

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
 Data File : VU027679.D
 Acq On : 17 Oct 2018 15:38
 Operator : MD/SY
 Sample : J5463-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB3

Quant Time: Oct 19 06:49:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 06:41:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	83980	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	78372	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	40173	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	27484	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.68	69	22266	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.28	63	42076	3.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.00%
20) 2-Butanone-d5	4.20	46	85497	45.05	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.10%
24) Chloroform-d	4.65	84	46952	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.31	65	26456	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
32) Benzene-d6	5.34	84	100502	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.33	67	35594	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.57	98	96443	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	7.85	79	14181	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.32	63	75647	46.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.96%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	25888	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	35849	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	2136	0.312 ug/L	97
5) Vinyl chloride	1.41	62	4145	0.506 ug/L #	38
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1329	0.233 ug/L #	85
12) 1,1-Dichloroethene	2.29	96	5415	0.953 ug/L #	1
13) Acetone	2.33	43	2379	1.960 ug/L	96
17) Methyl tert-butyl Ether	3.01	73	2416	0.154 ug/L #	87
18) trans-1,2-Dichloroethene	2.98	96	1177	0.195 ug/L	86
19) 1,1-Dichloroethane	3.45	63	3516	0.292 ug/L #	86
22) cis-1,2-Dichloroethene	4.23	96	70082	10.480 ug/L #	99
25) Chloroform	4.68	83	2510	0.216 ug/L	95
27) 1,2-Dichloroethane	5.40	62	510	0.069 ug/L #	1
29) 1,1,1-Trichloroethane	4.91	97	2950	0.307 ug/L #	79
31) Carbon tetrachloride	5.13	117	443	0.051 ug/L	81
34) Trichloroethene	6.18	95	150204	22.625 ug/L	98
35) Methylcyclohexane	6.34	83	7992	0.699 ug/L #	17
37) 1,2-Dichloropropane	6.33	63	3570	0.485 ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	888	0.083 ug/L #	47

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QLast Update : Fri Oct 19 06:41:15 2018
Response via : Initial Calibration

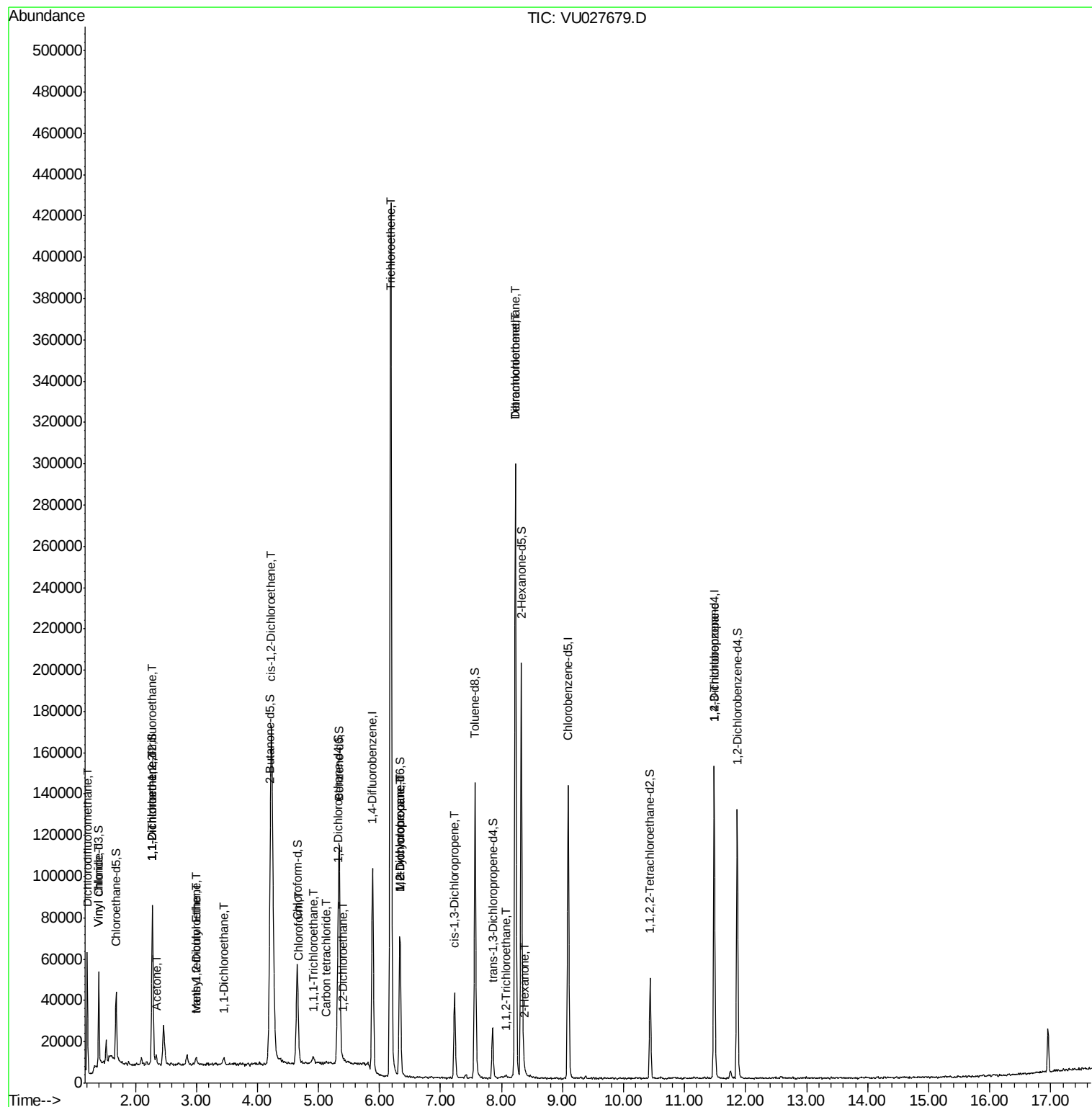
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.08	97	509	0.107	ug/L	83
47) Tetrachloroethene	8.23	164	71889	13.563	ug/L	96
48) 2-Hexanone	8.38	43	1320	0.371	ug/L #	84
49) Dibromochloromethane	8.23	129	65768	11.176	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	4881	1.153	ug/L	91

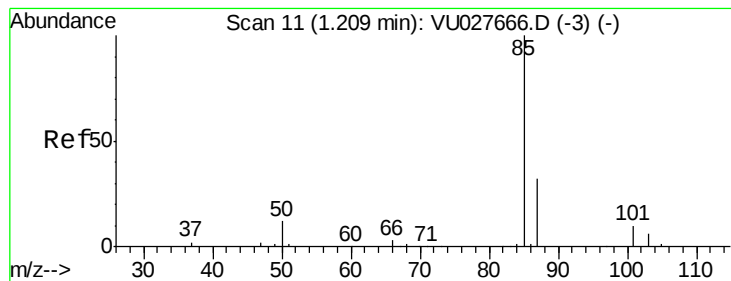
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.312 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027679.D

Acq: 17 Oct 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

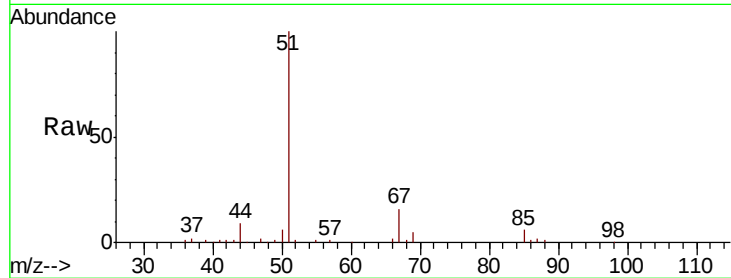
C0JB3

Tgt Ion: 85 Resp: 2136

Ion Ratio Lower Upper

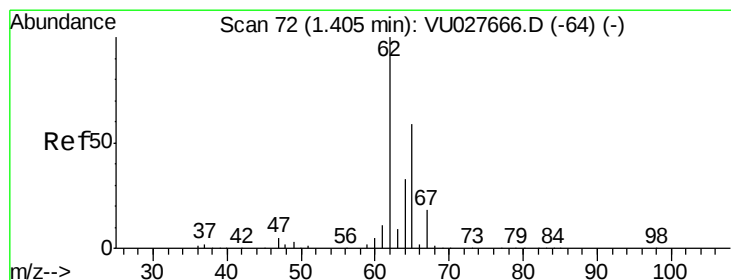
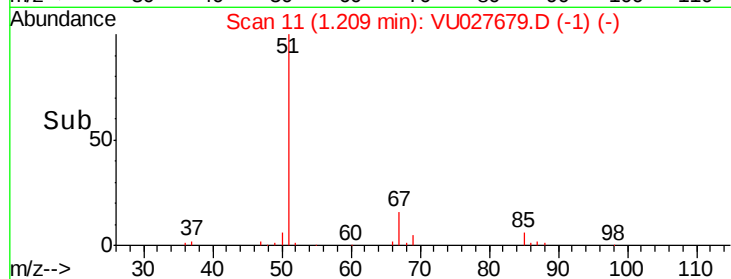
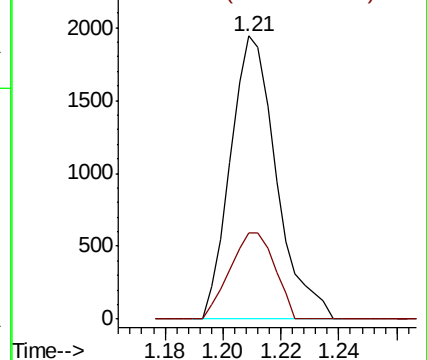
85 100

87 29.9 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#5

Vinyl chloride

Concen: 0.506 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027679.D

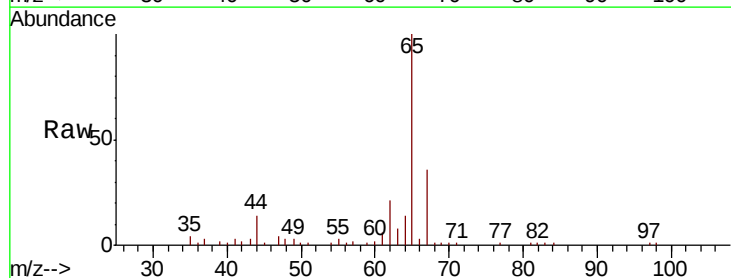
Acq: 17 Oct 2018 15:38

Tgt Ion: 62 Resp: 4145

Ion Ratio Lower Upper

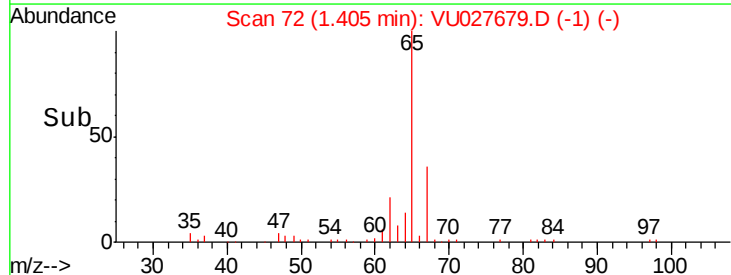
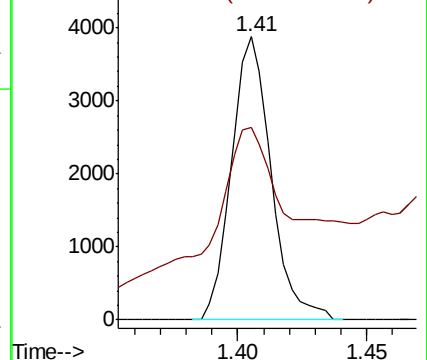
62 100

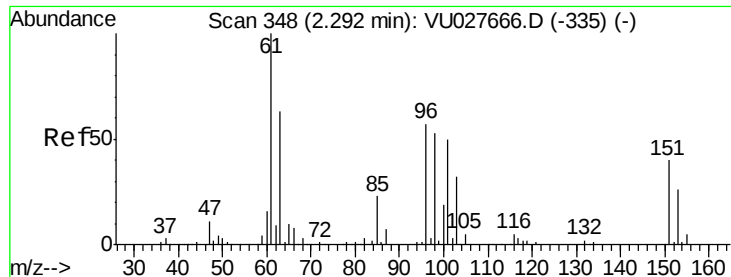
64 67.8 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#10

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

Concen: 0.233 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027679.D

Acq: 17 Oct 2018 15:38

Instrument :

MSVOA_U

ClientSampled :

C0JB3

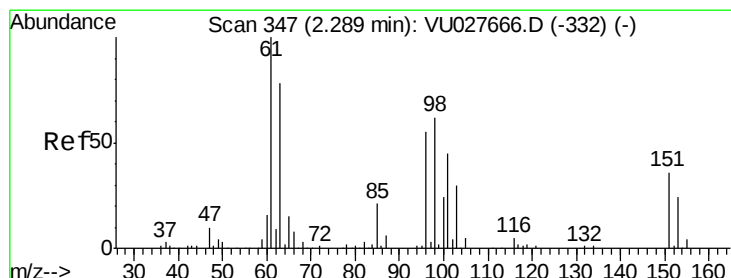
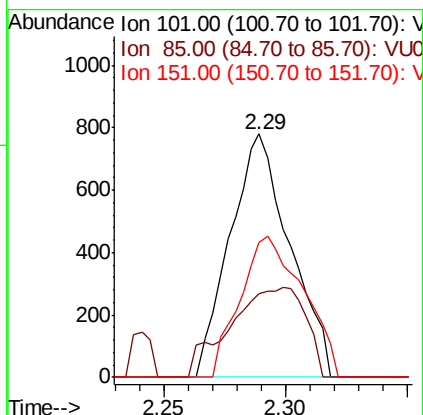
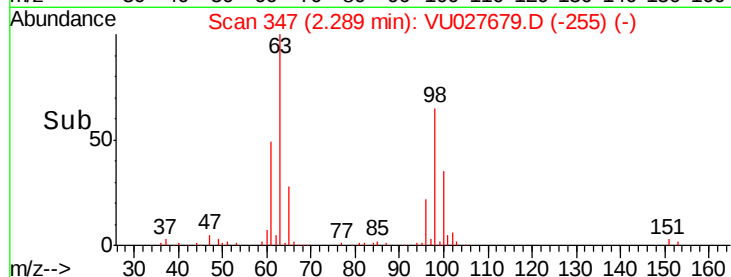
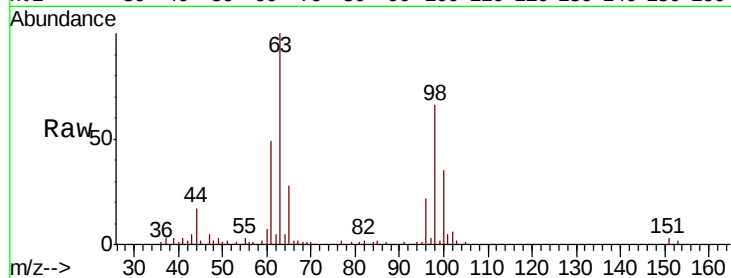
Tgt Ion: 101 Resp: 1329

Ion Ratio Lower Upper

101 100

85 46.6 35.6 53.4

151 61.2 63.8 95.6#



#12

1,1-Dichloroethene

Concen: 0.953 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027679.D

Acq: 17 Oct 2018 15:38

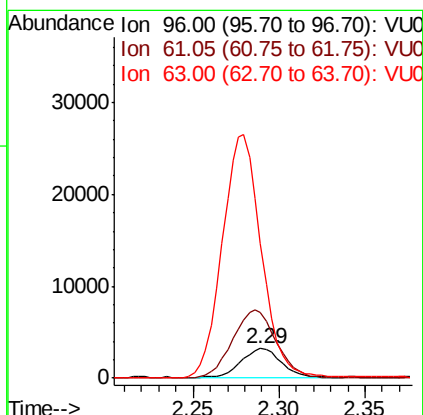
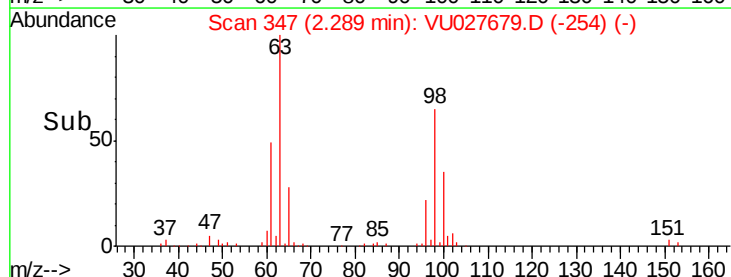
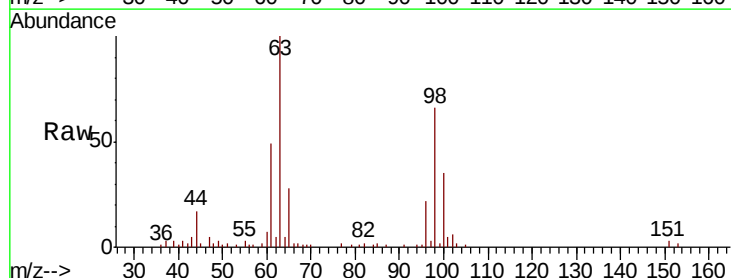
Tgt Ion: 96 Resp: 5415

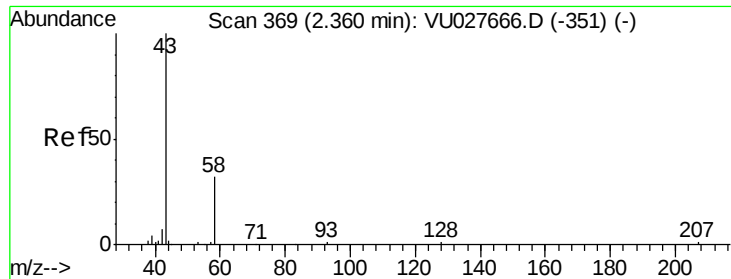
Ion Ratio Lower Upper

96 100

61 220.1 125.6 233.2

63 451.9 97.6 181.2#





#13

Acetone

Concen: 1.960 ug/L

RT: 2.33 min Scan# 360

Delta R.T. -0.03 min

Lab File: VU027679.D

Acq: 17 Oct 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

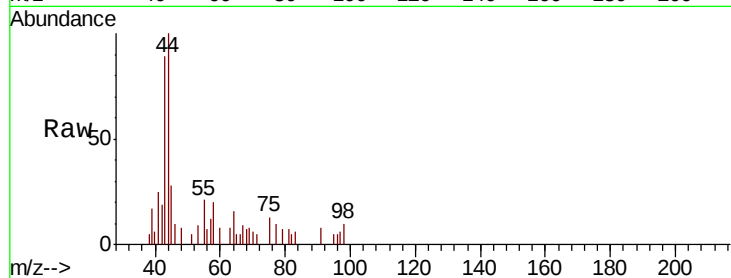
C0JB3

Tgt Ion: 43 Resp: 2379

Ion Ratio Lower Upper

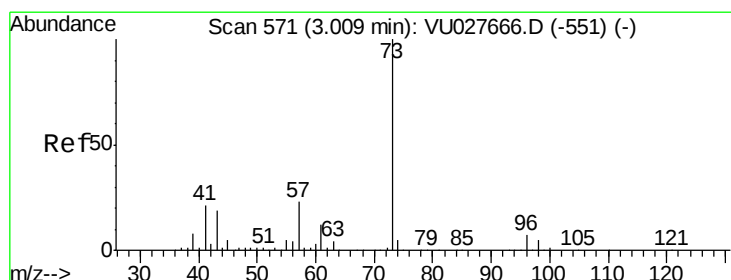
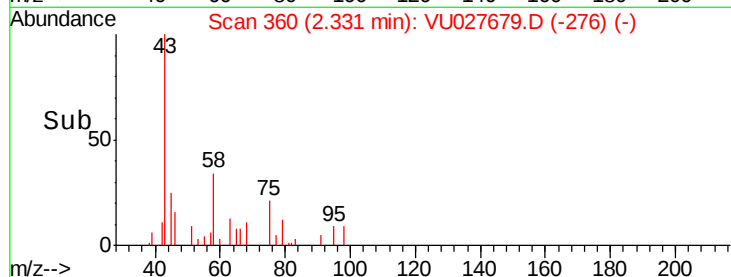
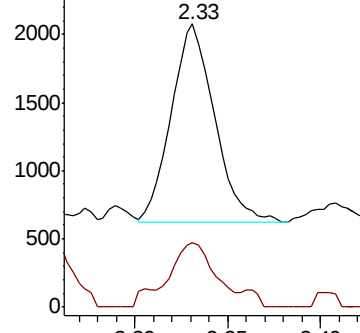
43 100

58 35.5 0.0 66.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#17

Methyl tert-butyl Ether

Concen: 0.154 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU027679.D

Acq: 17 Oct 2018 15:38

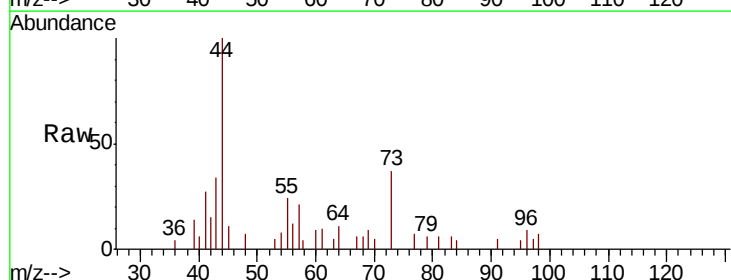
Tgt Ion: 73 Resp: 2416

Ion Ratio Lower Upper

73 100

43 8.9 15.8 23.8#

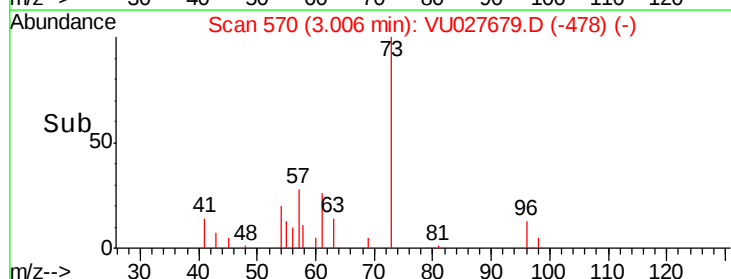
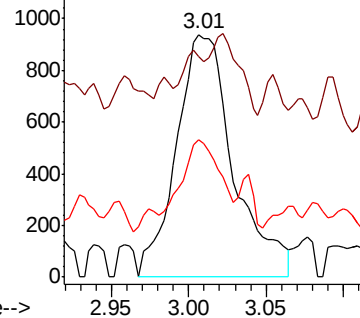
57 21.5 18.7 28.1

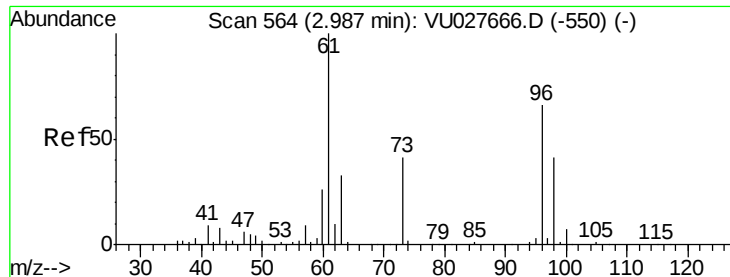


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.195 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027679.D

Acq: 17 Oct 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

C0JB3

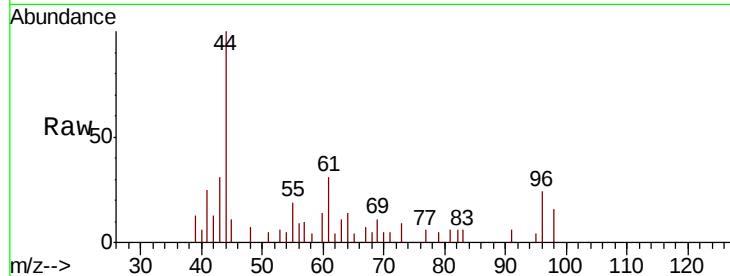
Tgt Ion: 96 Resp: 1177

Ion Ratio Lower Upper

96 100

61 129.8 105.8 196.4

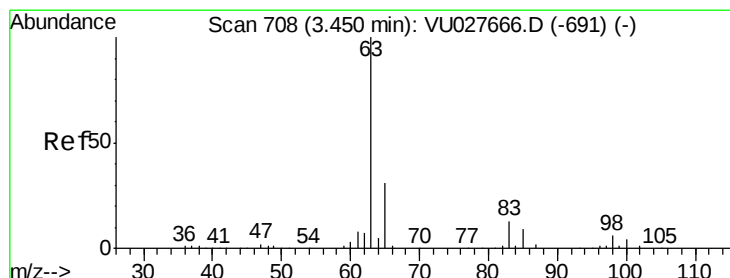
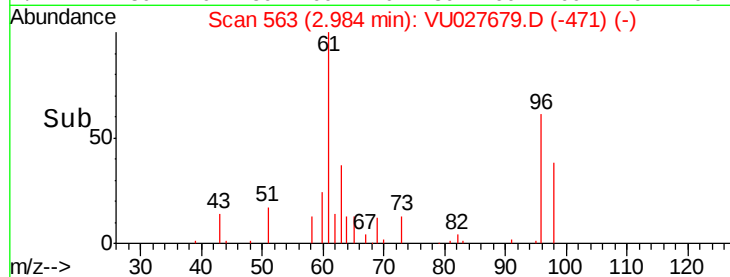
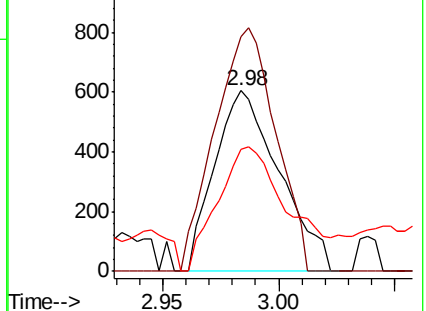
98 67.4 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#19

1,1-Dichloroethane

Concen: 0.292 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027679.D

Acq: 17 Oct 2018 15:38

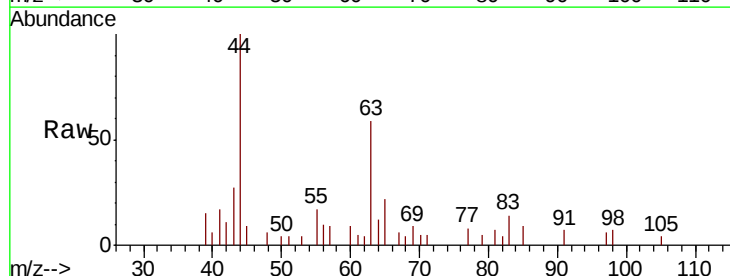
Tgt Ion: 63 Resp: 3516

Ion Ratio Lower Upper

63 100

65 37.1 22.3 41.3

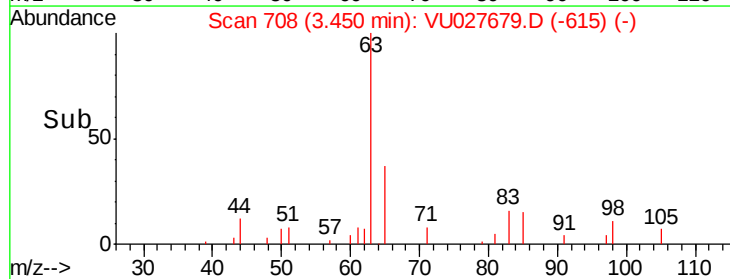
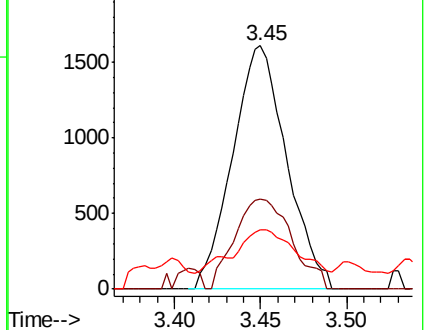
83 24.2 9.7 17.9#

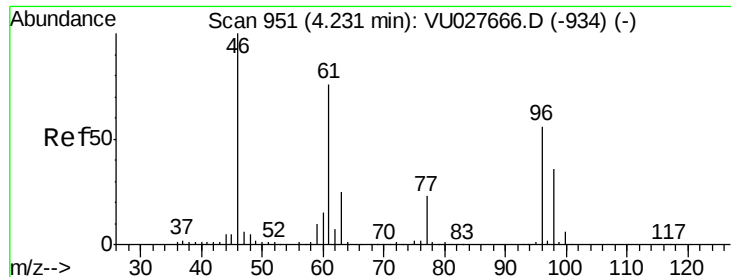


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



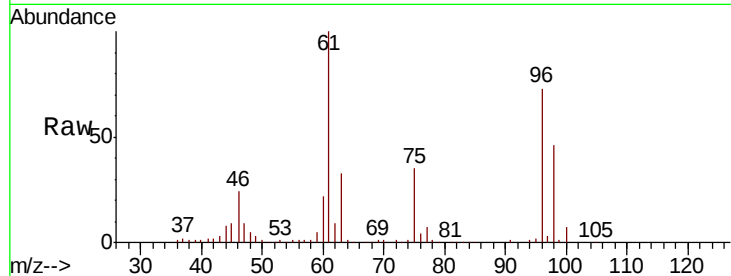


#22

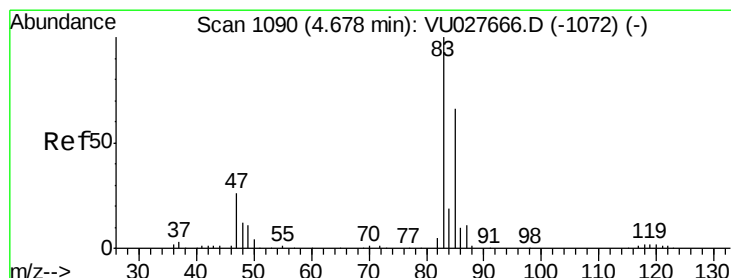
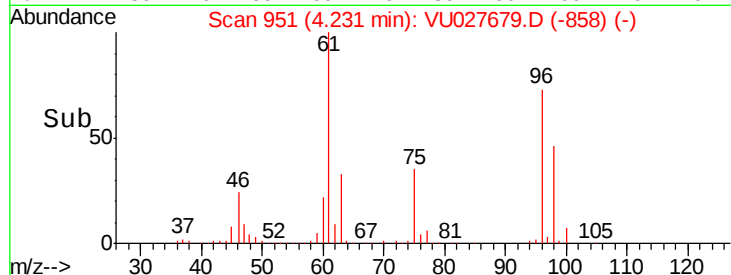
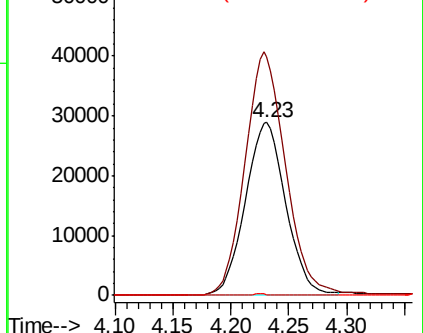
cis-1,2-Dichloroethene
 Concen: 10.480 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027679.D
 Acq: 17 Oct 2018 15:38

Instrument :
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 ClientSampleId :
 C0JB3

Tgt Ion: 96 Resp: 70082
 Ion Ratio Lower Upper
 96 100
 61 137.8 95.3 176.9
 68 0.5 1.1 2.1#



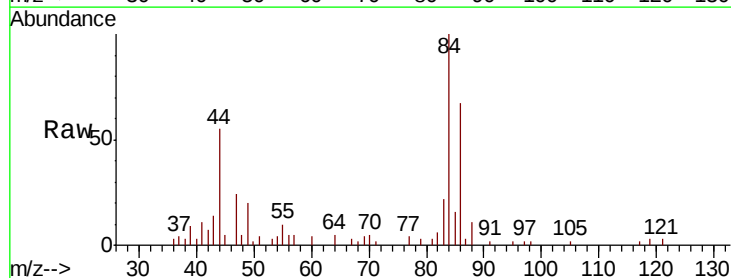
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



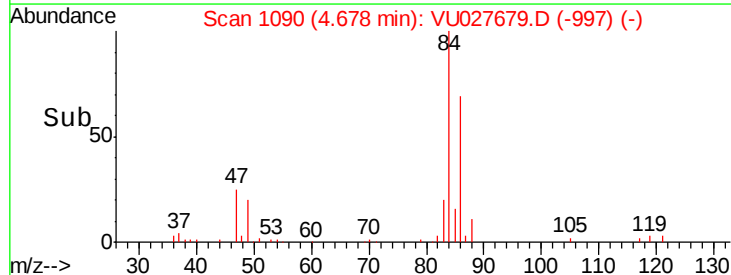
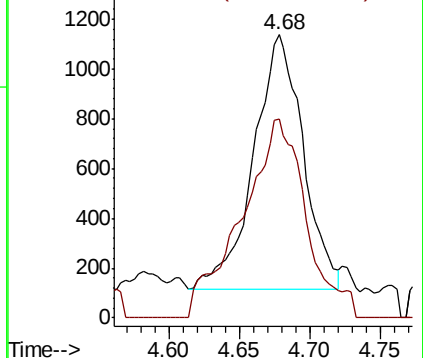
#25

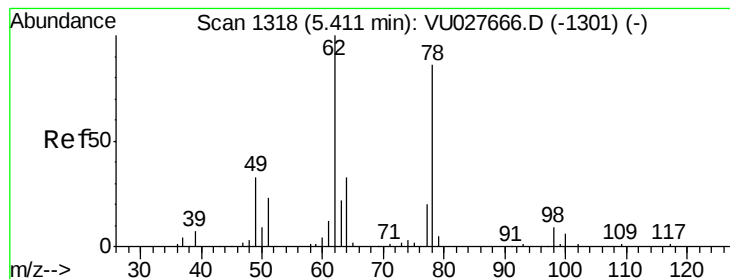
Chloroform
 Concen: 0.216 ug/L
 RT: 4.68 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VU027679.D
 Acq: 17 Oct 2018 15:38

Tgt Ion: 83 Resp: 2510
 Ion Ratio Lower Upper
 83 100
 85 70.1 46.1 85.7



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.069 ug/L

RT: 5.40 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VU027679.D

Acq: 17 Oct 2018 15:38

Instrument :

MSVOA_U

ClientSampleId :

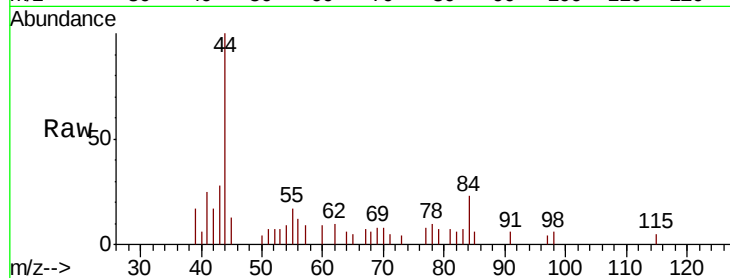
C0JB3

Tgt Ion: 62 Resp: 510

Ion Ratio Lower Upper

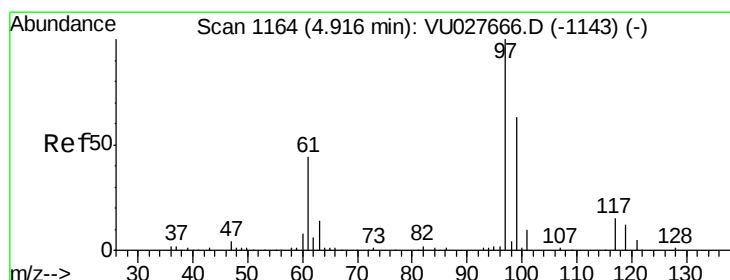
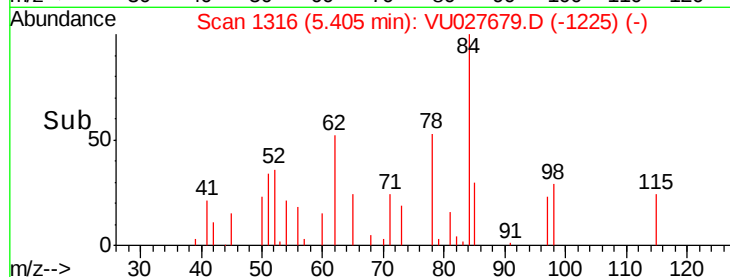
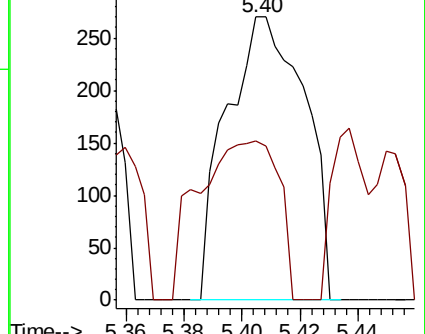
62 100

98 56.3 8.4 12.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#29

1,1,1-Trichloroethane

Concen: 0.307 ug/L

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU027679.D

Acq: 17 Oct 2018 15:38

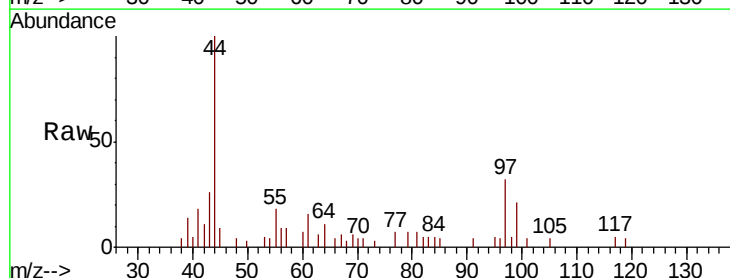
Tgt Ion: 97 Resp: 2950

Ion Ratio Lower Upper

97 100

99 43.9 51.4 77.2#

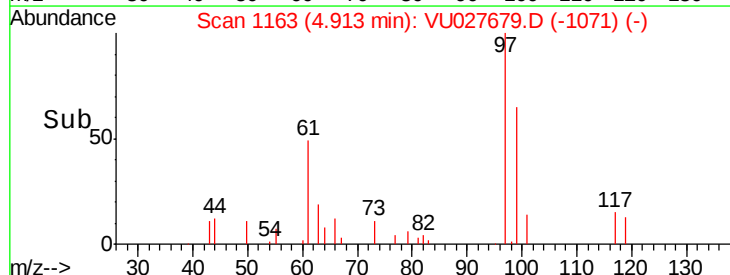
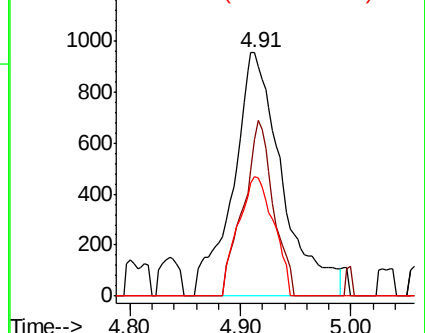
61 35.3 35.7 53.5#

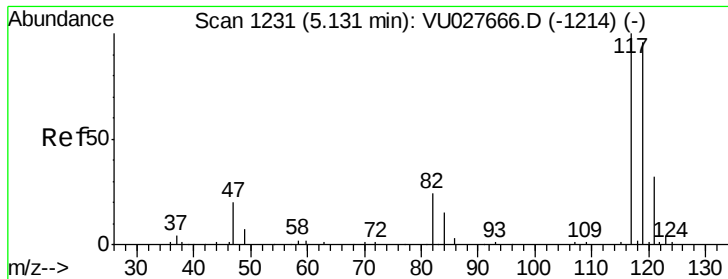


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



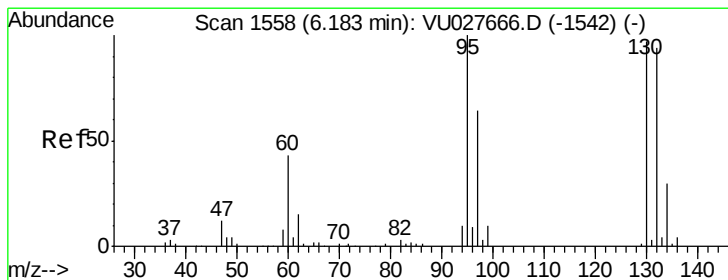
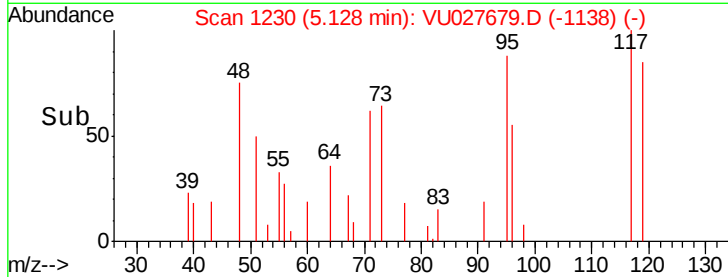
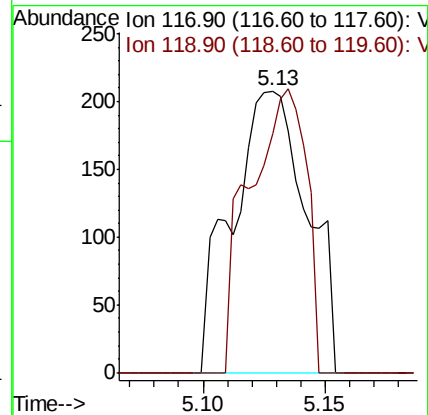
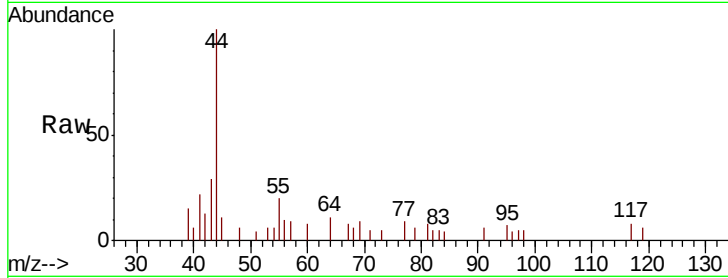


#31

Carbon tetrachloride
Concen: 0.051 ug/L
RT: 5.13 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU027679.D
Acq: 17 Oct 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
C0JB3

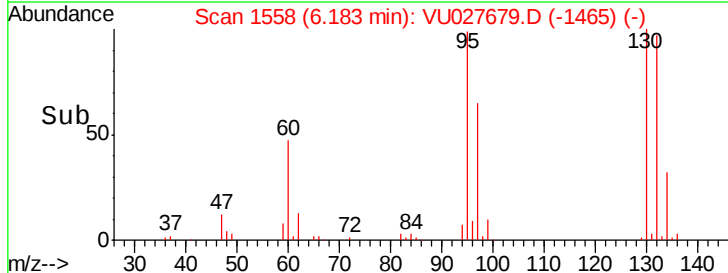
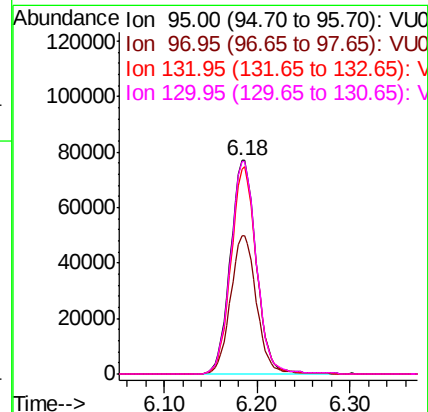
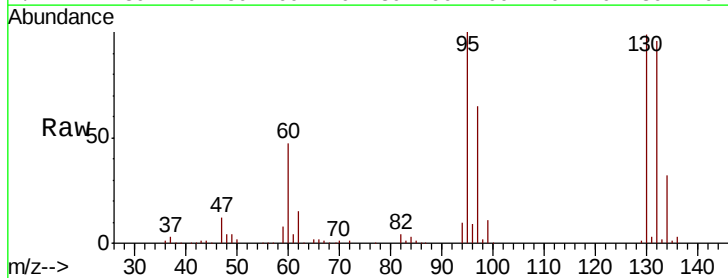
Tgt Ion: 117 Resp: 443
Ion Ratio Lower Upper
117 100
119 77.4 77.1 115.7

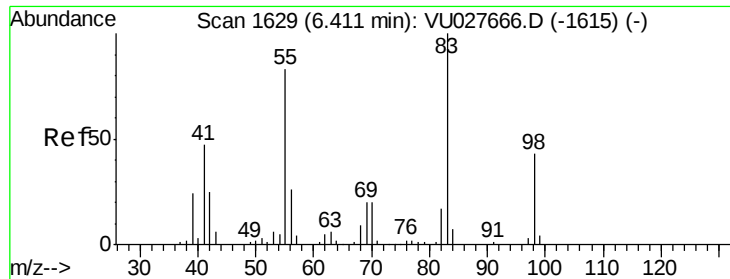


#34

Trichloroethene
Concen: 22.625 ug/L
RT: 6.18 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VU027679.D
Acq: 17 Oct 2018 15:38

Tgt Ion: 95 Resp: 150204
Ion Ratio Lower Upper
95 100
97 64.7 44.7 83.1
132 96.2 65.9 122.5
130 99.4 67.9 126.1

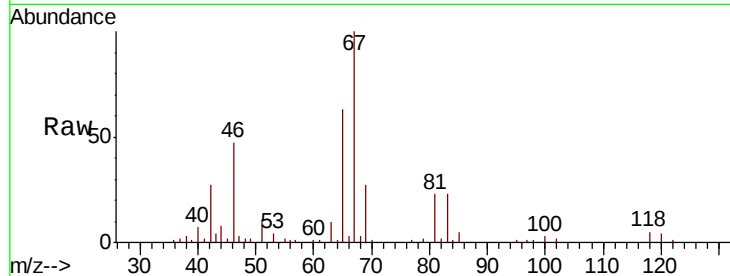




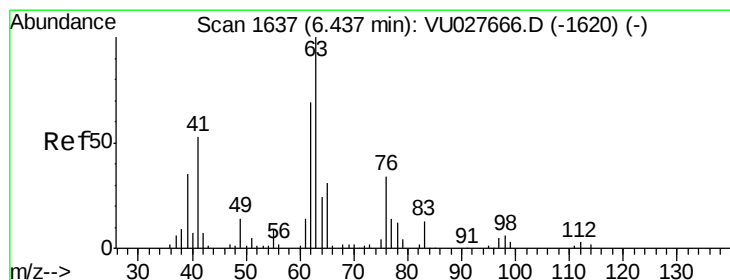
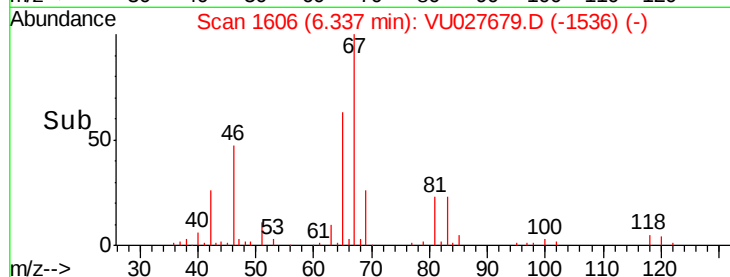
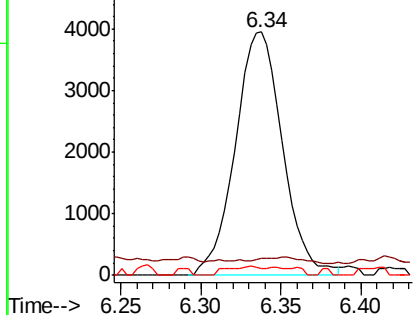
#35
Methylcyclohexane
Concen: 0.699 ug/L
RT: 6.34 min Scan# 1606
Delta R.T. -0.07 min
Lab File: VU027679.D
Acq: 17 Oct 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
C0JB3

Tgt Ion: 83 Resp: 7992
Ion Ratio Lower Upper
83 100
55 0.2 69.0 103.4#
98 2.8 35.4 53.2#

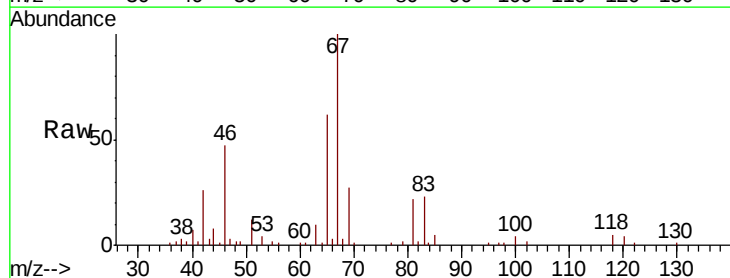


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

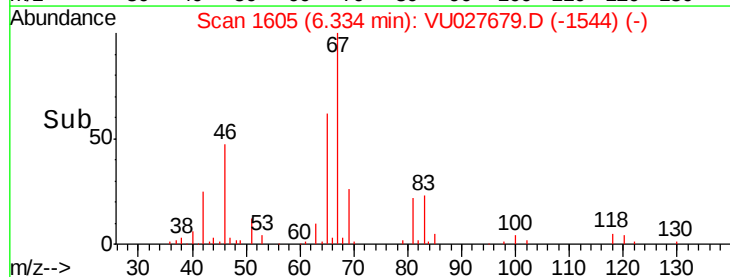
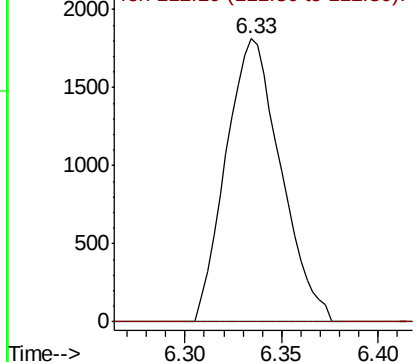


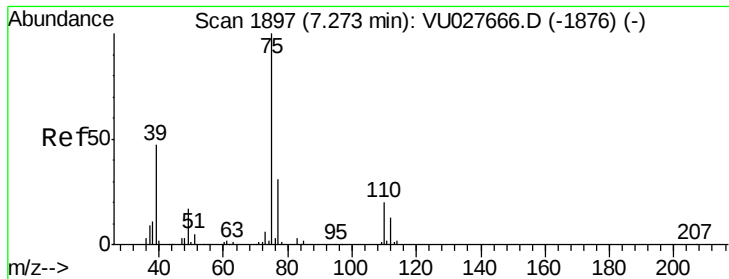
#37
1,2-Dichloropropane
Concen: 0.485 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU027679.D
Acq: 17 Oct 2018 15:38

Tgt Ion: 63 Resp: 3570
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



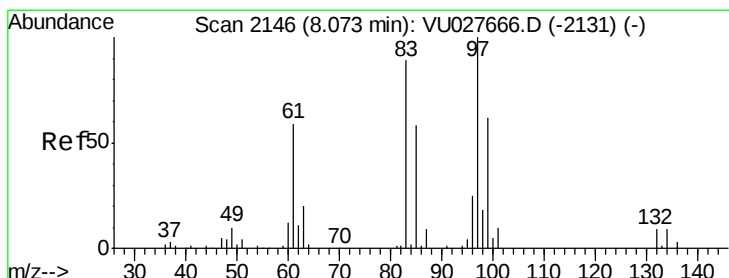
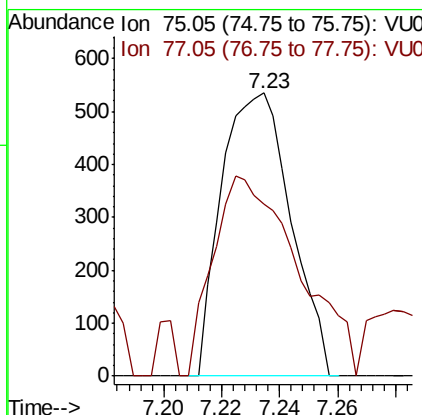
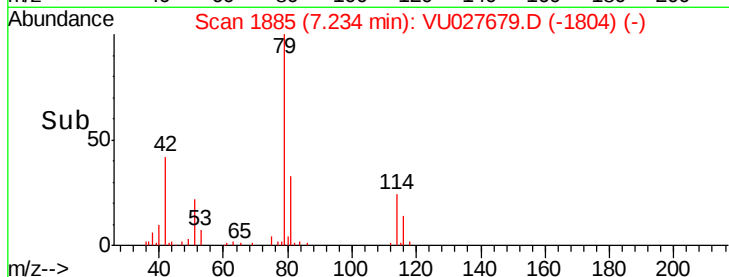
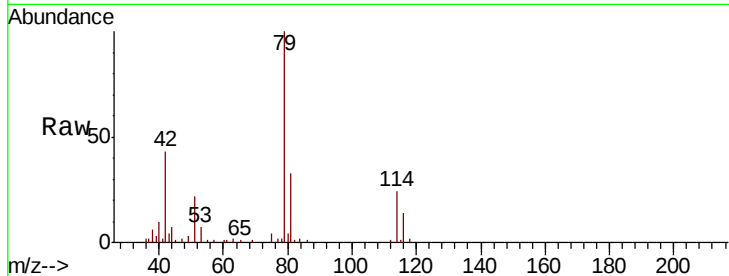


#39

cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.23 min Scan# 1885
 Delta R.T. -0.04 min
 Lab File: VU027679.D
 Acq: 17 Oct 2018 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB3

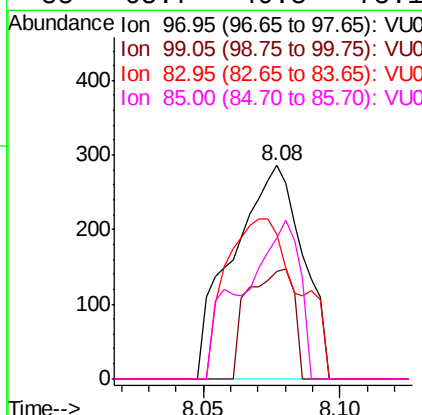
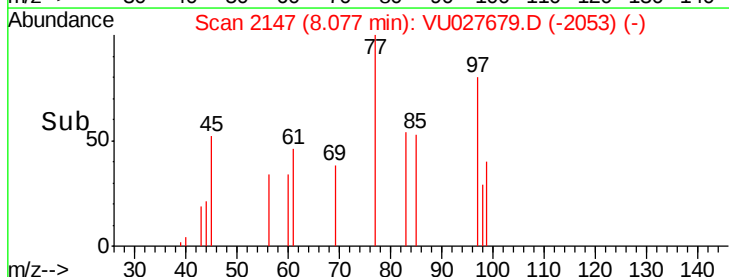
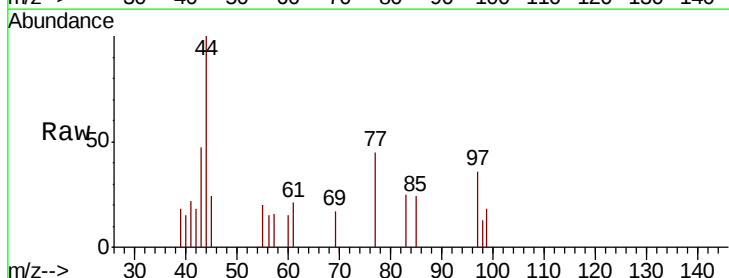
Tgt Ion: 75 Resp: 888
 Ion Ratio Lower Upper
 75 100
 77 60.9 22.2 41.2#

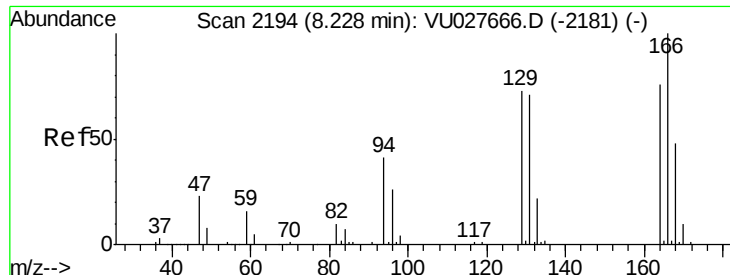


#45

1,1,2-Trichloroethane
 Concen: 0.107 ug/L
 RT: 8.08 min Scan# 2147
 Delta R.T. 0.00 min
 Lab File: VU027679.D
 Acq: 17 Oct 2018 15:38

Tgt Ion: 97 Resp: 509
 Ion Ratio Lower Upper
 97 100
 99 50.3 43.5 80.7
 83 67.5 62.0 115.2
 85 65.7 40.5 75.1

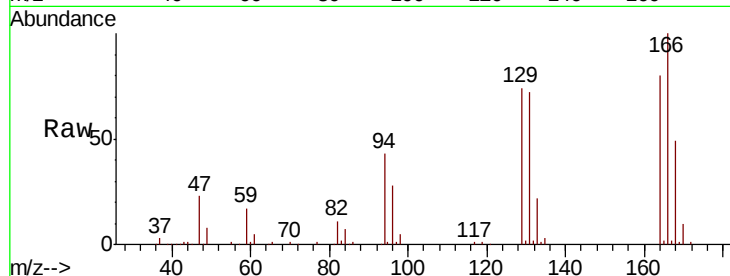




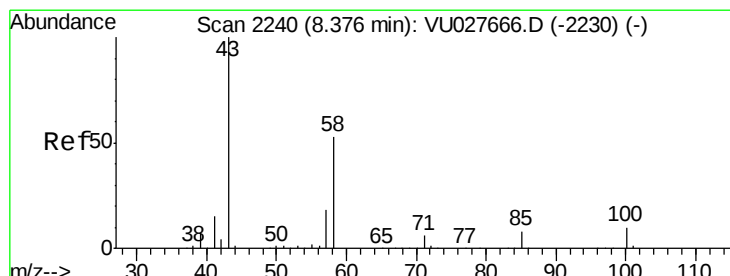
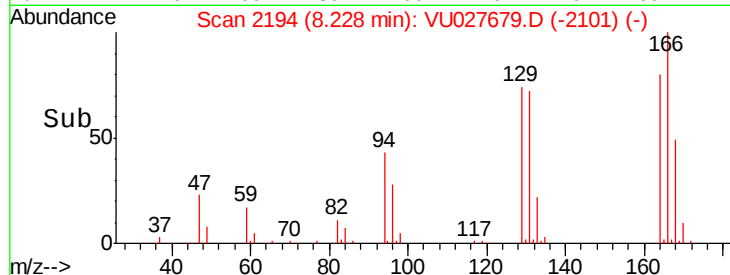
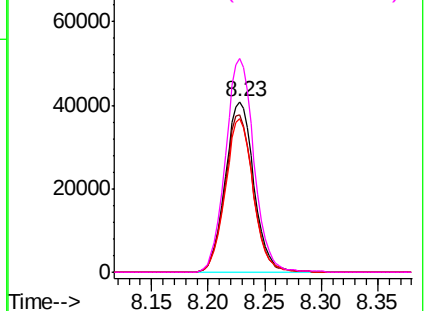
#47
Tetrachloroethene
Concen: 13.563 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027679.D
Acq: 17 Oct 2018 15:38

Instrument :
MSVOA_U
ClientSampleId :
C0JB3

Tgt Ion:164 Resp: 71889
Ion Ratio Lower Upper
164 100
129 92.2 67.3 124.9
131 90.3 64.8 120.3
166 125.1 91.8 170.4

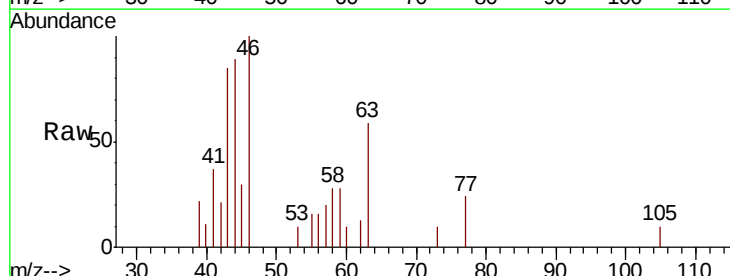


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

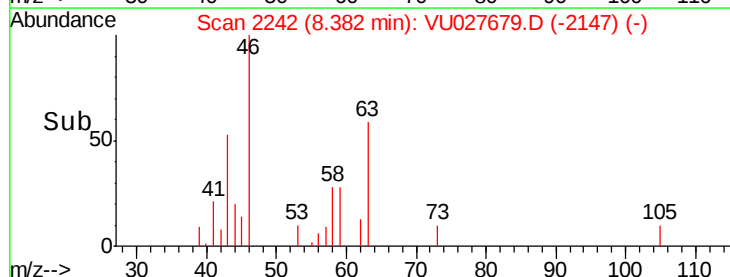
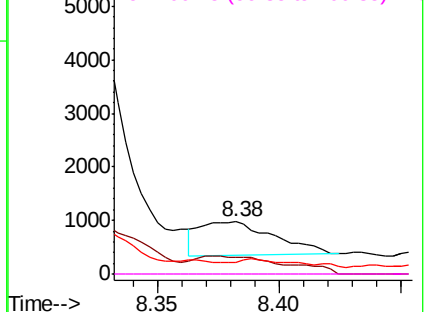


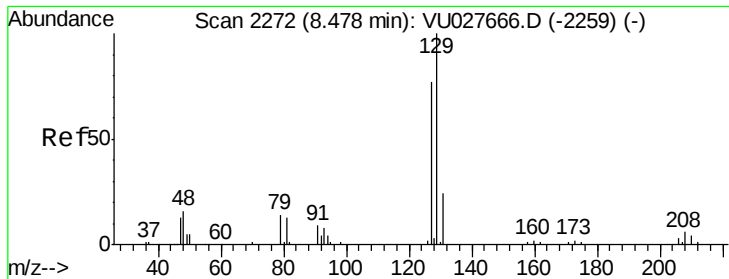
#48
2-Hexanone
Concen: 0.371 ug/L
RT: 8.38 min Scan# 2242
Delta R.T. 0.01 min
Lab File: VU027679.D
Acq: 17 Oct 2018 15:38

Tgt Ion: 43 Resp: 1320
Ion Ratio Lower Upper
43 100
58 66.4 42.7 64.1#
57 16.7 14.5 21.7
100 0.0 8.1 12.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

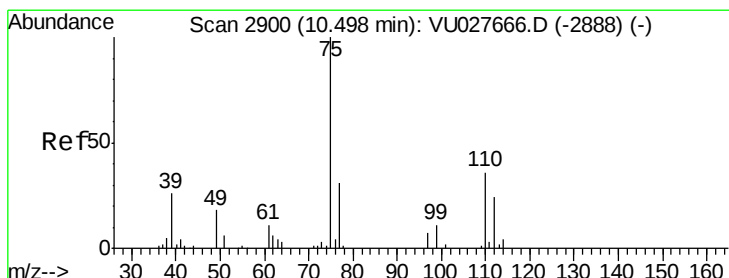
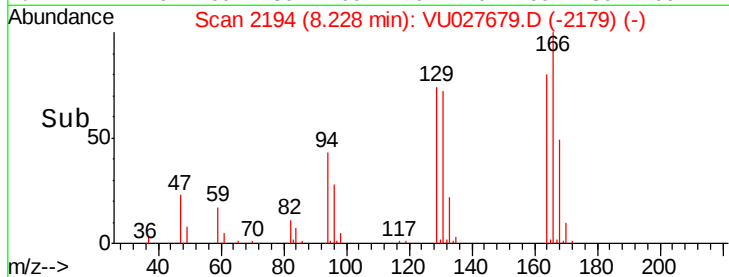
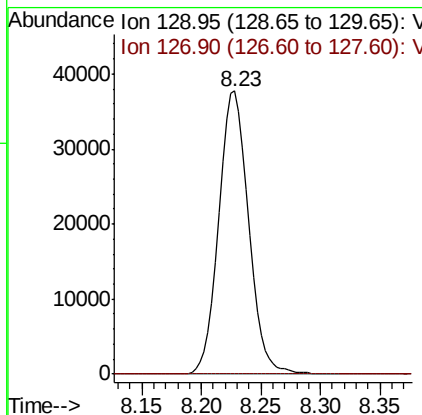
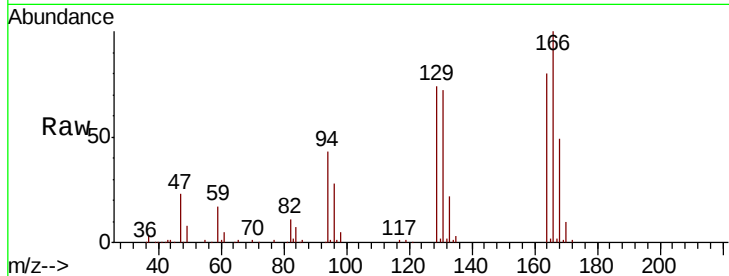




#49
 Dibromochloromethane
 Concen: 11.176 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.25 min
 Lab File: VU027679.D
 Acq: 17 Oct 2018 15:38

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JB3

Tgt Ion: 129 Resp: 65768
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.1 100.5#



#59
 1,2,3-Trichloropropane
 Concen: 1.153 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.98 min
 Lab File: VU027679.D
 Acq: 17 Oct 2018 15:38

Tgt Ion: 75 Resp: 4881
 Ion Ratio Lower Upper
 75 100
 77 38.7 26.9 40.3

