

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091318\
 Data File : VU026707.D
 Acq On : 12 Sep 2018 17:19
 Operator : MD/SY
 Sample : J4868-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB3M7

Quant Time: Sep 13 13:44:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 13 03:38:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	234846	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	218566	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	108283	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	68423	39.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.20%
7) Chloroethane-d5	1.66	69	60394	42.82	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.64%
11) 1,1-Dichloroethene-d2	2.27	63	147851	47.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.42%
21) 2-Butanone-d5	4.18	46	130460	119.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.79%
24) Chloroform-d	4.65	84	142750	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.12%
26) 1,2-Dichloroethane-d4	5.31	65	90729	47.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.28%
32) Benzene-d6	5.34	84	274575	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.08%
36) 1,2-Dichloropropane-d6	6.33	67	95866	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.00%
41) Toluene-d8	7.57	98	251430	47.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.74%
43) trans-1,3-Dichloropropene-	7.85	79	44272	50.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.32%
47) 2-Hexanone-d5	8.31	63	100014	129.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	129.13%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	144817	55.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	106532	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	47242	31.96	ug/L	99
3) Chloromethane	1.33	50	52605	27.07	ug/L	100
5) Vinyl chloride	1.40	62	111237	55.40	ug/L	98
6) Bromomethane	1.60	94	18704	15.98	ug/L	95
8) Chloroethane	1.68	64	32504	26.10	ug/L	97
9) Trichlorofluoromethane	1.87	101	112115	44.28	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	31884	22.11	ug/L	98
12) 1,1-Dichloroethene	2.28	96	92243	66.61	ug/L	88
16) Methylene chloride	2.70	84	67061	41.04	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	29350	20.00	ug/L	99
19) 1,1-Dichloroethane	3.44	63	178880	62.86	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	65408	39.58	ug/L	97
23) Bromochloromethane	4.55	128	33489	39.62	ug/L	97
25) Chloroform	4.67	83	159071	55.62	ug/L	98
27) 1,2-Dichloroethane	5.40	62	151436	66.68	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	47816	20.65	ug/L	99
31) Carbon tetrachloride	5.13	117	125540	59.98	ug/L	99

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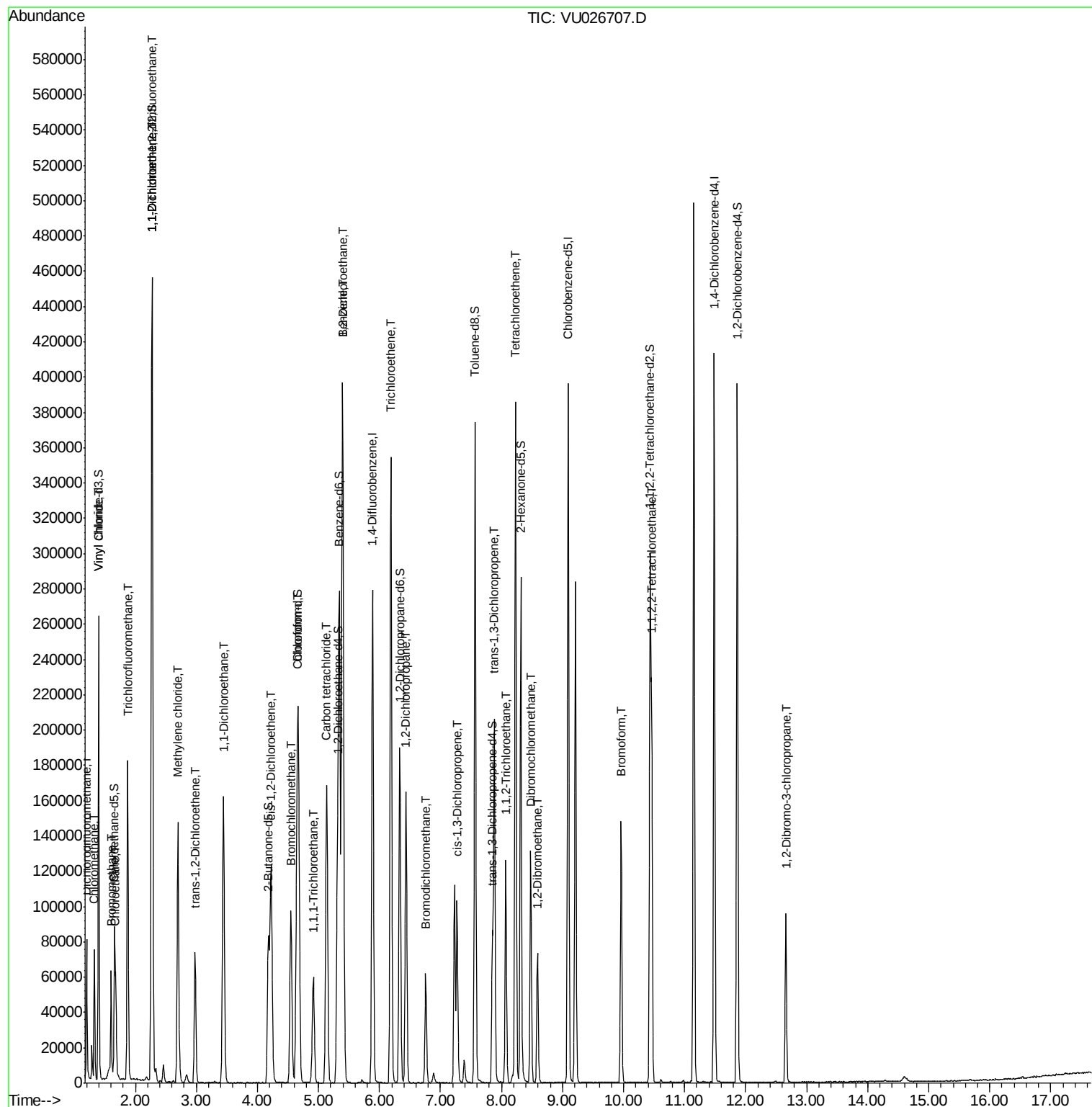
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzene	5.39	78	283648	46.34	ug/L	100
34) Trichloroethene	6.19	95	122342	80.42	ug/L	99
37) 1,2-Dichloropropane	6.43	63	67189	39.29	ug/L	100
38) Bromodichloromethane	6.76	83	41744	19.92	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	60785	24.02	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	111084	47.19	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	38890	25.64	ug/L	98
46) Tetrachloroethene	8.23	164	87243	68.24	ug/L	99
49) Dibromochloromethane	8.48	129	67355	38.42	ug/L	96
50) 1,2-Dibromoethane	8.59	107	48363	29.81	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	104531	39.78	ug/L	99
61) Bromoform	9.96	173	67649	50.72	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	23457	44.19	ug/L	95

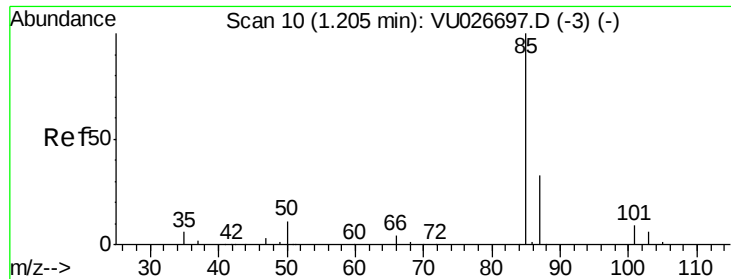
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 31.96 ug/L

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

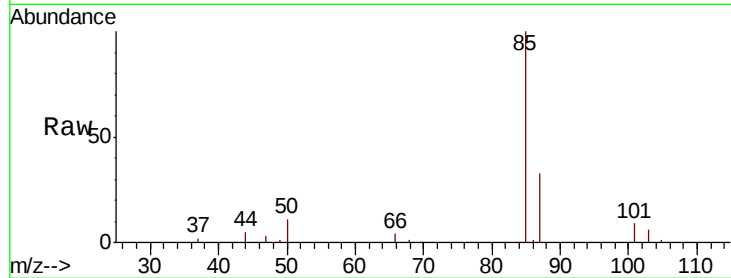
DB3M7

Tot Ion: 85 Resp: 47242

Ion Ratio Lower Upper

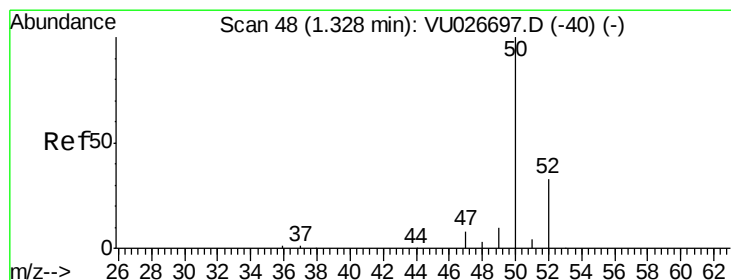
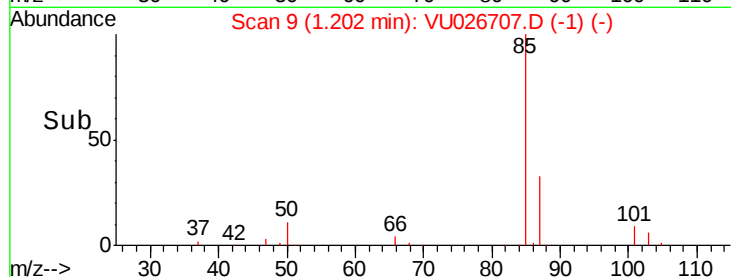
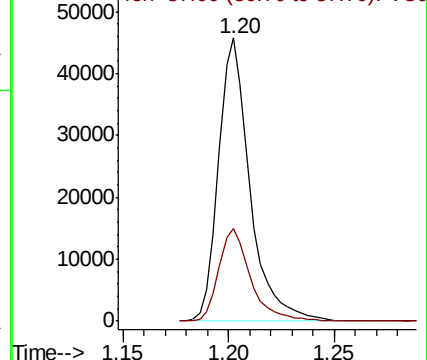
85 100

87 33.0 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: 27.07 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026707.D

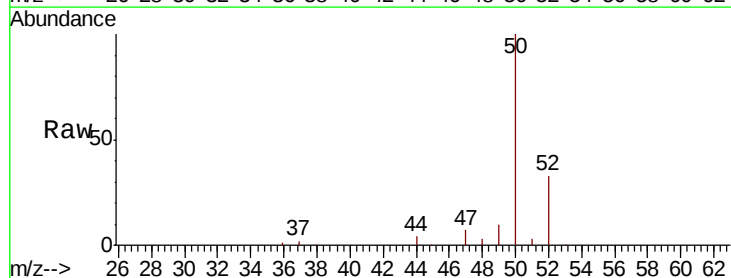
Acq: 12 Sep 2018 17:19

Tgt Ion: 50 Resp: 52605

Ion Ratio Lower Upper

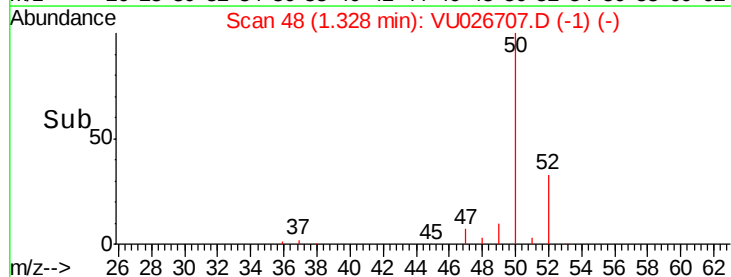
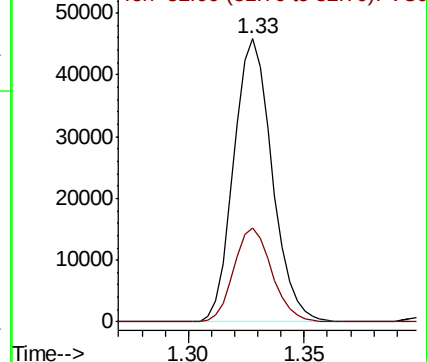
50 100

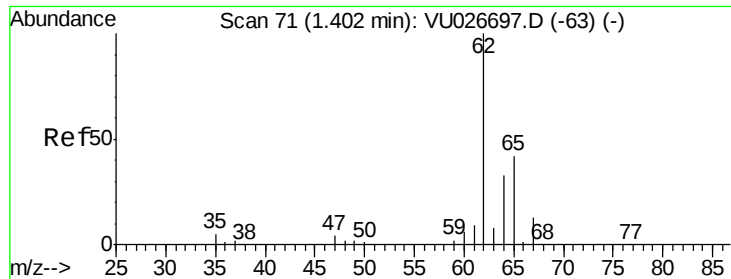
52 33.4 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 55.40 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.00 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

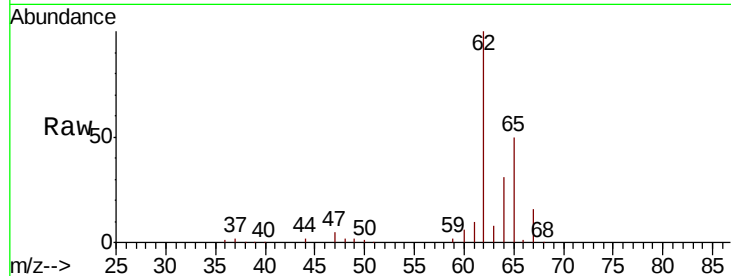
DB3M7

Tot Ion: 62 Resp: 111237

Ion Ratio Lower Upper

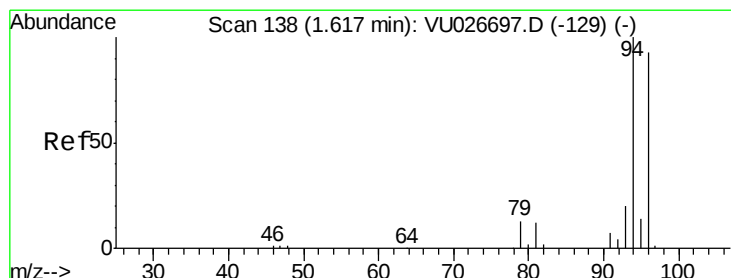
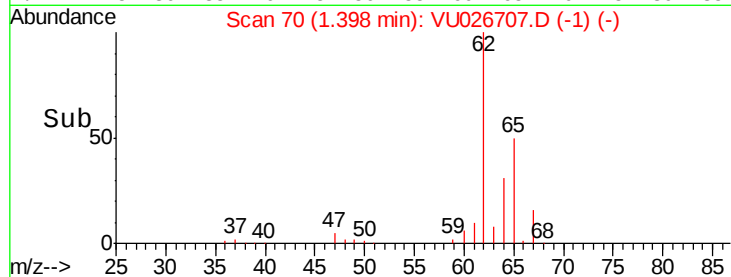
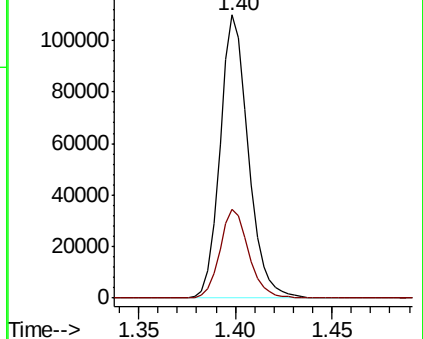
62 100

64 31.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 15.98 ug/L

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU026707.D

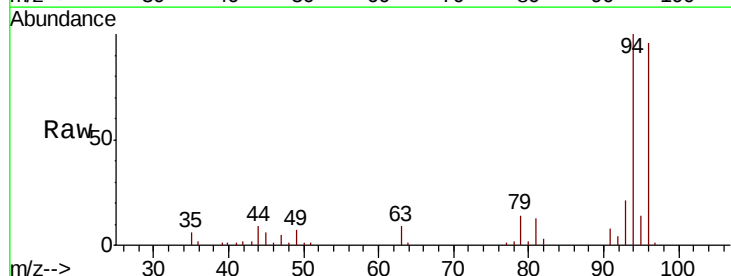
Acq: 12 Sep 2018 17:19

Tgt Ion: 94 Resp: 18704

Ion Ratio Lower Upper

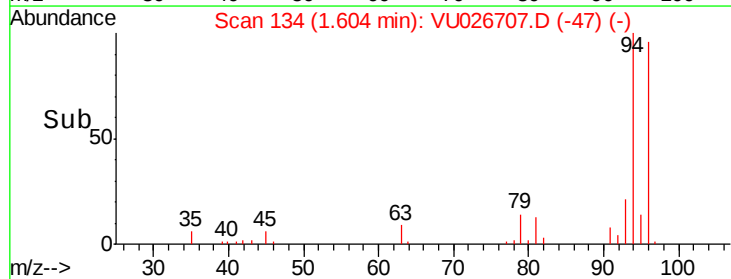
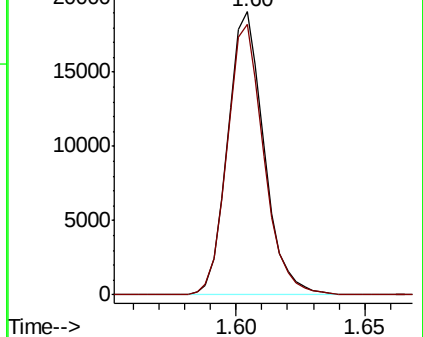
94 100

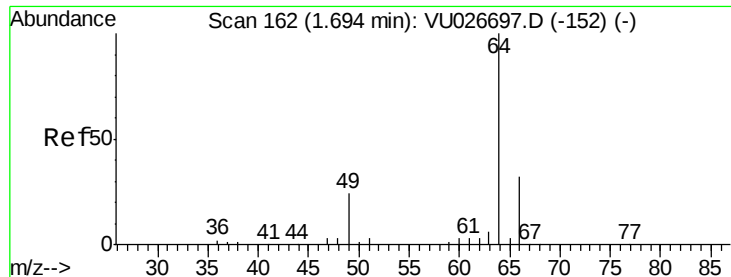
96 95.5 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 26.10 ug/L

RT: 1.68 min Scan# 157

Delta R.T. -0.02 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

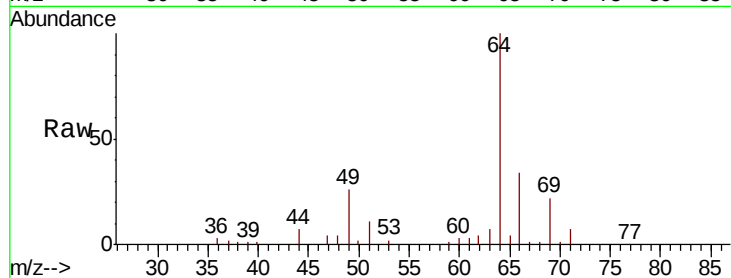
DB3M7

Tot Ion: 64 Resp: 32504

Ion Ratio Lower Upper

64 100

66 33.5 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU026697.D (-152) (-)

Ion 66.00 (65.70 to 66.70): VU026697.D (-152) (-)

1.68

25000

20000

15000

10000

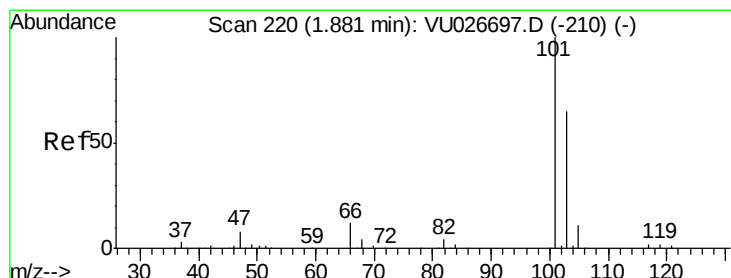
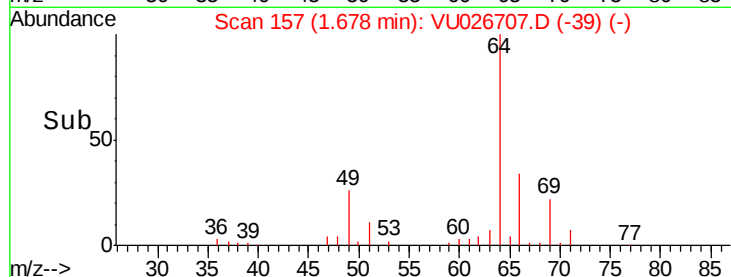
5000

0

Time-->

1.65

1.70



#9

Trichlorofluoromethane

Concen: 44.28 ug/L

RT: 1.87 min Scan# 218

Delta R.T. -0.01 min

Lab File: VU026707.D

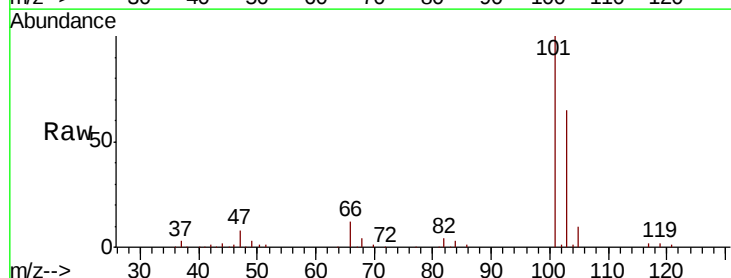
Acq: 12 Sep 2018 17:19

Tgt Ion:101 Resp: 112115

Ion Ratio Lower Upper

101 100

103 63.9 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU026697.D (-210) (-)

Ion 103.00 (102.70 to 103.70): VU026697.D (-210) (-)

1.87

80000

60000

40000

20000

0

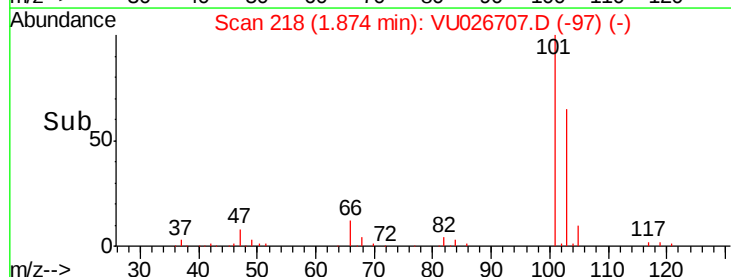
Time-->

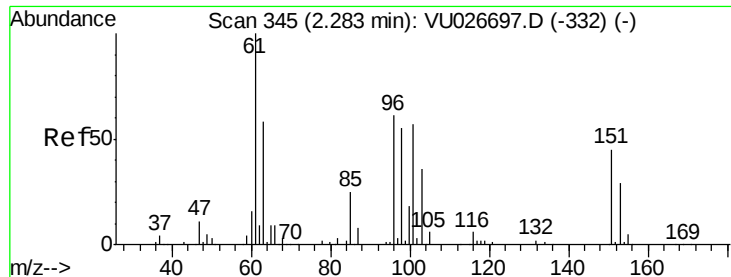
1.80

1.85

1.90

1.95





#10

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

Concen: 22.11 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

DB3M7

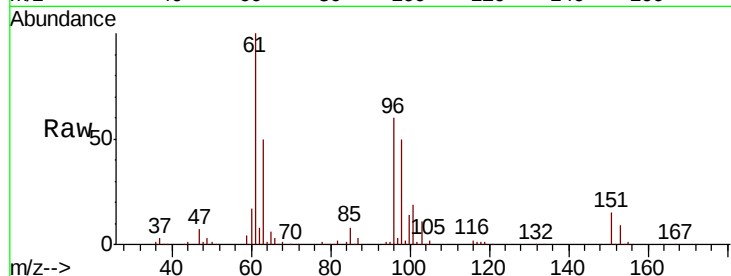
Tot Ion:101 Resp: 31884

Ion Ratio Lower Upper

101 100

85 41.3 34.1 51.1

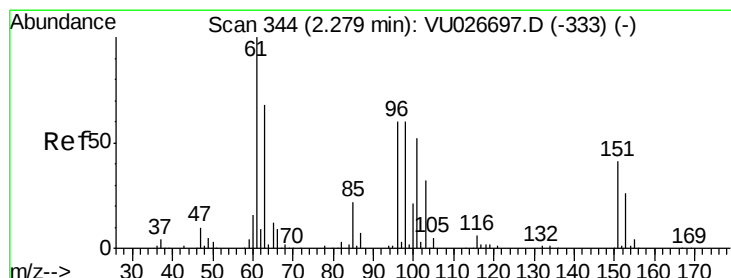
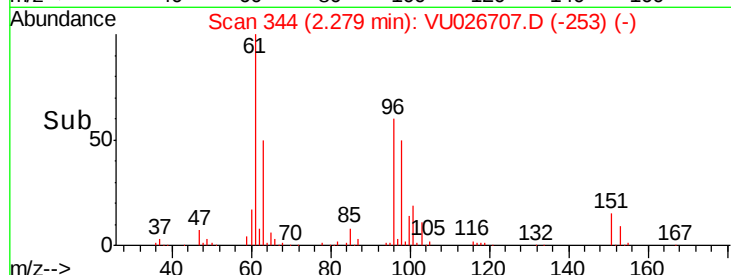
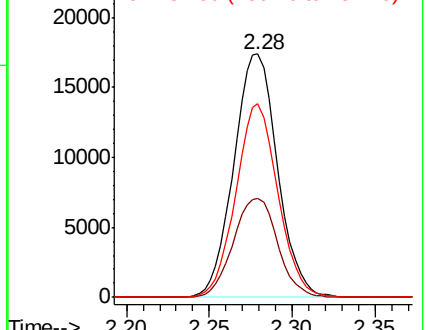
151 76.4 62.6 94.0



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: 66.61 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

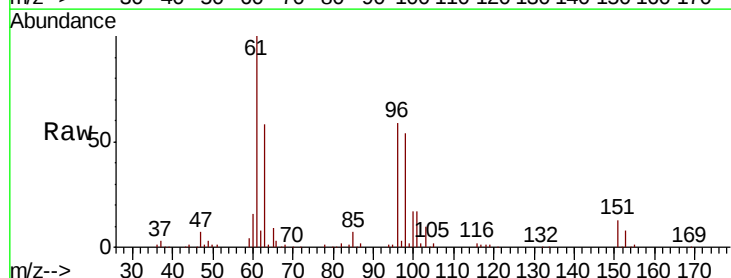
Tgt Ion: 96 Resp: 92243

Ion Ratio Lower Upper

96 100

61 169.9 121.0 224.8

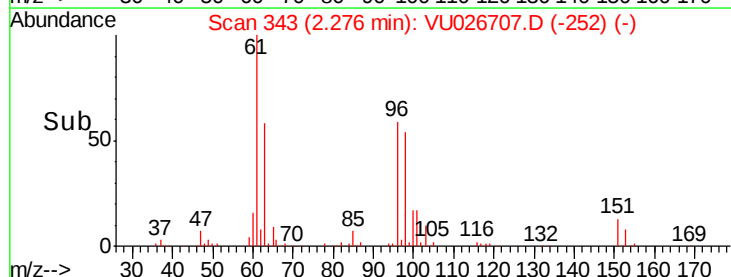
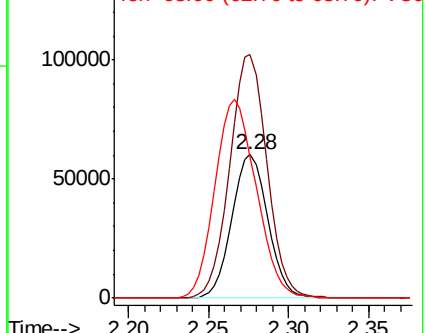
63 98.3 89.9 166.9

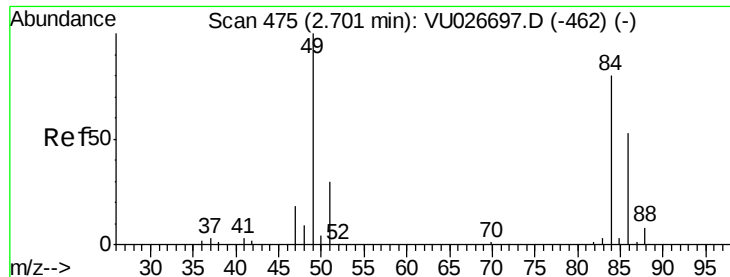


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

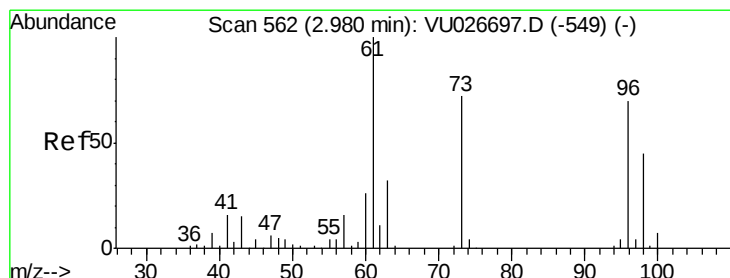
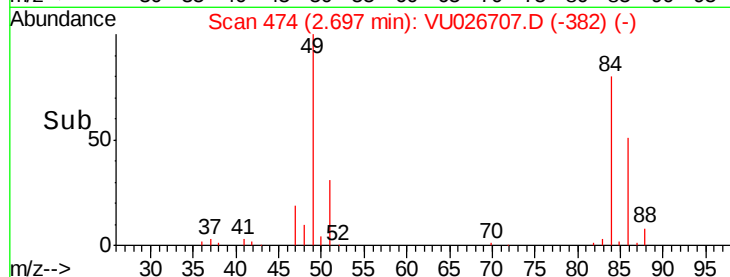
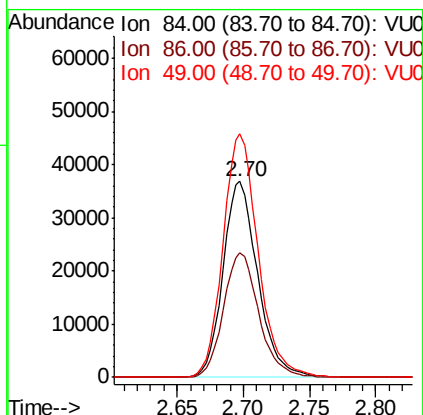
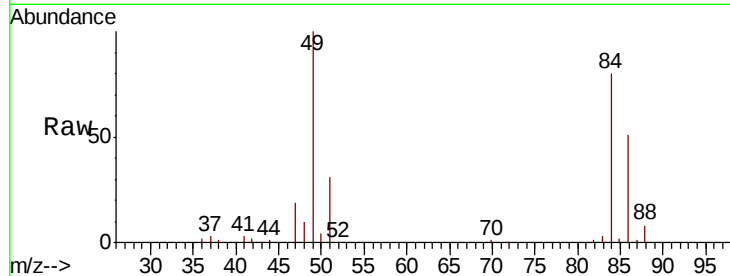




#16
Methylene chloride
Concen: 41.04 ug/L
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU026707.D
Acq: 12 Sep 2018 17:19

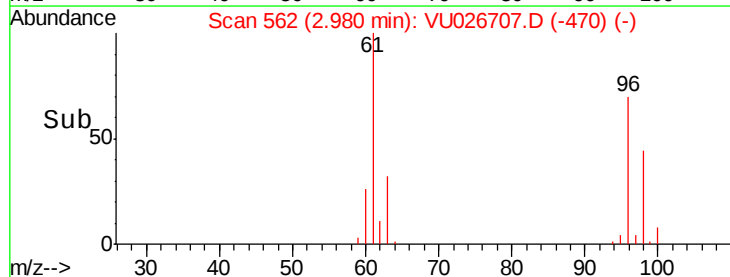
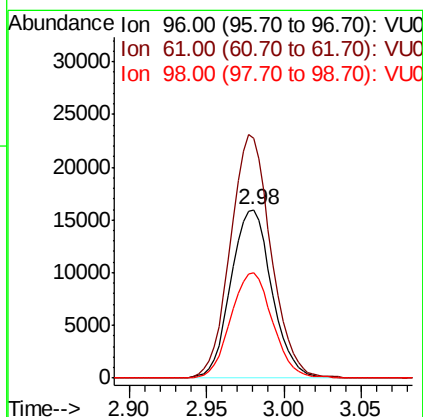
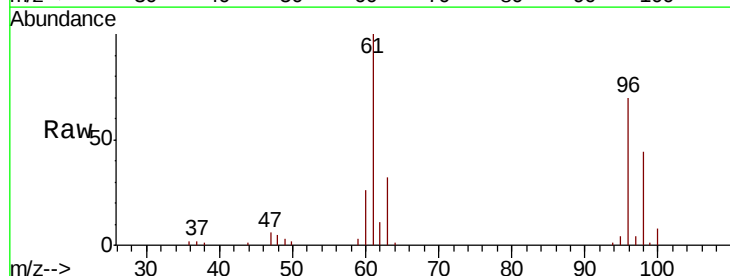
Instrument :
MSVOA_U
ClientSampleId :
DB3M7

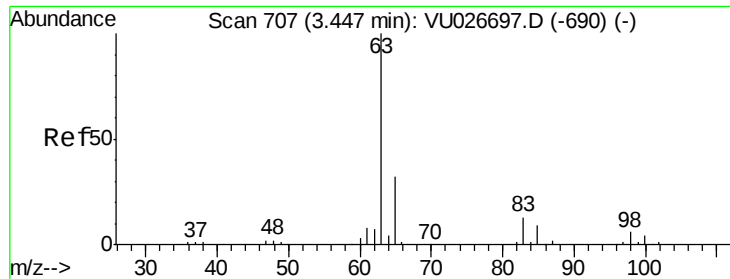
Tot Ion: 84 Resp: 67061
Ion Ratio Lower Upper
84 100
86 63.5 44.1 81.9
49 124.4 87.2 161.9



#17
trans-1,2-Dichloroethene
Concen: 20.00 ug/L
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU026707.D
Acq: 12 Sep 2018 17:19

Tgt Ion: 96 Resp: 29350
Ion Ratio Lower Upper
96 100
61 142.8 99.7 185.1
98 62.5 45.1 83.7





#19

1,1-Dichloroethane

Concen: 62.86 ug/L

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampled :

DB3M7

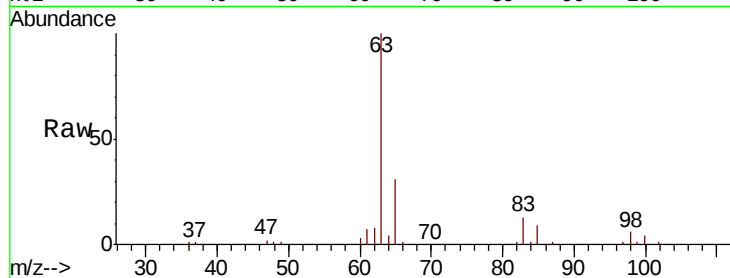
Tot Ion: 63 Resp: 178880

Ion Ratio Lower Upper

63 100

65 31.1 21.9 40.7

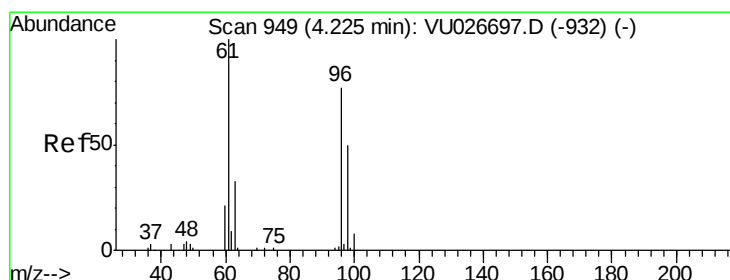
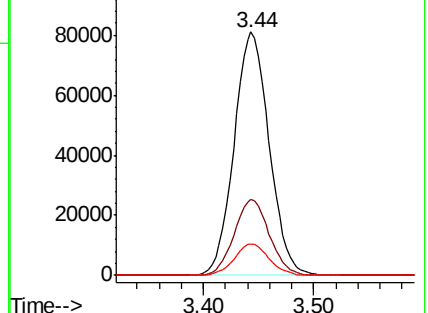
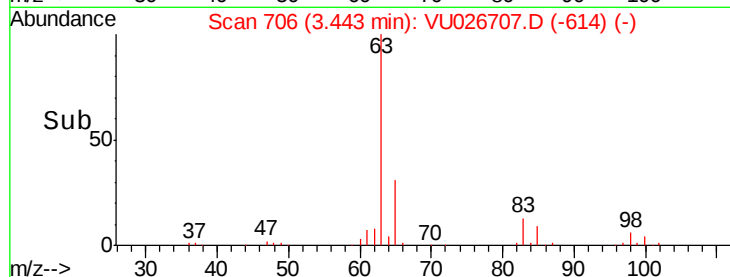
83 12.8 9.2 17.2



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: 39.58 ug/L

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

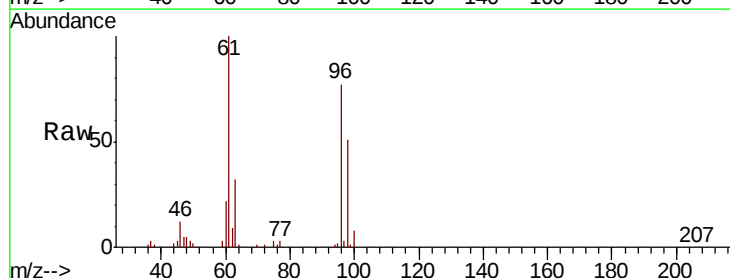
Tgt Ion: 96 Resp: 65408

Ion Ratio Lower Upper

96 100

61 129.1 92.9 172.5

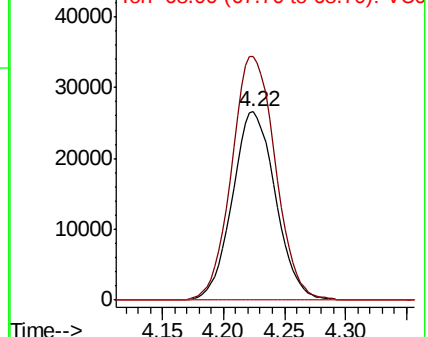
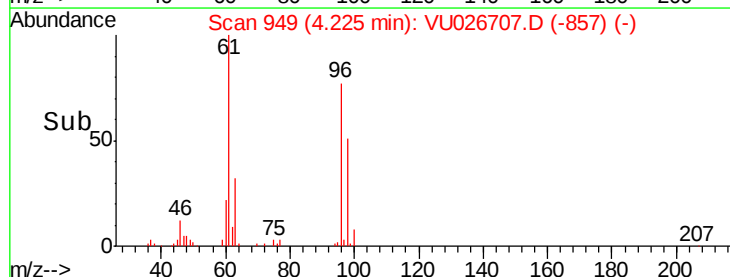
68 0.0 0.0 0.0

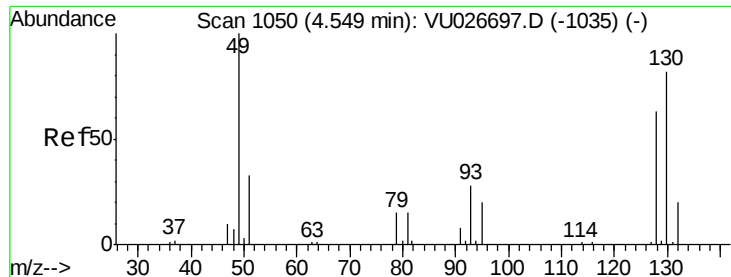


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0

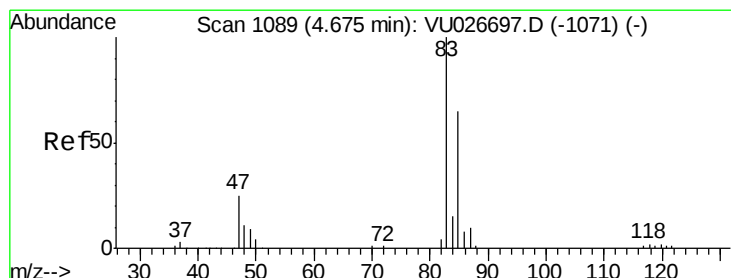
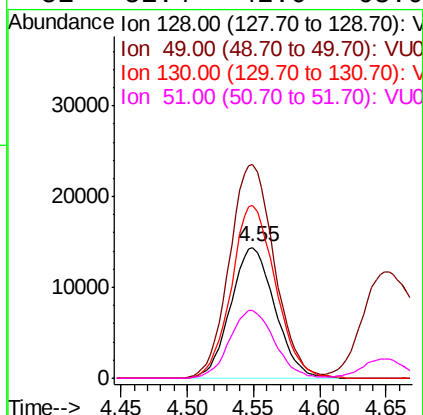
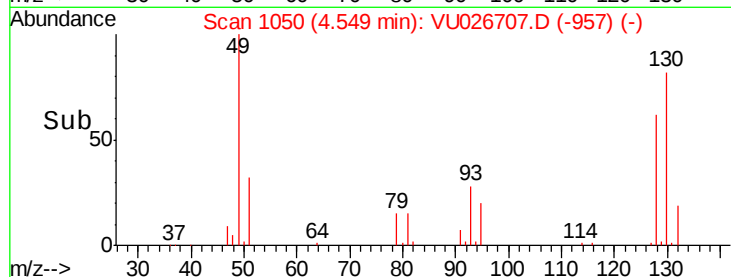
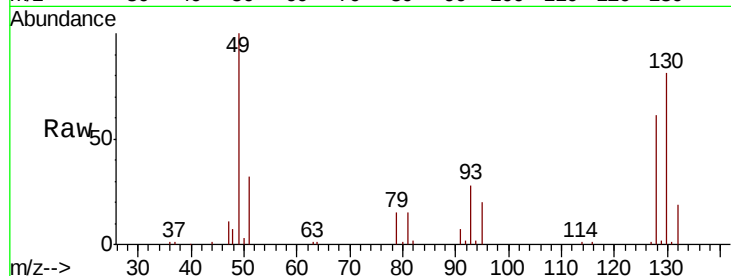




#23
 Bromochloromethane
 Concen: 39.62 ug/L
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU026707.D
 Acq: 12 Sep 2018 17:19

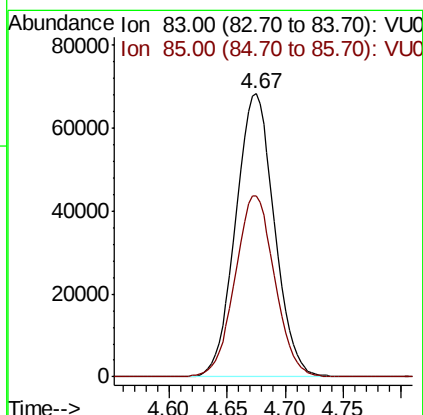
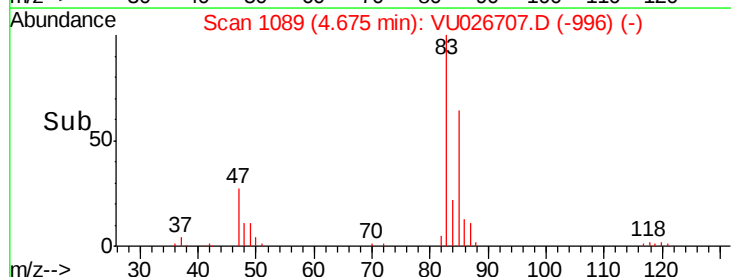
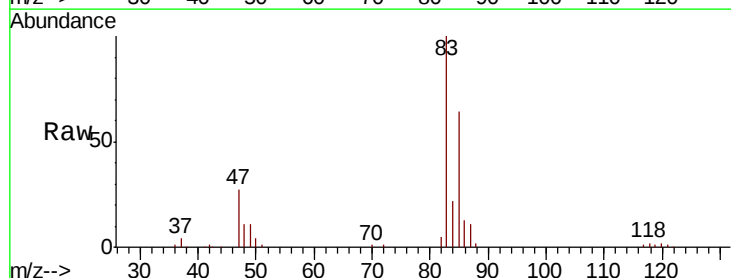
Instrument :
 MSVOA_U
 ClientSampleId :
 DB3M7

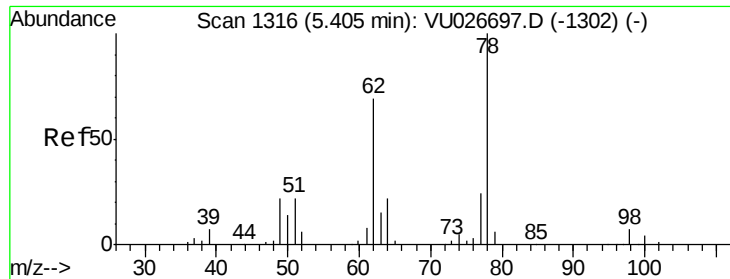
Tot Ion:	128	Resp:	33489
Ion	Ratio	Lower	Upper
128	100		
49	162.9	111.7	207.5
130	131.5	89.0	165.2
51	51.4	42.0	63.0



#25
 Chloroform
 Concen: 55.62 ug/L
 RT: 4.67 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VU026707.D
 Acq: 12 Sep 2018 17:19

Tgt Ion:	83	Resp:	159071
Ion	Ratio	Lower	Upper
83	100		
85	63.9	45.6	84.6

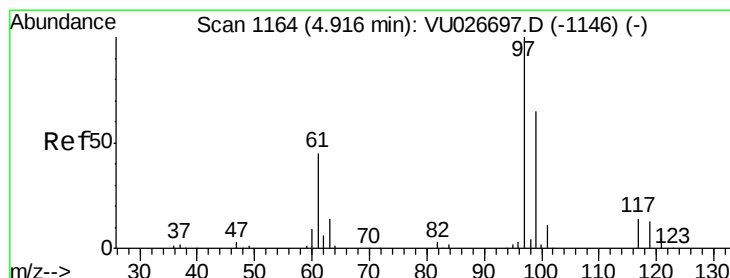
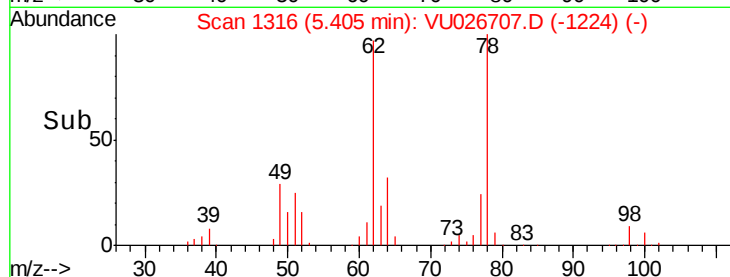
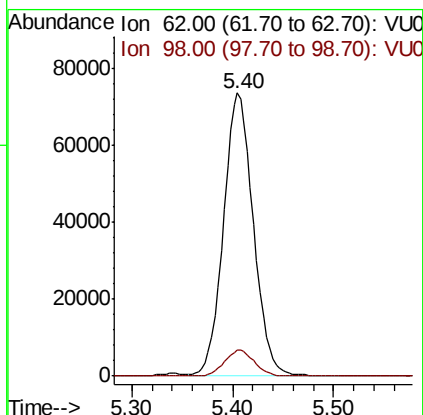
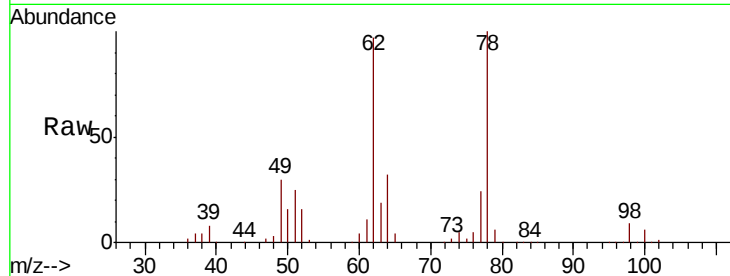




#27
 1,2-Dichloroethane
 Concen: 66.68 ug/L
 RT: 5.40 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VU026707.D
 Acq: 12 Sep 2018 17:19

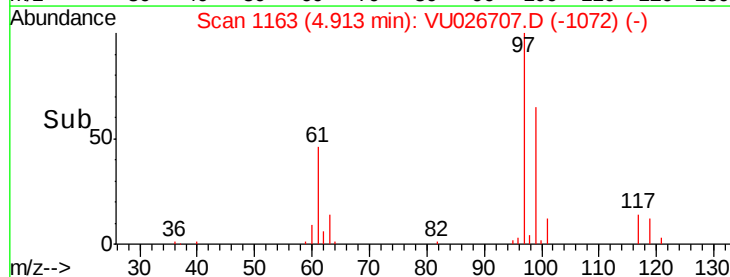
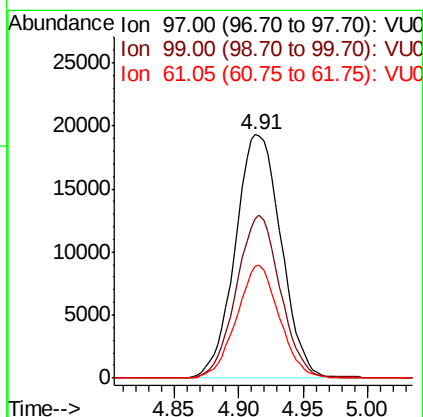
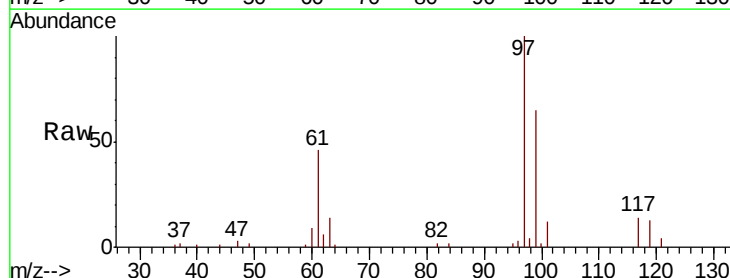
Instrument :
 MSVOA_U
 ClientSampleId :
 DB3M7

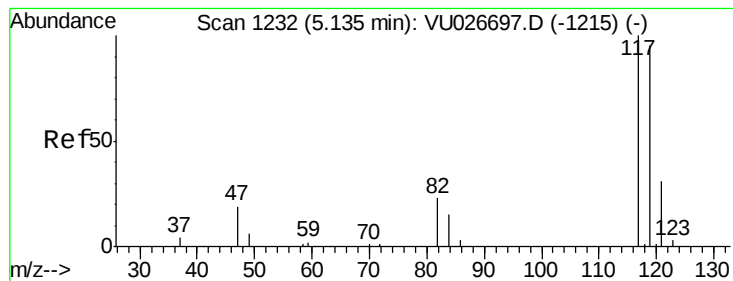
Tot Ion: 62 Resp: 151436
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.4 11.0



#30
 1,1,1-Trichloroethane
 Concen: 20.65 ug/L
 RT: 4.91 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: VU026707.D
 Acq: 12 Sep 2018 17:19

Tgt Ion: 97 Resp: 47816
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.5 77.3
 61 43.1 36.2 54.2





#31

Carbon tetrachloride

Concen: 59.98 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

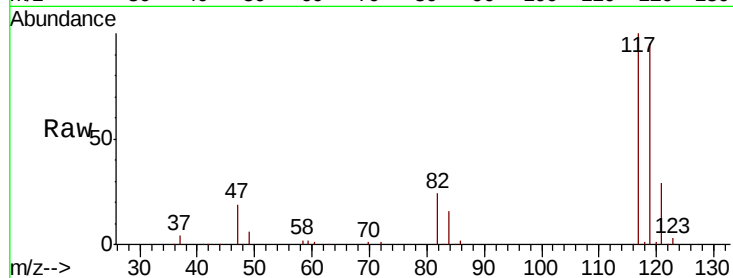
DB3M7

Tot Ion:117 Resp: 125540

Ion Ratio Lower Upper

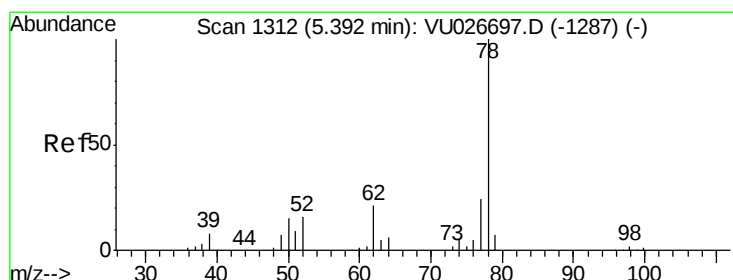
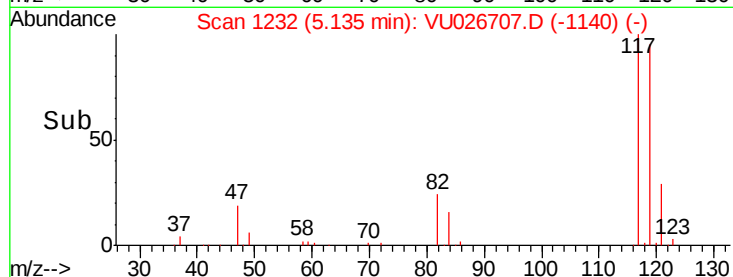
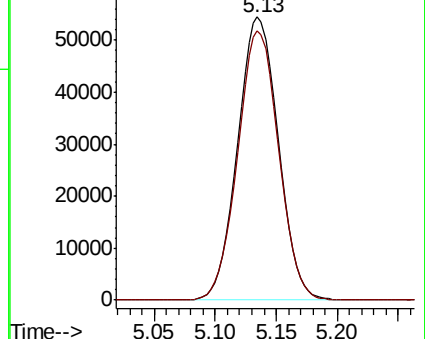
117 100

119 95.7 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.34 ug/L

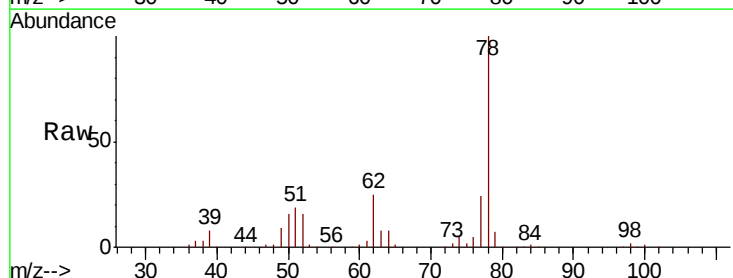
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

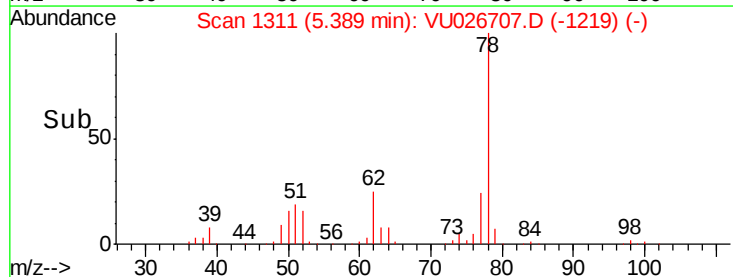
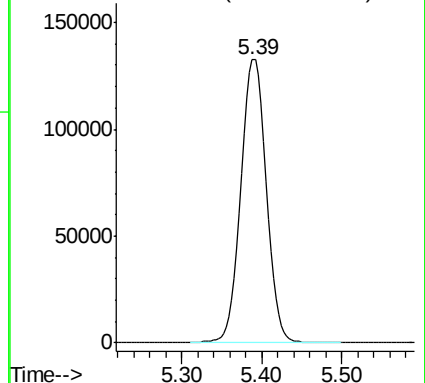
Lab File: VU026707.D

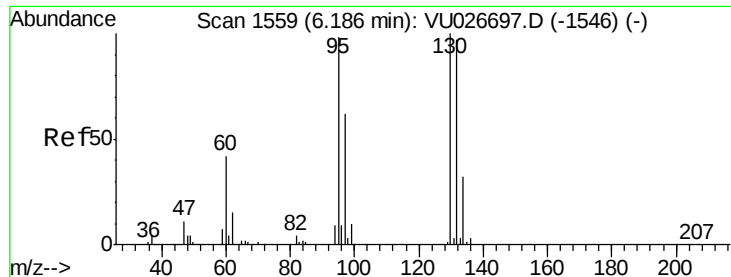
Acq: 12 Sep 2018 17:19

Tgt Ion: 78 Resp: 283648



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 80.42 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

DB3M7

Tot Ion: 95 Resp: 122342

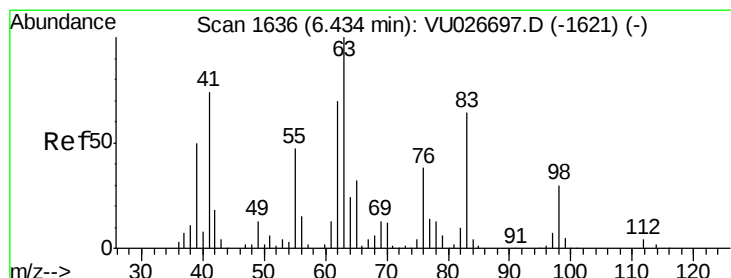
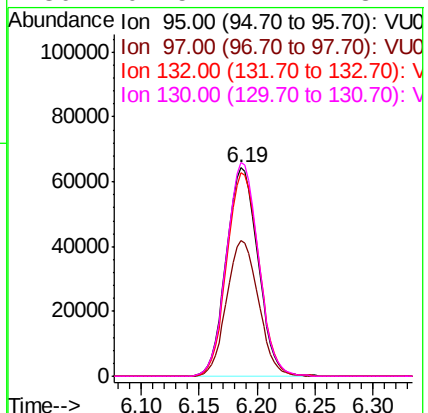
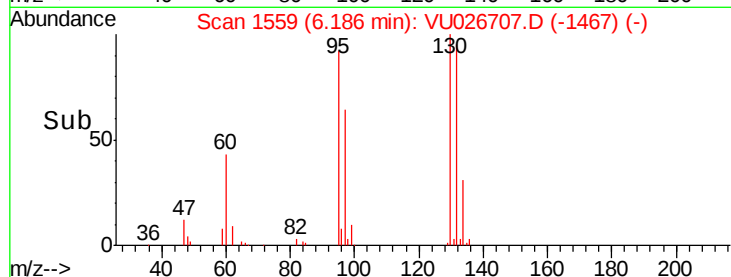
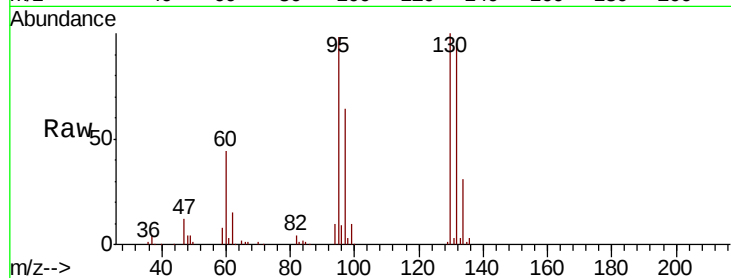
Ion Ratio Lower Upper

95 100

97 65.1 44.9 83.5

132 97.5 69.7 129.5

130 102.5 72.4 134.4



#37

1,2-Dichloropropane

Concen: 39.29 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU026707.D

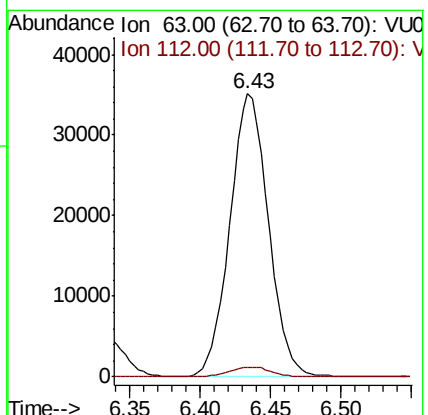
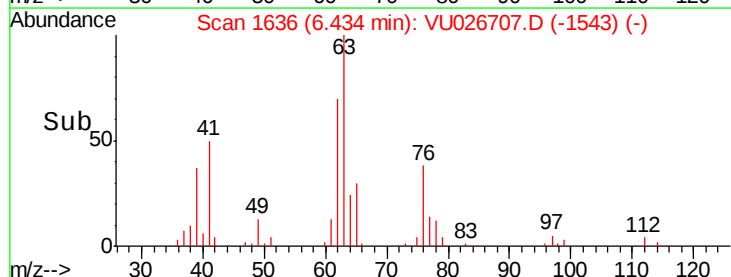
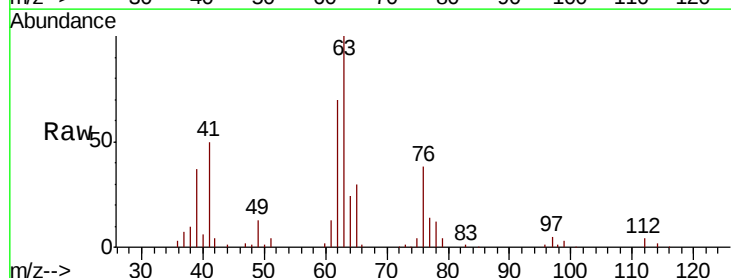
Acq: 12 Sep 2018 17:19

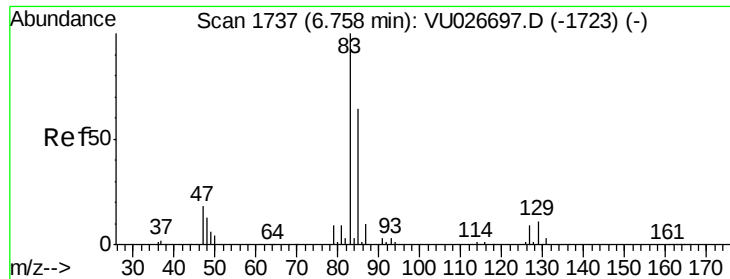
Tgt Ion: 63 Resp: 67189

Ion Ratio Lower Upper

63 100

112 3.7 2.9 4.3





#38

Bromodichloromethane

Concen: 19.92 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

DB3M7

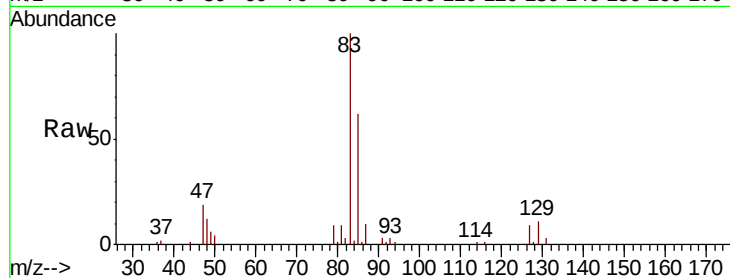
Tot Ion: 83 Resp: 41744

Ion Ratio Lower Upper

83 100

85 61.6 45.1 83.9

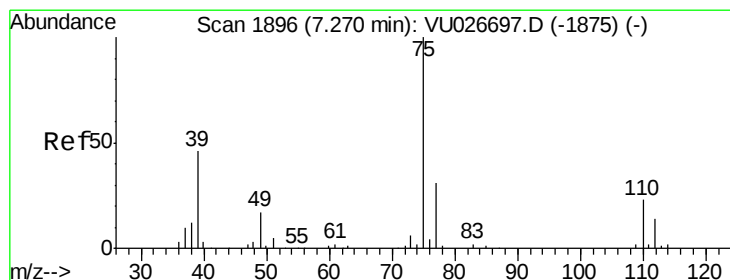
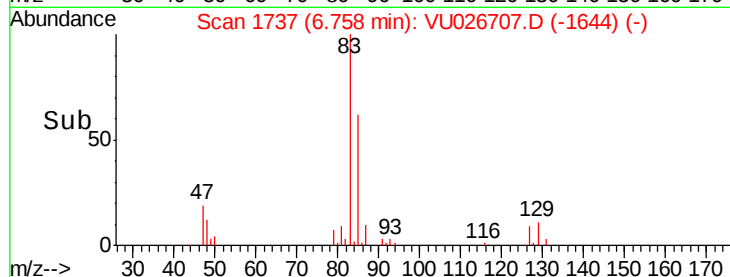
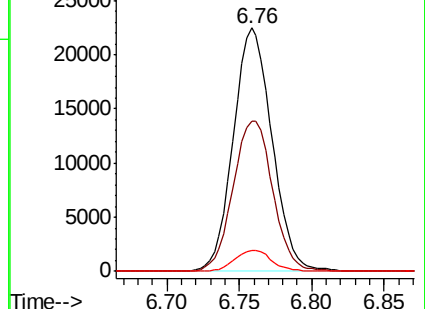
127 8.6 7.2 10.8



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: 24.02 ug/L

RT: 7.27 min Scan# 1896

Delta R.T. -0.00 min

Lab File: VU026707.D

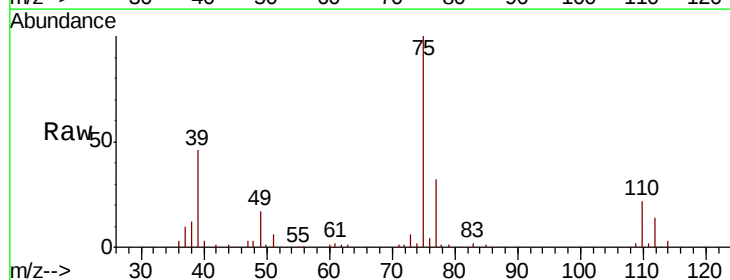
Acq: 12 Sep 2018 17:19

Tgt Ion: 75 Resp: 60785

Ion Ratio Lower Upper

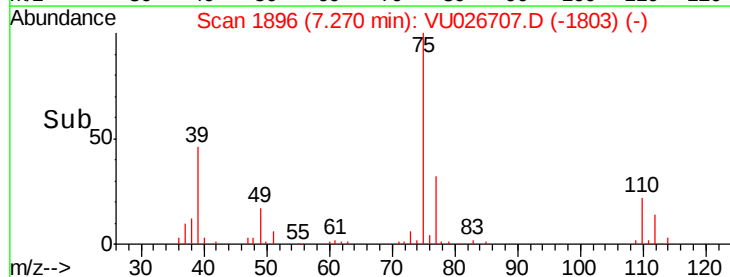
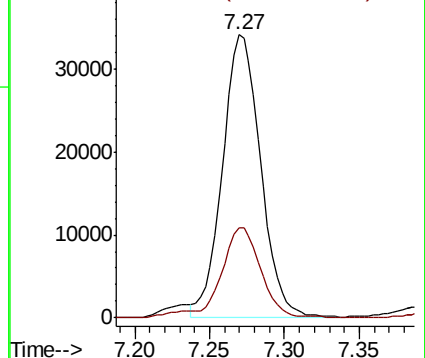
75 100

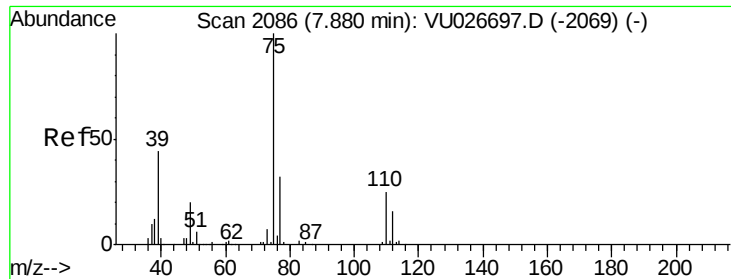
77 31.9 22.3 41.3



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: 47.19 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

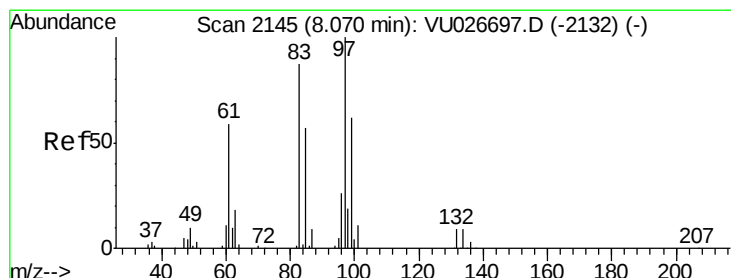
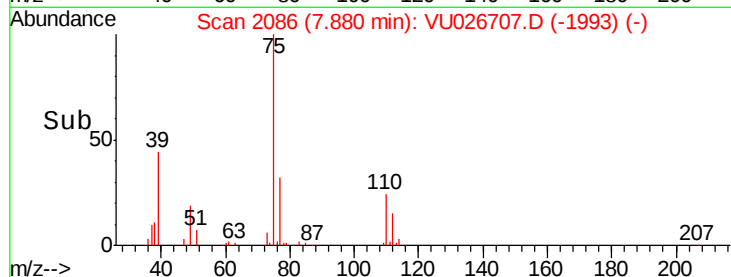
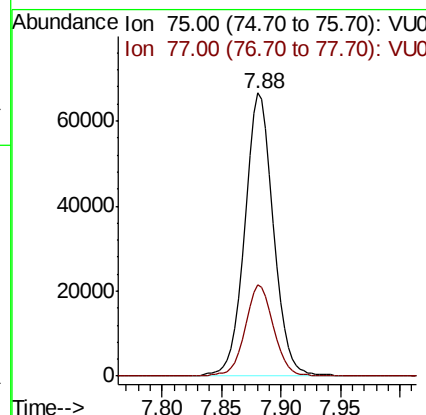
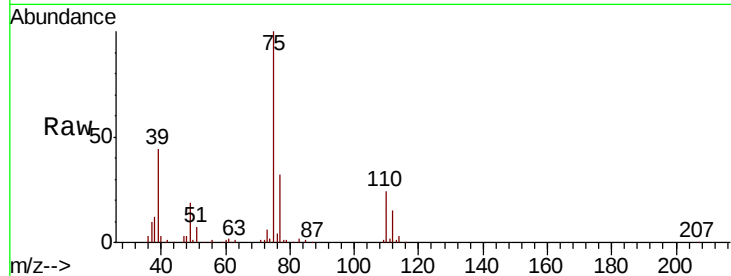
DB3M7

Tot Ion: 75 Resp: 111084

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6



#45

1,1,2-Trichloroethane

Concen: 25.64 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

Tgt Ion: 97 Resp: 38890

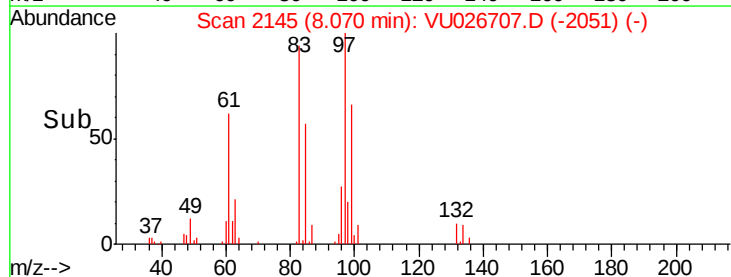
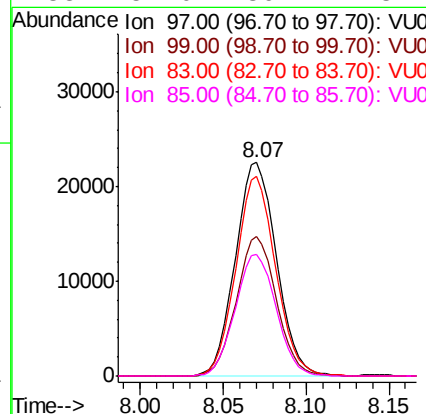
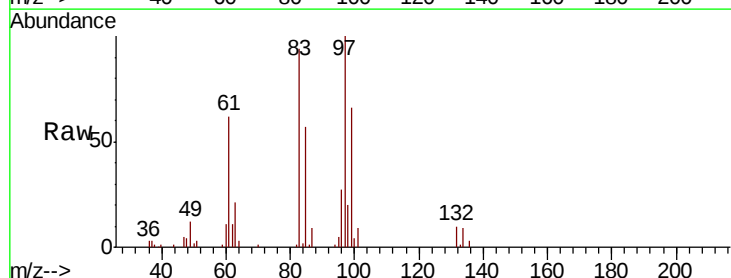
Ion Ratio Lower Upper

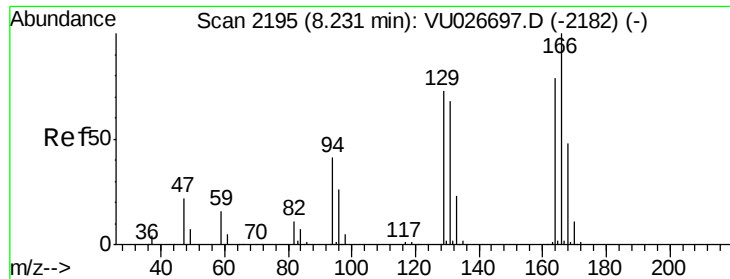
97 100

99 65.6 44.2 82.2

83 93.5 63.8 118.6

85 57.0 39.4 73.2





#46

Tetrachloroethene

Concen: 68.24 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampleId :

DB3M7

Tot Ion:164 Resp: 87243

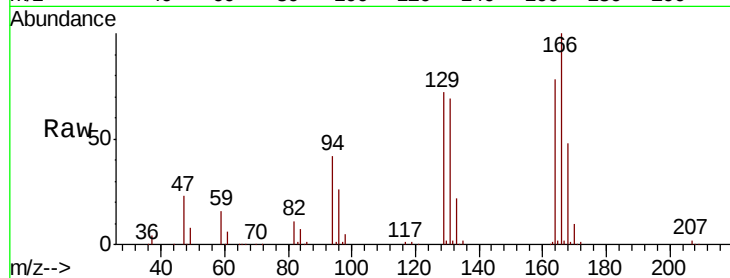
Ion Ratio Lower Upper

164 100

129 91.3 65.0 120.8

131 87.6 62.5 116.1

166 127.6 89.0 165.2

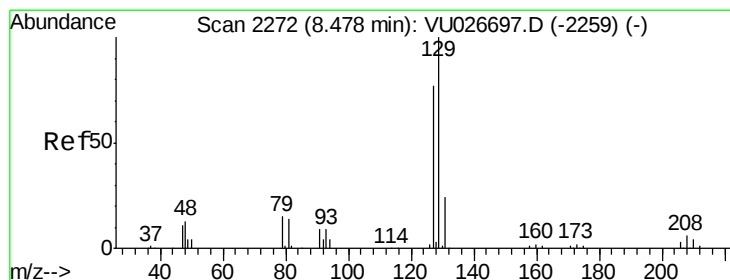
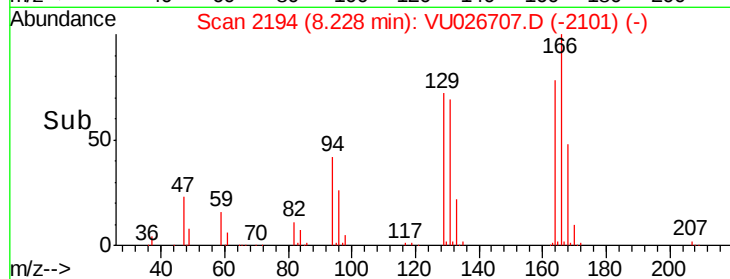
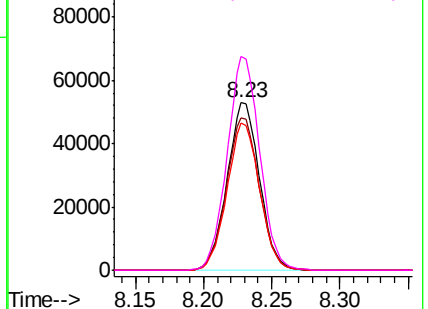


Abundance Ion 164.00 (163.70 to 164.70): V

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: 38.42 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU026707.D

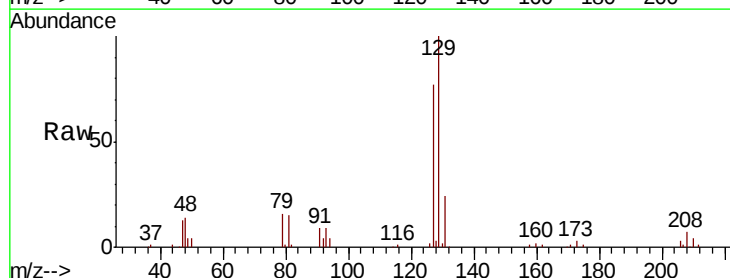
Acq: 12 Sep 2018 17:19

Tgt Ion:129 Resp: 67355

Ion Ratio Lower Upper

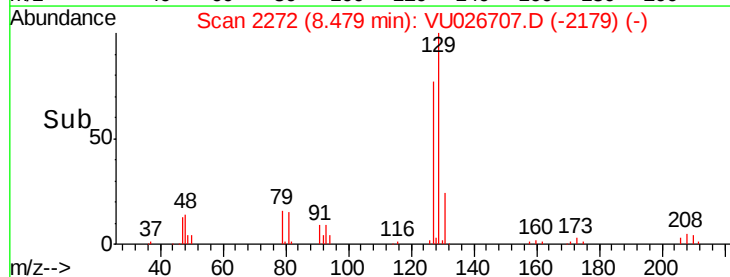
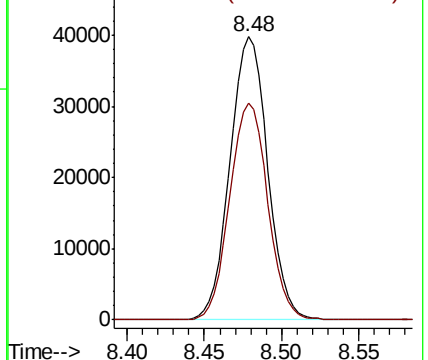
129 100

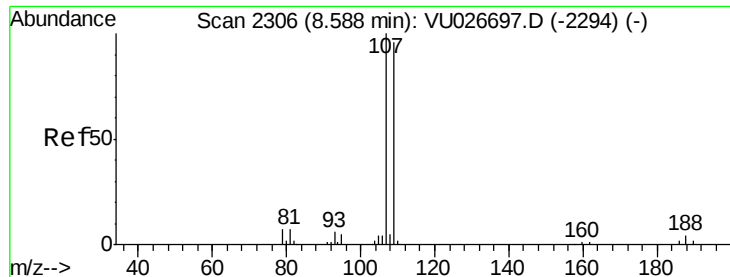
127 76.5 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

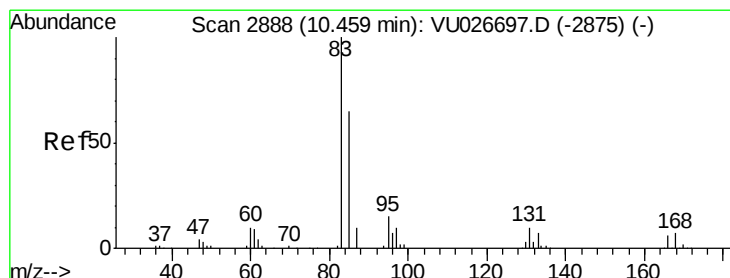
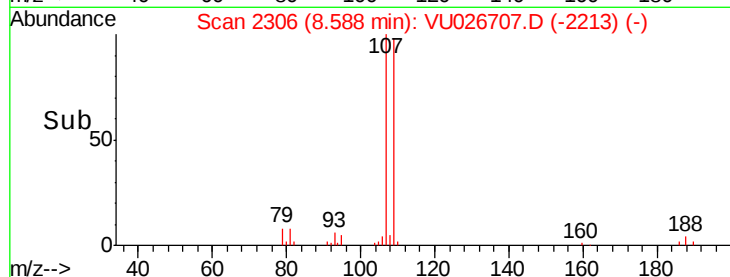
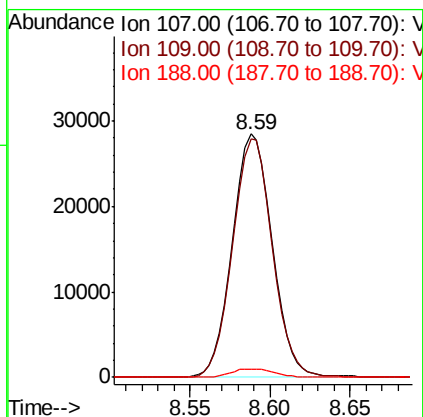
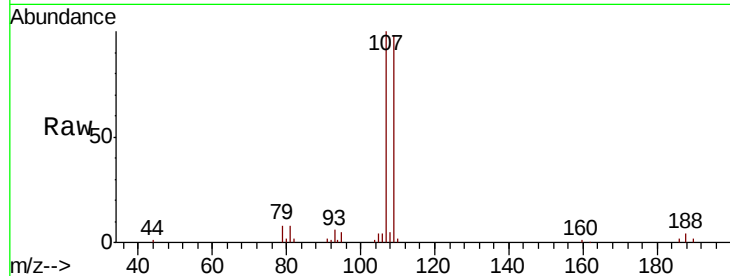




#50
 1,2-Dibromoethane
 Concen: 29.81 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU026707.D
 Acq: 12 Sep 2018 17:19

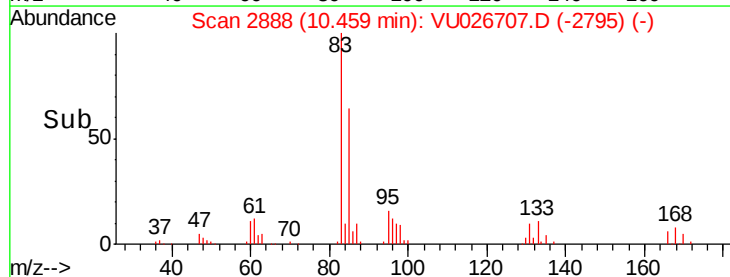
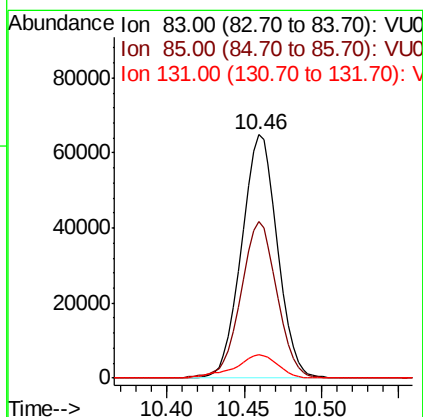
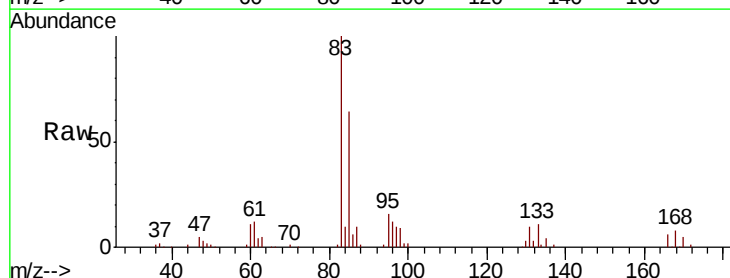
Instrument :
 MSVOA_U
 ClientSampleId :
 DB3M7

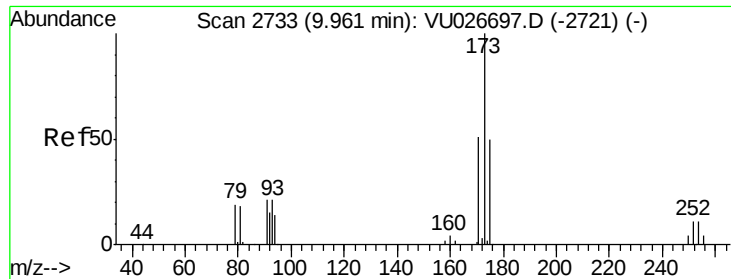
Tot Ion:107 Resp: 48363
 Ion Ratio Lower Upper
 107 100
 109 98.2 66.4 123.4
 188 3.6 3.0 4.4



#58
 1,1,2,2-Tetrachloroethane
 Concen: 39.78 ug/L
 RT: 10.46 min Scan# 2888
 Delta R.T. -0.00 min
 Lab File: VU026707.D
 Acq: 12 Sep 2018 17:19

Tgt Ion: 83 Resp: 104531
 Ion Ratio Lower Upper
 83 100
 85 64.3 45.4 84.2
 131 9.6 8.0 12.0





#61

Bromoform

Concen: 50.72 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

Instrument :

MSVOA_U

ClientSampled :

DB3M7

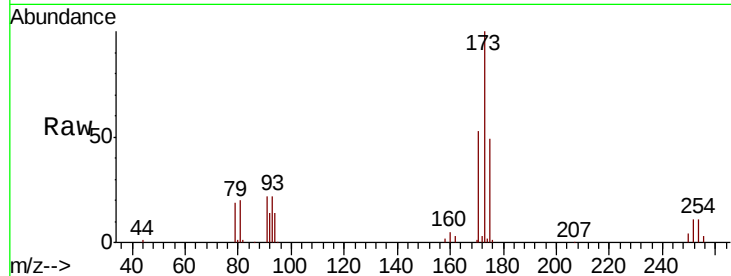
Tot Ion:173 Resp: 67649

Ion Ratio Lower Upper

173 100

175 48.1 38.2 57.4

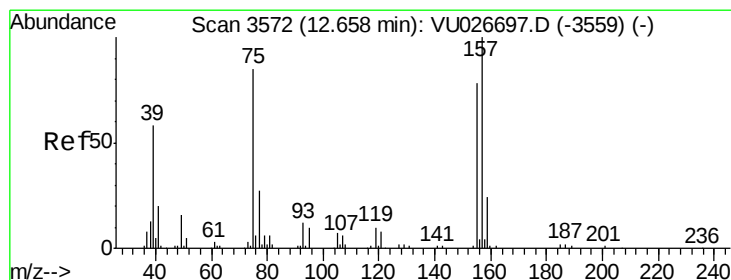
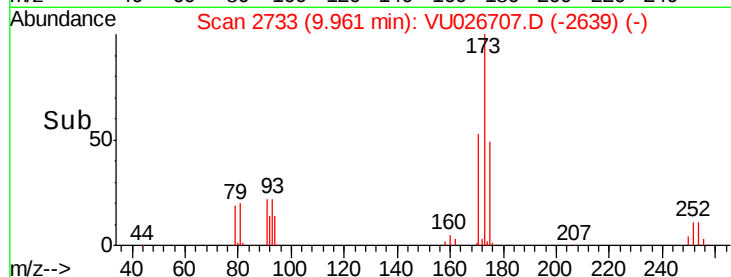
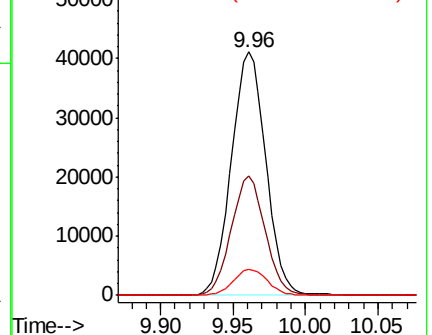
254 10.6 8.2 12.4



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 44.19 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026707.D

Acq: 12 Sep 2018 17:19

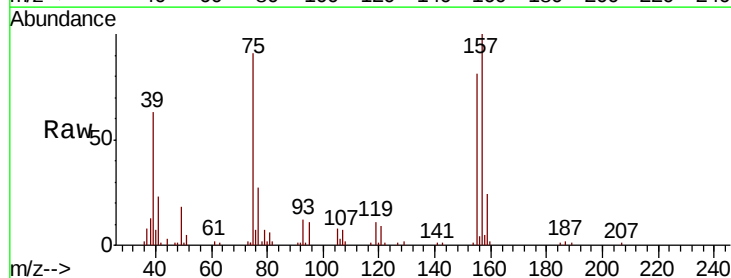
Tgt Ion: 75 Resp: 23457

Ion Ratio Lower Upper

75 100

155 89.6 69.3 103.9

157 110.1 93.4 140.0



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

