

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
 Data File : VU027665.D
 Acq On : 17 Oct 2018 08:38
 Operator : MD/SY
 Sample : VSTD00142
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00142

Quant Time: Oct 19 05:51:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 05:48:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	91559	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	87846	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	42813	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	7058	0.97	ug/L	0.00
7) Chloroethane-d5	1.68	69	5049	0.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	12256	0.95	ug/L	0.00
20) 2-Butanone-d5	4.22	46	19341	9.35	ug/L	0.00
24) Chloroform-d	4.65	84	10410	0.92	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	6710	1.05	ug/L	0.00
32) Benzene-d6	5.34	84	22220	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	8013	0.96	ug/L	0.00
41) Toluene-d8	7.57	98	21846	0.94	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	3716	1.01	ug/L	0.00
46) 2-Hexanone-d5	8.33	63	17047	9.45	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	6221	0.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	7576	0.94	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	7460	0.998 ug/L	94
3) Chloromethane	1.33	50	8716	0.979 ug/L	98
5) Vinyl chloride	1.40	62	8409	0.941 ug/L	95
6) Bromomethane	1.64	94	4465	0.932 ug/L	94
8) Chloroethane	1.70	64	4970	0.965 ug/L	97
9) Trichlorofluoromethane	1.89	101	9916	0.961 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	6063	0.974 ug/L	98
12) 1,1-Dichloroethene	2.29	96	6061	0.978 ug/L	78
13) Acetone	2.36	43	13177	9.960 ug/L	88
14) Carbon disulfide	2.48	76	20564	0.958 ug/L	96
15) Methyl Acetate	2.63	43	3979	1.126 ug/L	98
16) Methylene chloride	2.71	84	6938	1.027 ug/L	91
17) Methyl tert-butyl Ether	3.01	73	16973	0.991 ug/L	99
18) trans-1,2-Dichloroethene	2.99	96	6520	0.990 ug/L	94
19) 1,1-Dichloroethane	3.45	63	13078	0.998 ug/L	98
21) 2-Butanone	4.31	43	22945	9.981 ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	7079	0.971 ug/L #	99
23) Bromochloromethane	4.56	128	3285	1.001 ug/L	95
25) Chloroform	4.68	83	12781	1.010 ug/L	98
27) 1,2-Dichloroethane	5.41	62	7740	0.966 ug/L #	91
29) 1,1,1-Trichloroethane	4.92	97	9917	0.921 ug/L	93
30) Cyclohexane	4.99	56	12926	0.955 ug/L	96
31) Carbon tetrachloride	5.13	117	9304	0.954 ug/L	100
33) Benzene	5.39	78	28131	0.979 ug/L	100
34) Trichloroethene	6.18	95	7337	0.986 ug/L	94
35) Methylcyclohexane	6.41	83	11677	0.911 ug/L	93
37) 1,2-Dichloropropane	6.44	63	8225	0.996 ug/L	99
38) Bromodichloromethane	6.76	83	9083	0.947 ug/L #	90
39) cis-1,3-Dichloropropene	7.27	75	11646	0.970 ug/L	99
40) 4-Methyl-2-pentanone	7.48	43	53704	9.638 ug/L	99

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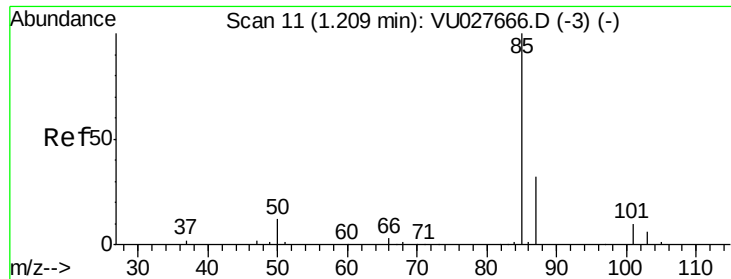
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	30580	0.990	ug/L	95
44) trans-1,3-Dichloropropene	7.89	75	9159	0.924	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	5074	0.956	ug/L	92
47) Tetrachloroethene	8.23	164	5473	0.921	ug/L	98
48) 2-Hexanone	8.38	43	38485	9.640	ug/L	99
49) Dibromochloromethane	8.48	129	6328	0.959	ug/L	97
50) 1,2-Dibromoethane	8.59	107	4800	0.965	ug/L #	94
51) Chlorobenzene	9.12	112	18056	0.953	ug/L	97
52) Ethylbenzene	9.25	91	33009	0.964	ug/L	97
53) m,p-xylene	9.38	106	12493	0.981	ug/L	96
54) o-xylene	9.78	106	11770	0.941	ug/L	95
55) Styrene	9.80	104	19717	0.938	ug/L	98
56) Isopropylbenzene	10.17	105	31641	0.951	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	6597	0.950	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	4603	0.970	ug/L	92
61) Bromoform	9.96	173	3840	1.001	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	13940	0.981	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	14020	0.983	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	13436	0.984	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.66	75	1097	0.976	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	11095	0.962	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	9391	0.944	ug/L	99
69) Naphthalene	13.75	128	15710	0.945	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	9207	0.991	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.998 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

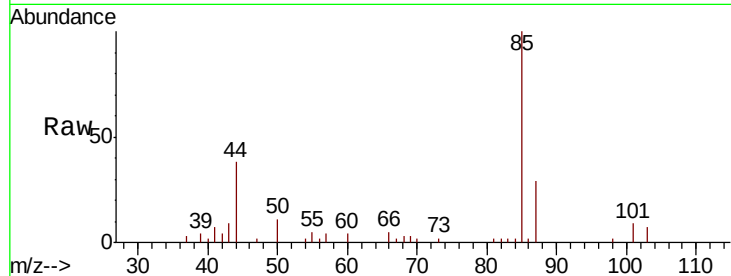
VSTD00142

Tgt Ion: 85 Resp: 7460

Ion Ratio Lower Upper

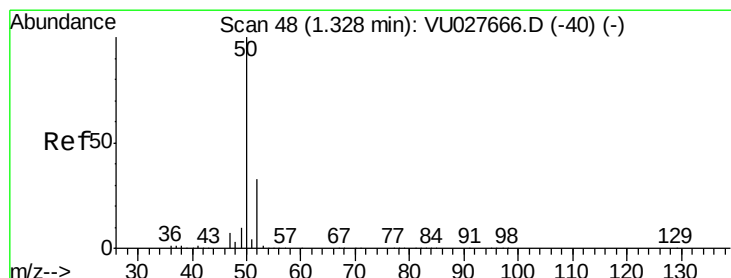
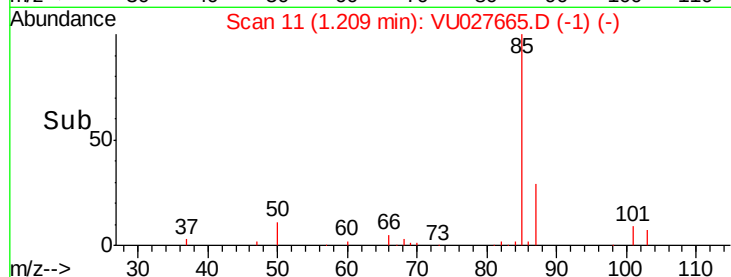
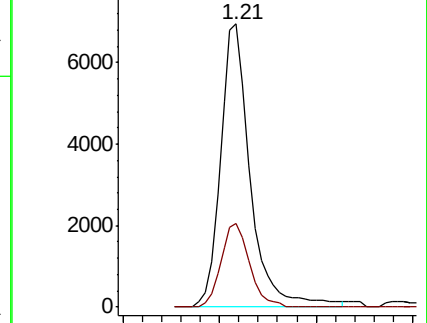
85 100

87 28.3 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.979 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU027665.D

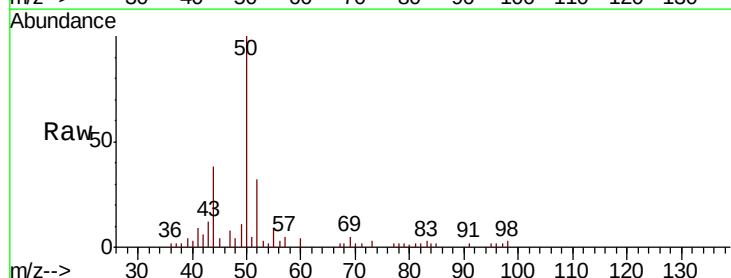
Acq: 17 Oct 2018 08:38

Tgt Ion: 50 Resp: 8716

Ion Ratio Lower Upper

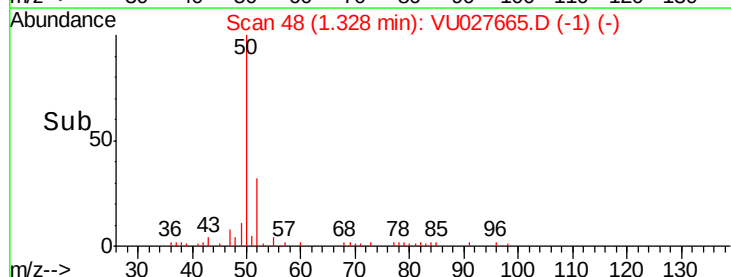
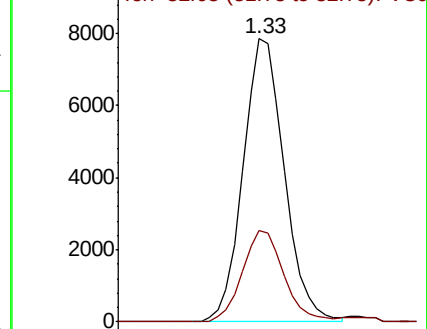
50 100

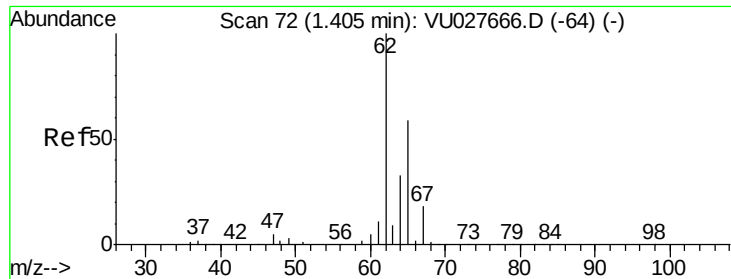
52 32.1 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.941 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

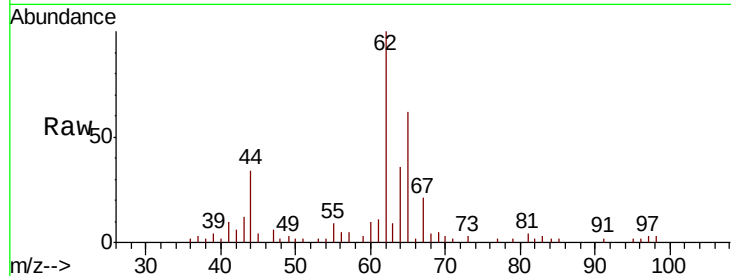
VSTD00142

Tgt Ion: 62 Resp: 8409

Ion Ratio Lower Upper

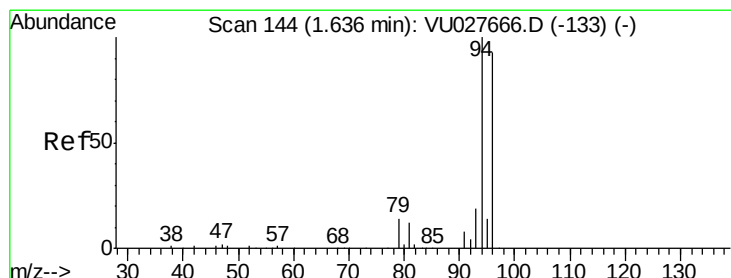
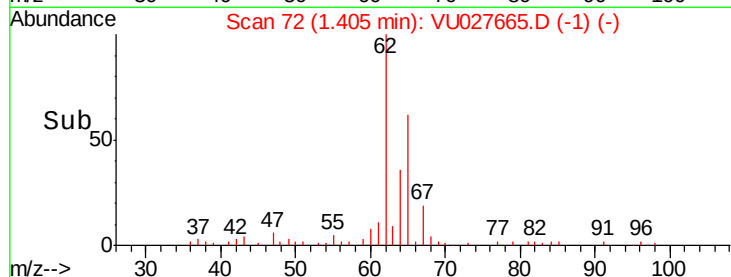
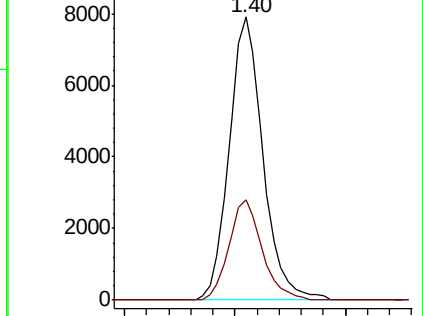
62 100

64 35.6 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.932 ug/L

RT: 1.64 min Scan# 144

Delta R.T. 0.00 min

Lab File: VU027665.D

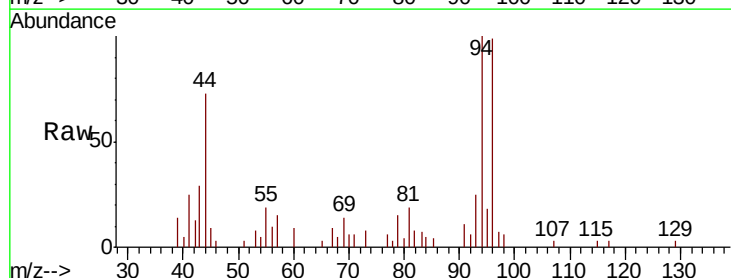
Acq: 17 Oct 2018 08:38

Tgt Ion: 94 Resp: 4465

Ion Ratio Lower Upper

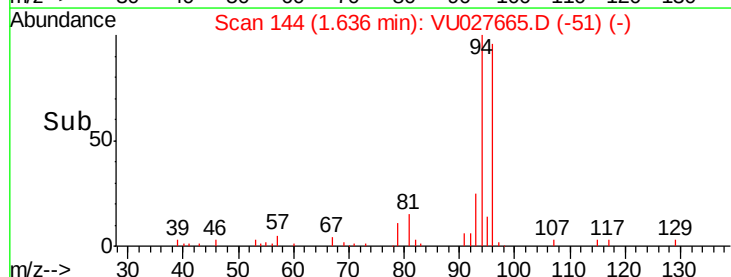
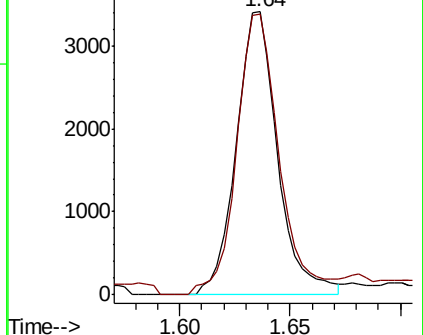
94 100

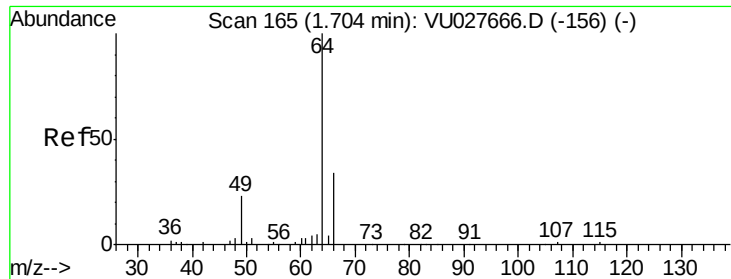
96 99.4 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

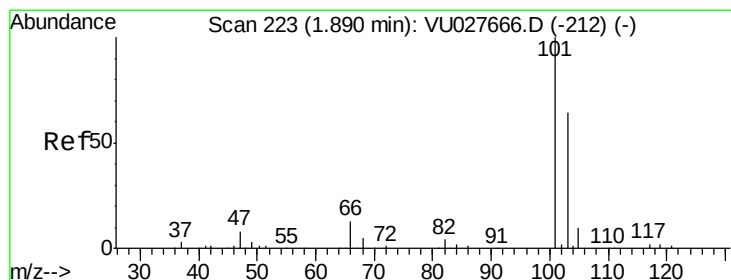
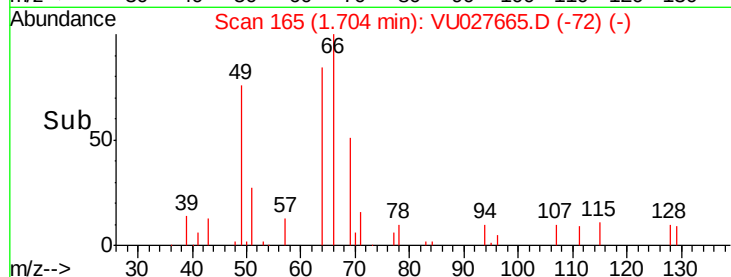
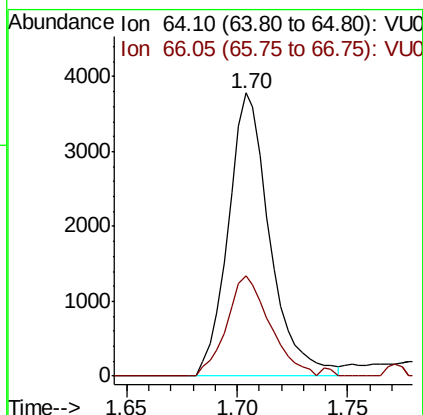
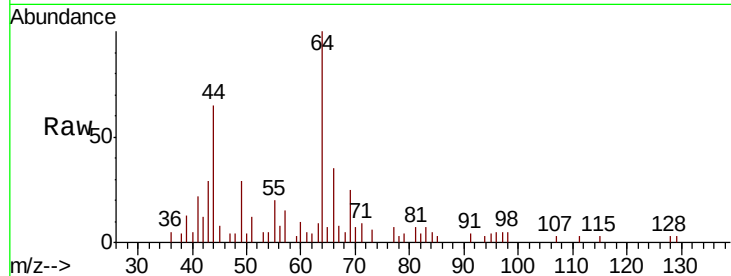




#8
Chloroethane
Concen: 0.965 ug/L
RT: 1.70 min Scan# 165
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

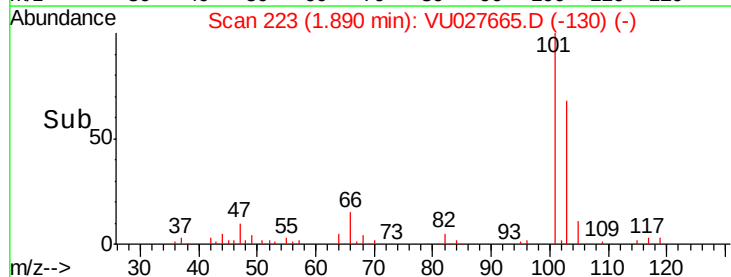
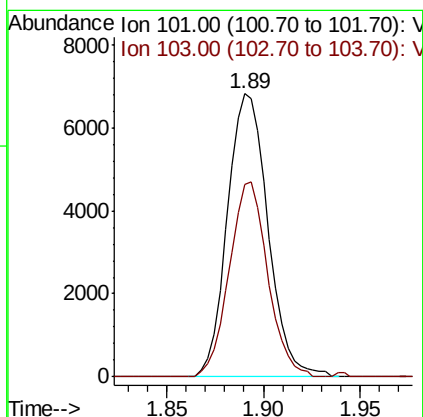
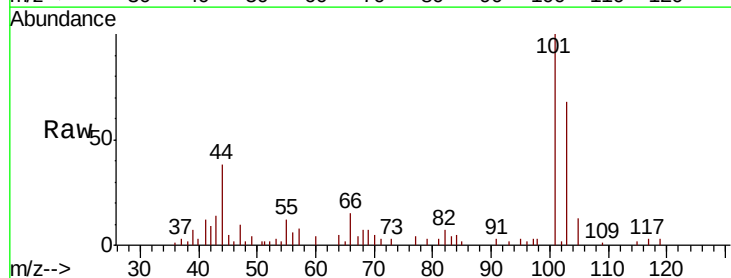
Instrument :
MSVOA_U
ClientSampleId :
VSTD00142

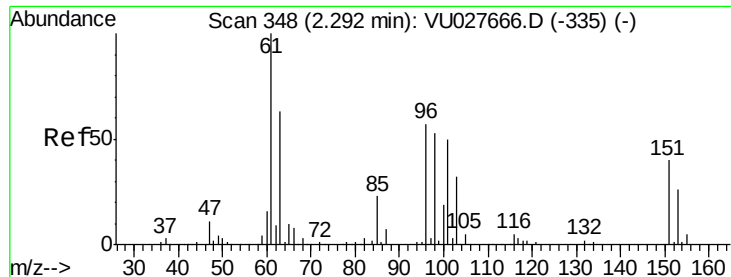
Tgt Ion: 64 Resp: 4970
Ion Ratio Lower Upper
64 100
66 35.4 23.5 43.7



#9
Trichlorofluoromethane
Concen: 0.961 ug/L
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

Tgt Ion: 101 Resp: 9916
Ion Ratio Lower Upper
101 100
103 65.2 52.2 78.4





#10

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

Concen: 0.974 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00142

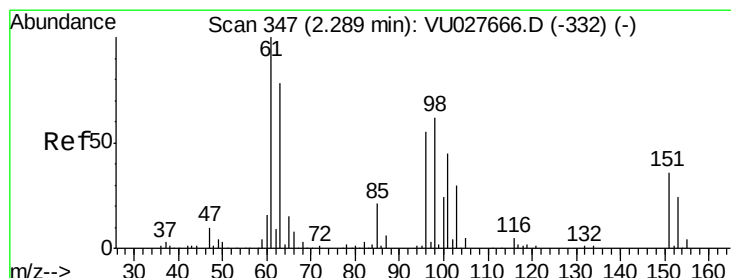
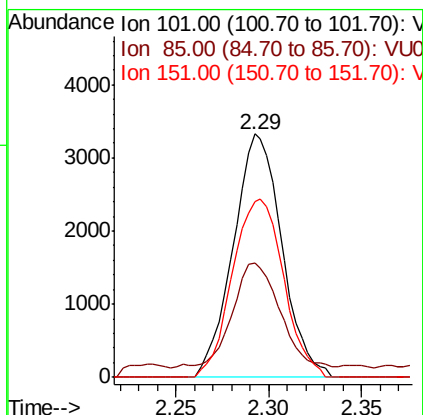
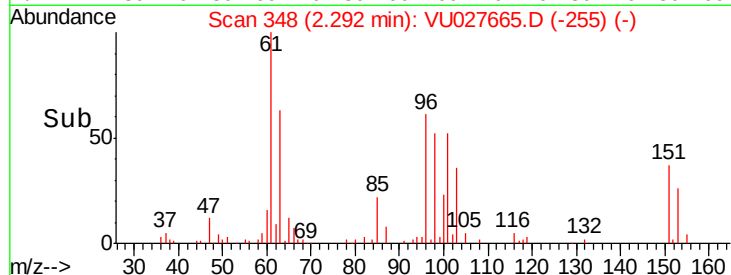
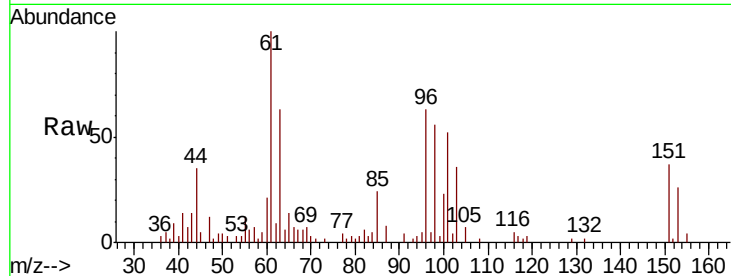
Tgt Ion: 101 Resp: 6063

Ion Ratio Lower Upper

101 100

85 44.9 35.6 53.4

151 77.0 63.8 95.6



#12

1,1-Dichloroethene

Concen: 0.978 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

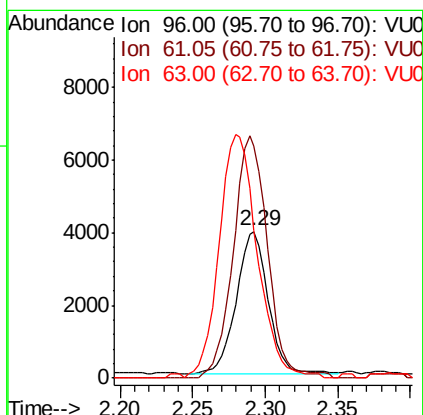
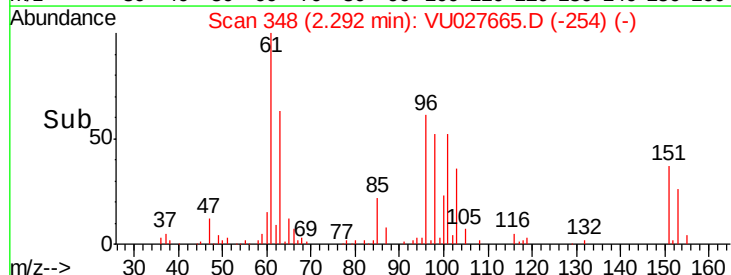
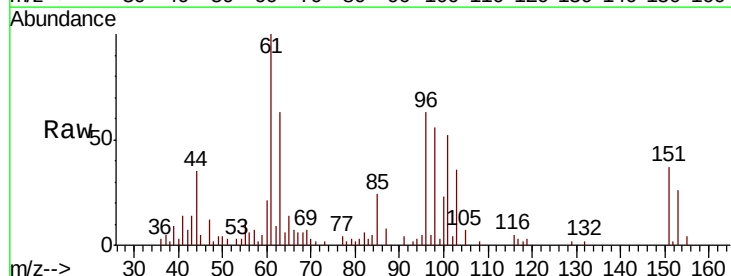
Tgt Ion: 96 Resp: 6061

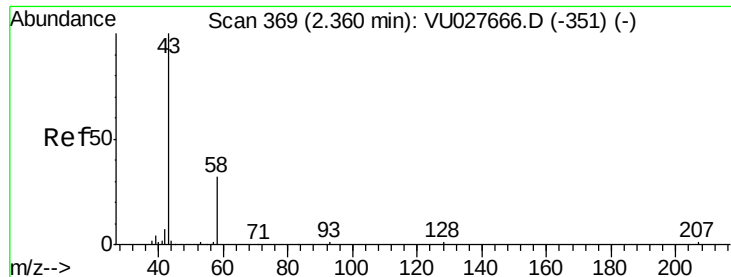
Ion Ratio Lower Upper

96 100

61 158.7 125.6 233.2

63 100.7 97.6 181.2





#13

Acetone

Concen: 9.960 ug/L

RT: 2.36 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

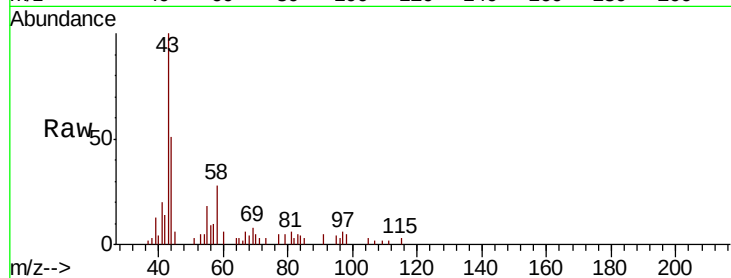
VSTD00142

Tgt Ion: 43 Resp: 13177

Ion Ratio Lower Upper

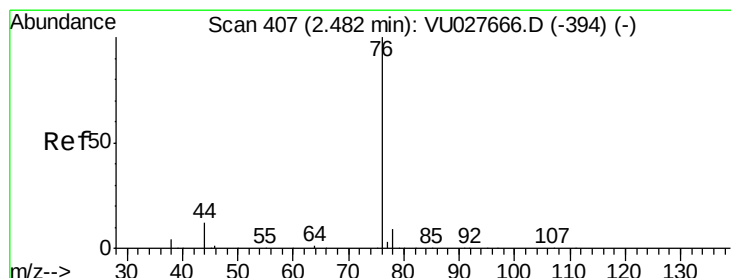
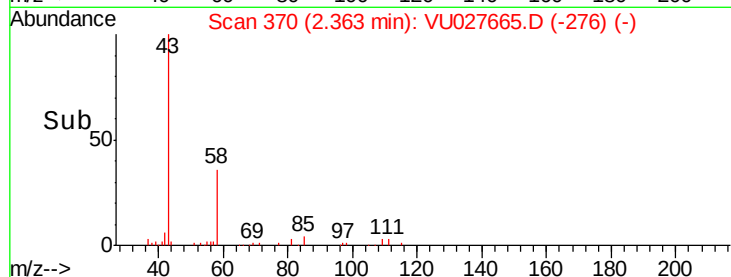
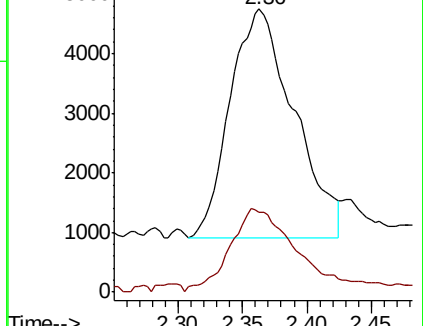
43 100

58 39.8 0.0 66.4



Abundance Ion 43.05 (42.75 to 43.75): VU027666.D (-351) (-)

Ion 58.05 (57.75 to 58.75): VU027666.D (-351) (-)



#14

Carbon disulfide

Concen: 0.958 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027665.D

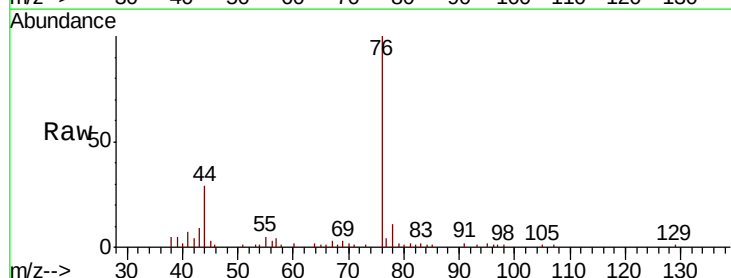
Acq: 17 Oct 2018 08:38

Tgt Ion: 76 Resp: 20564

Ion Ratio Lower Upper

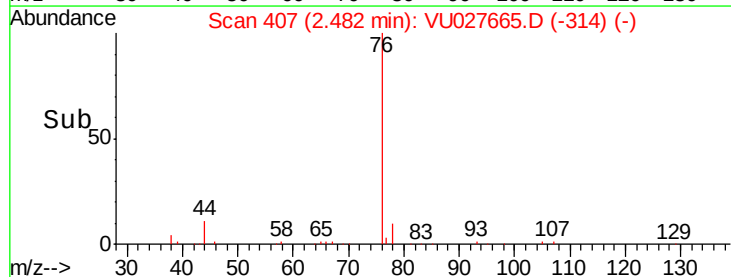
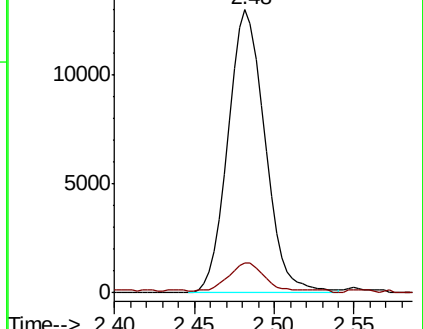
76 100

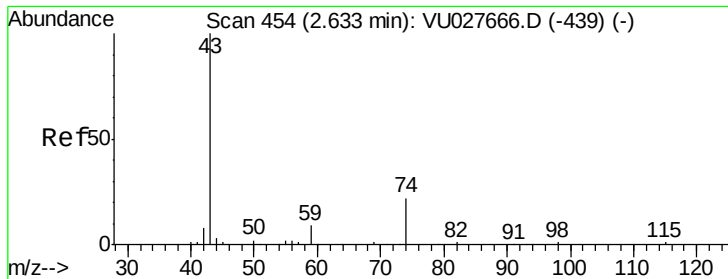
78 10.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU027666.D (-394) (-)

Ion 78.00 (77.70 to 78.70): VU027666.D (-394) (-)





#15

Methyl Acetate

Concen: 1.126 ug/L

RT: 2.63 min Scan# 454

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

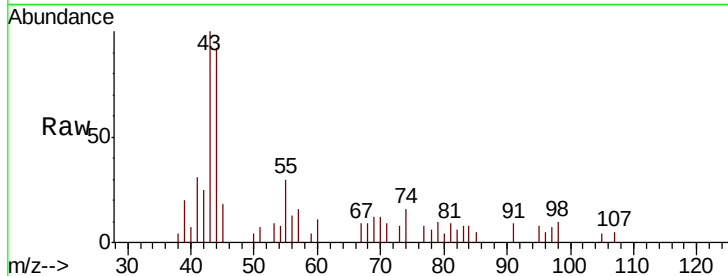
VSTD00142

Tgt Ion: 43 Resp: 3979

Ion Ratio Lower Upper

43 100

74 22.6 18.7 28.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.63

2500

2000

1500

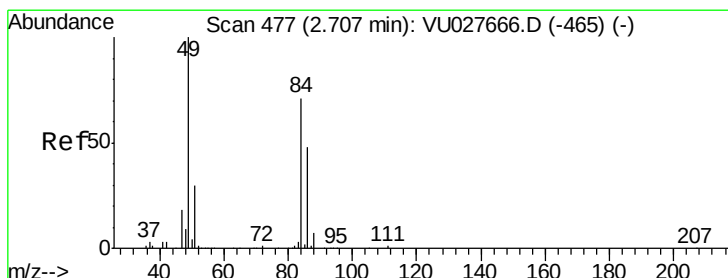
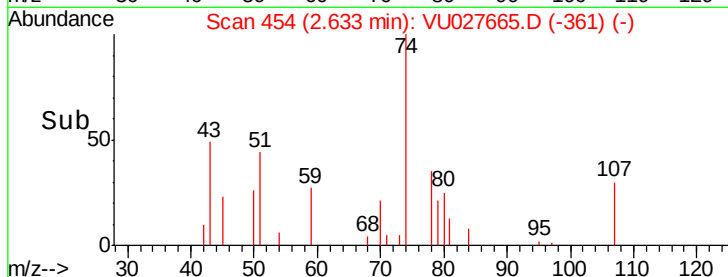
1000

500

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 1.027 ug/L

RT: 2.71 min Scan# 477

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

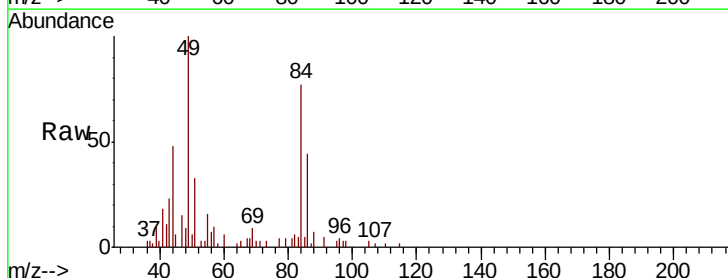
Tgt Ion: 84 Resp: 6938

Ion Ratio Lower Upper

84 100

86 56.6 46.1 85.7

49 129.4 96.9 179.9



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

6000

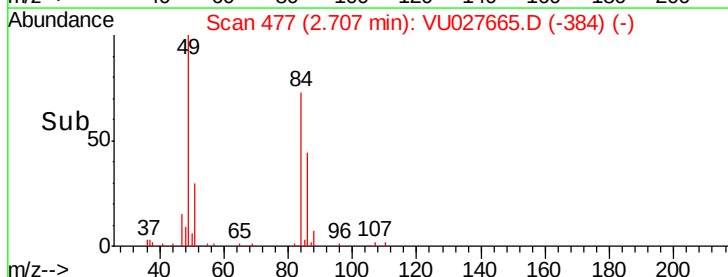
4000

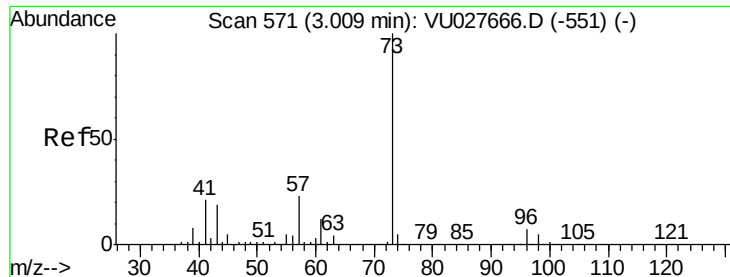
2000

0

Time-->

2.65 2.70 2.75





#17

Methyl tert-butyl Ether

Concen: 0.991 ug/L

RT: 3.01 min Scan# 572

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00142

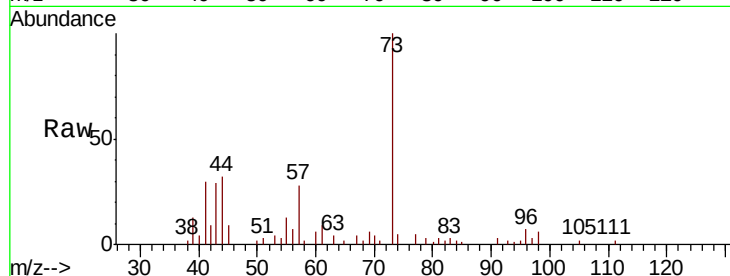
Tgt Ion: 73 Resp: 16973

Ion Ratio Lower Upper

73 100

43 19.7 15.8 23.8

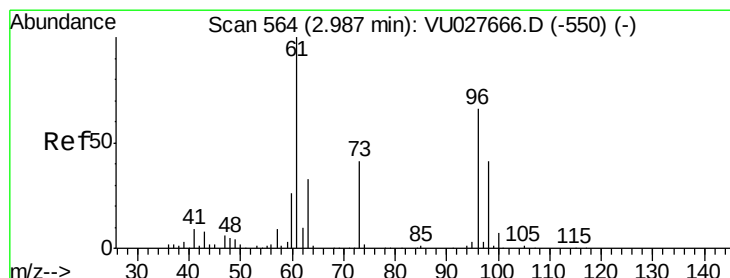
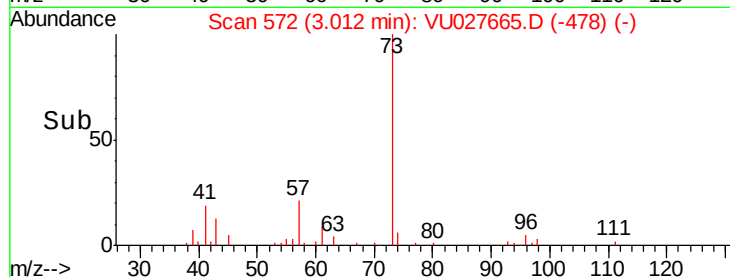
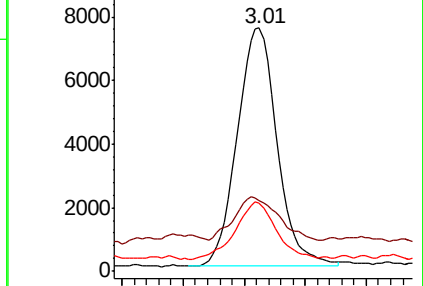
57 24.5 18.7 28.1



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: 0.990 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

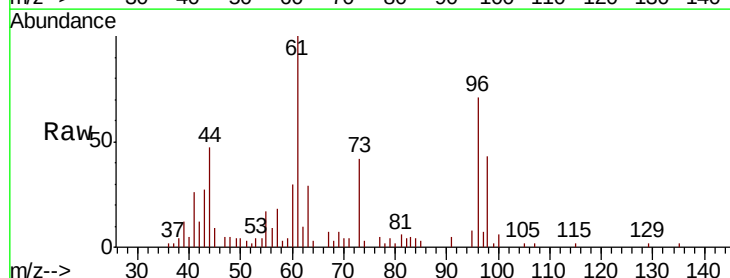
Tgt Ion: 96 Resp: 6520

Ion Ratio Lower Upper

96 100

61 140.8 105.8 196.4

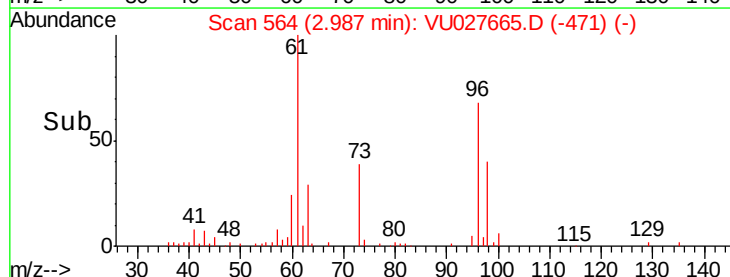
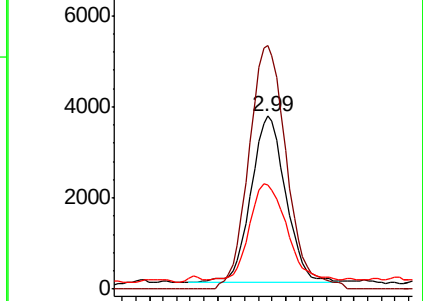
98 60.5 43.6 81.0

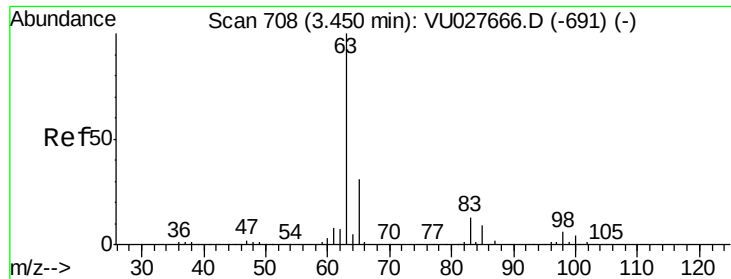


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

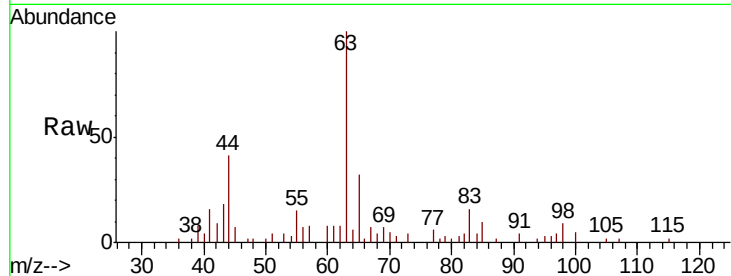




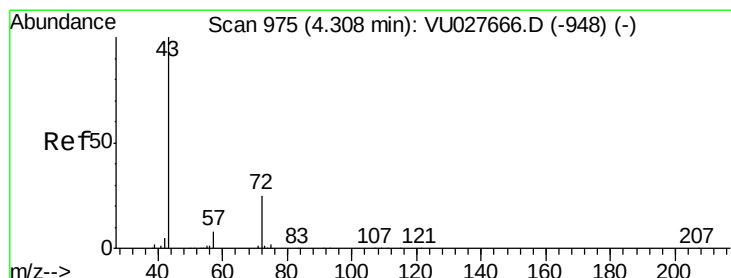
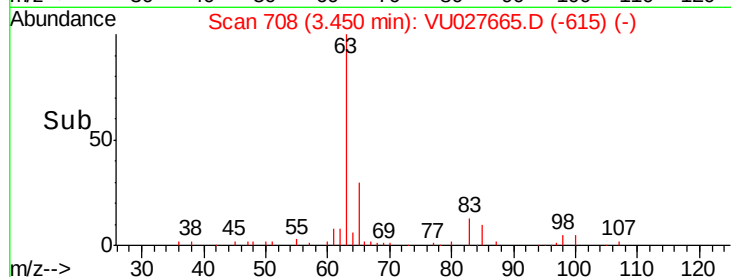
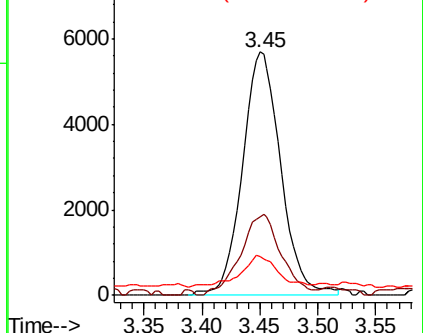
#19
 1,1-Dichloroethane
 Concen: 0.998 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00142

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.2	22.3	41.3
83	16.2	9.7	17.9

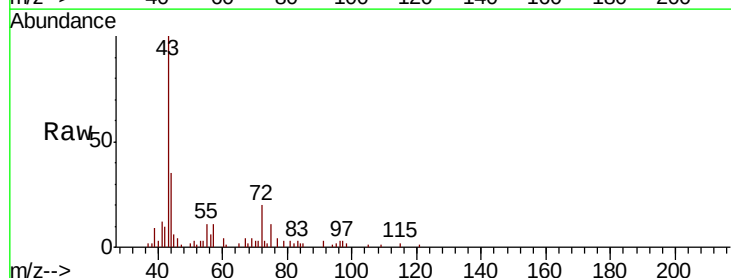


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

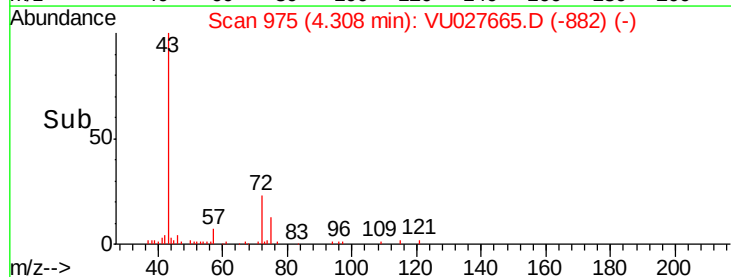
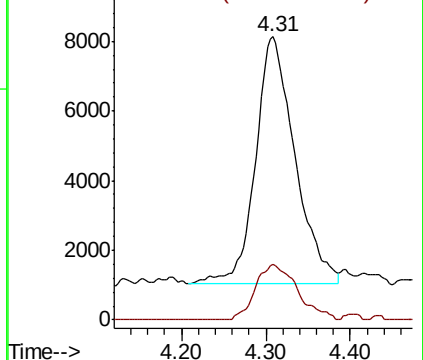


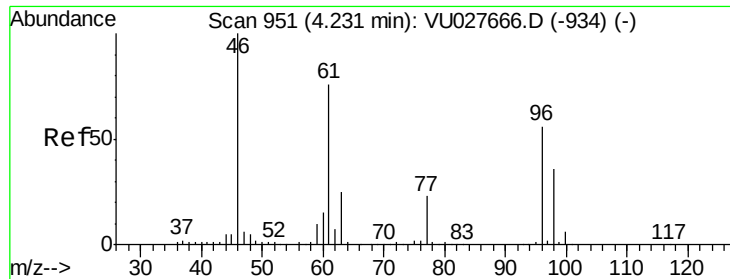
#21
 2-Butanone
 Concen: 9.981 ug/L
 RT: 4.31 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.0	11.7	35.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



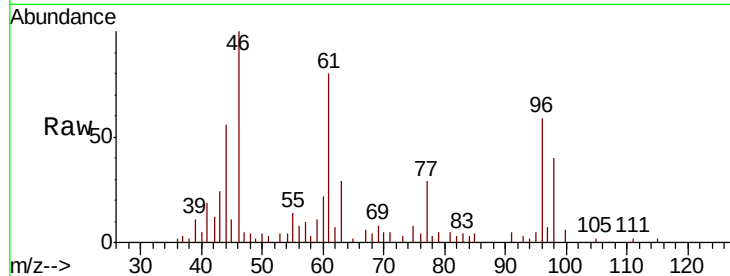


#22

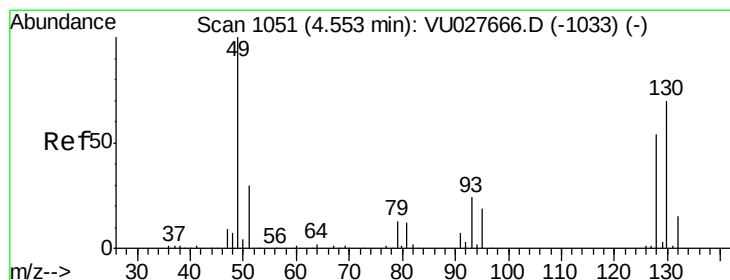
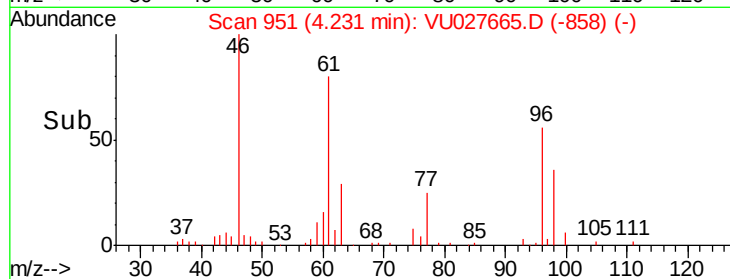
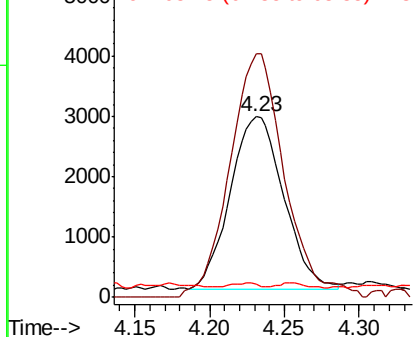
cis-1,2-Dichloroethene
Concen: 0.971 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00142

Tgt Ion: 96 Resp: 7079
Ion Ratio Lower Upper
96 100
61 134.9 95.3 176.9
68 7.1 1.1 2.1#



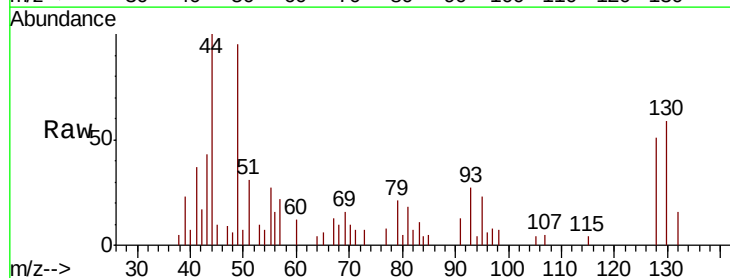
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



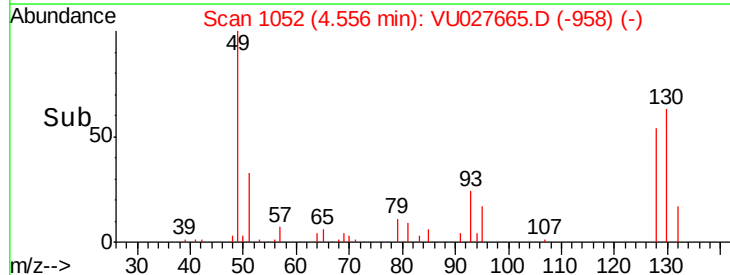
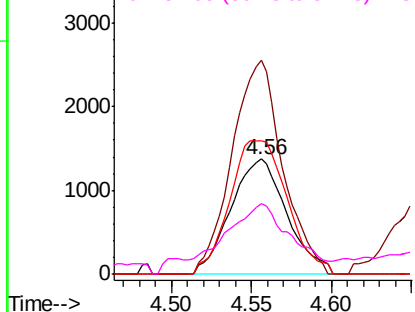
#23

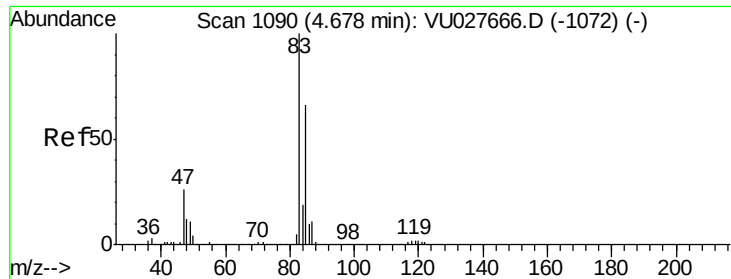
Bromochloromethane
Concen: 1.001 ug/L
RT: 4.56 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

Tgt Ion: 128 Resp: 3285
Ion Ratio Lower Upper
128 100
49 185.8 130.4 242.2
130 116.3 91.9 170.7
51 61.3 46.7 70.1



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

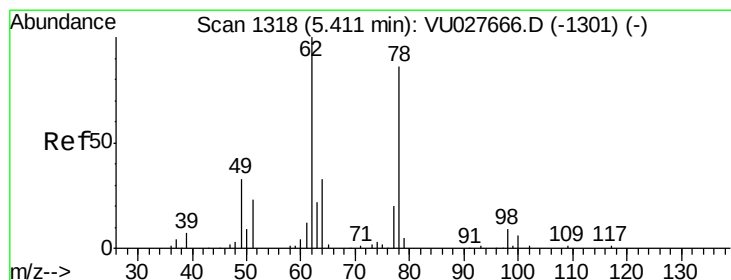
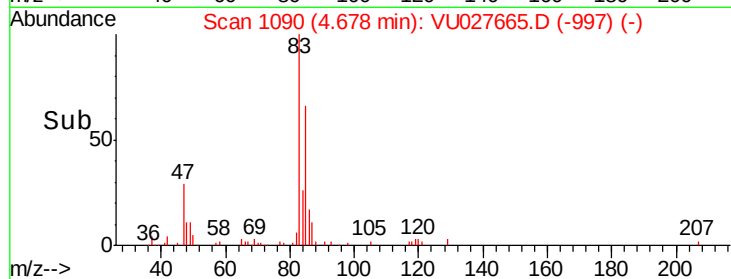
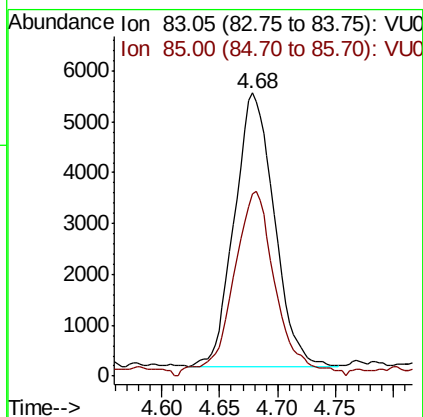
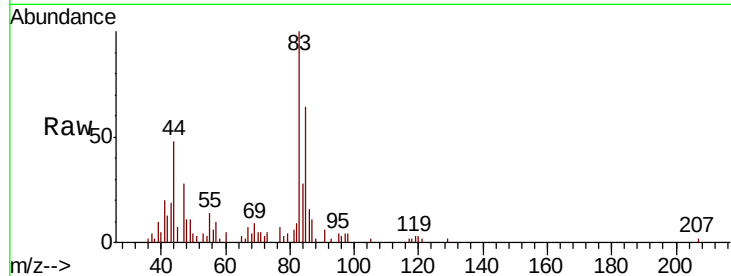




#25
Chloroform
Concen: 1.010 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

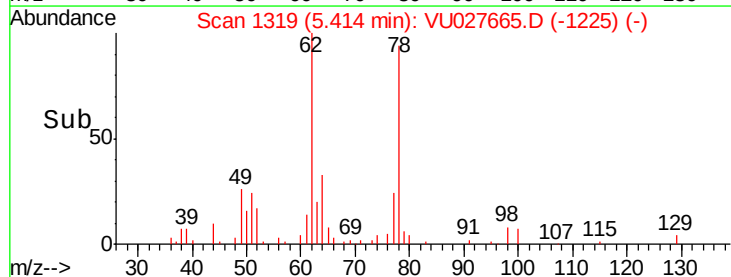
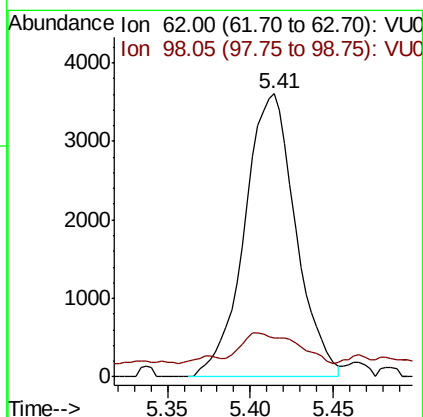
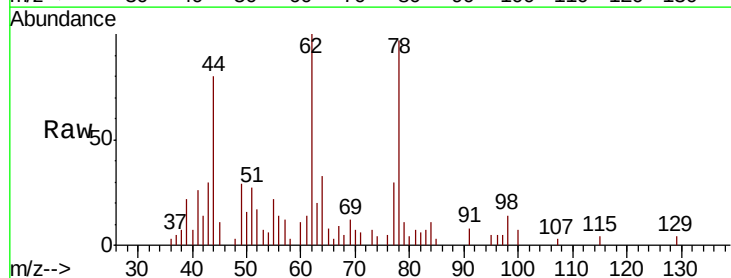
Instrument :
MSVOA_U
ClientSampleId :
VSTD00142

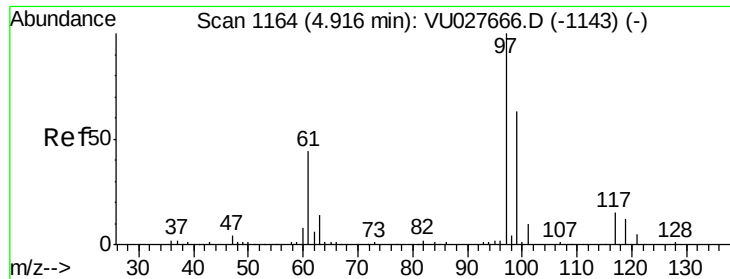
Tgt Ion: 83 Resp: 12781
Ion Ratio Lower Upper
83 100
85 64.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.966 ug/L
RT: 5.41 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

Tgt Ion: 62 Resp: 7740
Ion Ratio Lower Upper
62 100
98 13.8 8.4 12.6#

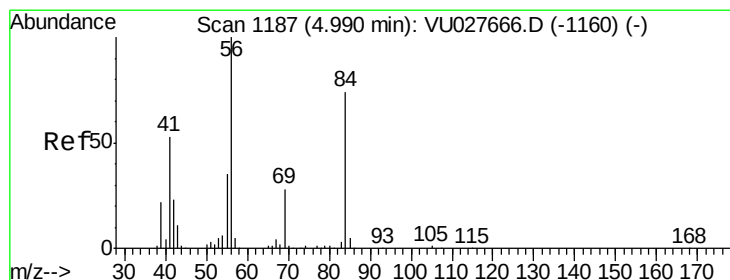
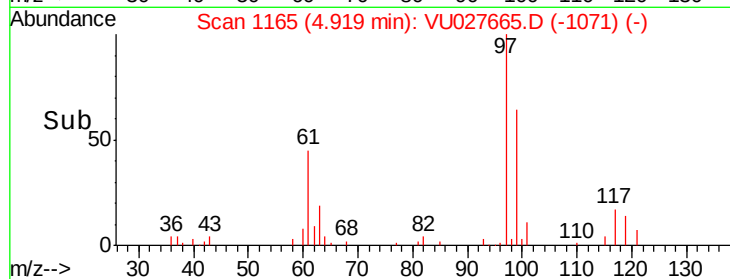
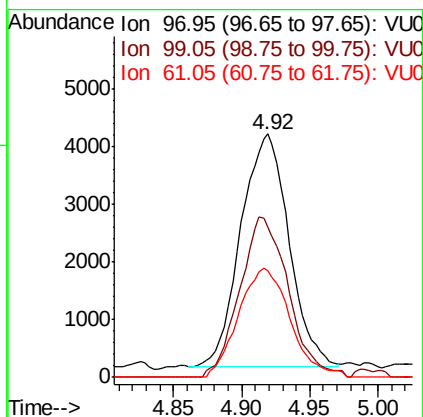
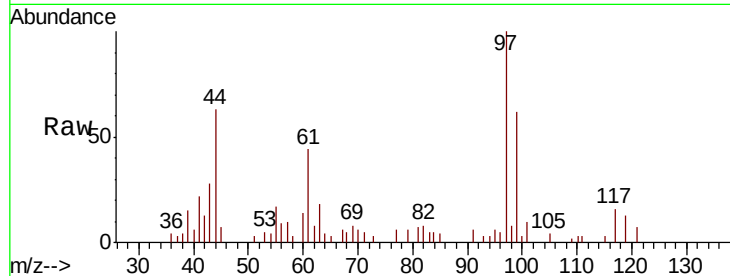




#29
 1,1,1-Trichloroethane
 Concen: 0.921 ug/L
 RT: 4.92 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

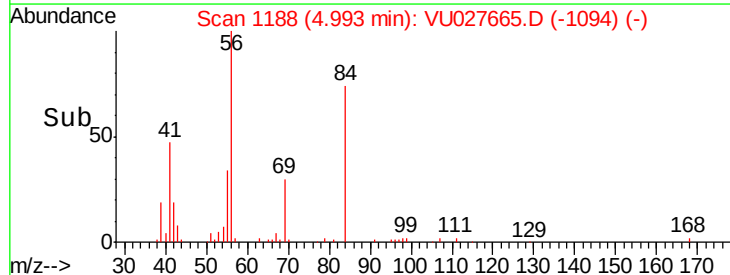
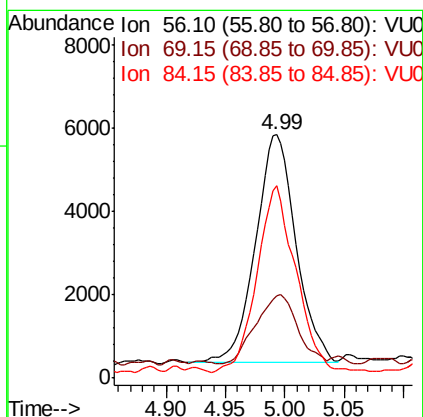
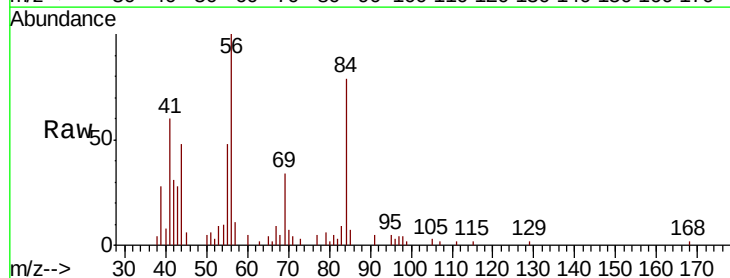
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00142

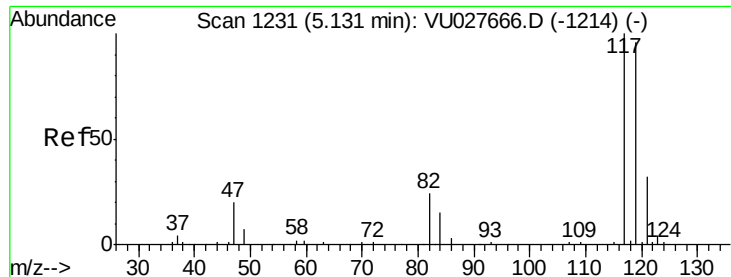
Tgt Ion: 97 Resp: 9917
 Ion Ratio Lower Upper
 97 100
 99 69.2 51.4 77.2
 61 50.0 35.7 53.5



#30
 Cyclohexane
 Concen: 0.955 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

Tgt Ion: 56 Resp: 12926
 Ion Ratio Lower Upper
 56 100
 69 30.9 23.4 35.2
 84 77.7 59.4 89.2

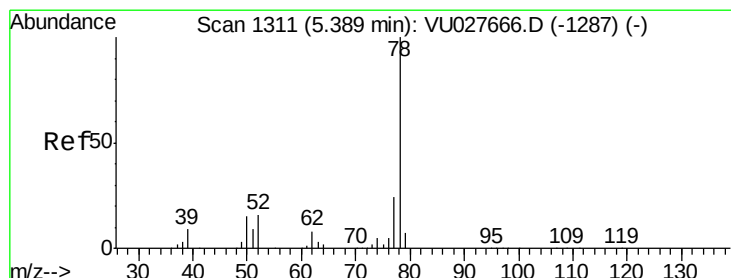
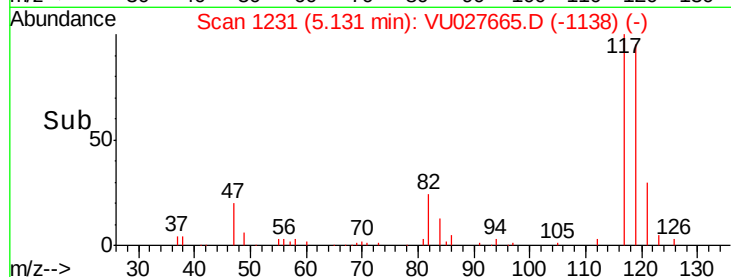
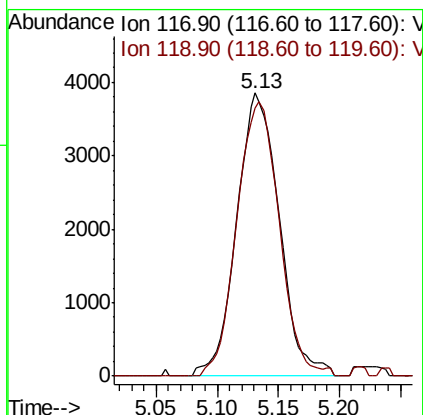
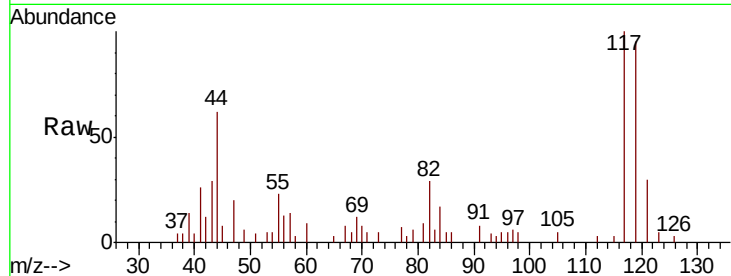




#31
Carbon tetrachloride
Concen: 0.954 ug/L
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

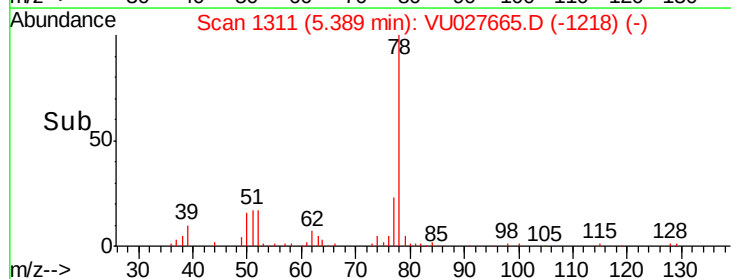
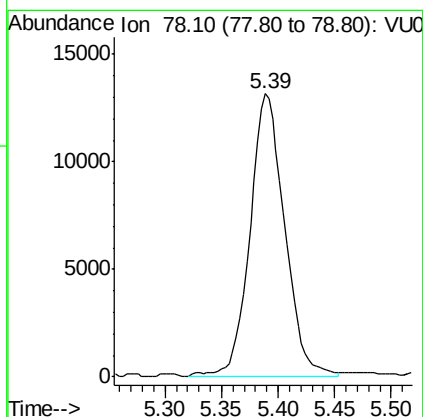
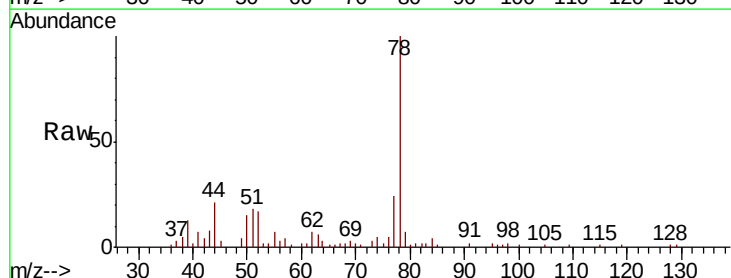
Instrument :
MSVOA_U
ClientSampleId :
VSTD00142

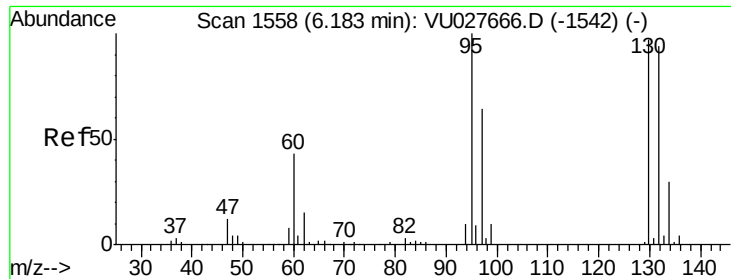
Tgt Ion: 117 Resp: 9304
Ion Ratio Lower Upper
117 100
119 96.7 77.1 115.7



#33
Benzene
Concen: 0.979 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

Tgt Ion: 78 Resp: 28131





#34

Trichloroethene

Concen: 0.986 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00142

Tgt Ion: 95 Resp: 7337

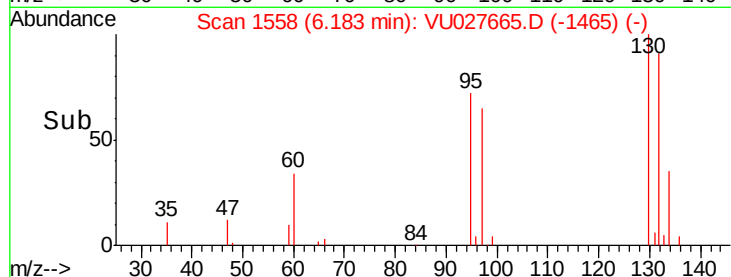
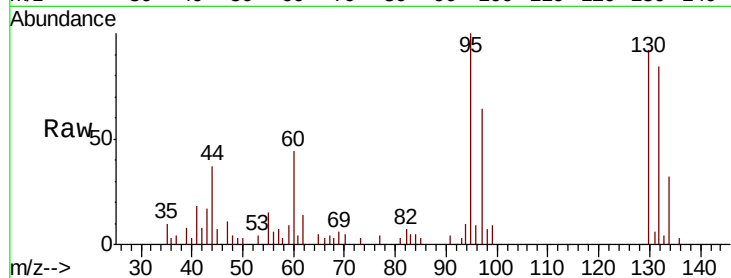
Ion Ratio Lower Upper

95 100

97 64.3 44.7 83.1

132 84.4 65.9 122.5

130 92.3 67.9 126.1

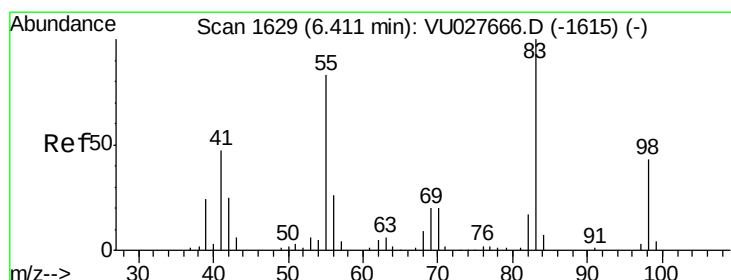
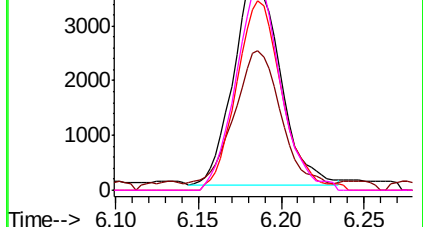


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.911 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

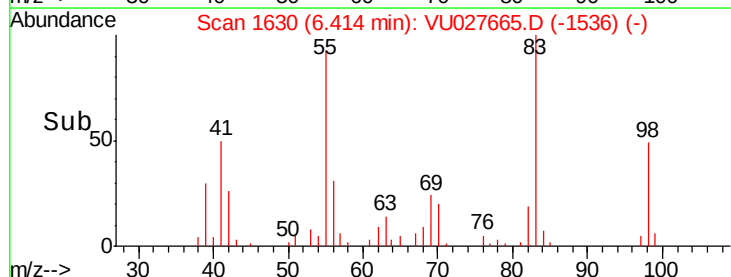
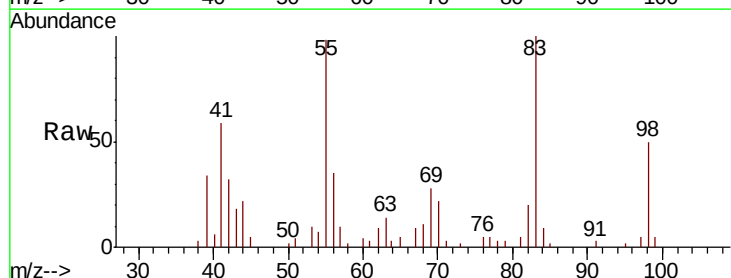
Tgt Ion: 83 Resp: 11677

Ion Ratio Lower Upper

83 100

55 91.3 69.0 103.4

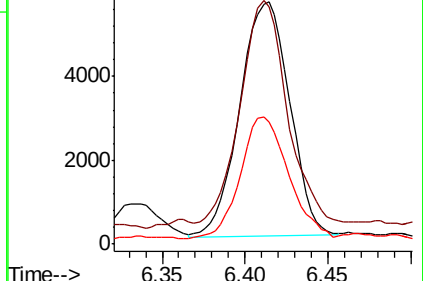
98 50.8 35.4 53.2

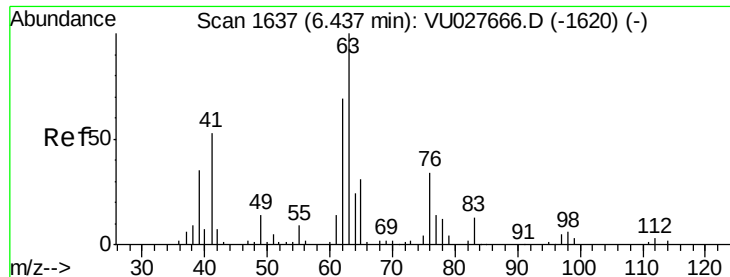


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

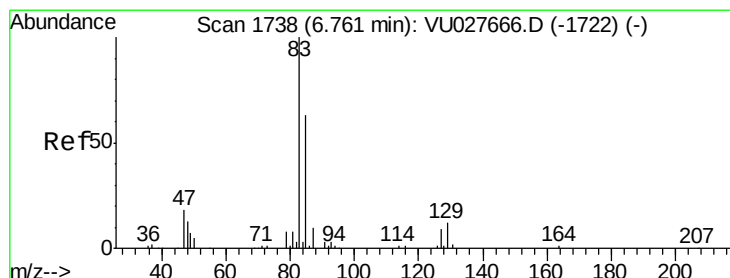
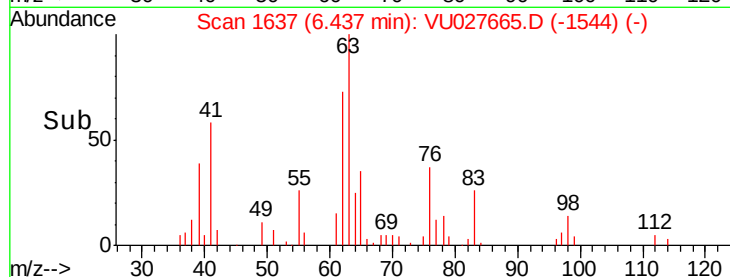
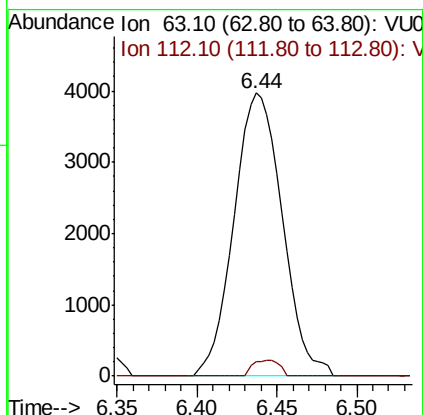
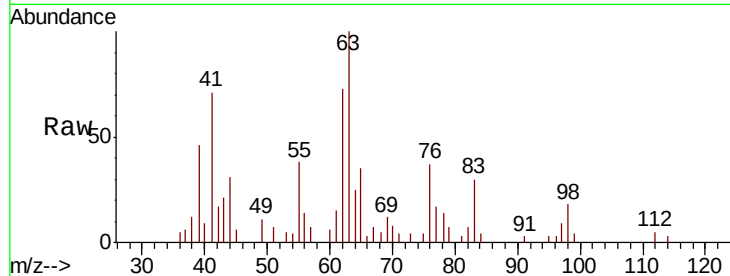




#37
 1,2-Dichloropropane
 Concen: 0.996 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

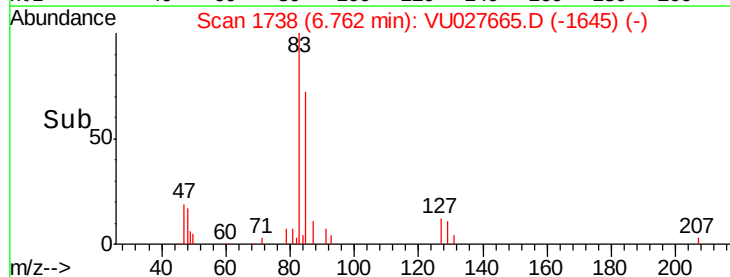
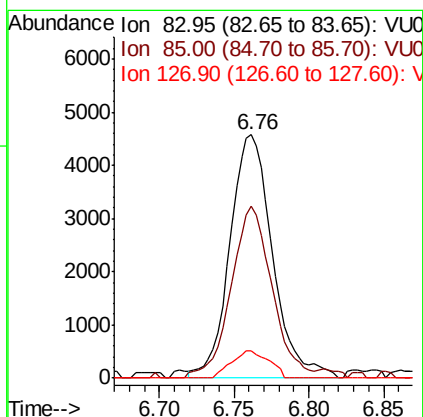
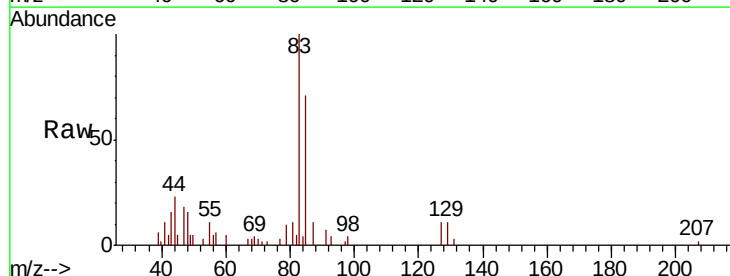
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00142

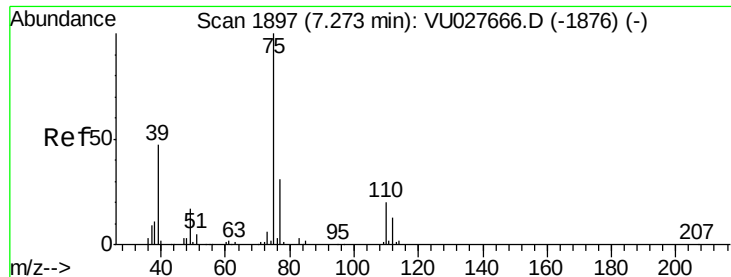
Tgt Ion: 63 Resp: 8225
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.8 4.2



#38
 Bromodichloromethane
 Concen: 0.947 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

Tgt Ion: 83 Resp: 9083
 Ion Ratio Lower Upper
 83 100
 85 70.6 43.7 81.1
 127 11.1 7.0 10.4#





#39

cis-1,3-Dichloropropene

Concen: 0.970 ug/L

RT: 7.27 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

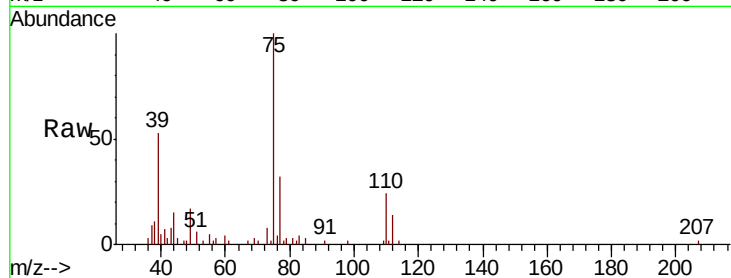
VSTD00142

Tgt Ion: 75 Resp: 11646

Ion Ratio Lower Upper

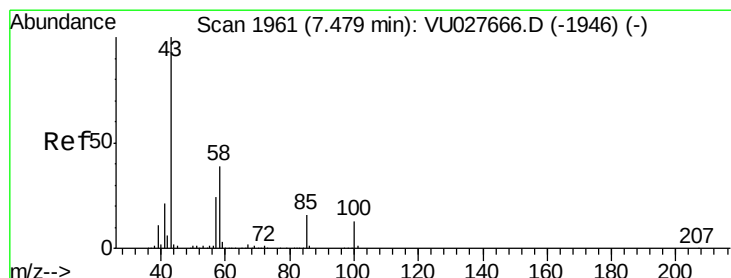
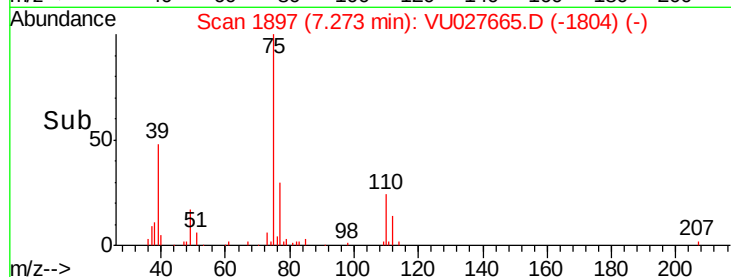
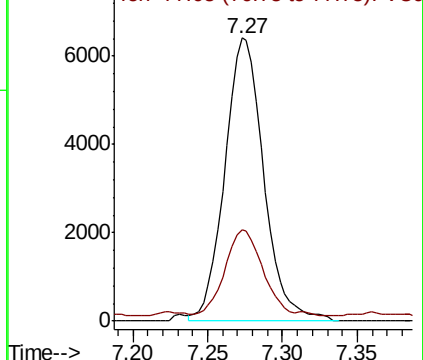
75 100

77 32.4 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 9.638 ug/L

RT: 7.48 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

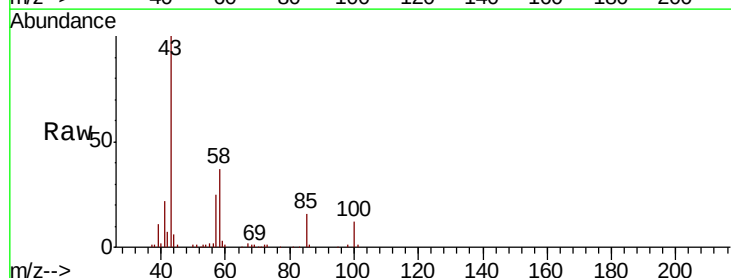
Tgt Ion: 43 Resp: 53704

Ion Ratio Lower Upper

43 100

58 38.3 30.4 45.6

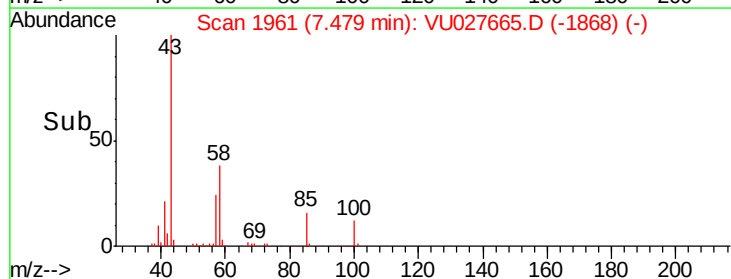
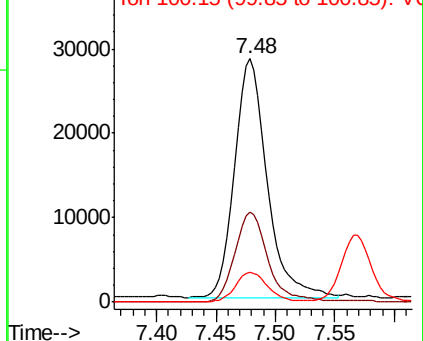
100 12.6 10.2 15.4

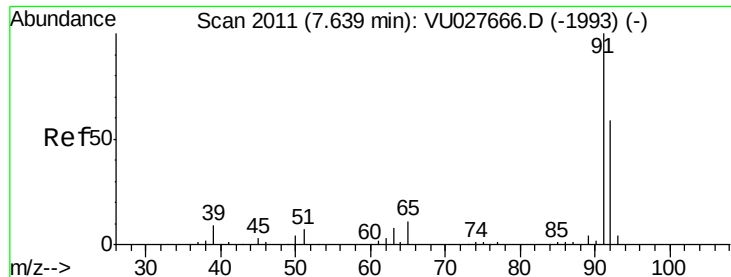


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 0.990 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

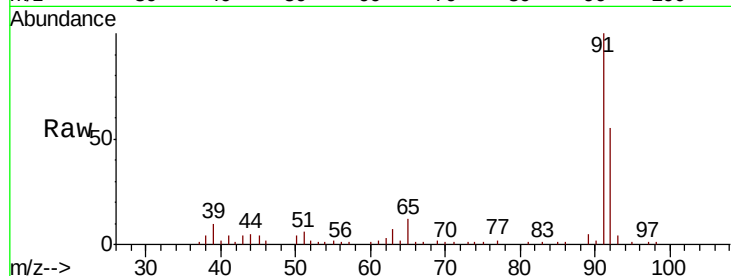
VSTD00142

Tgt Ion: 91 Resp: 30580

Ion Ratio Lower Upper

91 100

92 54.8 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU027666.D (-1993) (-)

Ion 92.15 (91.85 to 92.85): VU027666.D (-1993) (-)

7.64

15000

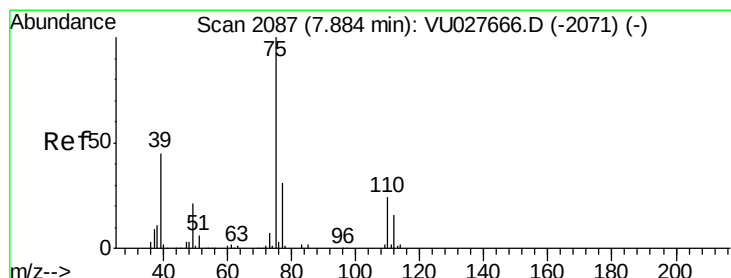
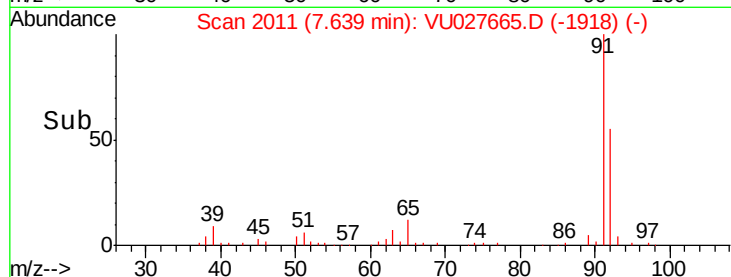
10000

5000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.924 ug/L

RT: 7.89 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VU027665.D

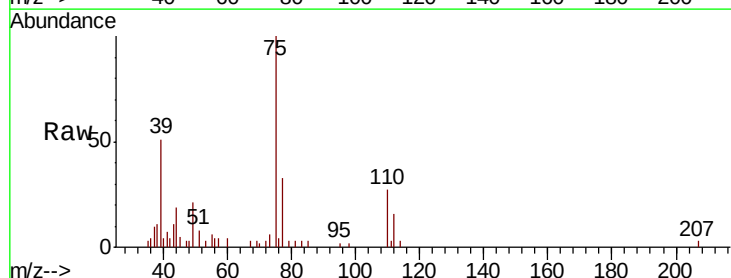
Acq: 17 Oct 2018 08:38

Tgt Ion: 75 Resp: 9159

Ion Ratio Lower Upper

75 100

77 33.0 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU027666.D (-2071) (-)

Ion 77.05 (76.75 to 77.75): VU027666.D (-2071) (-)

7.89

6000

5000

4000

3000

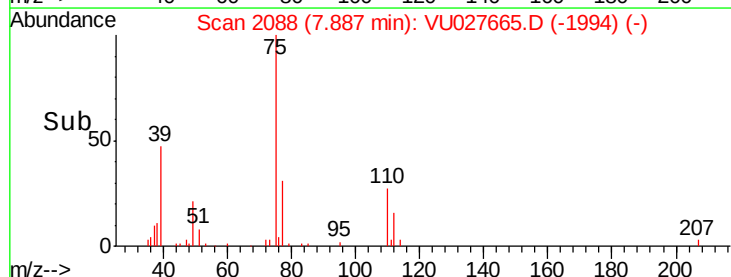
2000

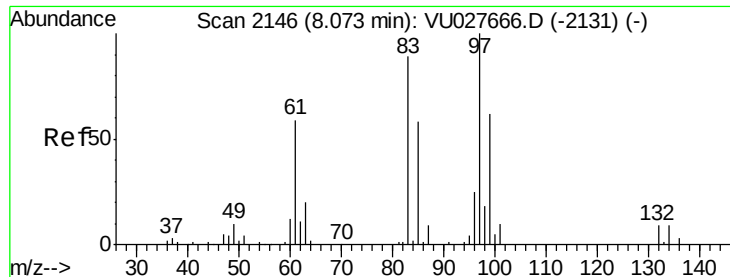
1000

0

7.80 7.85 7.90 7.95

Time-->

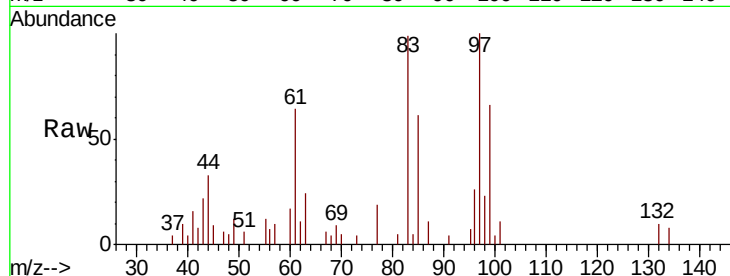




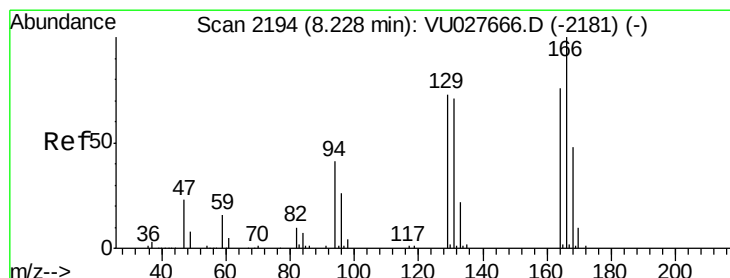
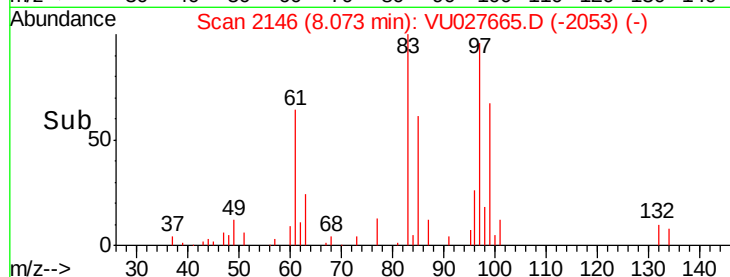
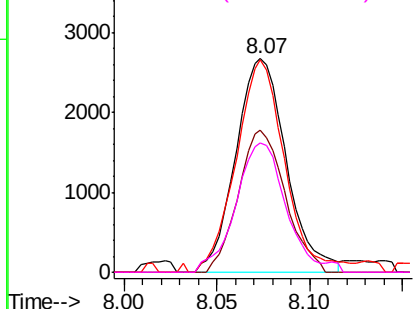
#45
 1,1,2-Trichloroethane
 Concen: 0.956 ug/L
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00142

Tgt Ion: 97 Resp: 5074
 Ion Ratio Lower Upper
 97 100
 99 66.3 43.5 80.7
 83 99.4 62.0 115.2
 85 60.6 40.5 75.1

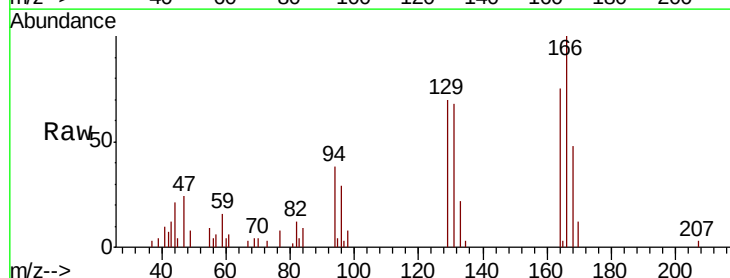


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

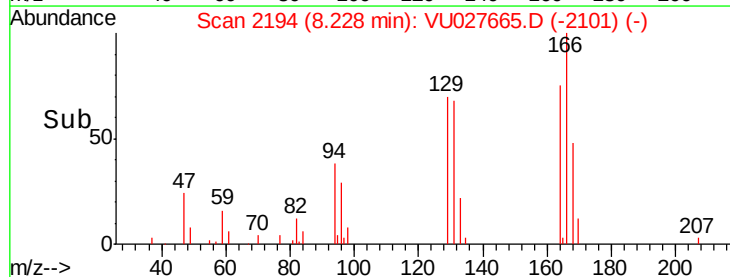
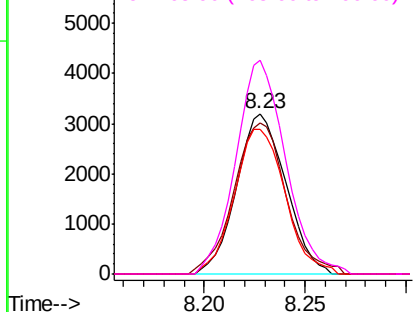


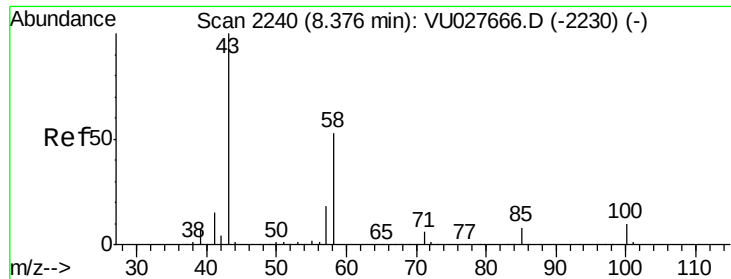
#47
 Tetrachloroethene
 Concen: 0.921 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

Tgt Ion: 164 Resp: 5473
 Ion Ratio Lower Upper
 164 100
 129 93.8 67.3 124.9
 131 90.1 64.8 120.3
 166 133.1 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

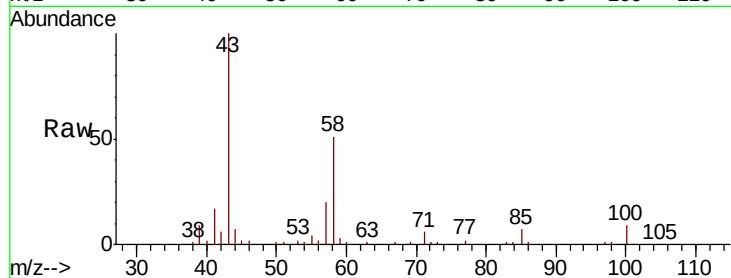




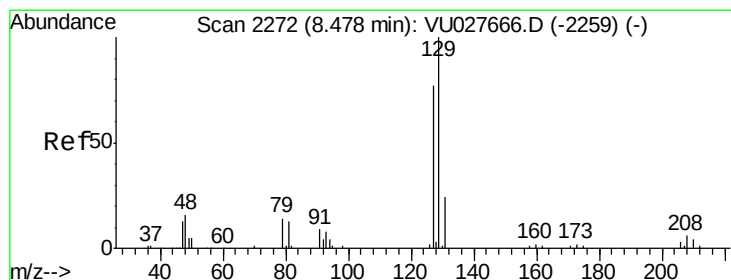
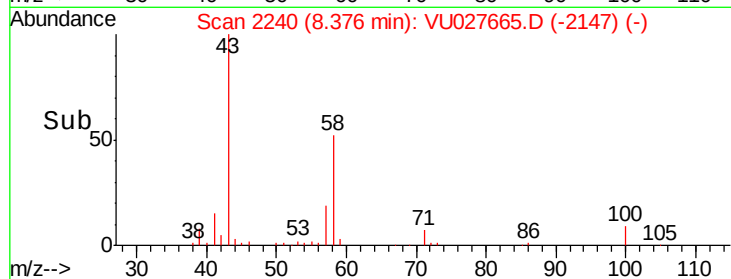
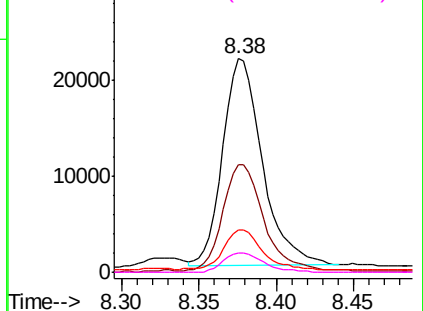
#48
2-Hexanone
Concen: 9.640 ug/L
RT: 8.38 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00142

Tgt Ion:	43	Resp:	38485
Ion	Ratio	Lower	Upper
43	100		
58	53.3	42.7	64.1
57	19.3	14.5	21.7
100	9.5	8.1	12.1

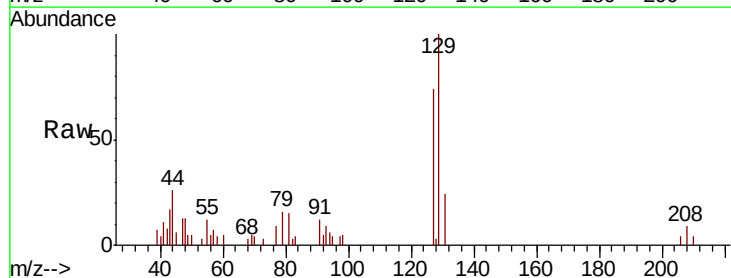


Abundance Ion 43.05 (42.75 to 43.75): VU027665.D (-2147) (-)
Ion 58.05 (57.75 to 58.75): VU027665.D (-2147) (-)
Ion 57.20 (56.90 to 57.90): VU027665.D (-2147) (-)
Ion 100.15 (99.85 to 100.85): VU027665.D (-2147) (-)

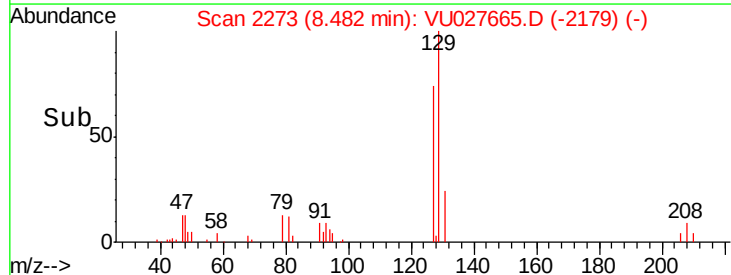
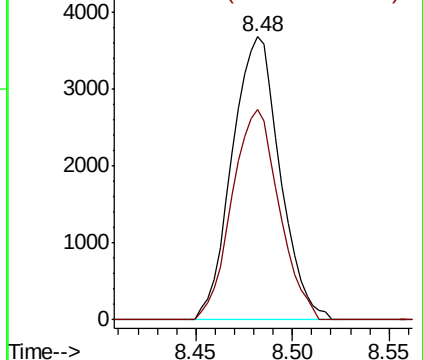


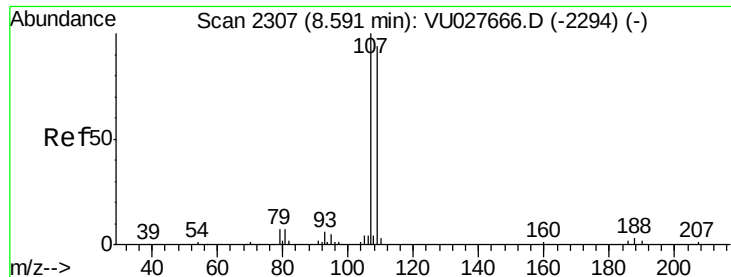
#49
Dibromochloromethane
Concen: 0.959 ug/L
RT: 8.48 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

Tgt Ion:	129	Resp:	6328
Ion	Ratio	Lower	Upper
129	100		
127	74.4	54.1	100.5



Abundance Ion 128.95 (128.65 to 129.65): VU027665.D (-2179) (-)
Ion 126.90 (126.60 to 127.60): VU027665.D (-2179) (-)

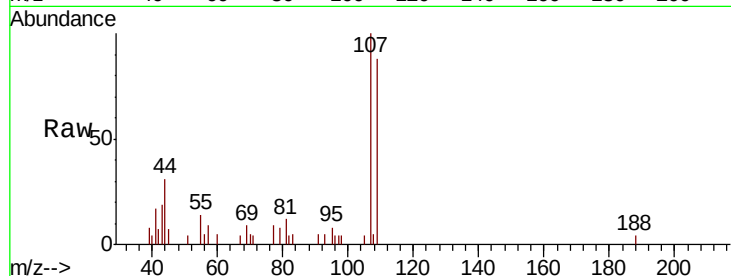




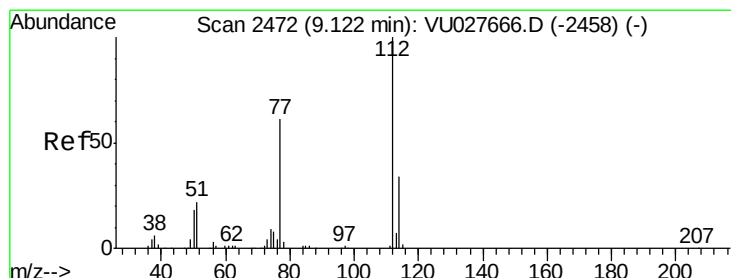
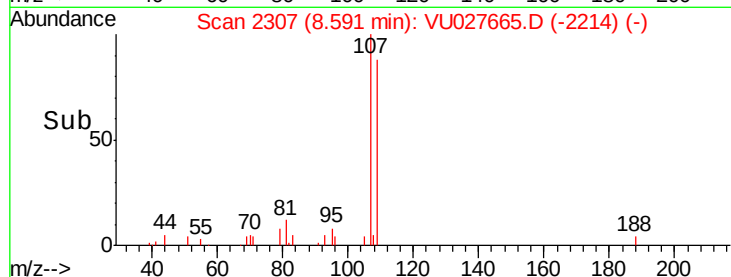
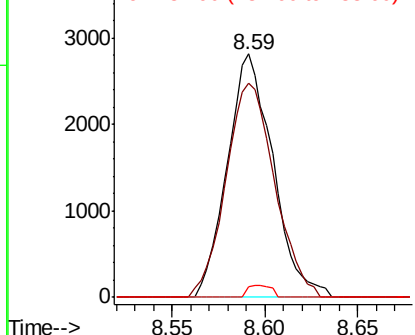
#50
1,2-Dibromoethane
Concen: 0.965 ug/L
RT: 8.59 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00142

Tgt Ion:107 Resp: 4800
Ion Ratio Lower Upper
107 100
109 88.1 66.1 122.7
188 4.3 2.6 4.0#

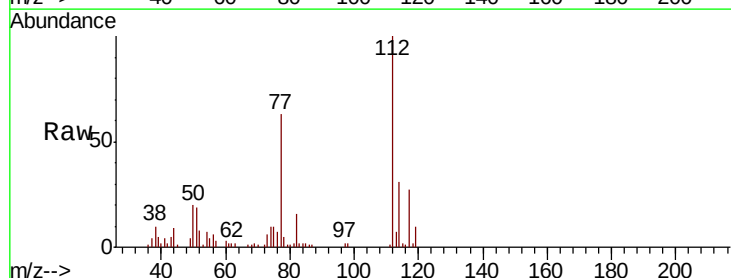


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

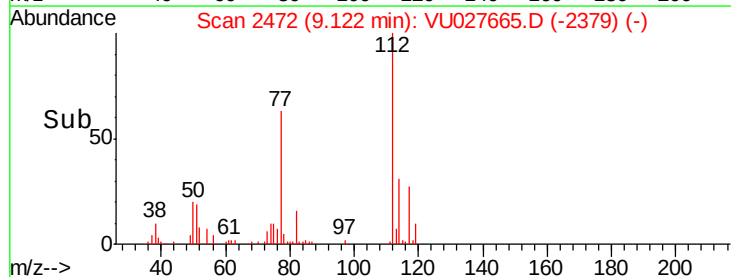
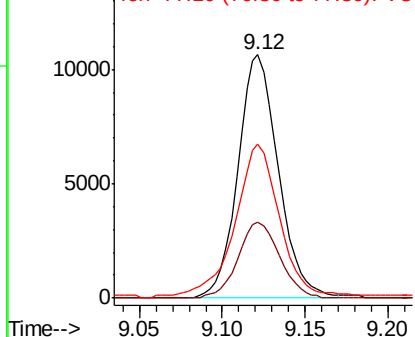


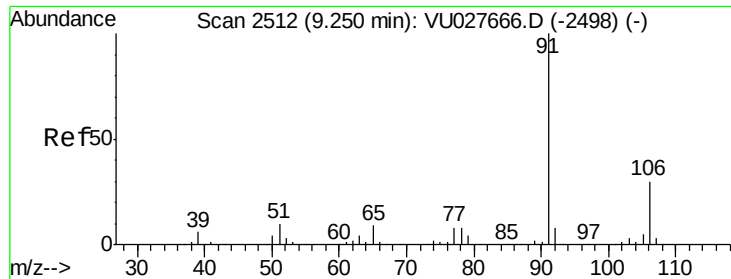
#51
Chlorobenzene
Concen: 0.953 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

Tgt Ion:112 Resp: 18056
Ion Ratio Lower Upper
112 100
114 31.2 23.4 43.6
77 63.4 49.5 74.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.964 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

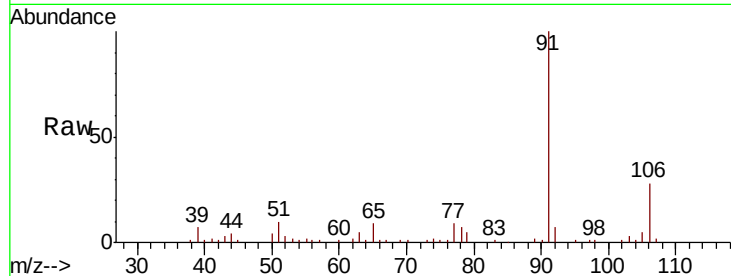
VSTD00142

Tgt Ion: 91 Resp: 33009

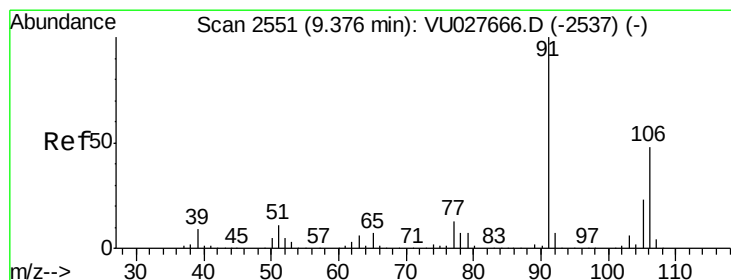
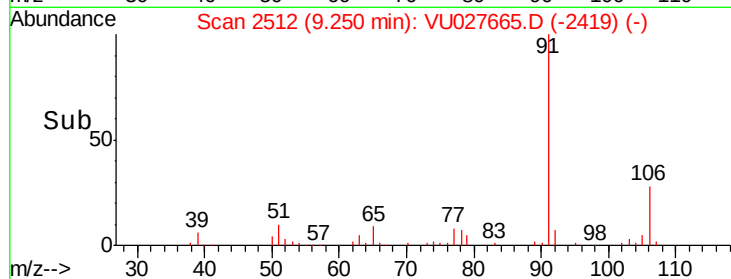
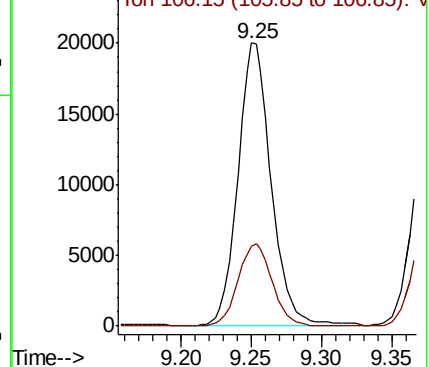
Ion Ratio Lower Upper

91 100

106 28.4 20.9 38.9



Abundance Ion 91.15 (90.85 to 91.85): VU027666.D (-2498) (-)



#53

m,p-xylene

Concen: 0.981 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027665.D

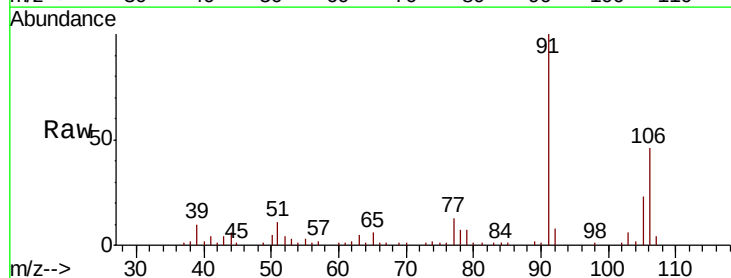
Acq: 17 Oct 2018 08:38

Tgt Ion: 106 Resp: 12493

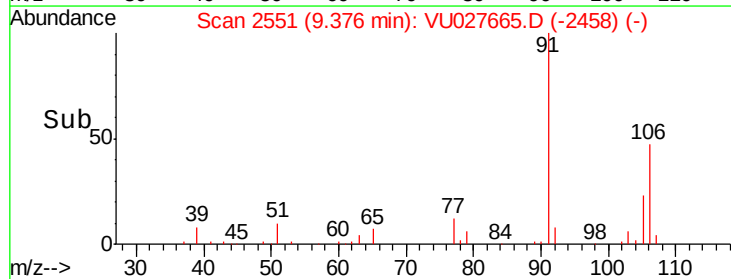
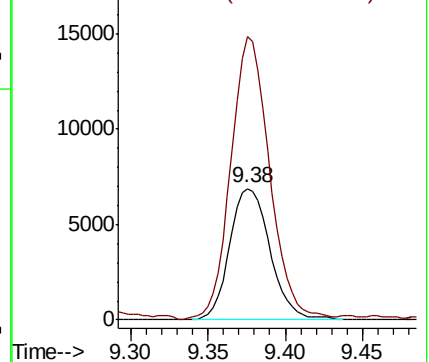
Ion Ratio Lower Upper

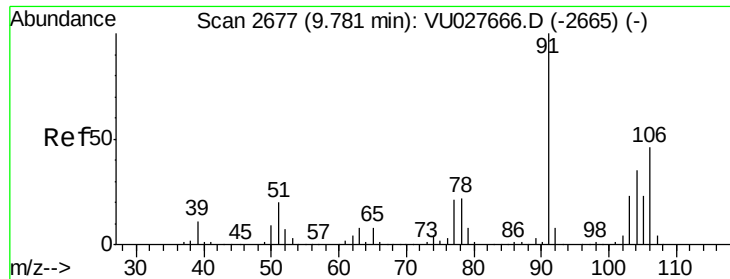
106 100

91 215.4 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): VU027666.D (-2537) (-)





#54

o-xylene

Concen: 0.941 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

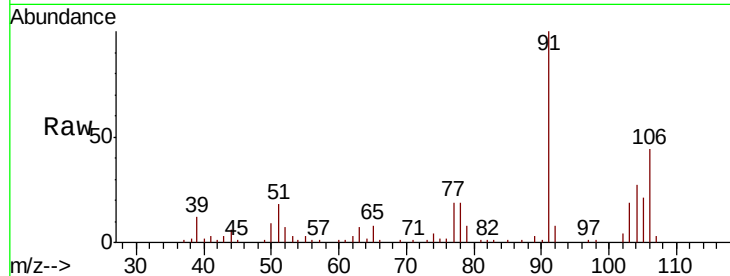
VSTD00142

Tgt Ion:106 Resp: 11770

Ion Ratio Lower Upper

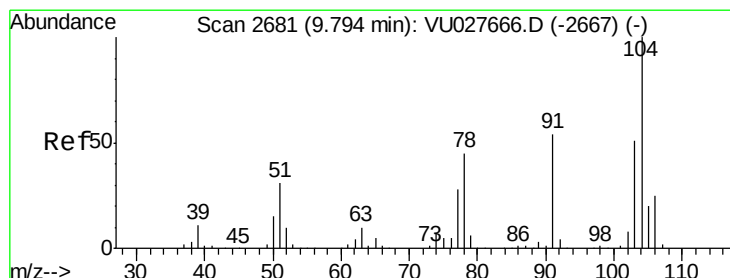
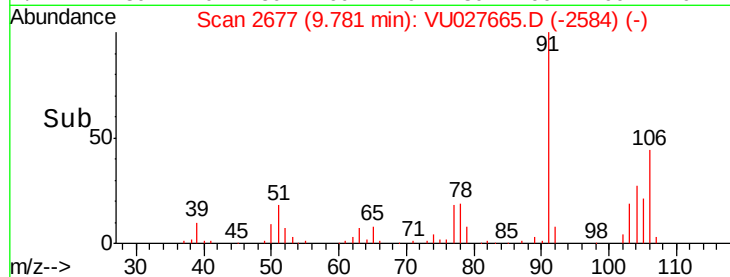
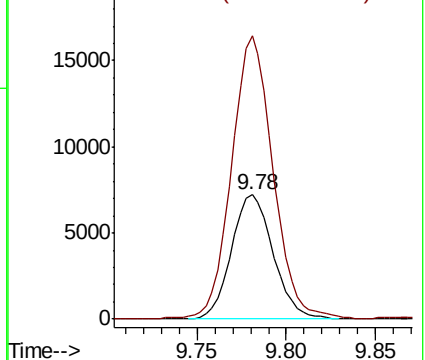
106 100

91 227.4 153.5 285.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.938 ug/L

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027665.D

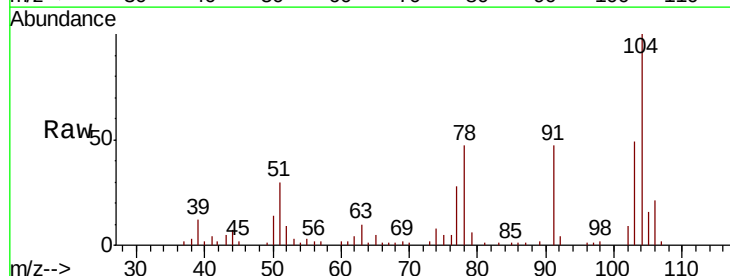
Acq: 17 Oct 2018 08:38

Tgt Ion:104 Resp: 19717

Ion Ratio Lower Upper

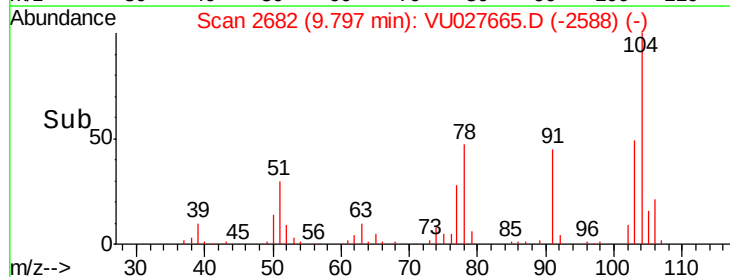
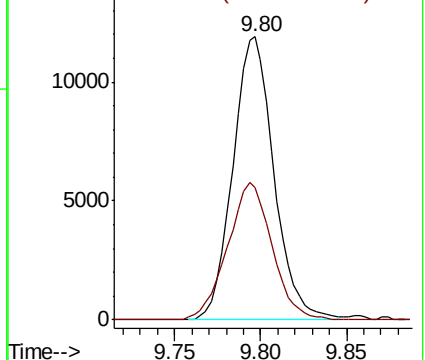
104 100

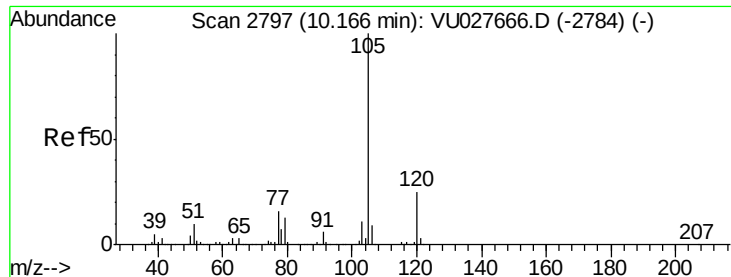
78 46.7 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.951 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00142

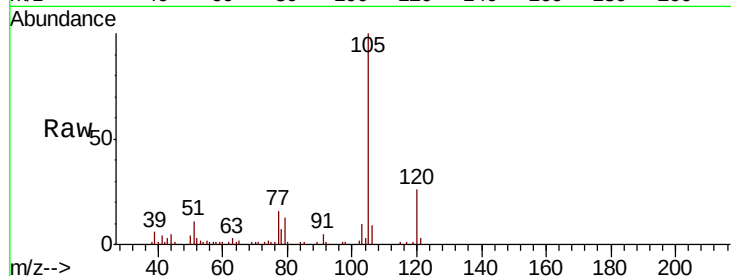
Tgt Ion:105 Resp: 31641

Ion Ratio Lower Upper

105 100

120 26.5 20.8 31.2

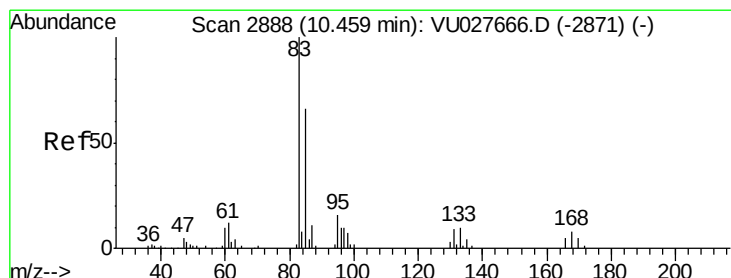
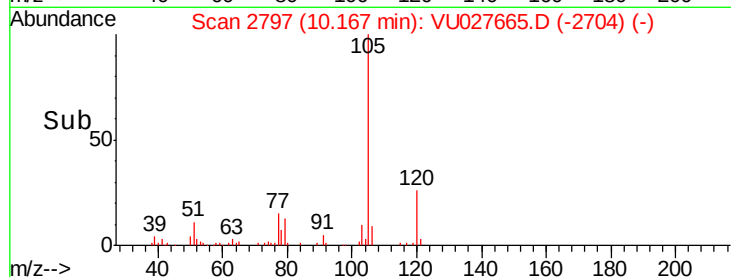
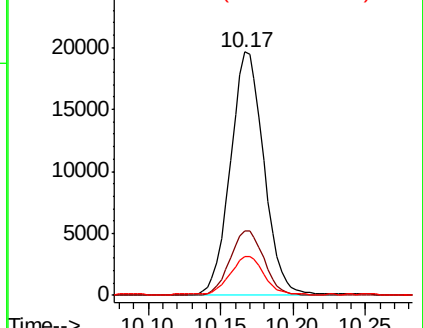
77 16.5 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.950 ug/L

RT: 10.46 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

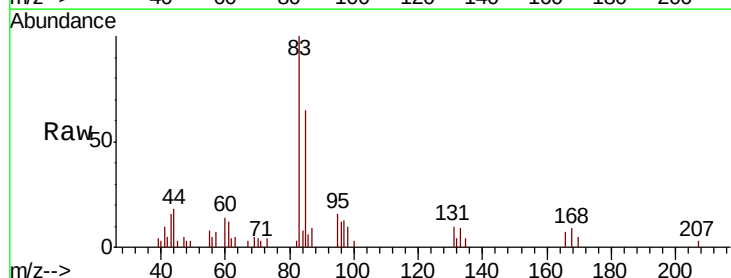
Tgt Ion: 83 Resp: 6597

Ion Ratio Lower Upper

83 100

85 65.2 46.1 85.7

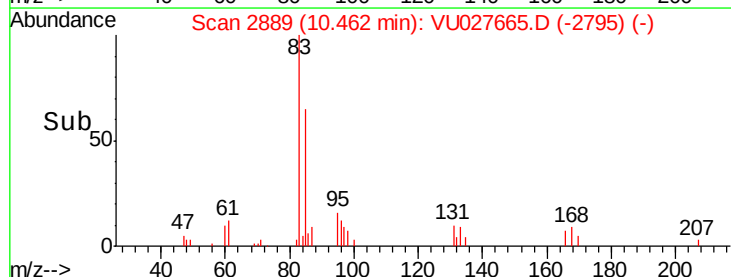
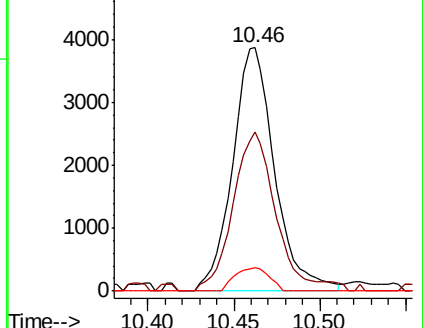
131 9.7 7.0 10.4

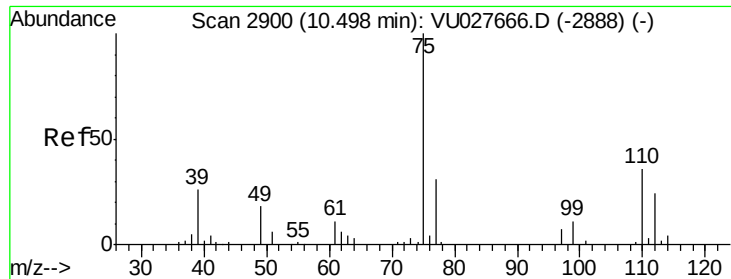


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

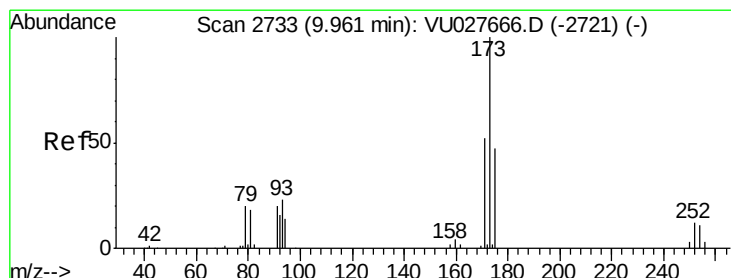
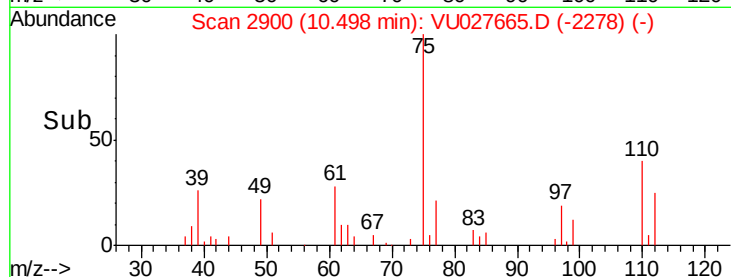
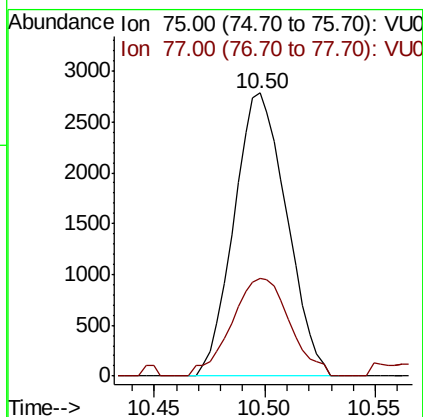
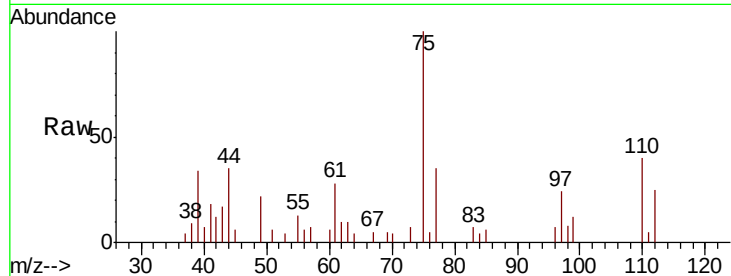




#59
 1,2,3-Trichloropropane
 Concen: 0.970 ug/L
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

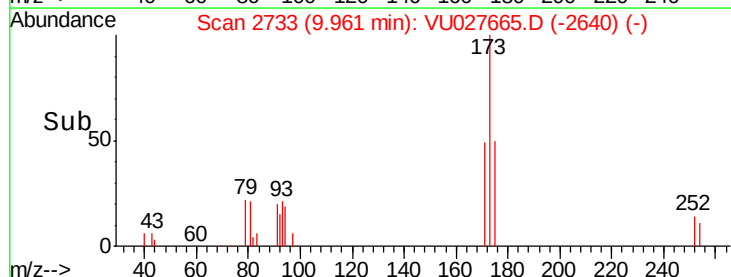
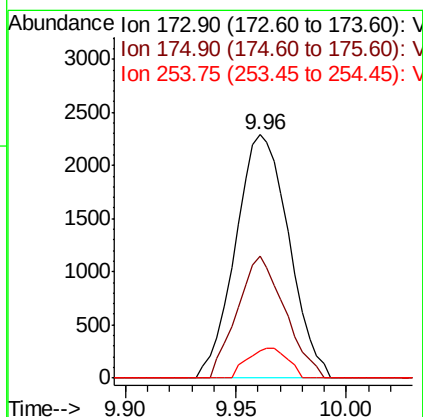
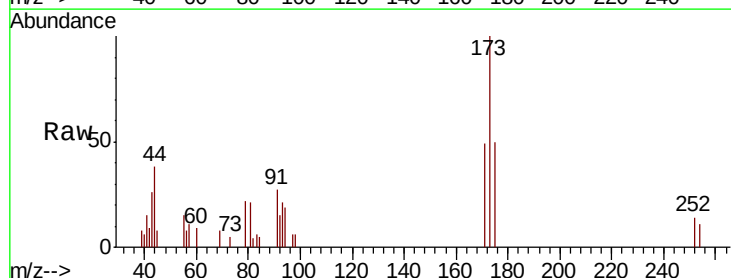
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00142

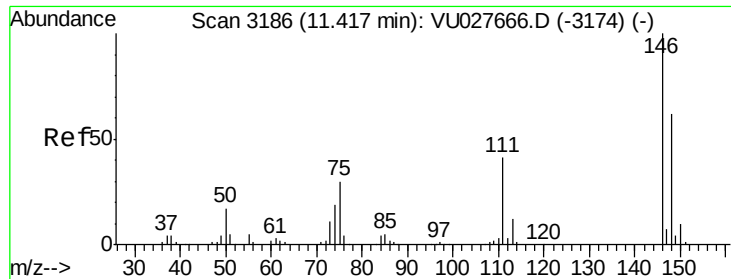
Tgt Ion: 75 Resp: 4603
 Ion Ratio Lower Upper
 75 100
 77 38.2 26.9 40.3



#61
 Bromoform
 Concen: 1.001 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

Tgt Ion: 173 Resp: 3840
 Ion Ratio Lower Upper
 173 100
 175 44.8 38.2 57.2
 254 9.3 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 0.981 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD00142

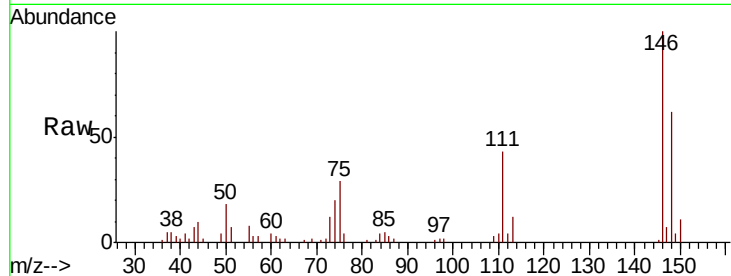
Tgt Ion:146 Resp: 13940

Ion Ratio Lower Upper

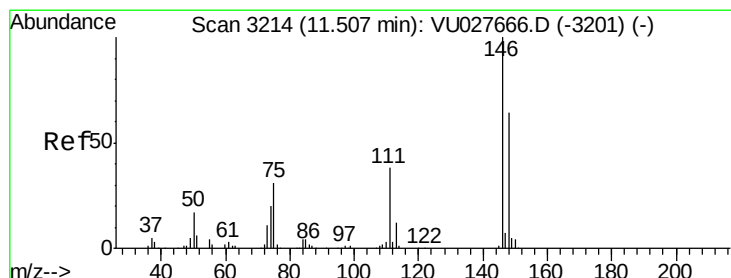
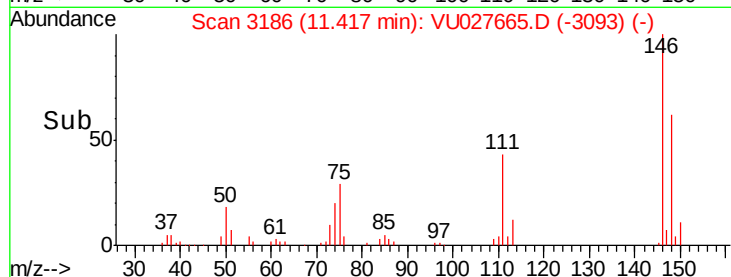
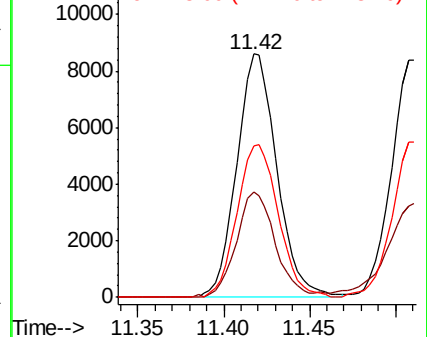
146 100

111 43.4 28.6 53.0

148 62.4 43.6 81.0



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.983 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027665.D

Acq: 17 Oct 2018 08:38

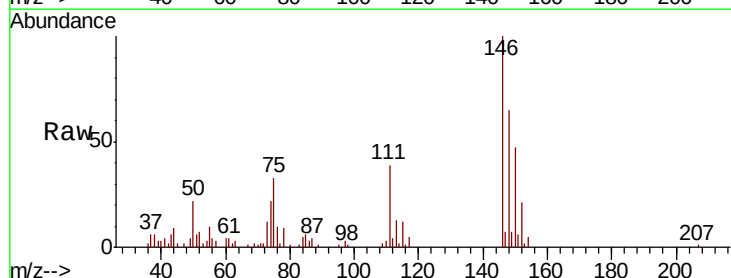
Tgt Ion:146 Resp: 14020

Ion Ratio Lower Upper

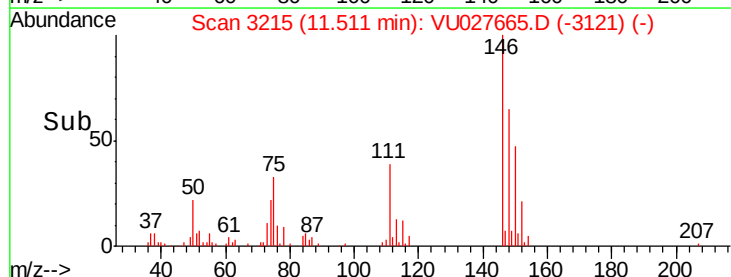
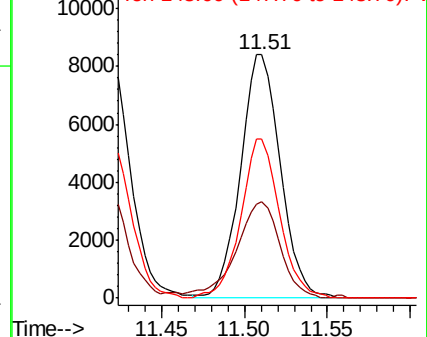
146 100

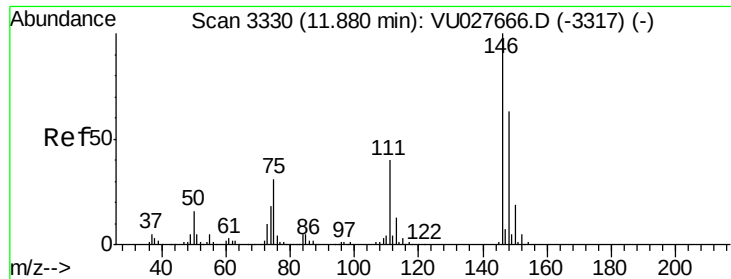
111 39.4 26.5 49.1

148 65.4 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

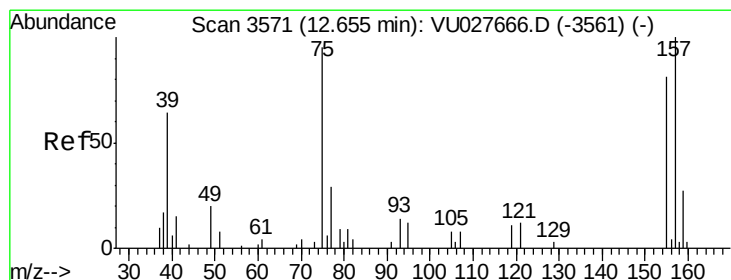
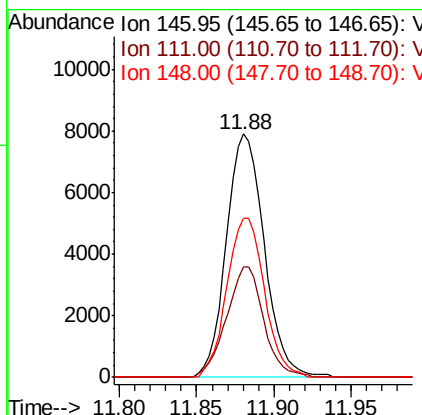
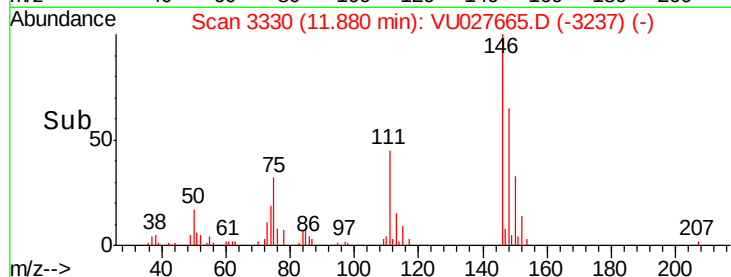
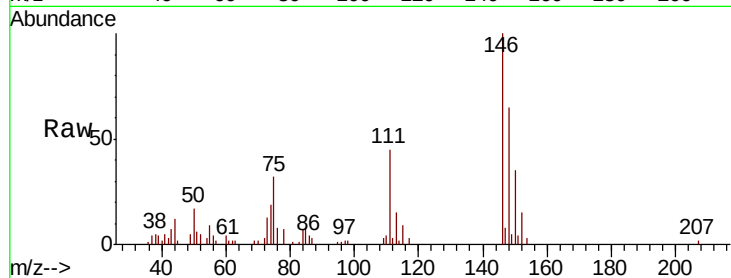




#65
 1,2-Dichlorobenzene
 Concen: 0.984 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

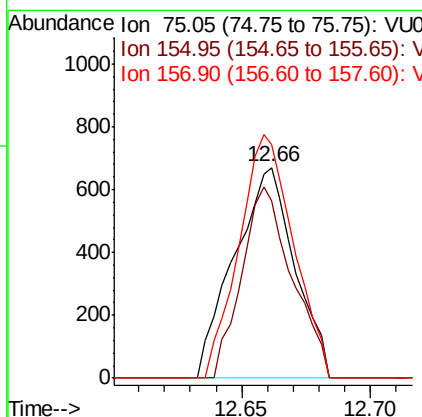
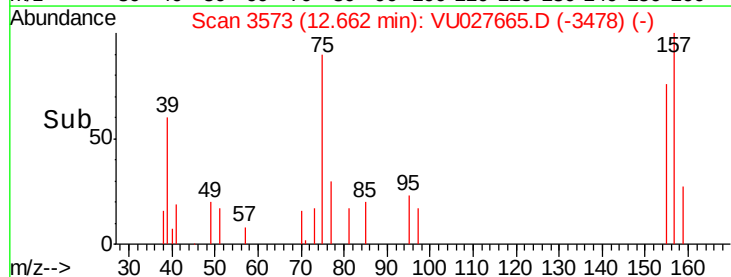
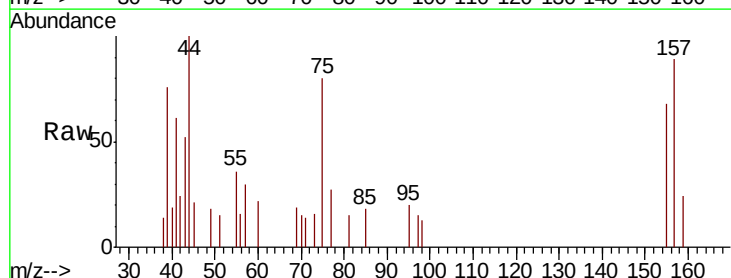
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00142

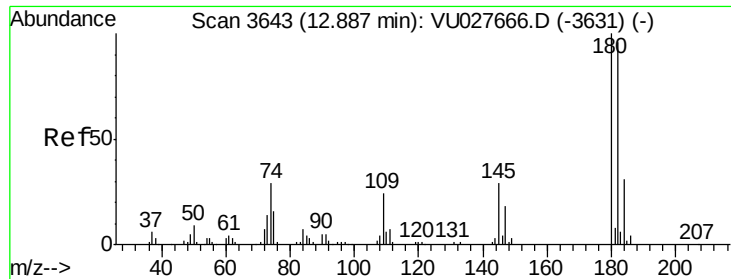
Tgt Ion: 146 Resp: 13436
 Ion Ratio Lower Upper
 146 100
 111 45.2 31.7 47.5
 148 65.3 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.976 ug/L
 RT: 12.66 min Scan# 3573
 Delta R.T. 0.01 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

Tgt Ion: 75 Resp: 1097
 Ion Ratio Lower Upper
 75 100
 155 84.1 68.3 102.5
 157 110.7 84.6 127.0

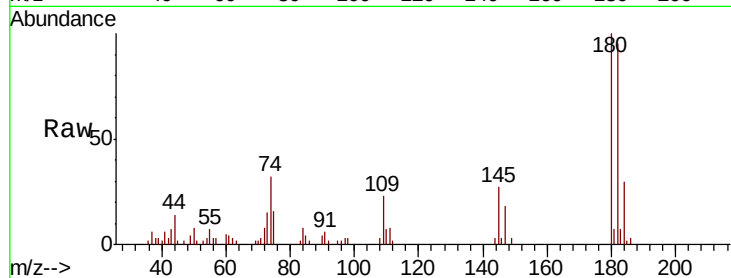




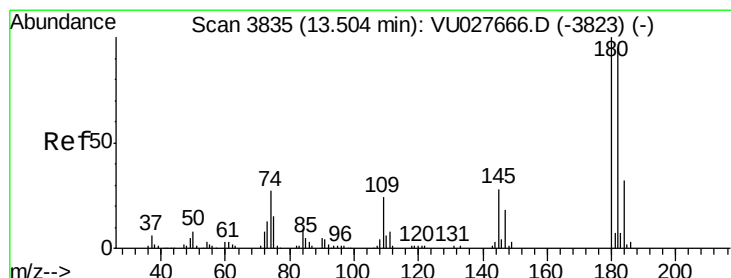
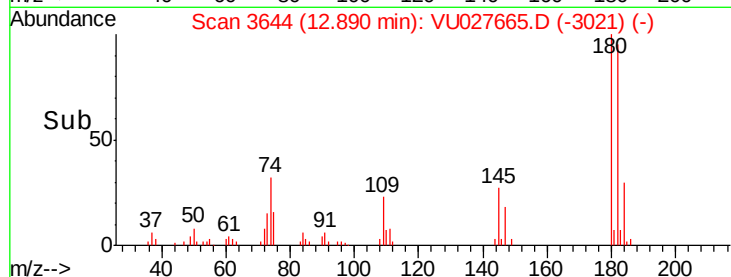
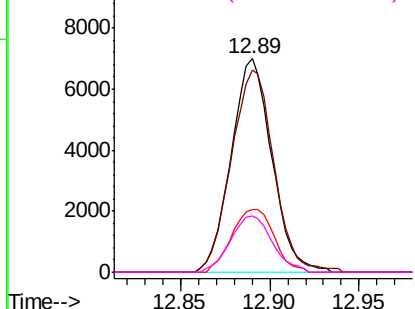
#67
 1,3,5-Trichlorobenzene
 Concen: 0.962 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00142

Tgt Ion:	180	Resp:	11095
Ion	Ratio	Lower	Upper
180	100		
182	99.0	77.0	115.4
184	30.4	24.2	36.2
145	27.2	22.6	33.8

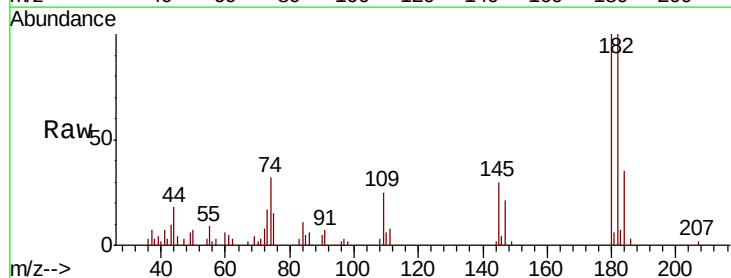


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

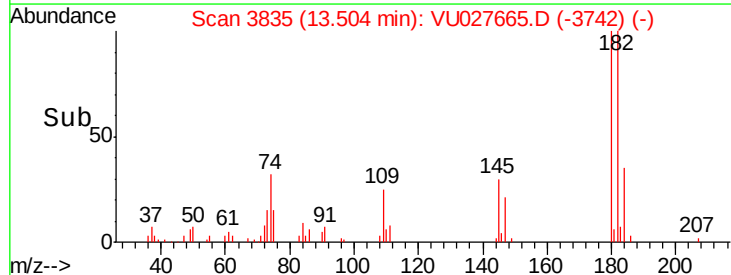
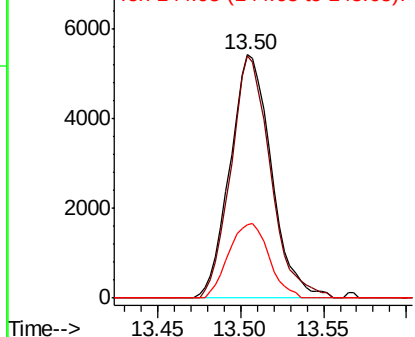


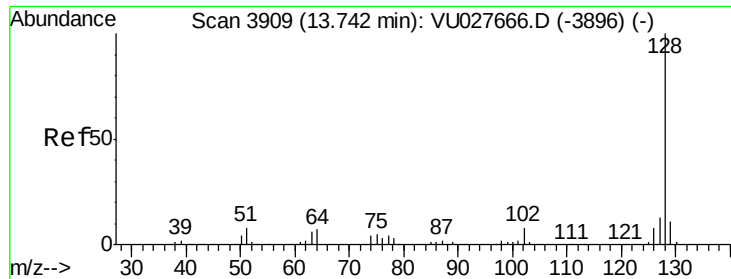
#68
 1,2,4-trichlorobenzene
 Concen: 0.944 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027665.D
 Acq: 17 Oct 2018 08:38

Tgt Ion:	180	Resp:	9391
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	29.8	22.2	33.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

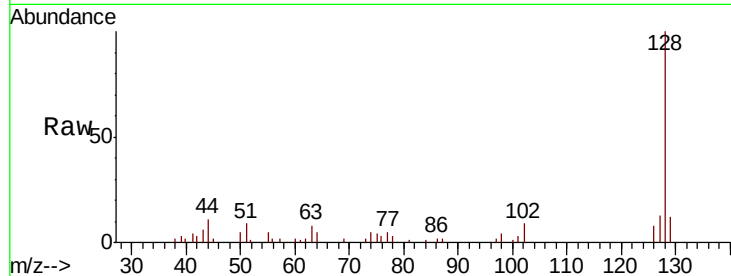




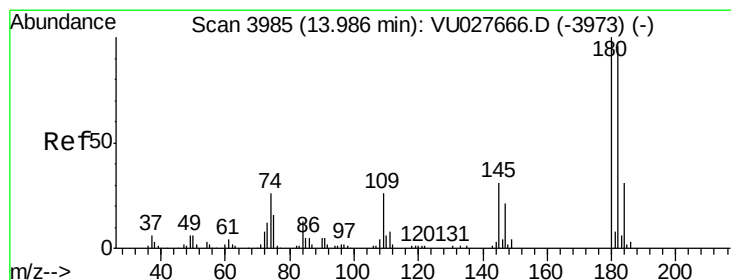
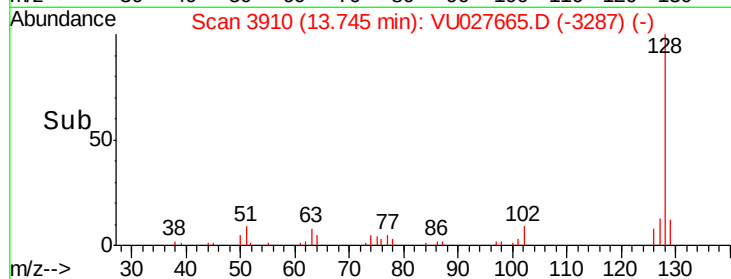
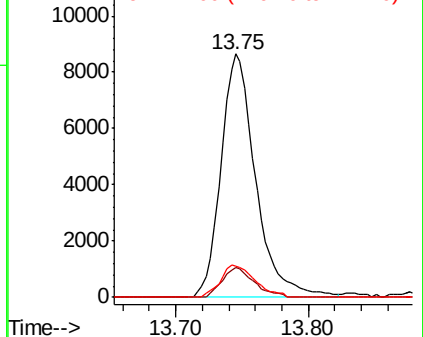
#69
Naphthalene
Concen: 0.945 ug/L
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD00142

Tgt Ion:128 Resp: 15710
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.1 10.5 15.7

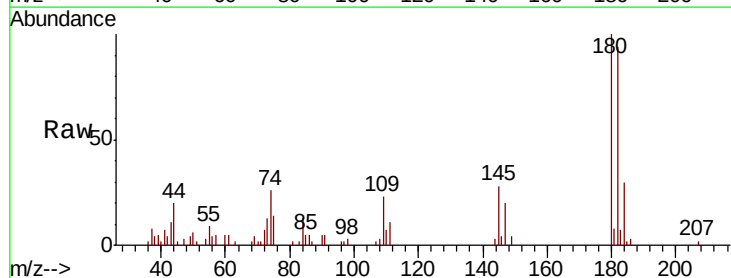


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 0.991 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027665.D
Acq: 17 Oct 2018 08:38

Tgt Ion:180 Resp: 9207
Ion Ratio Lower Upper
180 100
182 94.5 75.8 113.6
145 28.5 24.4 36.6



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

