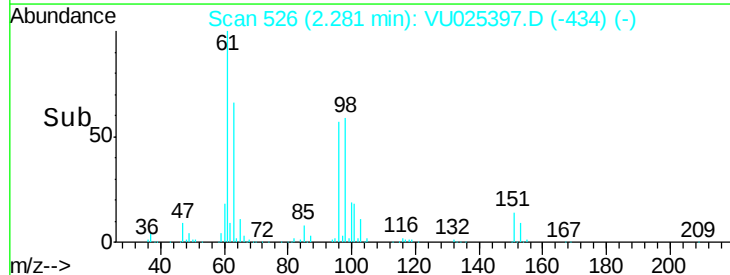
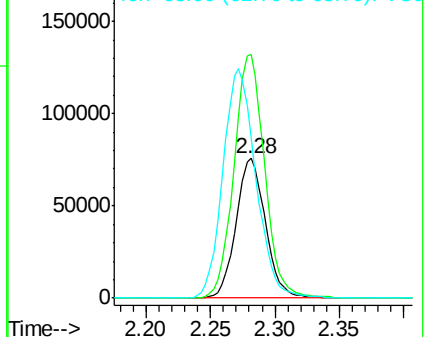
63 114.3 103.6 192.4

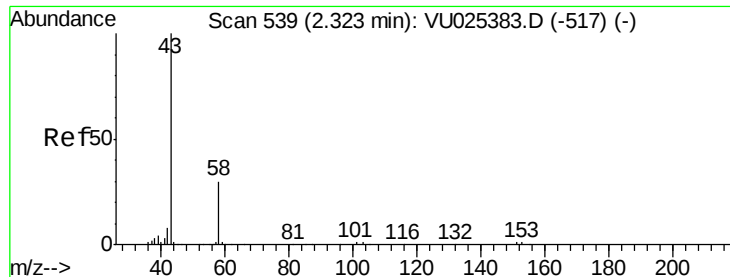


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.829 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

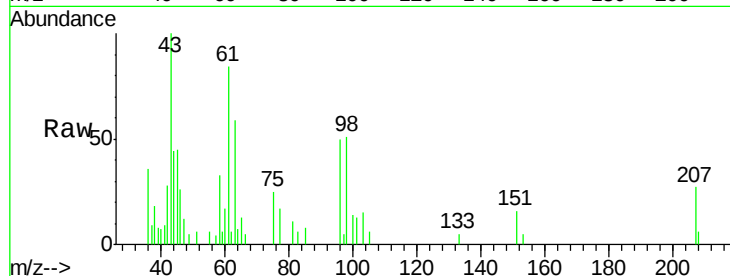
DB177

Tot Ion: 43 Resp: 4962

Ion Ratio Lower Upper

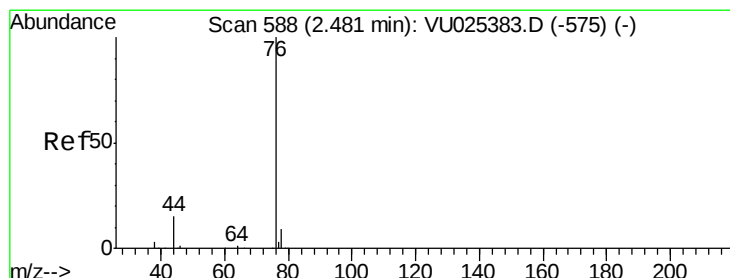
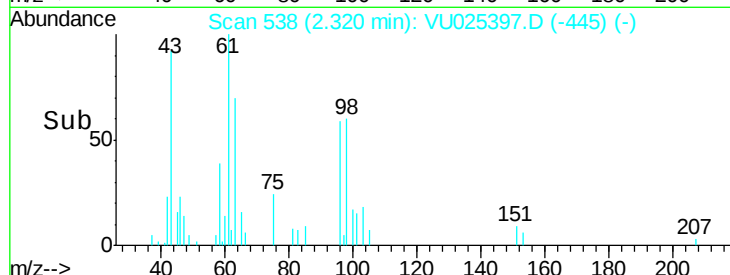
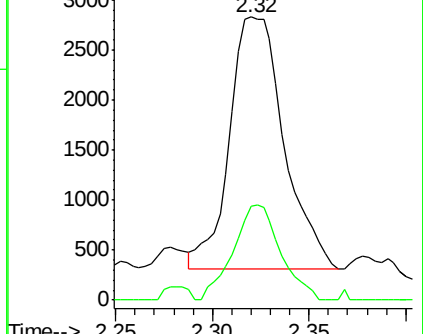
43 100

58 32.6 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 1.712 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025397.D

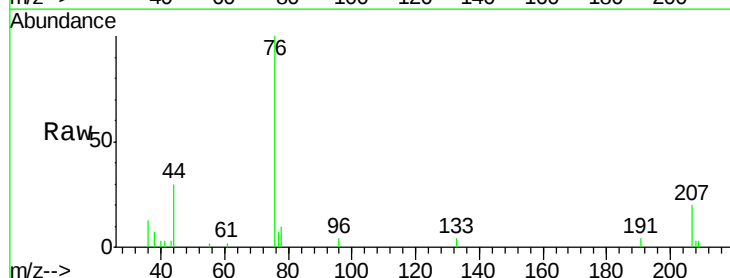
Acq: 13 Jul 2018 17:05

Tgt Ion: 76 Resp: 10829

Ion Ratio Lower Upper

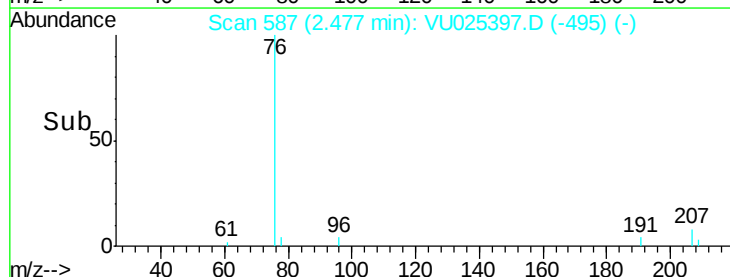
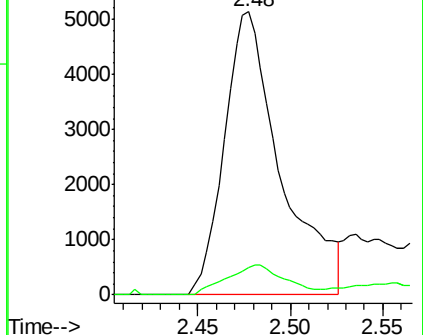
76 100

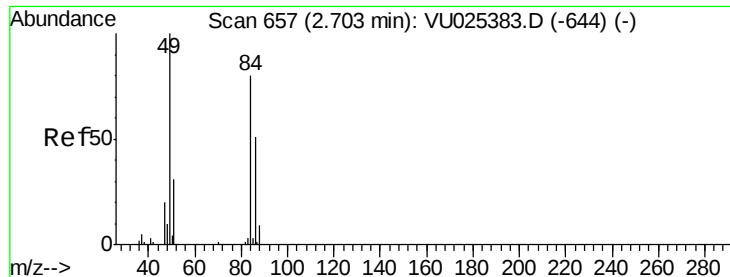
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

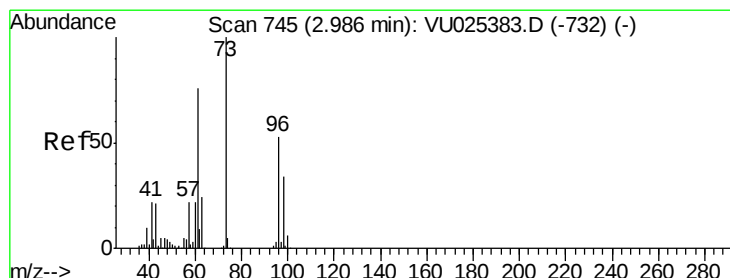
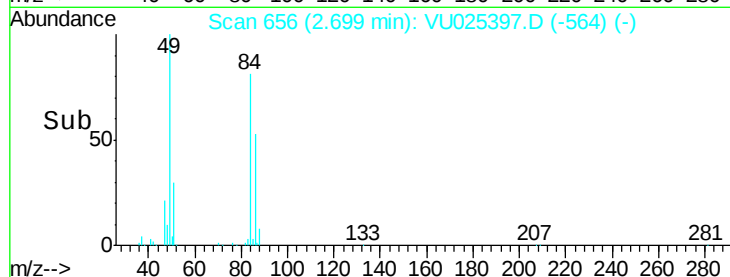
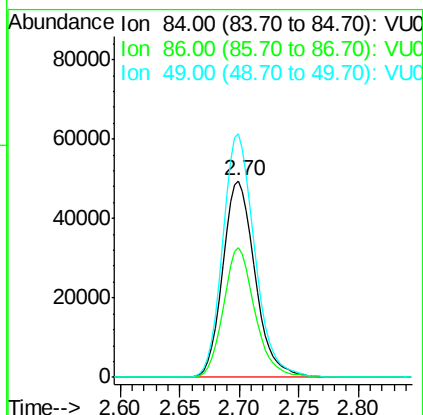
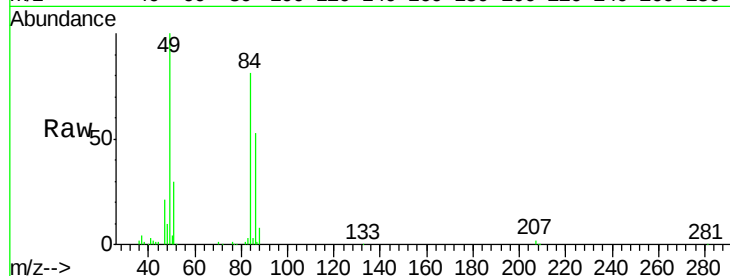




#16
Methvlene chloride
Concen: 38.004 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU025397.D
Acq: 13 Jul 2018 17:05

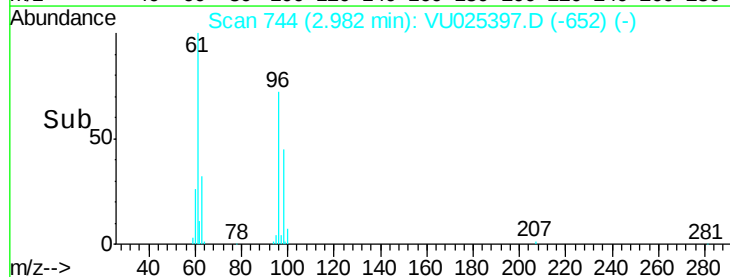
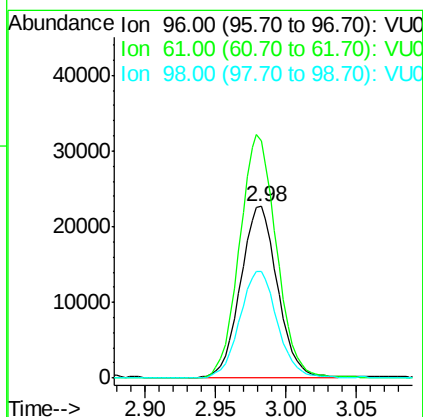
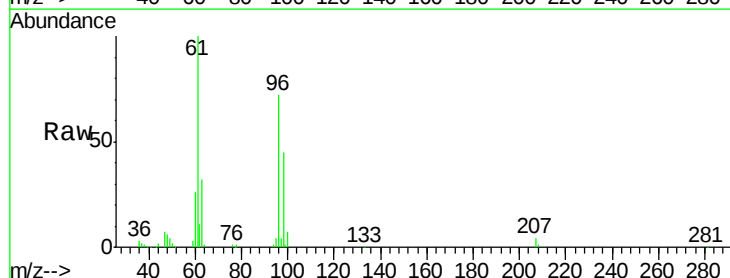
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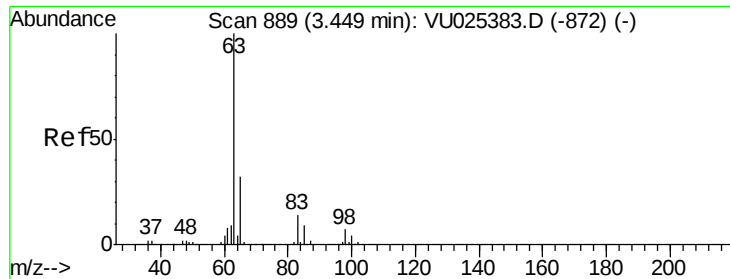
Tot Ion: 84 Resp: 93433
Ion Ratio Lower Upper
84 100
86 66.3 44.9 83.5
49 124.0 85.6 159.0



#17
trans-1,2-Dichloroethene
Concen: 18.466 ug/L
RT: 2.98 min Scan# 744
Delta R.T. -0.00 min
Lab File: VU025397.D
Acq: 13 Jul 2018 17:05

Tgt Ion: 96 Resp: 41888
Ion Ratio Lower Upper
96 100
61 138.0 102.7 190.7
98 62.2 44.4 82.5





#19

1,1-Dichloroethane

Concen: 56.687 ug/L

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampled :

DB177

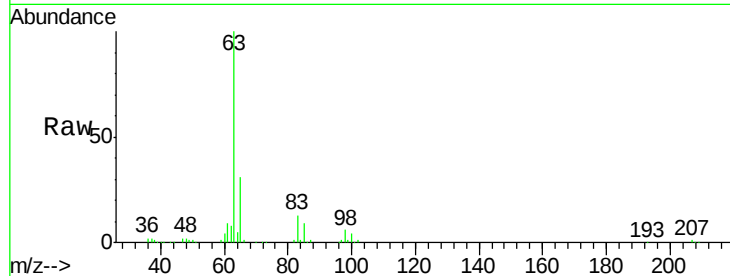
Tot Ion: 63 Resp: 244749

Ion Ratio Lower Upper

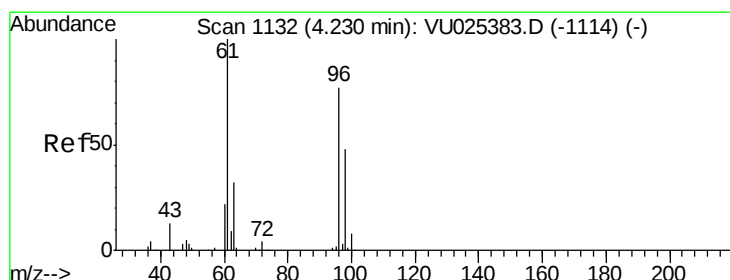
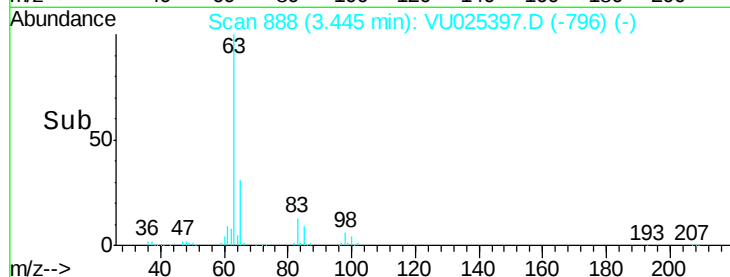
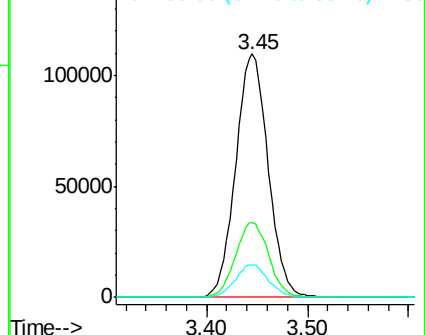
63 100

65 30.9 21.9 40.7

83 13.5 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 35.805 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

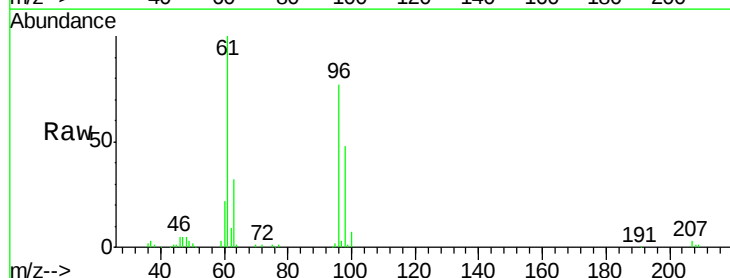
Tgt Ion: 96 Resp: 93801

Ion Ratio Lower Upper

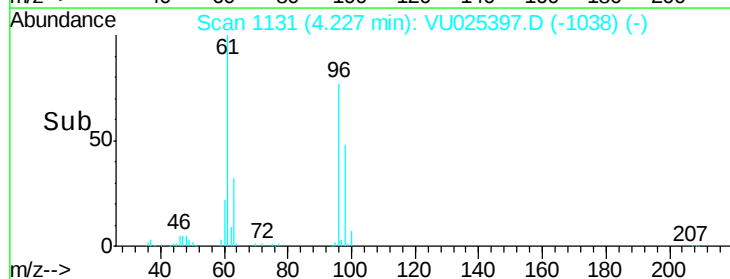
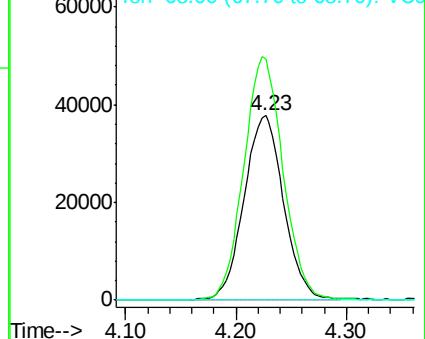
96 100

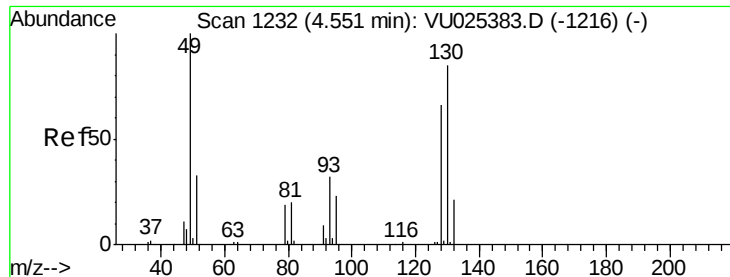
61 130.6 93.4 173.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#23

Bromochloromethane

Concen: 32.375 ug/L

RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

DB177

Tot Ion:128 Resp: 43603

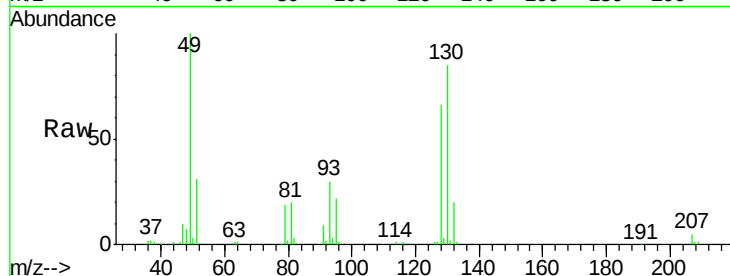
Ion Ratio Lower Upper

128 100

49 150.9 106.1 197.1

130 128.6 87.7 162.9

51 46.7 36.8 55.2

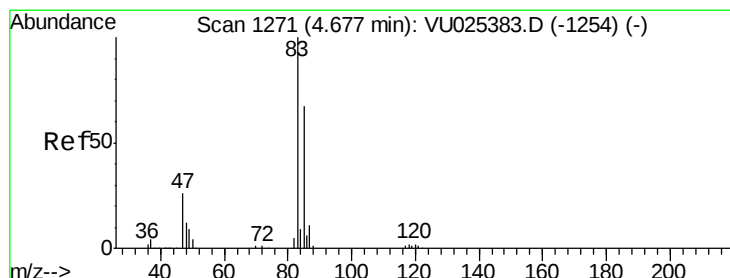
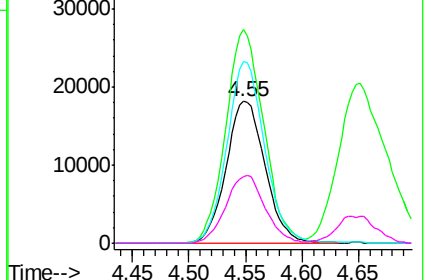
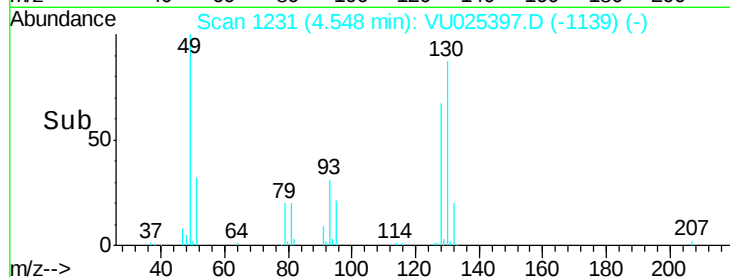


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 49.805 ug/L

RT: 4.67 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU025397.D

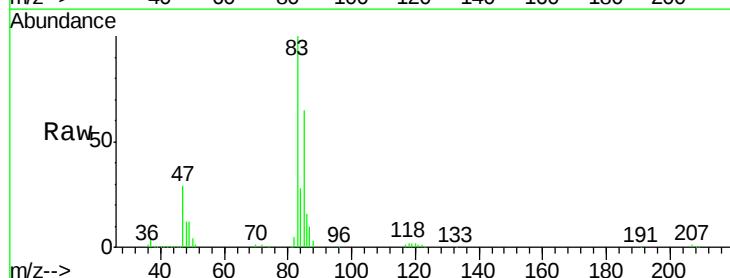
Acq: 13 Jul 2018 17:05

Tgt Ion: 83 Resp: 229594

Ion Ratio Lower Upper

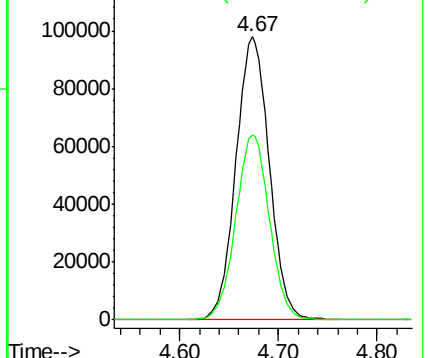
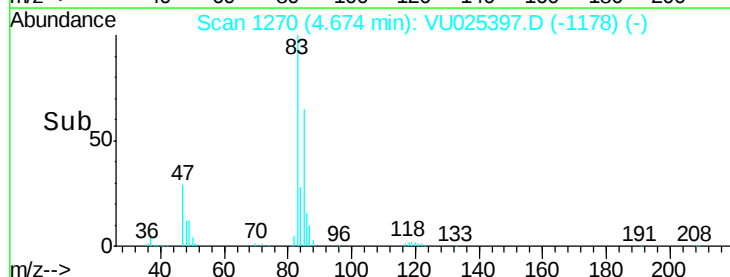
83 100

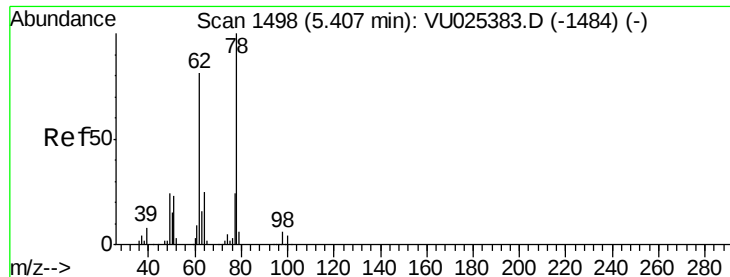
85 65.4 44.7 83.1



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

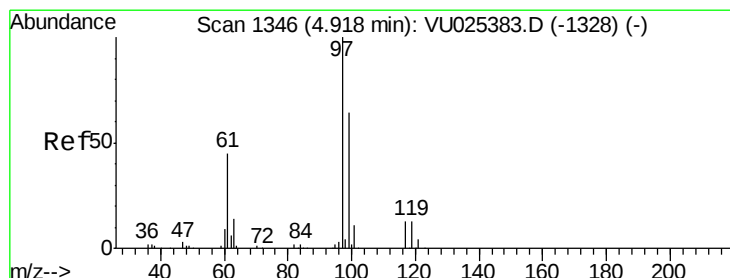
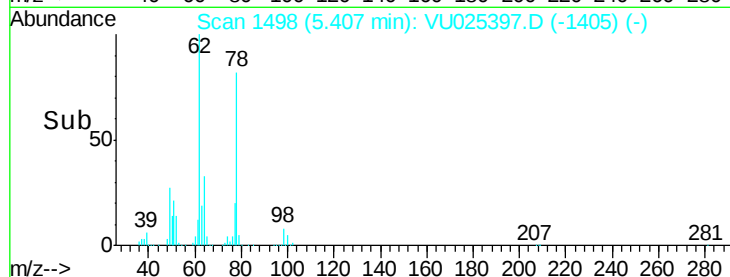
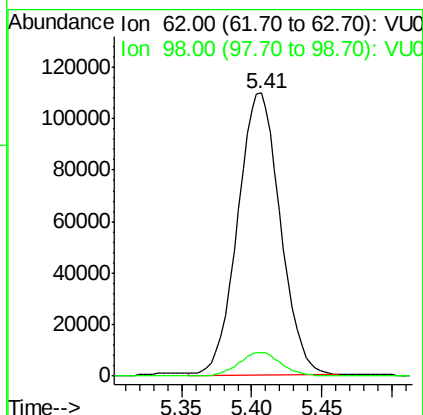
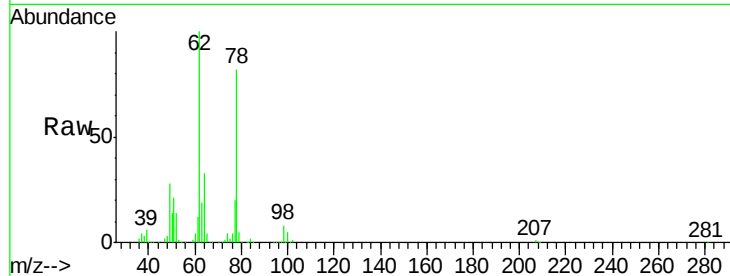




#27
 1,2-Dichloroethane
 Concen: 59.704 ug/L
 RT: 5.41 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: VU025397.D
 Acq: 13 Jul 2018 17:05

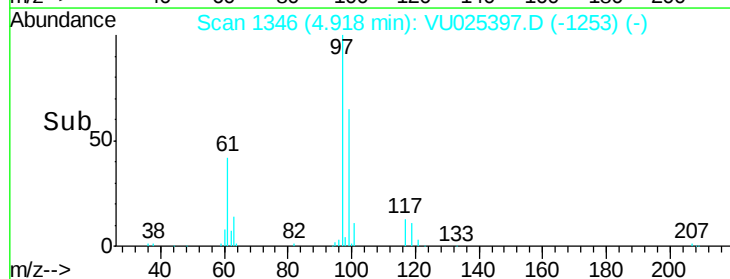
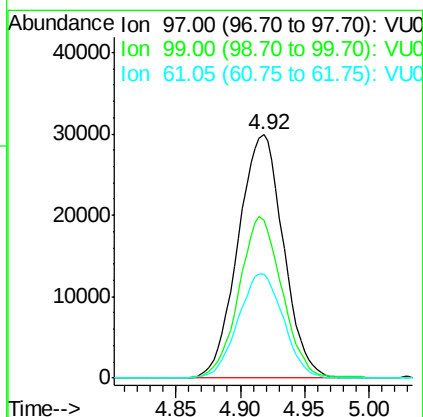
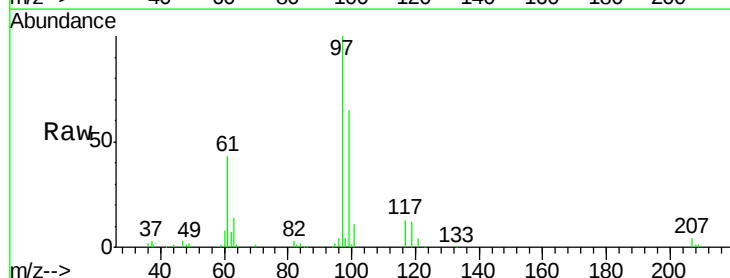
Instrument :
 MSVOA_U
 ClientSampleId :
 DB177

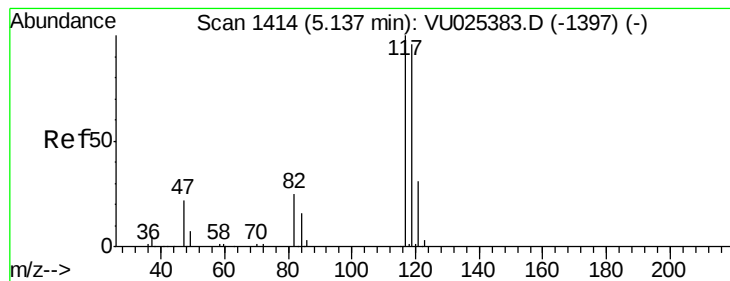
Tot Ion: 62 Resp: 230666
 Ion Ratio Lower Upper
 62 100
 98 8.5 6.4 9.6



#30
 1,1,1-Trichloroethane
 Concen: 17.376 ug/L
 RT: 4.92 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VU025397.D
 Acq: 13 Jul 2018 17:05

Tgt Ion: 97 Resp: 73220
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.4 77.2
 61 42.7 35.5 53.3





#31

Carbon tetrachloride

Concen: 51.784 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

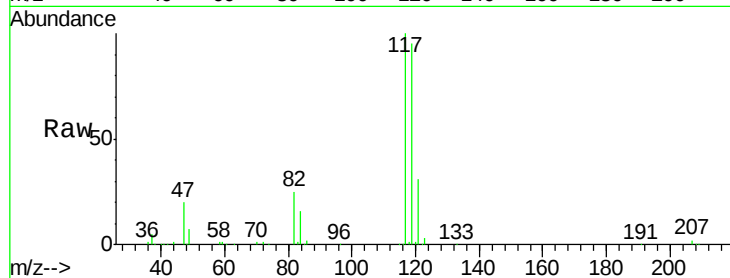
DB177

Tot Ion:117 Resp: 190717

Ion Ratio Lower Upper

117 100

119 95.6 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.14

80000

60000

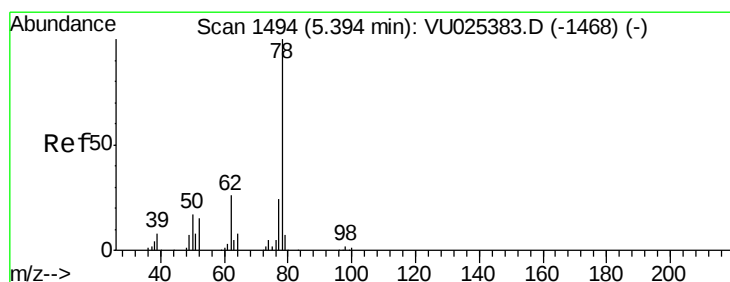
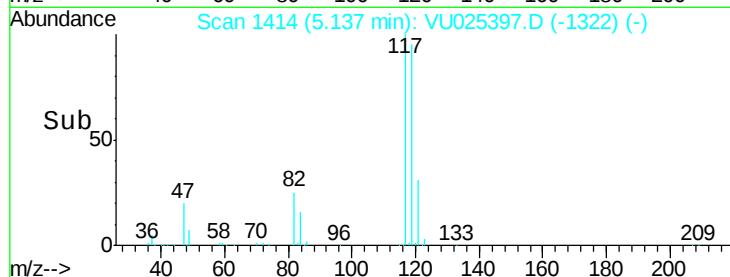
40000

20000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 40.042 ug/L

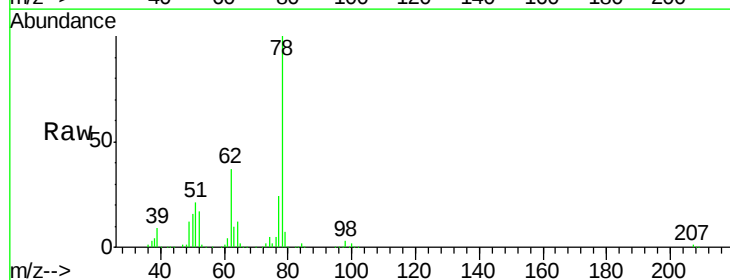
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Tgt Ion: 78 Resp: 383134



Abundance Ion 78.00 (77.70 to 78.70): VU0

200000

150000

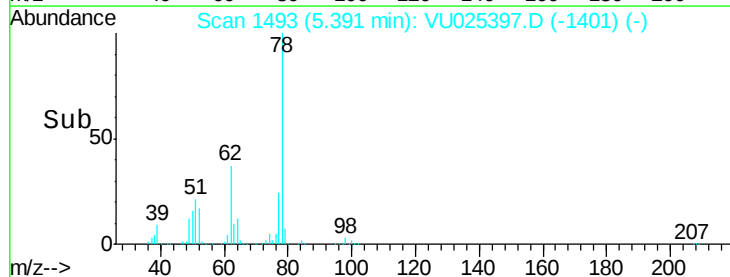
100000

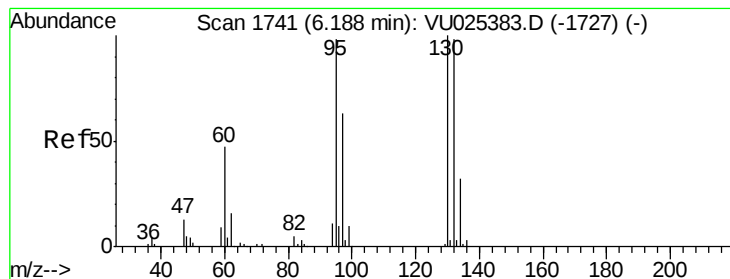
50000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 70.425 ug/L

RT: 6.18 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

DB177

Tot Ion: 95 Resp: 179250

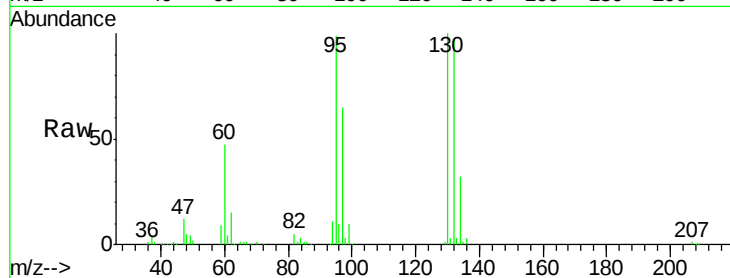
Ion Ratio Lower Upper

95 100

97 65.0 44.1 81.9

132 97.4 70.2 130.4

130 100.8 71.7 133.1

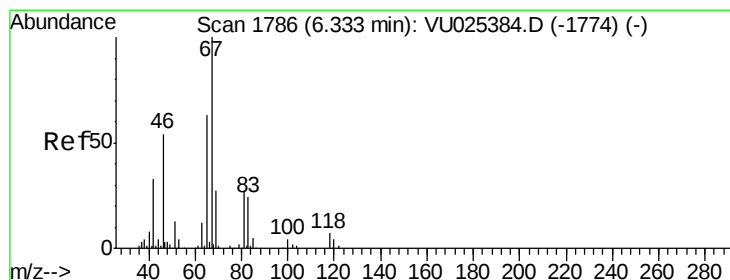
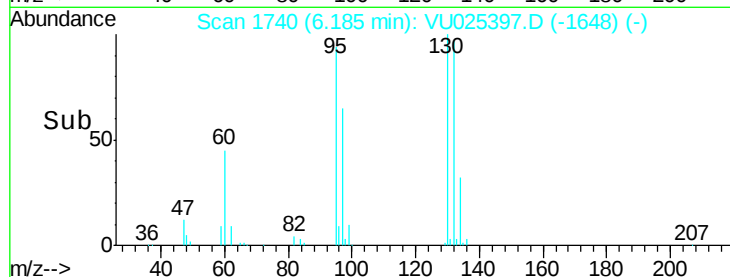
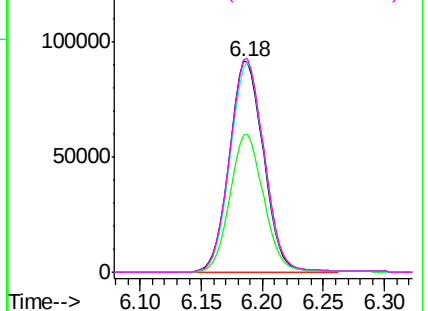


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 34.971 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025397.D

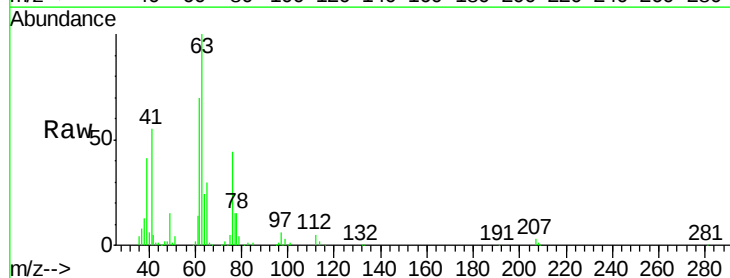
Acq: 13 Jul 2018 17:05

Tgt Ion: 63 Resp: 89355

Ion Ratio Lower Upper

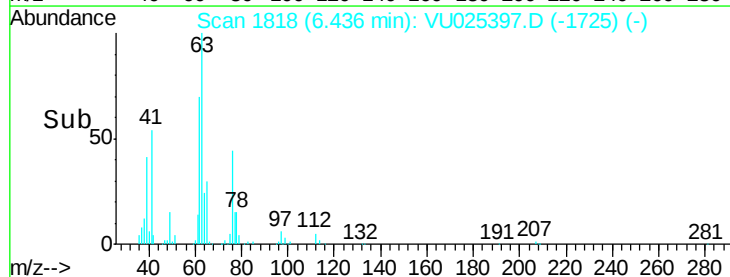
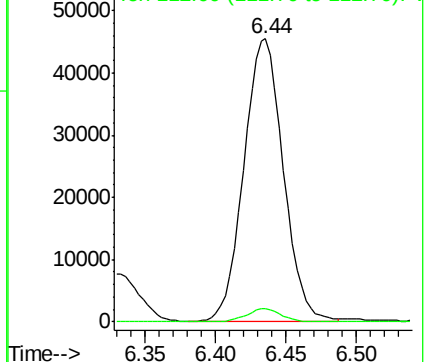
63 100

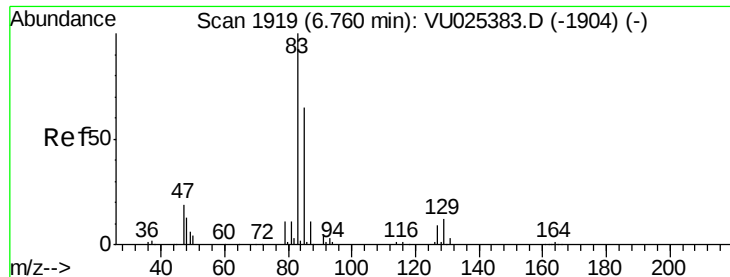
112 4.1 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 16.736 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

DB177

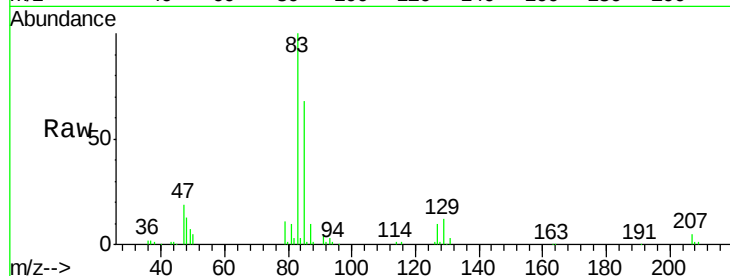
Tot Ion: 83 Resp: 56838

Ion Ratio Lower Upper

83 100

85 68.4 45.9 85.3

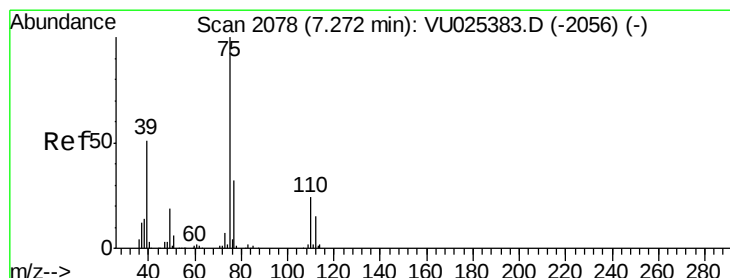
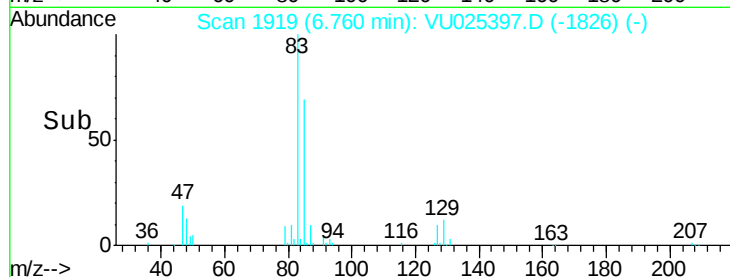
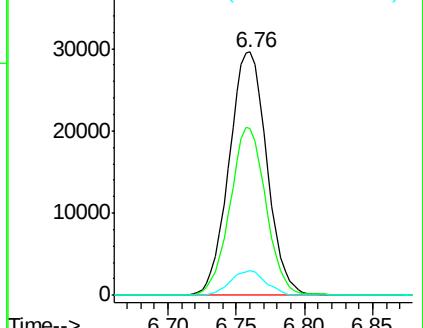
127 10.2 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V



#39

cis-1,3-Dichloropropene

Concen: 20.214 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025397.D

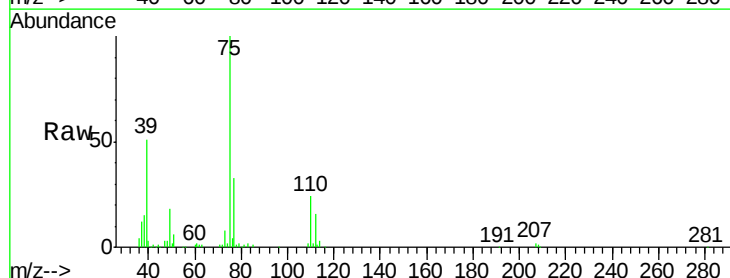
Acq: 13 Jul 2018 17:05

Tgt Ion: 75 Resp: 81801

Ion Ratio Lower Upper

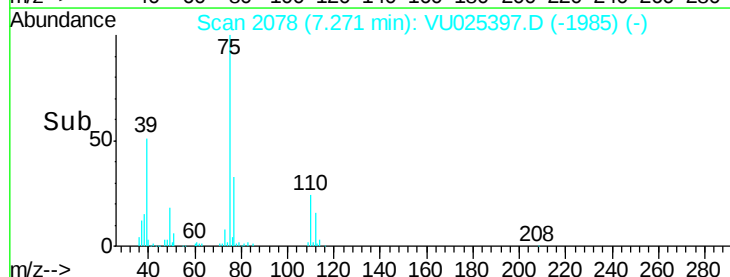
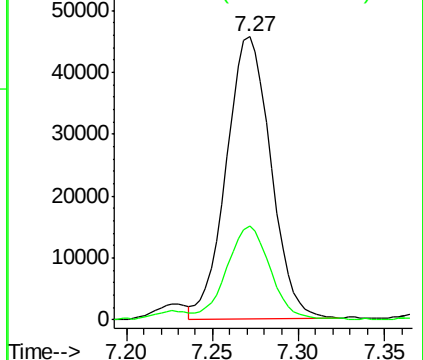
75 100

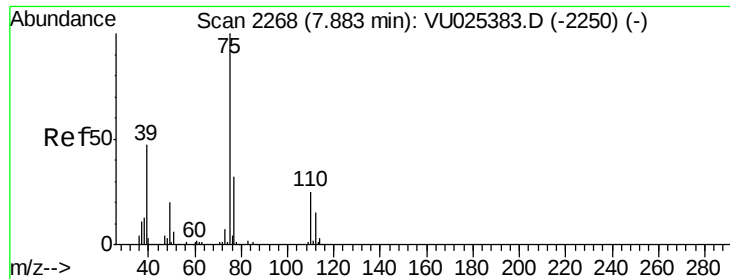
77 33.0 21.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 40.349 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

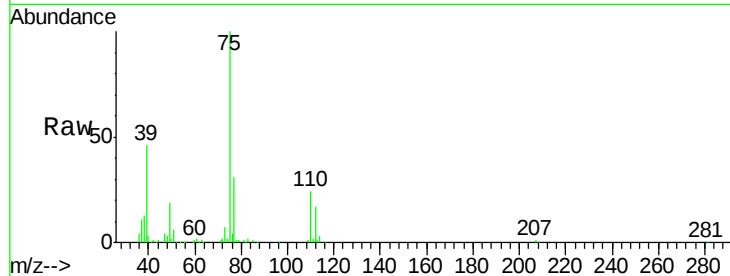
DB177

Tot Ion: 75 Resp: 151897

Ion Ratio Lower Upper

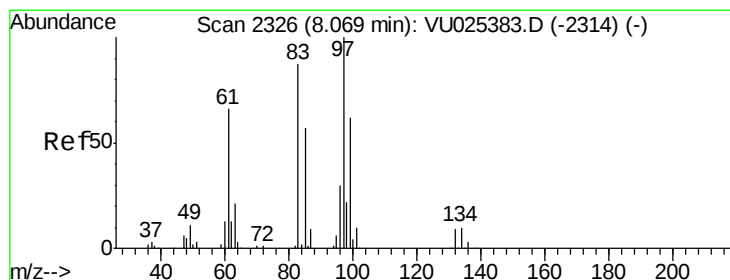
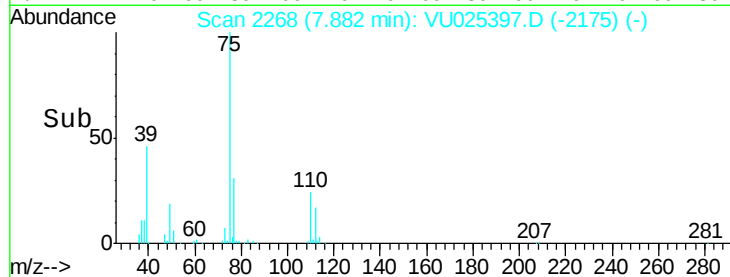
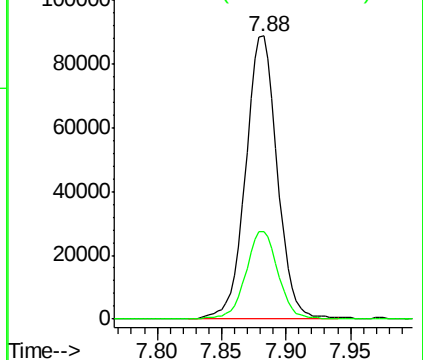
75 100

77 31.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#45

1,1,2-Trichloroethane

Concen: 22.141 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Tgt Ion: 97 Resp: 53985

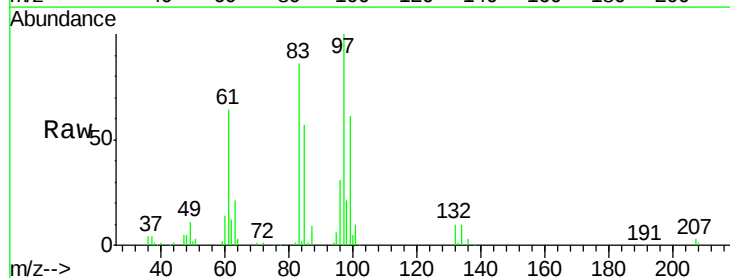
Ion Ratio Lower Upper

97 100

99 61.3 44.1 81.9

83 85.6 58.7 108.9

85 56.8 39.0 72.4

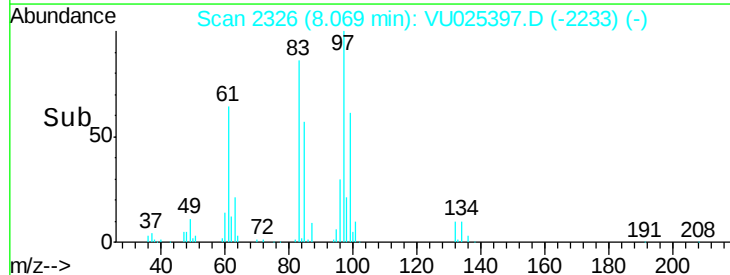
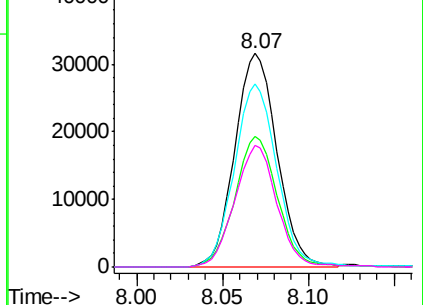


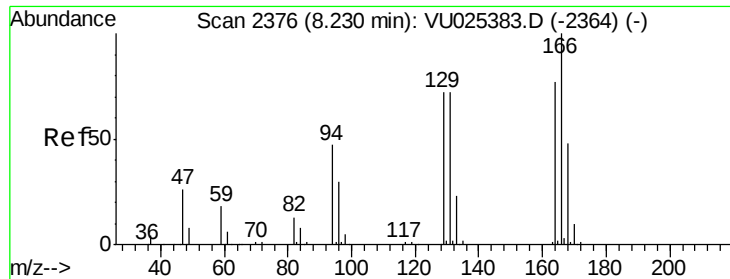
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#46

Tetrachloroethene

Concen: 60.324 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

DB177

Tot Ion:164 Resp: 129969

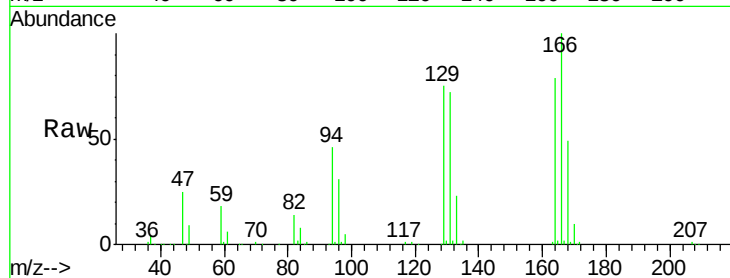
Ion Ratio Lower Upper

164 100

129 94.3 66.1 122.8

131 91.0 62.7 116.5

166 126.0 88.8 165.0

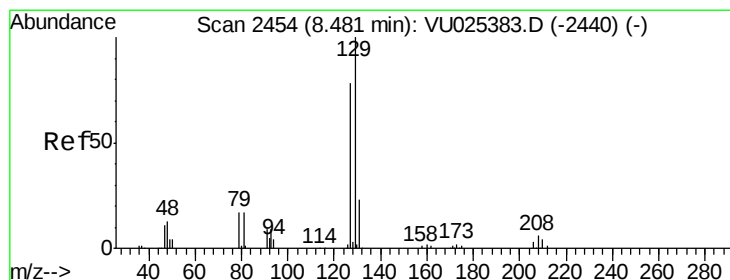
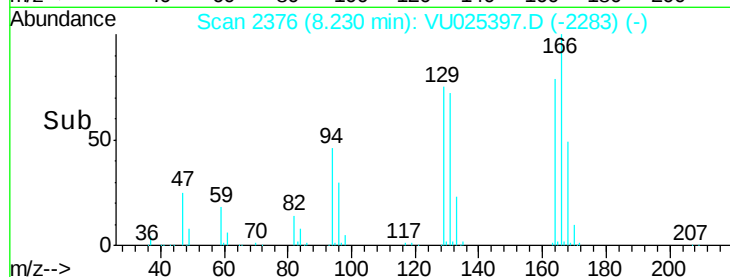
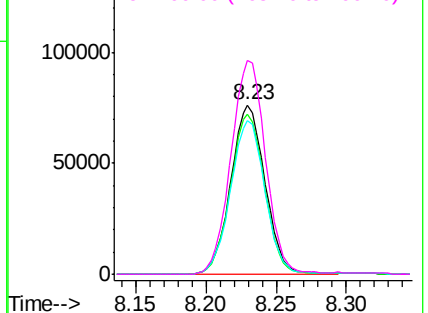


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 31.288 ug/L

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025397.D

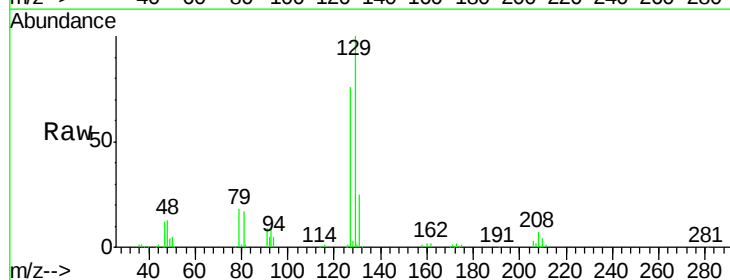
Acq: 13 Jul 2018 17:05

Tgt Ion:129 Resp: 89523

Ion Ratio Lower Upper

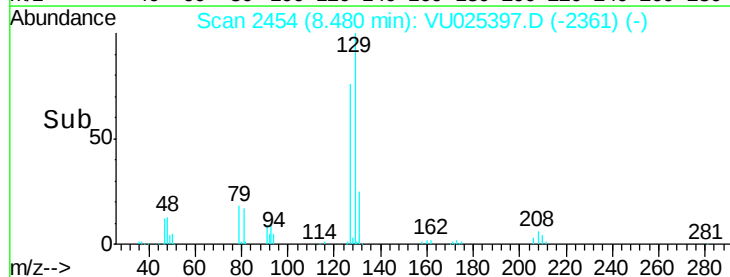
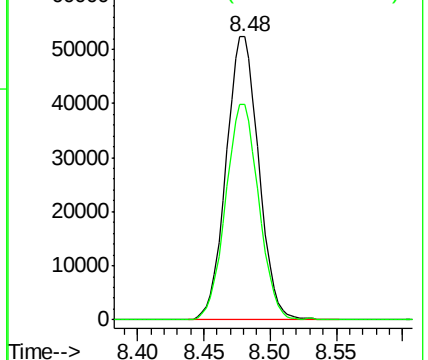
129 100

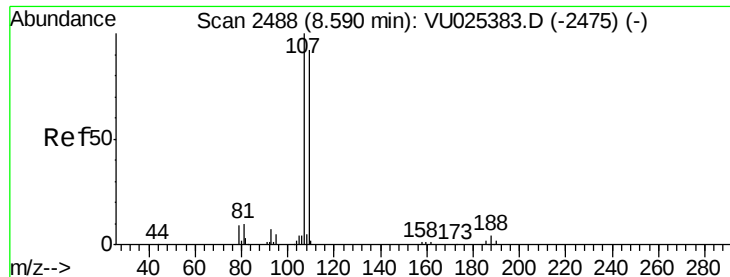
127 76.1 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 25.827 ug/L

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

DB177

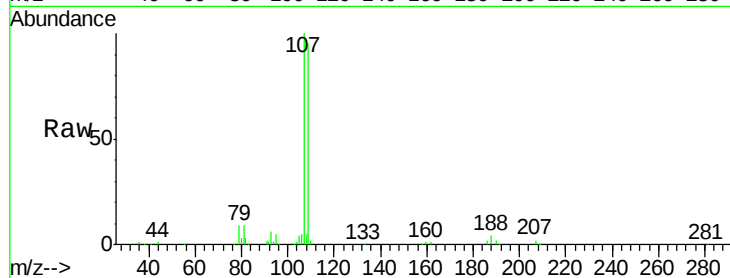
Tot Ion:107 Resp: 69653

Ion Ratio Lower Upper

107 100

109 95.0 67.1 124.5

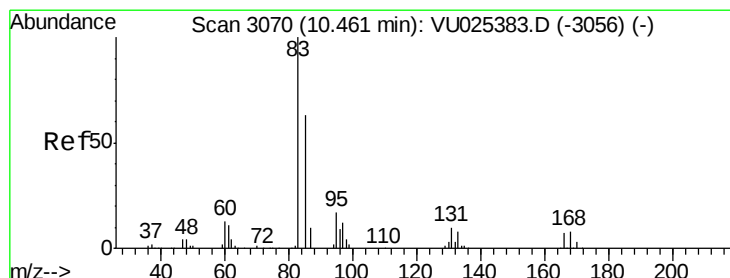
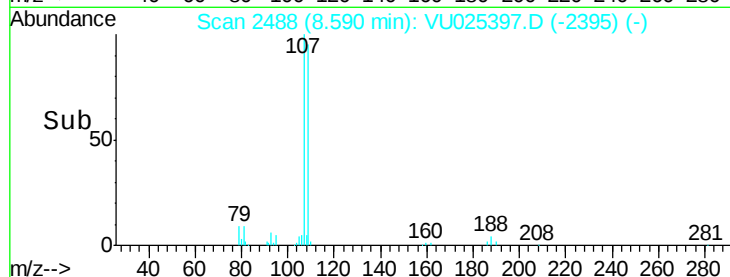
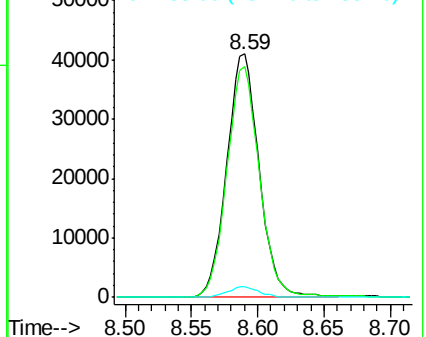
188 4.3 3.4 5.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 34.447 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

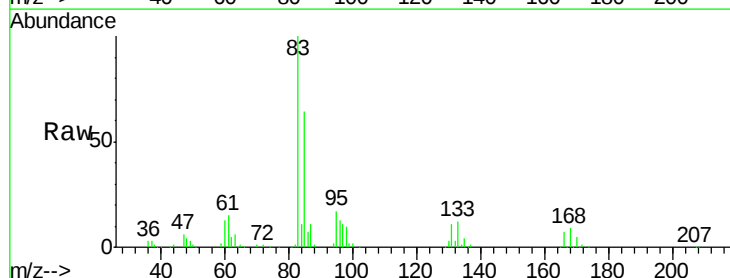
Tgt Ion: 83 Resp: 140158

Ion Ratio Lower Upper

83 100

85 63.5 45.1 83.7

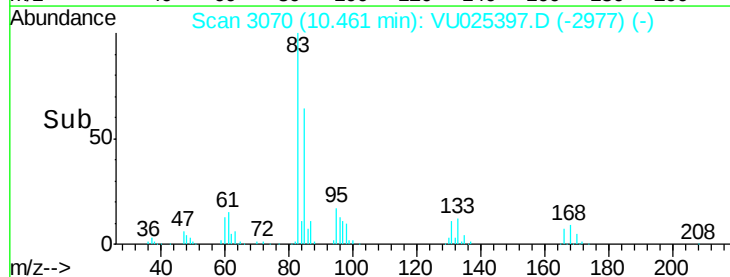
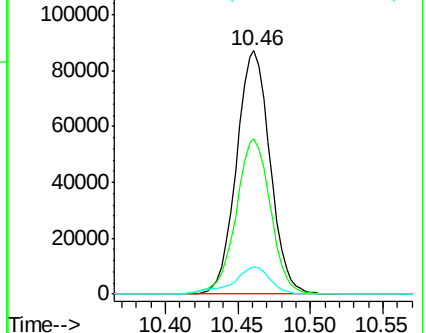
131 11.1 8.7 13.1

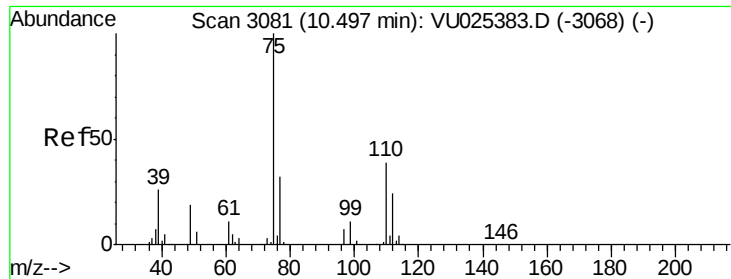


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 1.334 ug/L

RT: 11.15 min Scan# 3285

Delta R.T. 0.66 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

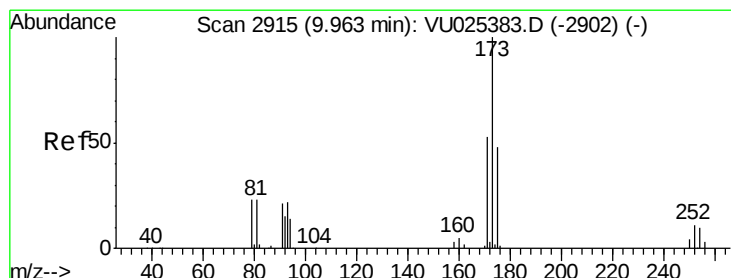
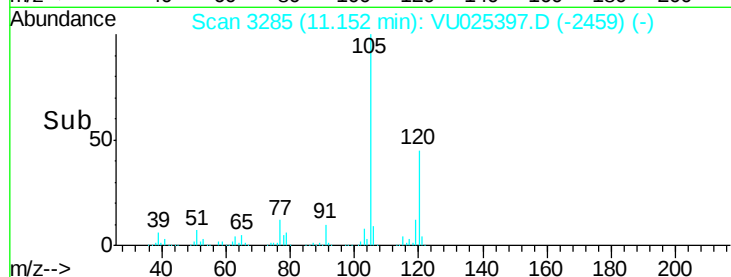
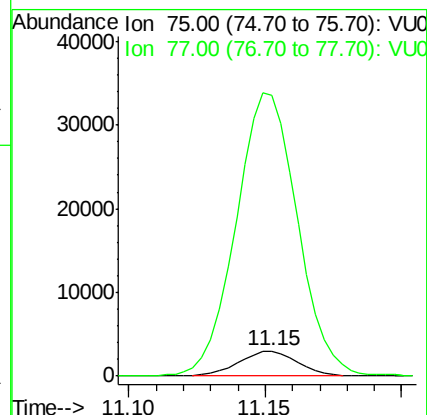
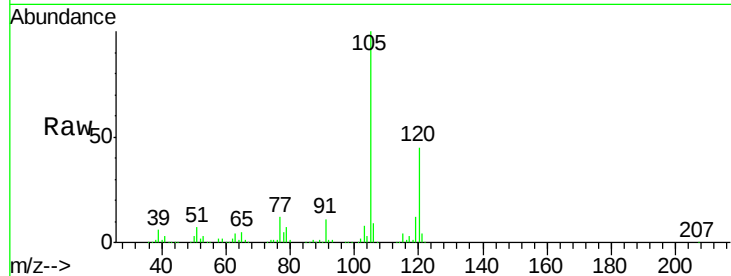
DB177

Tot Ion: 75 Resp: 4420

Ion Ratio Lower Upper

75 100

77 1193.6 26.2 39.4#



#61

Bromoform

Concen: 38.726 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

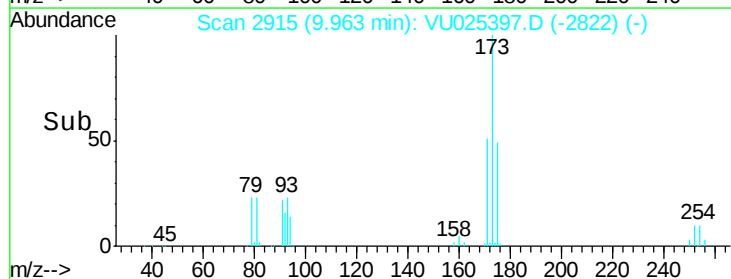
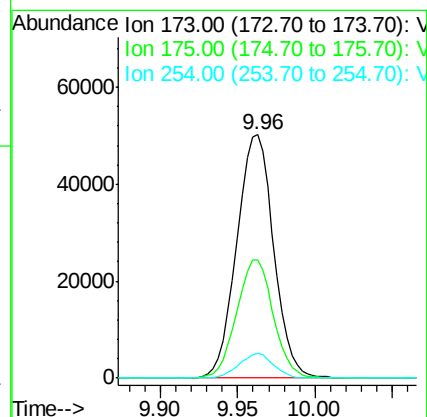
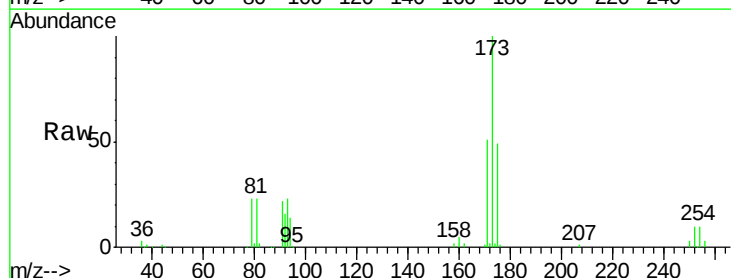
Tgt Ion: 173 Resp: 83059

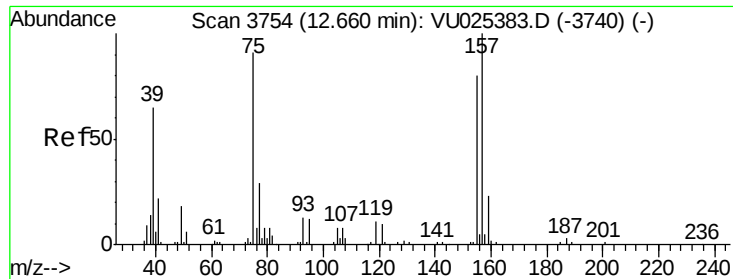
Ion Ratio Lower Upper

173 100

175 48.4 39.1 58.7

254 9.5 7.7 11.5





#66

1,2-Dibromo-3-chloropropane

Concen: 34.239 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025397.D

Acq: 13 Jul 2018 17:05

Instrument :

MSVOA_U

ClientSampleId :

DB177

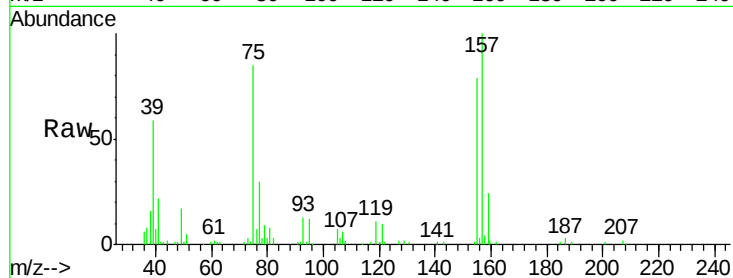
Tot Ion: 75 Resp: 32733

Ion Ratio Lower Upper

75 100

155 92.9 66.3 99.5

157 118.0 87.9 131.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

