

Data File : VU027772.D
Acq On : 24 Oct 2018 09:22
Operator : MD/SY
Sample : VSTD00544
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

Quant Time: Oct 25 04:15:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 25 04:12:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	42161	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	41395	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	21174	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	16875	4.91	ug/L	0.00
7) Chloroethane-d5	1.68	69	13144	5.05	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	32839	4.99	ug/L	0.00
20) 2-Butanone-d5	4.20	46	52505	50.25	ug/L	0.00
24) Chloroform-d	4.65	84	30785	5.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	18196	4.98	ug/L	0.00
32) Benzene-d6	5.34	84	55606	5.04	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	20052	5.12	ug/L	0.00
41) Toluene-d8	7.57	98	54450	5.17	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	8226	5.17	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	45287	51.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	14933	5.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	19619	4.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	20230	4.948 ug/L	100
3) Chloromethane	1.33	50	22363	4.871 ug/L	100
5) Vinyl chloride	1.40	62	21785	4.929 ug/L	100
6) Bromomethane	1.63	94	11157	4.925 ug/L	100
8) Chloroethane	1.70	64	12242	5.125 ug/L	100
9) Trichlorofluoromethane	1.89	101	29578	5.063 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	14999	5.086 ug/L	100
12) 1,1-Dichloroethene	2.29	96	13753	5.004 ug/L	100
13) Acetone	2.33	43	35775	47.490 ug/L	100
14) Carbon disulfide	2.48	76	45963	4.872 ug/L	100
15) Methyl Acetate	2.62	43	8715	4.135 ug/L	100
16) Methylene chloride	2.70	84	15558	4.800 ug/L	100
17) Methyl tert-butyl Ether	3.01	73	43425	4.936 ug/L	100
18) trans-1,2-Dichloroethene	2.99	96	14770	5.015 ug/L	100
19) 1,1-Dichloroethane	3.45	63	31162	4.786 ug/L	100
21) 2-Butanone	4.29	43	60584	49.015 ug/L	100
22) cis-1,2-Dichloroethene	4.23	96	17253	4.932 ug/L	100
23) Bromochloromethane	4.55	128	6946	4.898 ug/L	100
25) Chloroform	4.68	83	32726	4.991 ug/L	100
27) 1,2-Dichloroethane	5.41	62	24179	4.992 ug/L	100
29) 1,1,1-Trichloroethane	4.92	97	29921	5.025 ug/L	100
30) Cyclohexane	4.99	56	32620	4.891 ug/L	100
31) Carbon tetrachloride	5.13	117	25816	5.053 ug/L	100
33) Benzene	5.39	78	68413	4.973 ug/L	100
34) Trichloroethene	6.19	95	18461	5.180 ug/L	100
35) Methylcyclohexane	6.41	83	30269	5.083 ug/L	100
37) 1,2-Dichloropropane	6.44	63	19486	4.824 ug/L	100
38) Bromodichloromethane	6.76	83	24470	5.074 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	29350	5.073 ug/L	100
40) 4-Methyl-2-pentanone	7.47	43	151270	50.098 ug/L	100

Data File : VU027772.D
Acq On : 24 Oct 2018 09:22
Operator : MD/SY
Sample : VSTD00544
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

Quant Time: Oct 25 04:15:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 25 04:12:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	75064	5.069	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	24625	5.054	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	12736	5.225	ug/L	100
47) Tetrachloroethene	8.23	164	13756	4.752	ug/L	100
48) 2-Hexanone	8.37	43	107667	50.183	ug/L	100
49) Dibromochloromethane	8.48	129	15781	5.081	ug/L	100
50) 1,2-Dibromoethane	8.59	107	12377	5.224	ug/L	100
51) Chlorobenzene	9.12	112	45655	5.008	ug/L	100
52) Ethylbenzene	9.25	91	85537	4.980	ug/L	100
53) m,p-xylene	9.38	106	30612	5.031	ug/L	100
54) o-xylene	9.78	106	29802	5.014	ug/L	100
55) Styrene	9.79	104	51155	5.081	ug/L	100
56) Isopropylbenzene	10.17	105	82643	5.021	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	16342	5.097	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	12180	4.789	ug/L	100
61) Bromoform	9.96	173	8881	4.987	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	36177	4.858	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	36207	4.815	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	34019	4.858	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	3079	5.521	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	28677	4.801	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	25603	4.934	ug/L	100
69) Naphthalene	13.74	128	42155	5.002	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	23809	4.980	ug/L	100

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

Data File : VU027772.D

Acq On : 24 Oct 2018 09:22

Operator : MD/SY

Sample : VSTD00544

Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

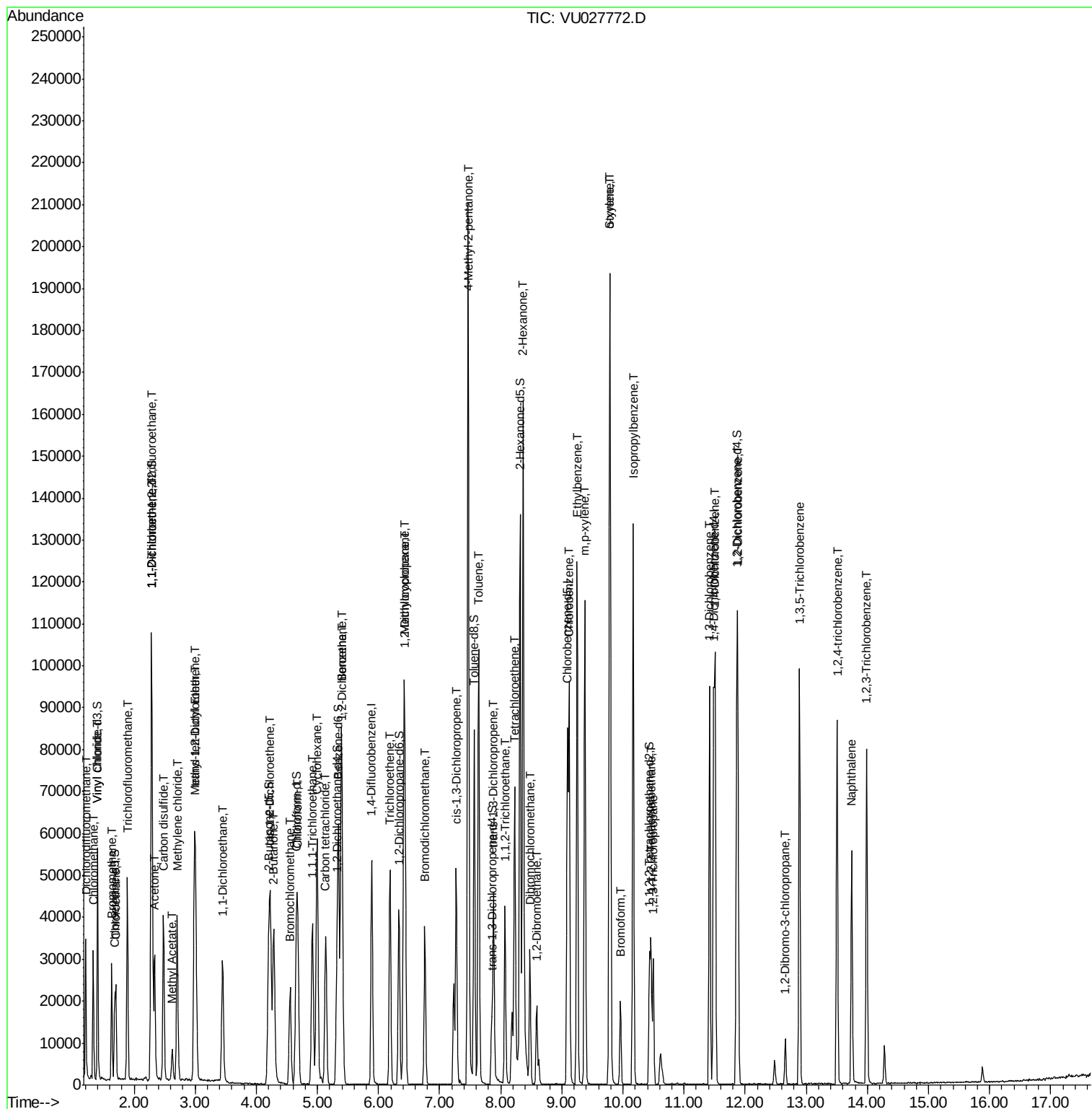
Quant Time: Oct 25 04:15:55 2018

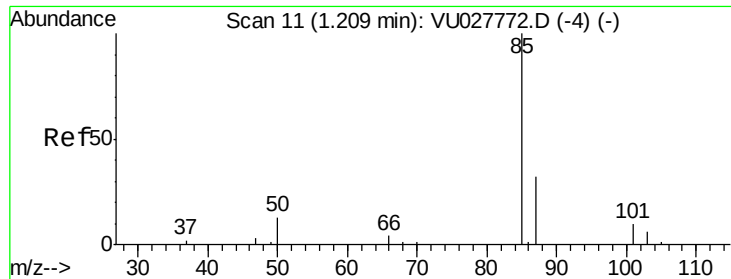
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR102418WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Oct 25 04:12:10 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.948 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

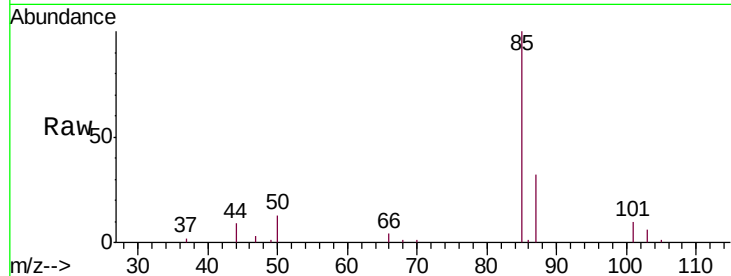
VSTD00544

Tgt Ion: 85 Resp: 20230

Ion Ratio Lower Upper

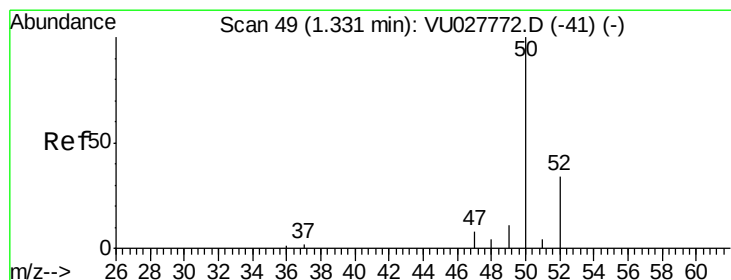
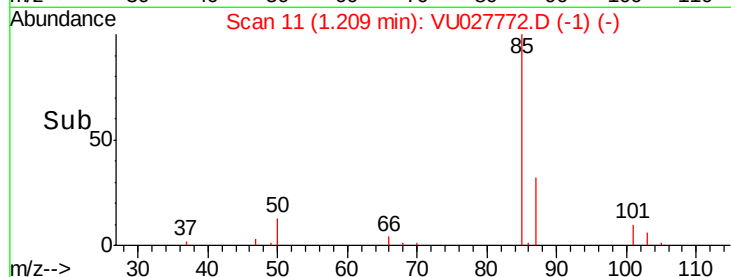
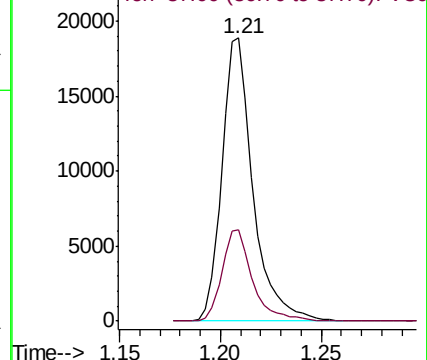
85 100

87 31.7 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: 4.871 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027772.D

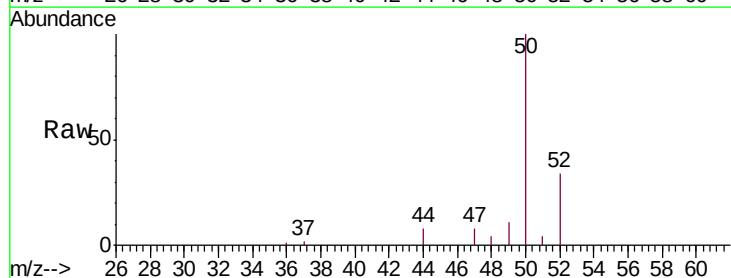
Acq: 24 Oct 2018 09:22

Tgt Ion: 50 Resp: 22363

Ion Ratio Lower Upper

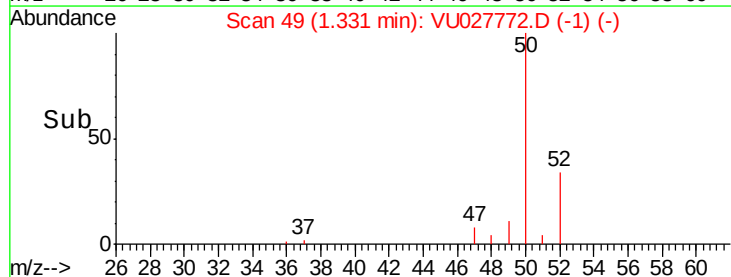
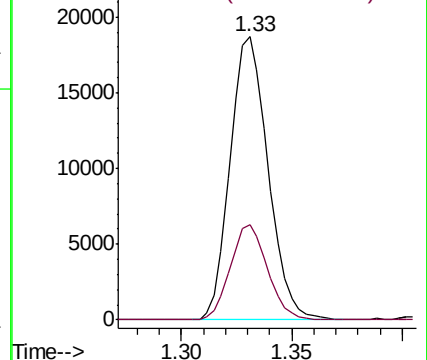
50 100

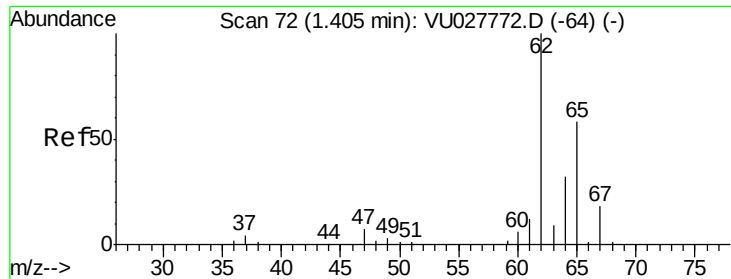
52 33.8 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.929 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

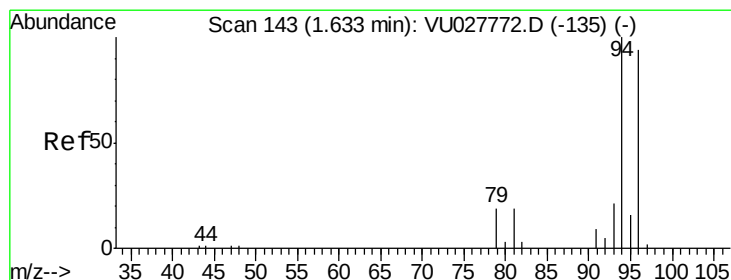
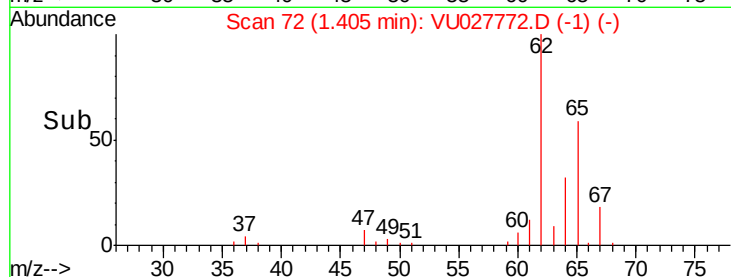
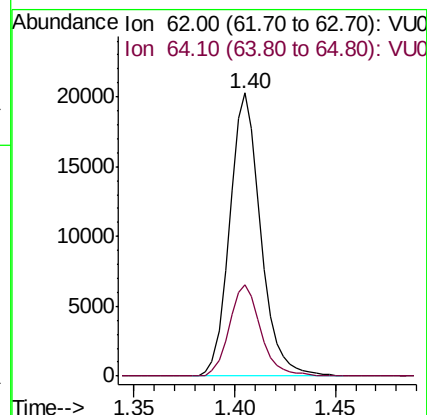
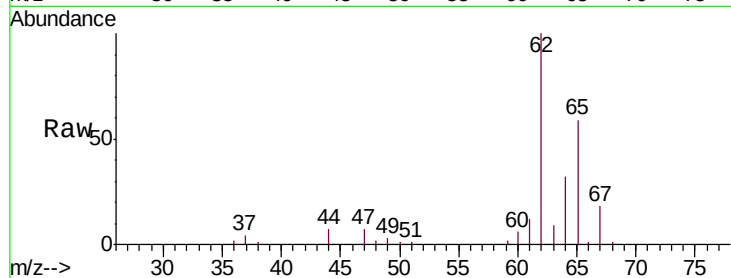
VSTD00544

Tgt Ion: 62 Resp: 21785

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



#6

Bromomethane

Concen: 4.925 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027772.D

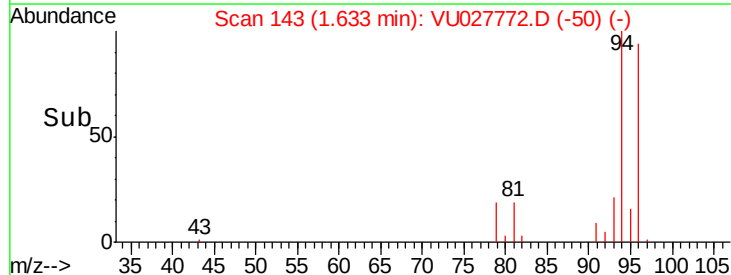
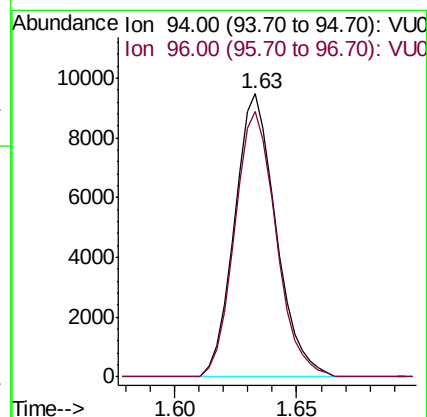
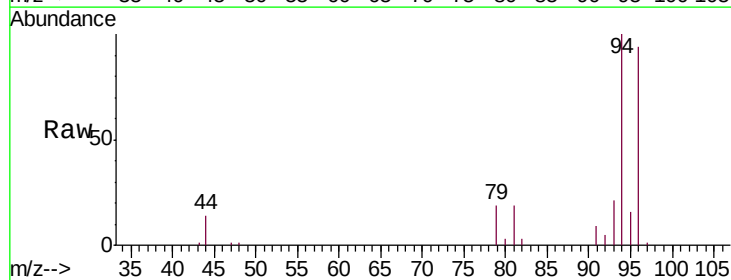
Acq: 24 Oct 2018 09:22

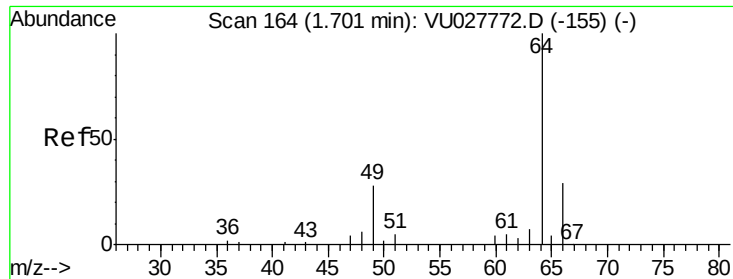
Tgt Ion: 94 Resp: 11157

Ion Ratio Lower Upper

94 100

96 93.6 65.5 121.7

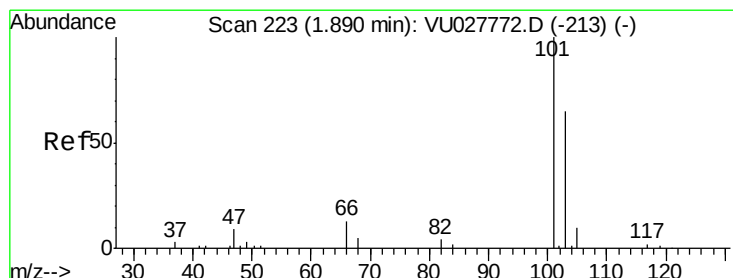
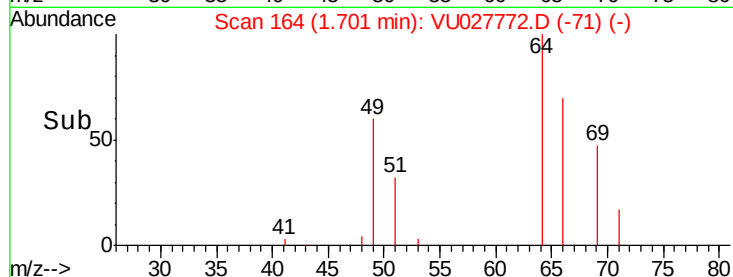
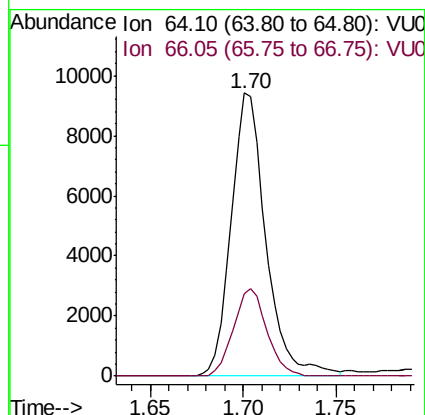
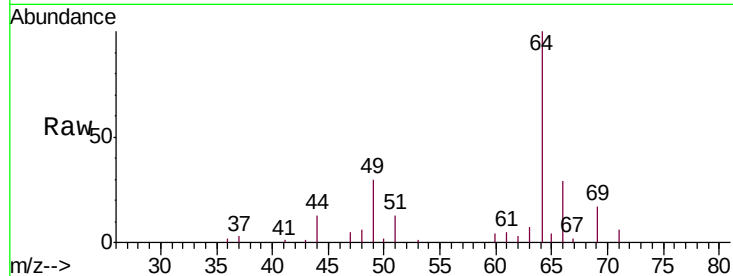




#8
Chloroethane
Concen: 5.125 ug/L
RT: 1.70 min Scan# 164
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

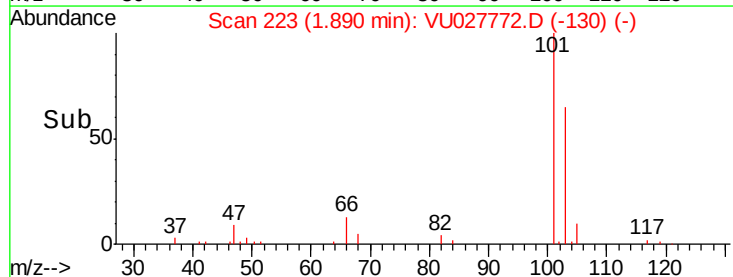
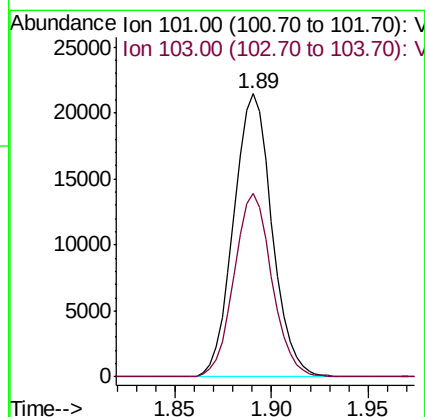
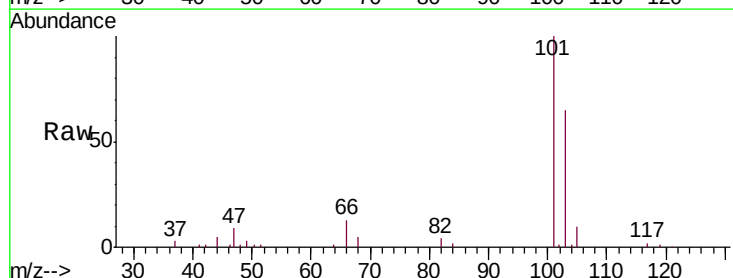
Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

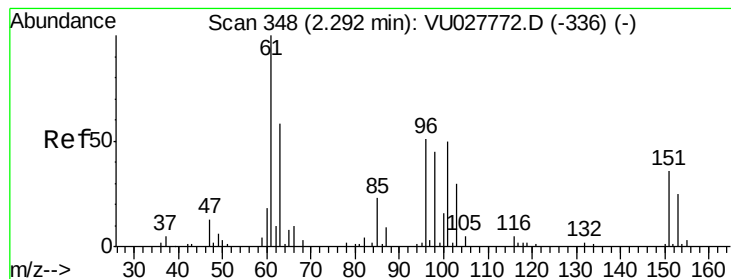
Tgt Ion: 64 Resp: 12242
Ion Ratio Lower Upper
64 100
66 29.0 20.3 37.7



#9
Trichlorofluoromethane
Concen: 5.063 ug/L
RT: 1.89 min Scan# 223
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

Tgt Ion: 101 Resp: 29578
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.4





#10

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

Concen: 5.086 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampled :

VSTD00544

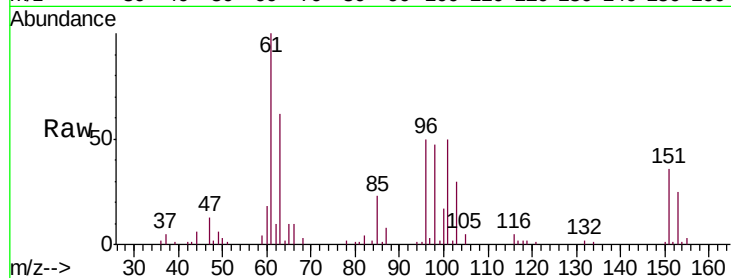
Tgt Ion: 101 Resp: 14999

Ion Ratio Lower Upper

101 100

85 47.6 38.1 57.1

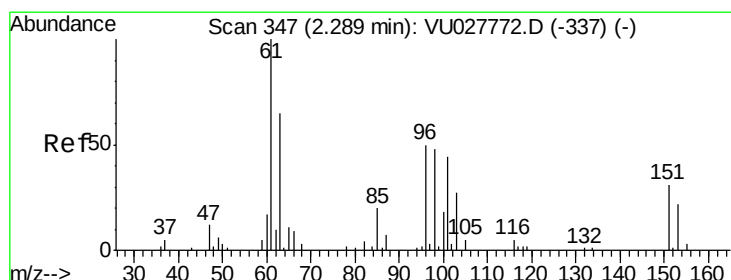
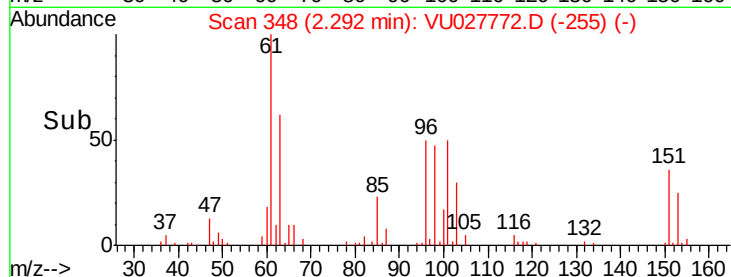
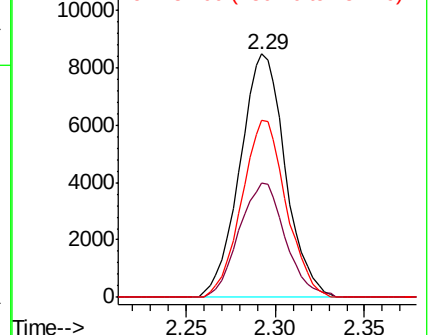
151 71.2 57.0 85.4



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: 5.004 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

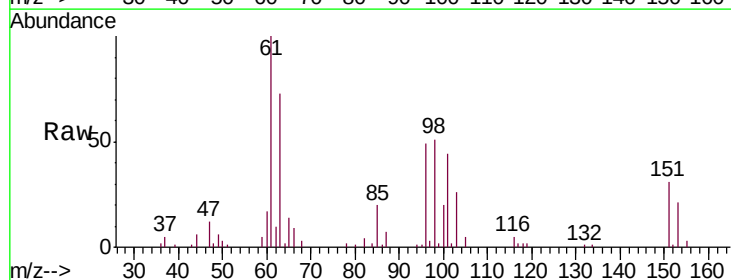
Tgt Ion: 96 Resp: 13753

Ion Ratio Lower Upper

96 100

61 205.4 143.8 267.0

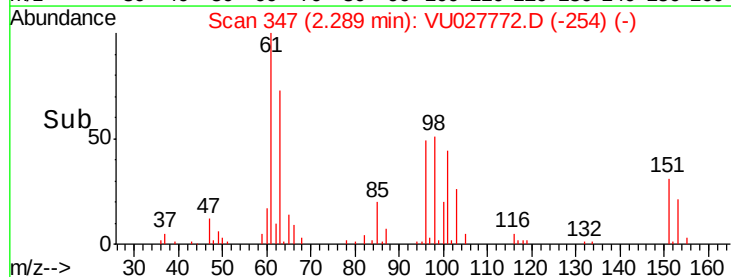
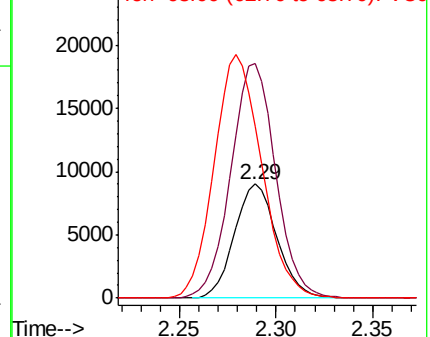
63 150.2 105.1 195.3

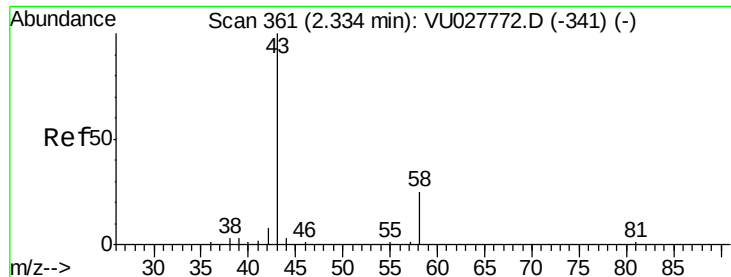


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.490 ug/L

RT: 2.33 min Scan# 361

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

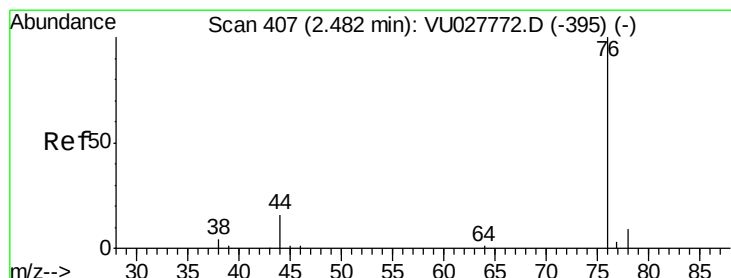
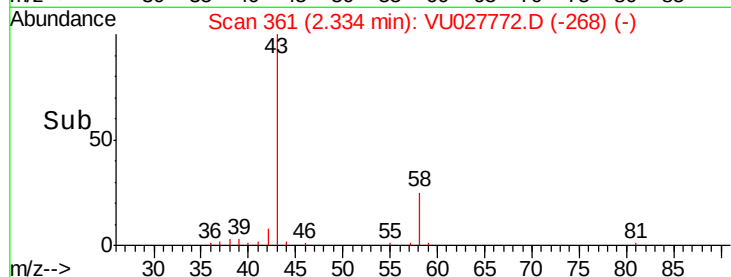
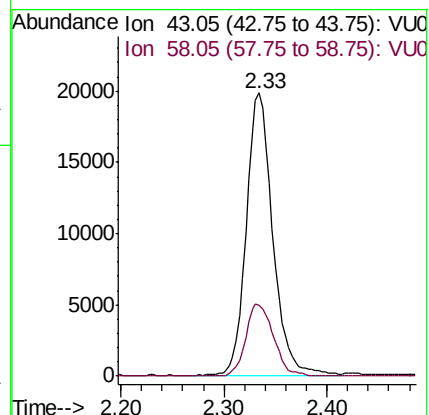
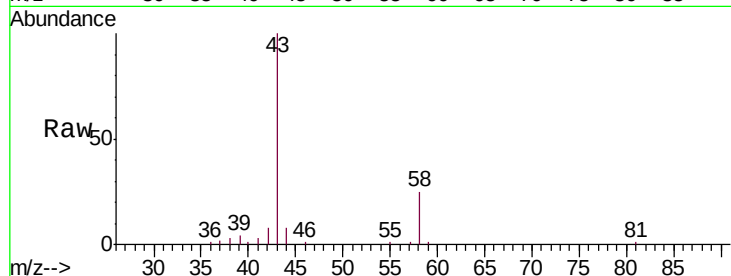
VSTD00544

Tgt Ion: 43 Resp: 35775

Ion Ratio Lower Upper

43 100

58 26.4 0.0 52.8



#14

Carbon disulfide

Concen: 4.872 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027772.D

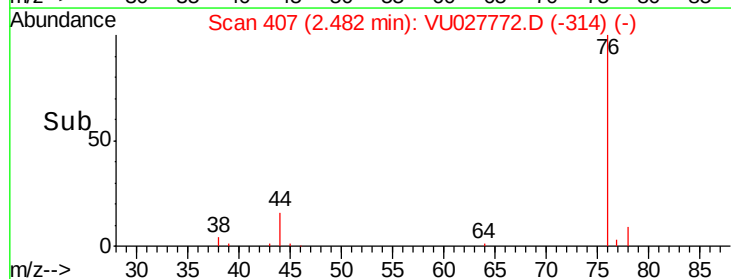
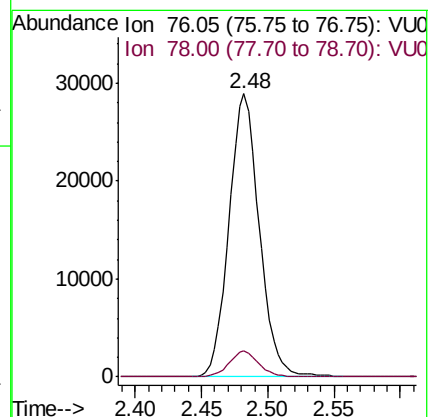
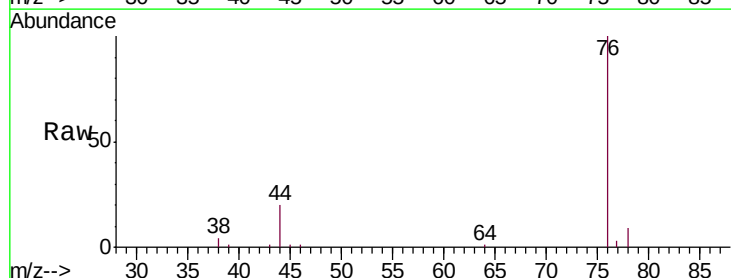
Acq: 24 Oct 2018 09:22

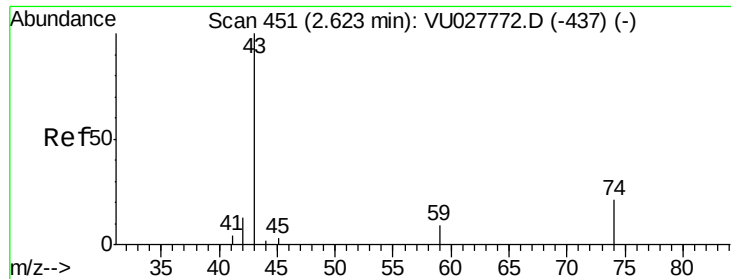
Tgt Ion: 76 Resp: 45963

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0





#15

Methyl Acetate

Concen: 4.135 ug/L

RT: 2.62 min Scan# 451

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

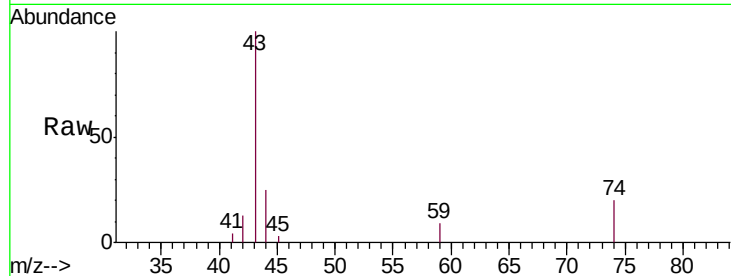
VSTD00544

Tgt Ion: 43 Resp: 8715

Ion Ratio Lower Upper

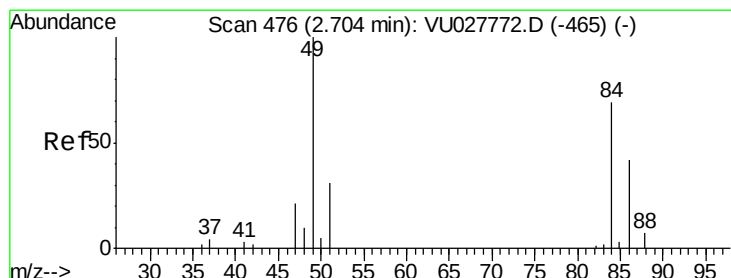
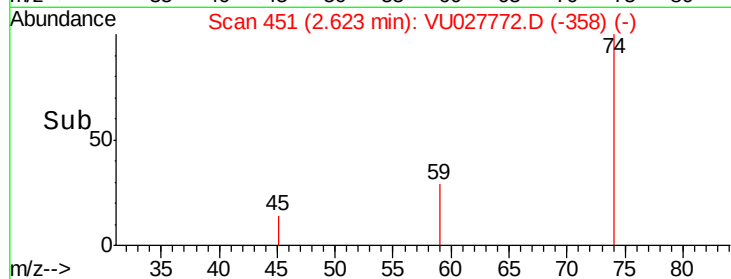
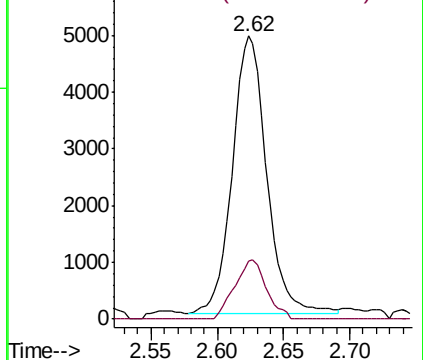
43 100

74 19.8 15.8 23.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.800 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

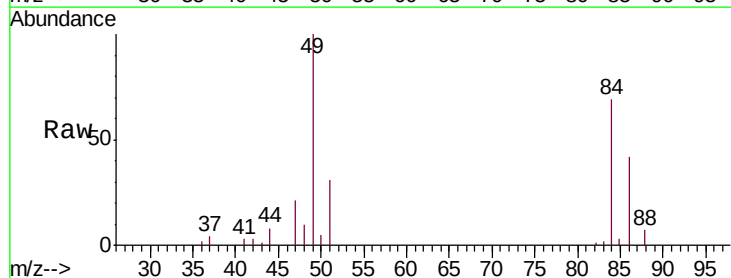
Tgt Ion: 84 Resp: 15558

Ion Ratio Lower Upper

84 100

86 61.1 42.8 79.4

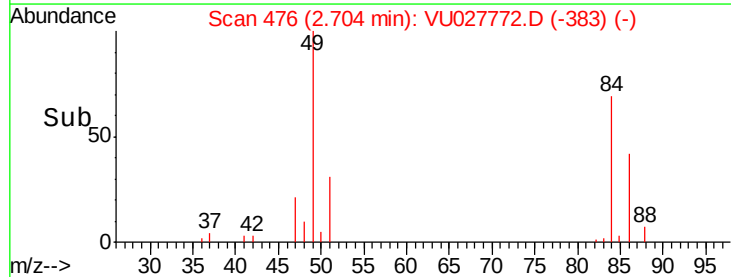
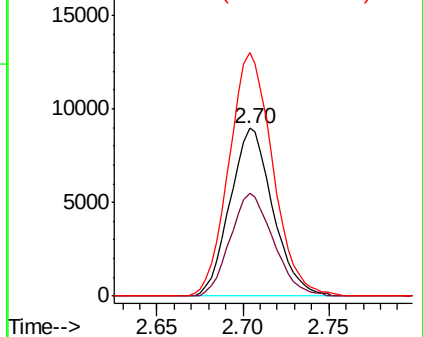
49 144.9 101.4 188.4

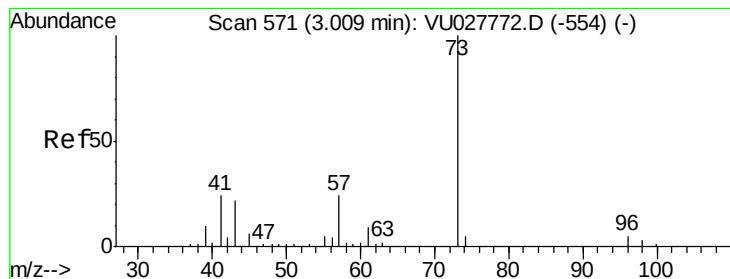


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 4.936 ug/L

RT: 3.01 min Scan# 571

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

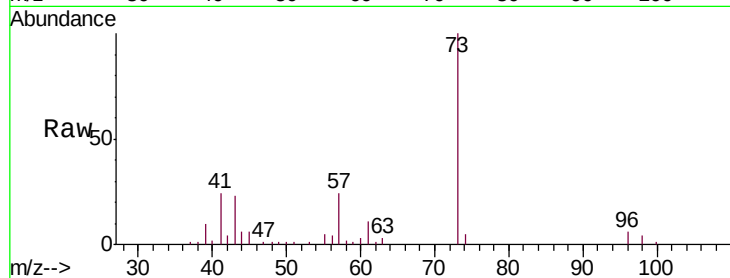
Tgt Ion: 73 Resp: 43425

Ion Ratio Lower Upper

73 100

43 23.3 18.6 28.0

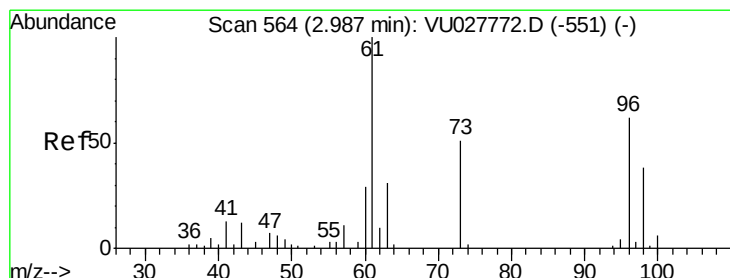
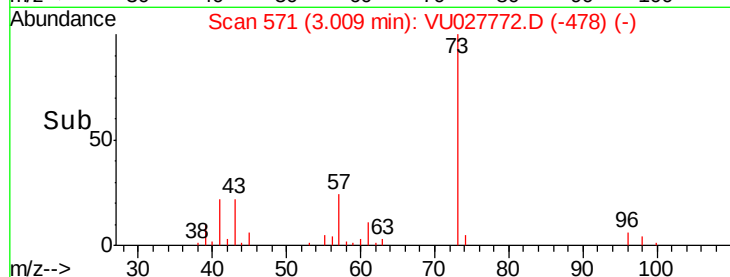
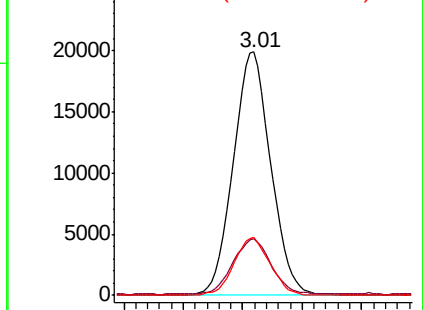
57 22.7 18.2 27.2



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: 5.015 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

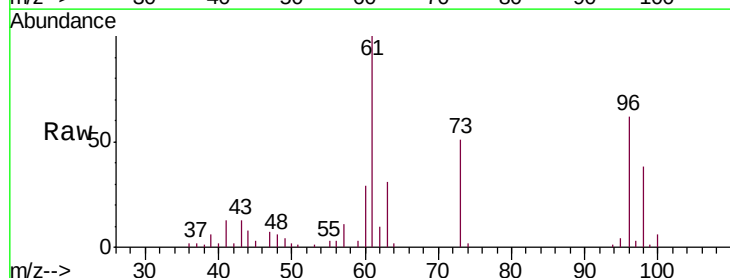
Tgt Ion: 96 Resp: 14770

Ion Ratio Lower Upper

96 100

61 160.2 112.1 208.3

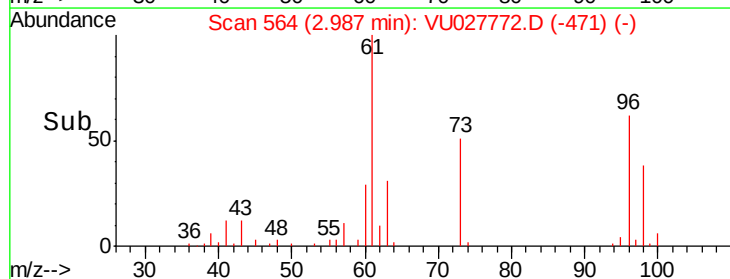
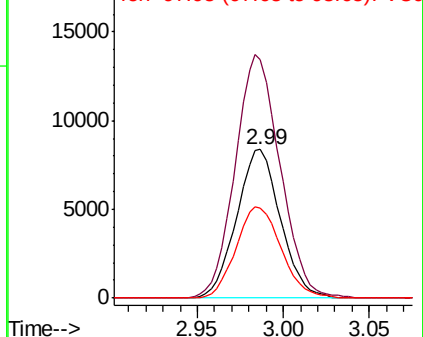
98 60.2 42.1 78.3

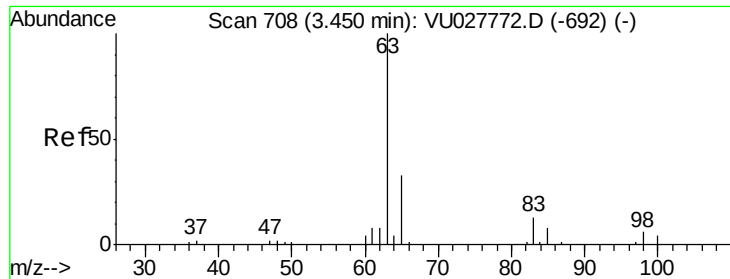


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

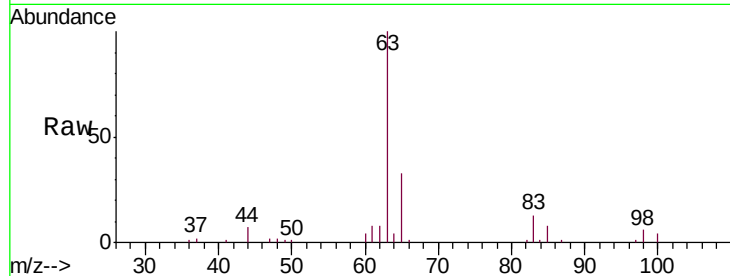




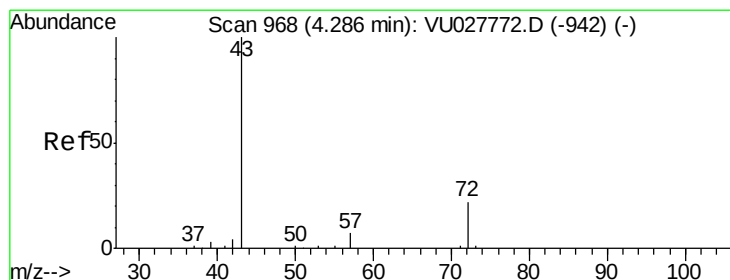
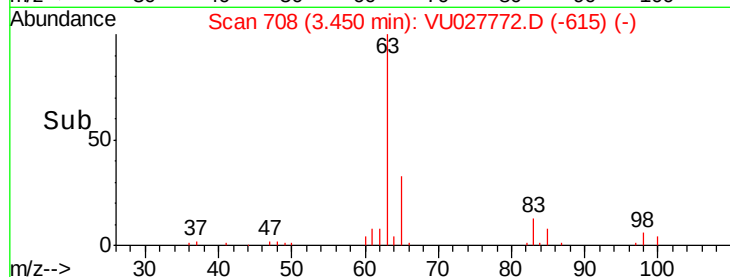
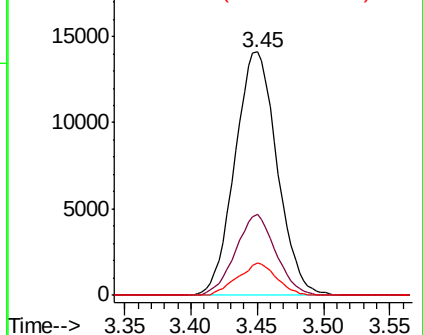
#19
 1,1-Dichloroethane
 Concen: 4.786 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027772.D
 Acq: 24 Oct 2018 09:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

Tgt Ion: 63 Resp: 31162
 Ion Ratio Lower Upper
 63 100
 65 33.0 23.1 42.9
 83 13.1 9.2 17.0

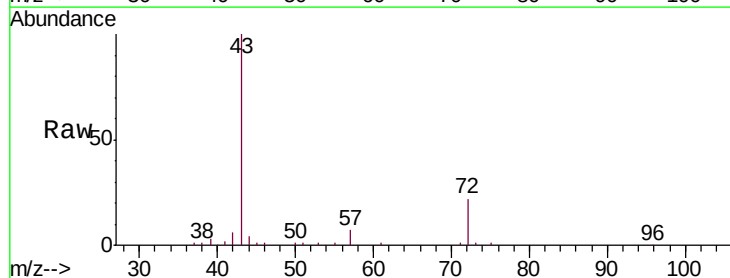


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

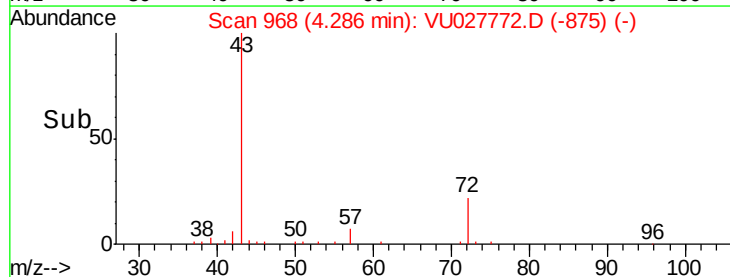
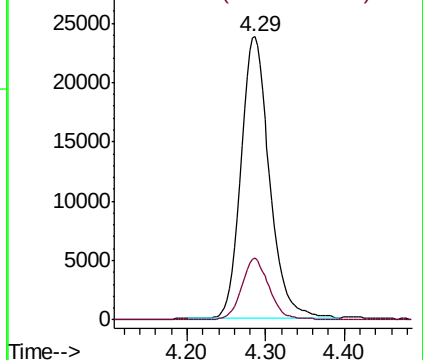


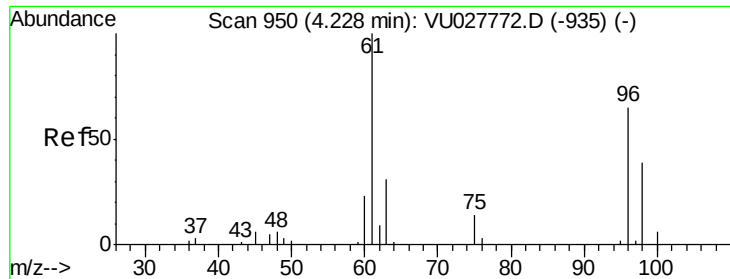
#21
 2-Butanone
 Concen: 49.015 ug/L
 RT: 4.29 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU027772.D
 Acq: 24 Oct 2018 09:22

Tgt Ion: 43 Resp: 60584
 Ion Ratio Lower Upper
 43 100
 72 21.1 10.5 31.6



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



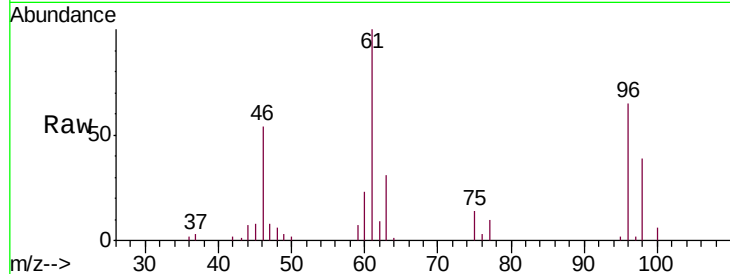


#22

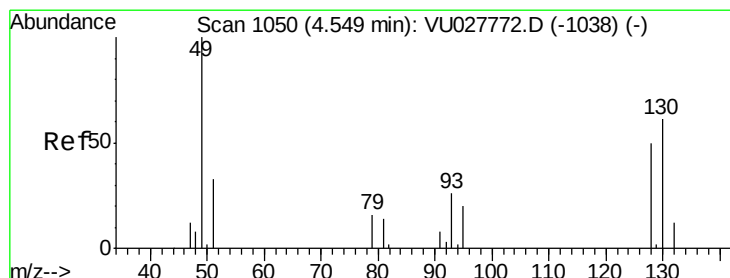
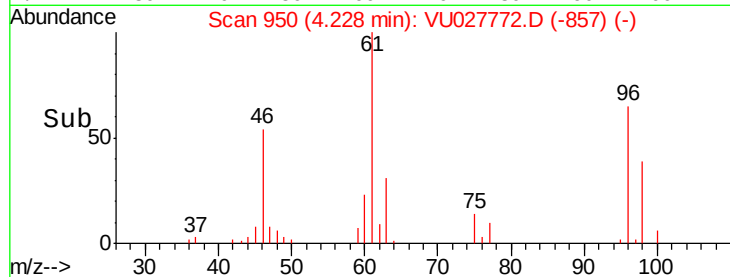
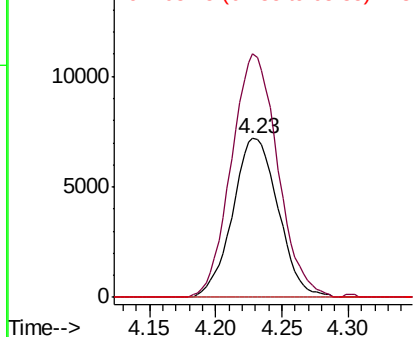
cis-1,2-Dichloroethene
Concen: 4.932 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

Tgt Ion: 96 Resp: 17253
Ion Ratio Lower Upper
96 100
61 153.1 107.2 199.0
68 0.0 0.0 0.0



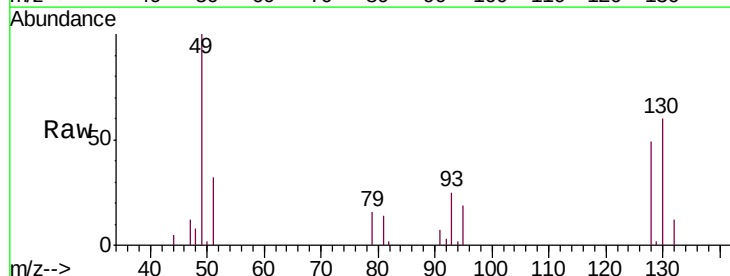
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



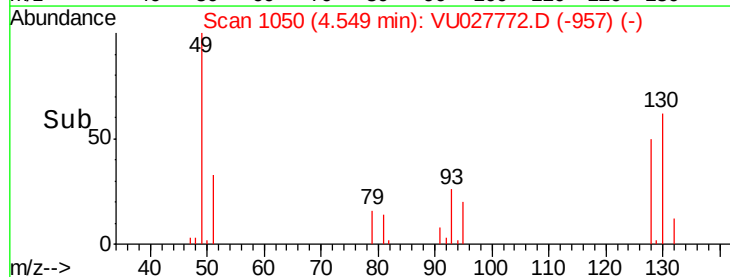
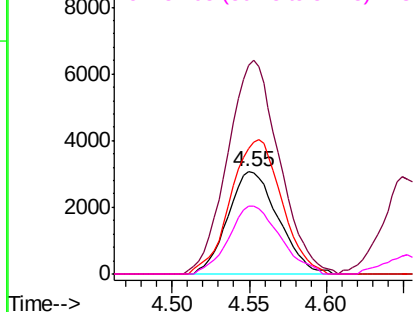
#23

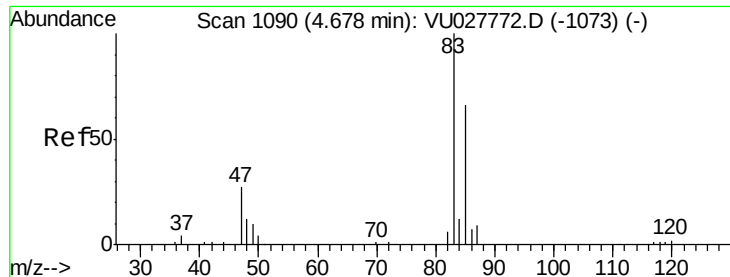
Bromochloromethane
Concen: 4.898 ug/L
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

Tgt Ion: 128 Resp: 6946
Ion Ratio Lower Upper
128 100
49 204.0 142.8 265.2
130 122.9 86.0 159.8
51 65.8 52.6 79.0



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

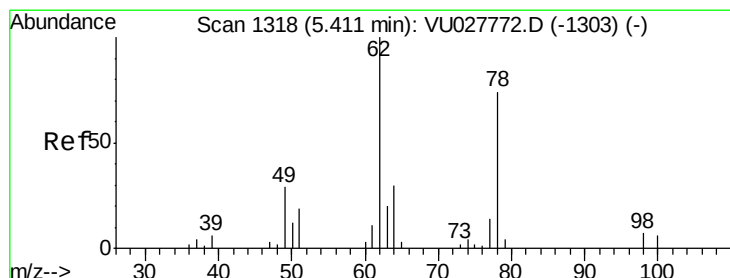
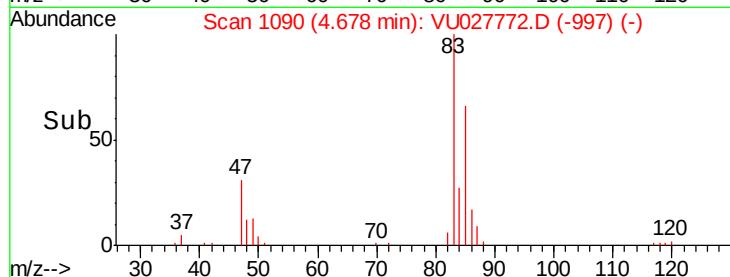
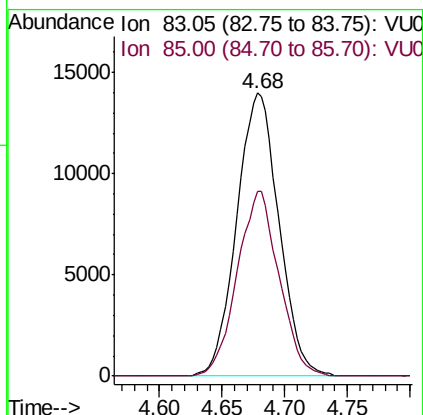
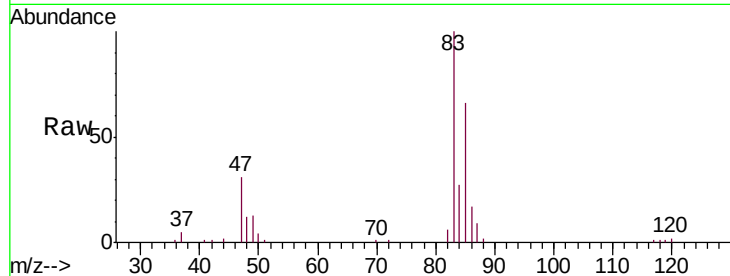




#25
Chloroform
Concen: 4.991 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

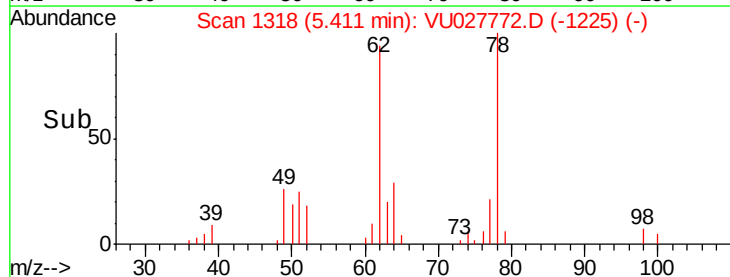
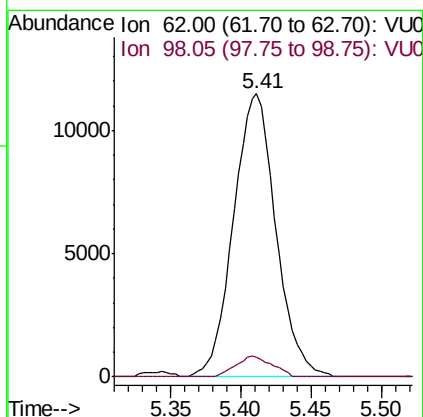
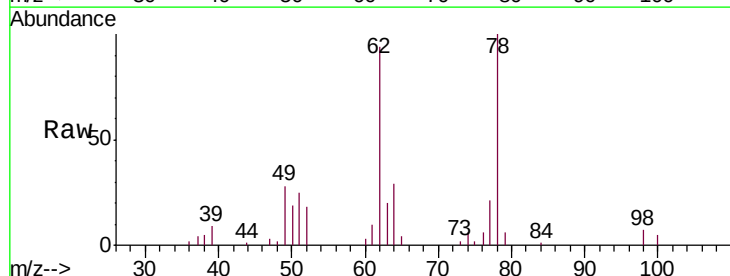
Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

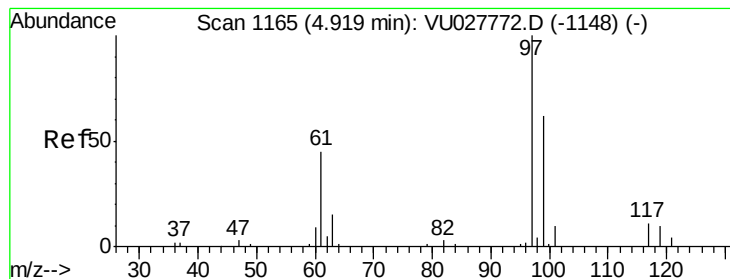
Tgt Ion: 83 Resp: 32726
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.992 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

Tgt Ion: 62 Resp: 24179
Ion Ratio Lower Upper
62 100
98 7.1 5.7 8.5





#29

1,1,1-Trichloroethane

Concen: 5.025 ug/L

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

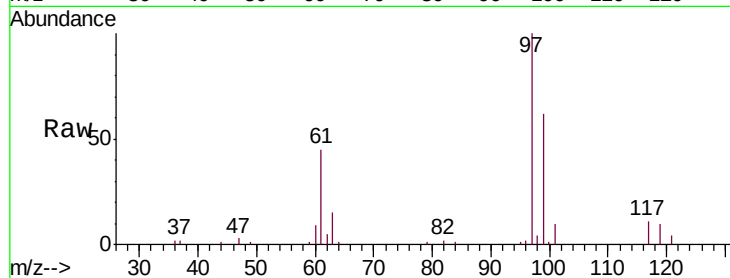
Tgt Ion: 97 Resp: 29921

Ion Ratio Lower Upper

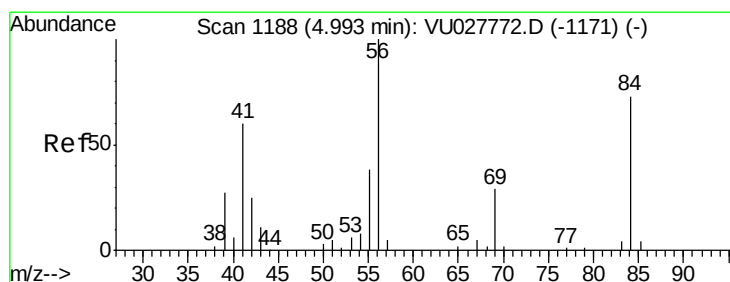
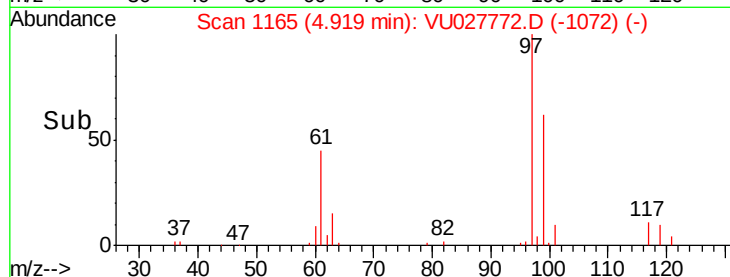
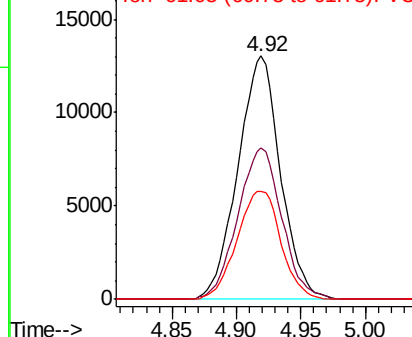
97 100

99 64.1 51.3 76.9

61 45.9 36.7 55.1



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



#30

Cyclohexane

Concen: 4.891 ug/L

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

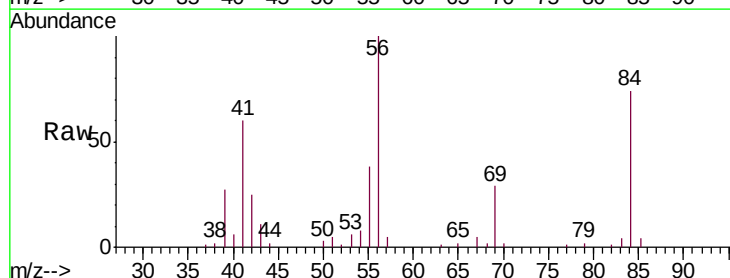
Tgt Ion: 56 Resp: 32620

Ion Ratio Lower Upper

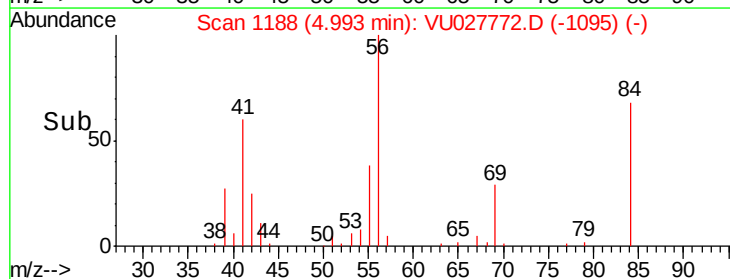
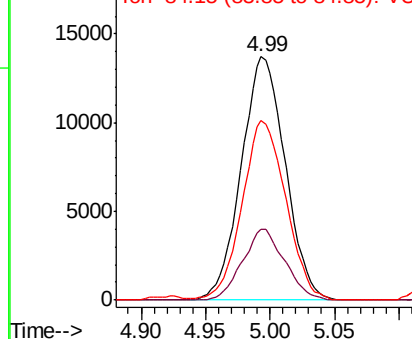
56 100

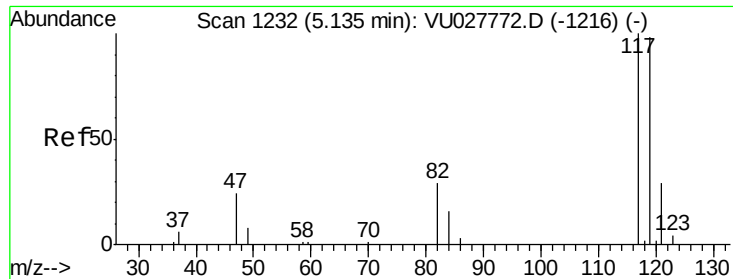
69 27.8 22.2 33.4

84 73.3 58.6 88.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

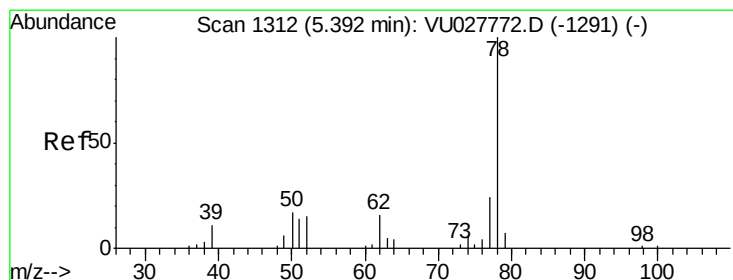
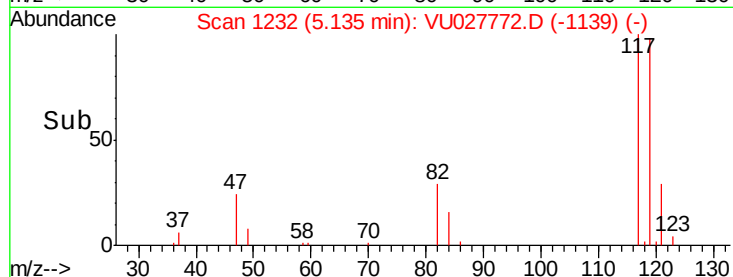
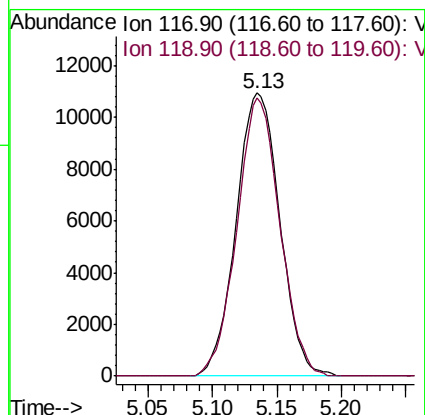
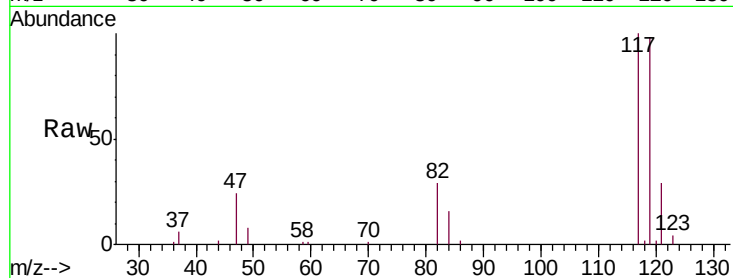




#31
Carbon tetrachloride
Concen: 5.053 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

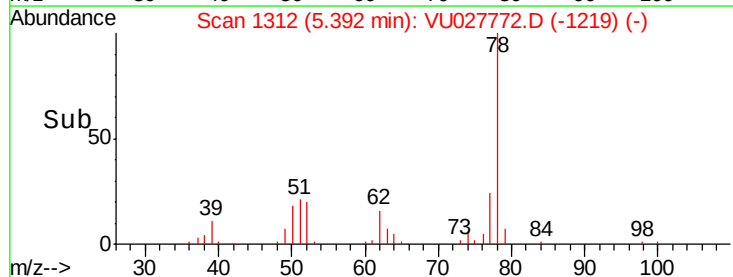
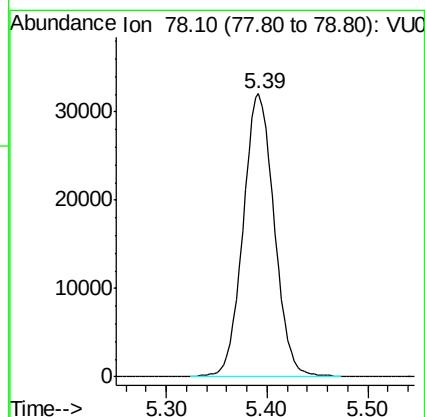
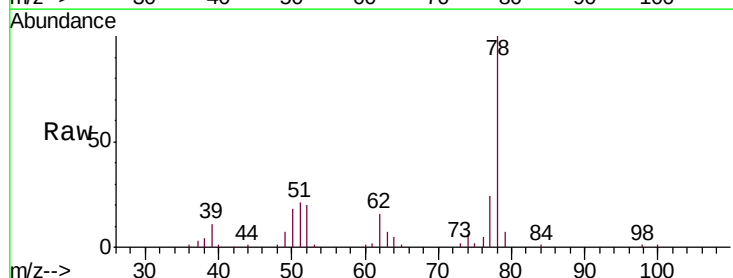
Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

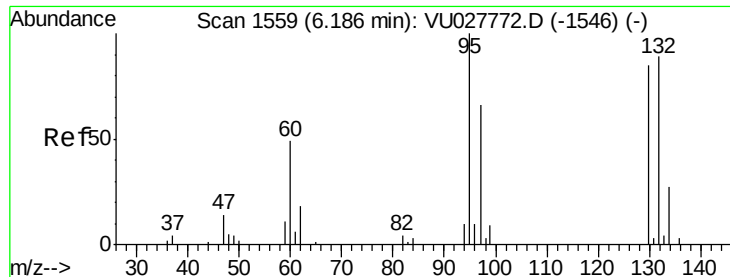
Tgt Ion:117 Resp: 25816
Ion Ratio Lower Upper
117 100
119 96.3 77.0 115.6



#33
Benzene
Concen: 4.973 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

Tgt Ion: 78 Resp: 68413





#34

Trichloroethene

Concen: 5.180 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

Tgt Ion: 95 Resp: 18461

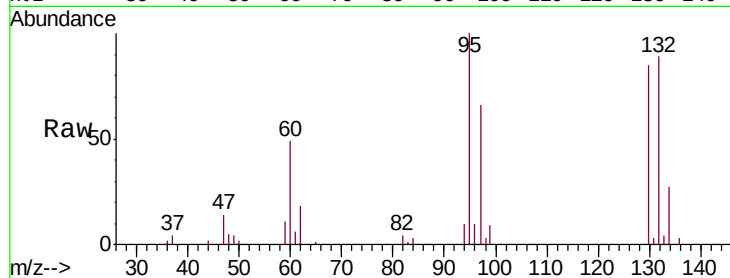
Ion Ratio Lower Upper

95 100

97 66.3 46.4 86.2

132 88.6 62.0 115.2

130 85.0 59.5 110.5



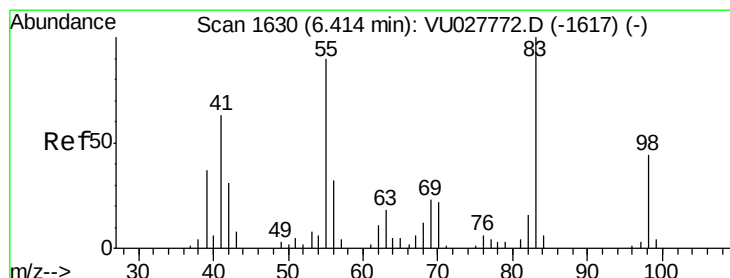
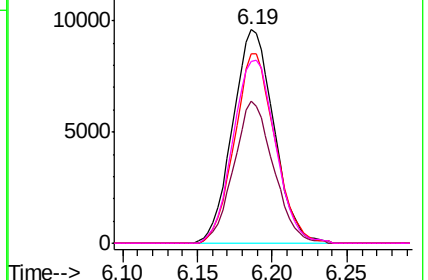
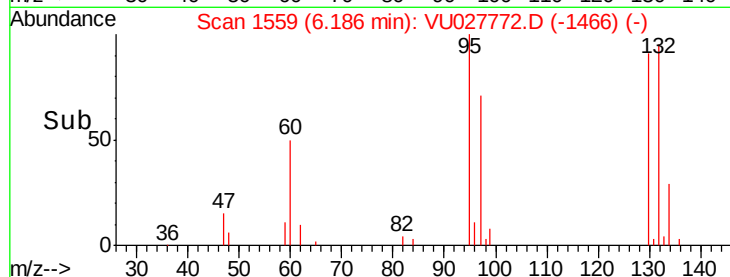
Abundance Ion 95.00 (94.70 to 95.70): VU027772.D (-1546) (-)

15000

Ion 96.95 (96.65 to 97.65): VU027772.D (-1546) (-)

Ion 131.95 (131.65 to 132.65): VU027772.D (-1546) (-)

Ion 129.95 (129.65 to 130.65): VU027772.D (-1546) (-)



#35

Methylcyclohexane

Concen: 5.083 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

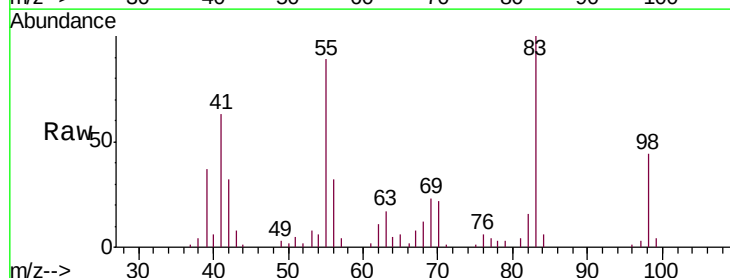
Tgt Ion: 83 Resp: 30269

Ion Ratio Lower Upper

83 100

55 89.4 71.5 107.3

98 44.2 35.4 53.0

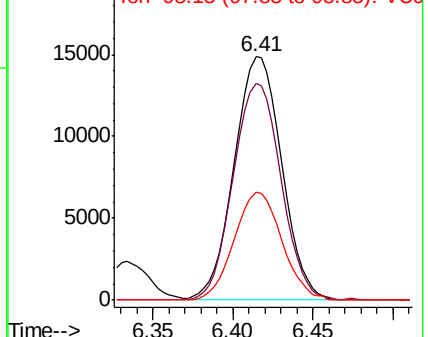
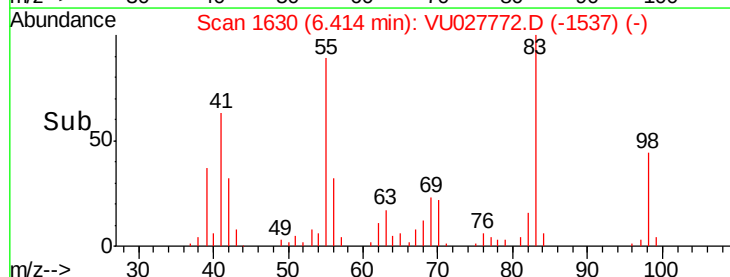


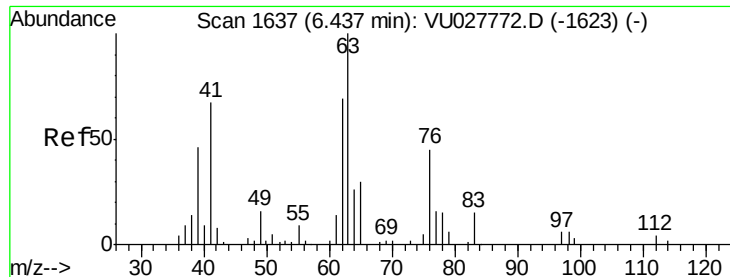
Abundance Ion 83.15 (82.85 to 83.85): VU027772.D (-1617) (-)

20000

Ion 55.10 (54.80 to 55.80): VU027772.D (-1617) (-)

Ion 98.15 (97.85 to 98.85): VU027772.D (-1617) (-)

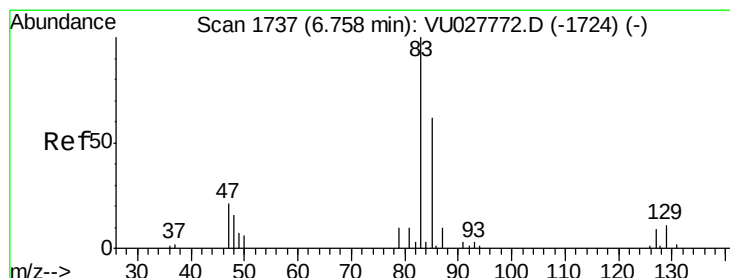
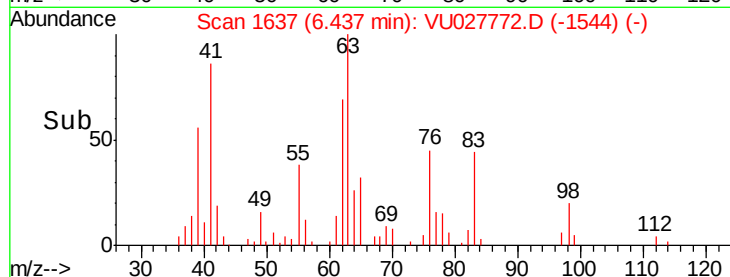
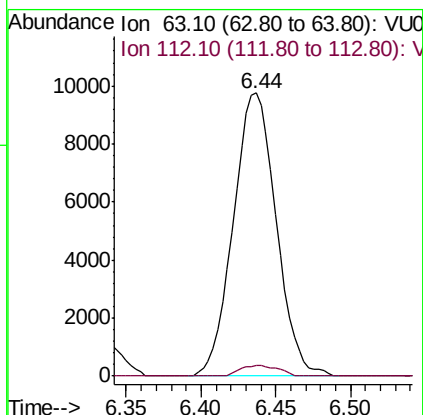
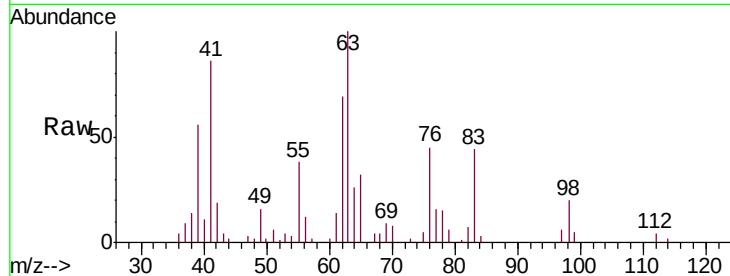




#37
 1,2-Dichloropropane
 Concen: 4.824 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027772.D
 Acq: 24 Oct 2018 09:22

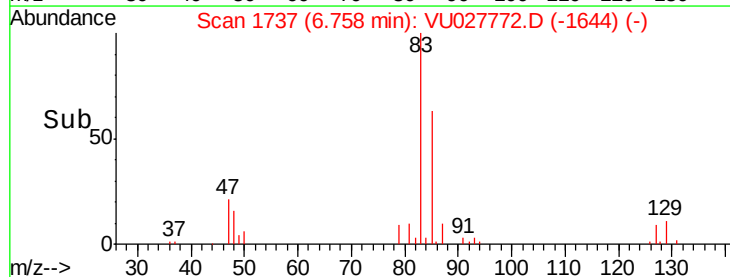
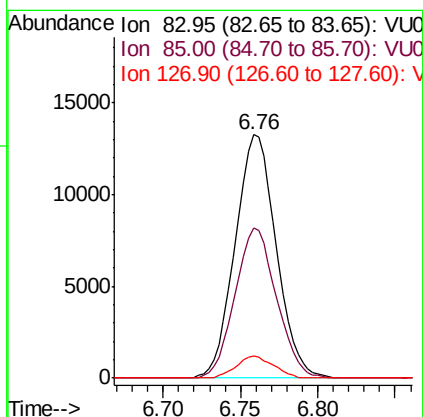
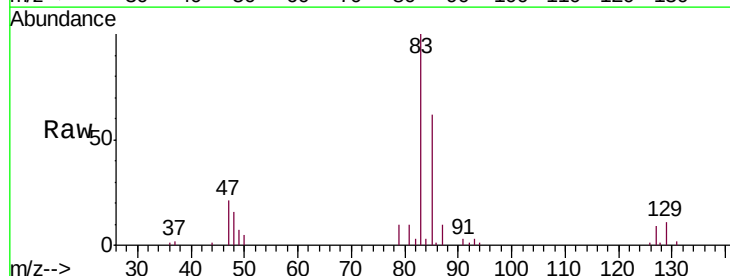
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

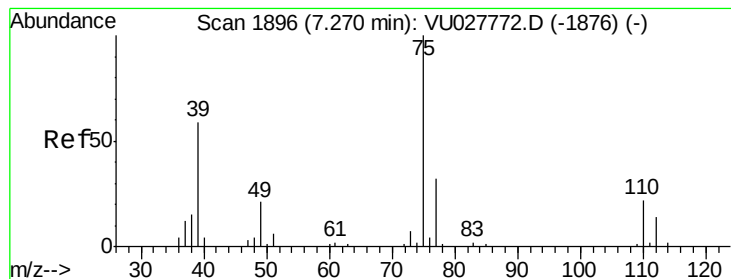
Tgt Ion: 63 Resp: 19486
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.7 4.1



#38
 Bromodichloromethane
 Concen: 5.074 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027772.D
 Acq: 24 Oct 2018 09:22

Tgt Ion: 83 Resp: 24470
 Ion Ratio Lower Upper
 83 100
 85 61.9 43.3 80.5
 127 9.0 7.2 10.8



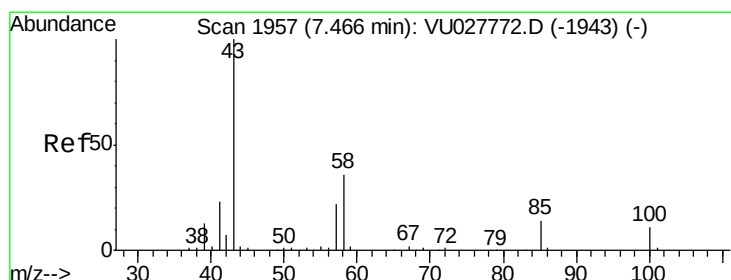
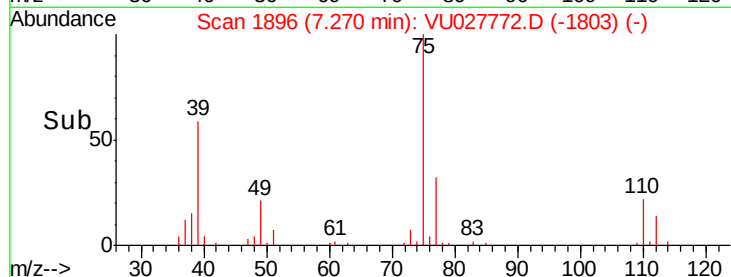
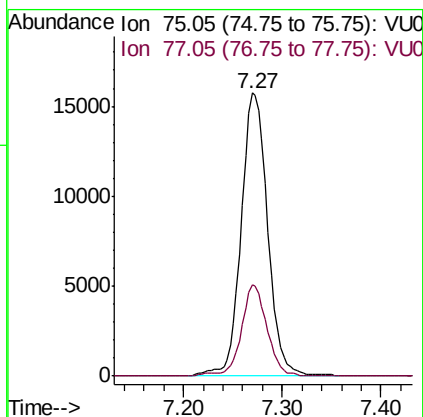
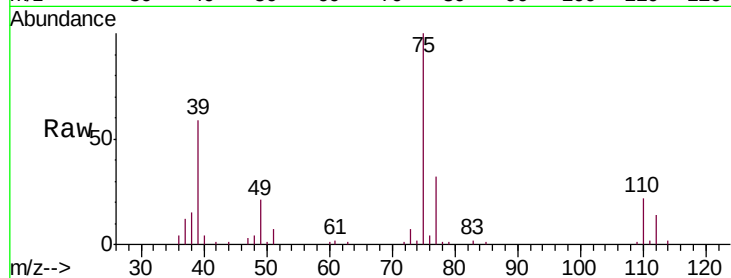


#39

cis-1,3-Dichloropropene
 Concen: 5.073 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027772.D
 Acq: 24 Oct 2018 09:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

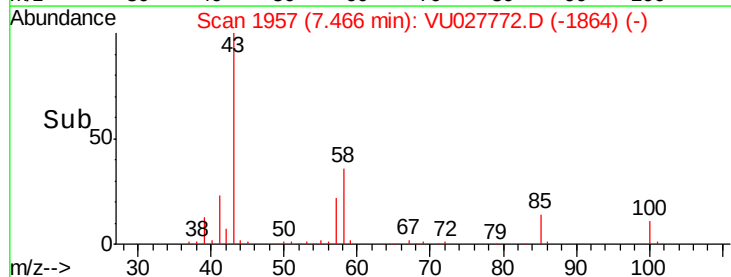
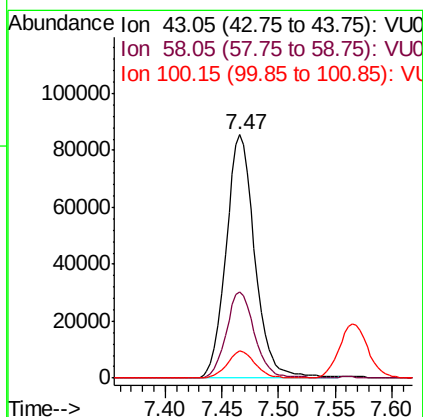
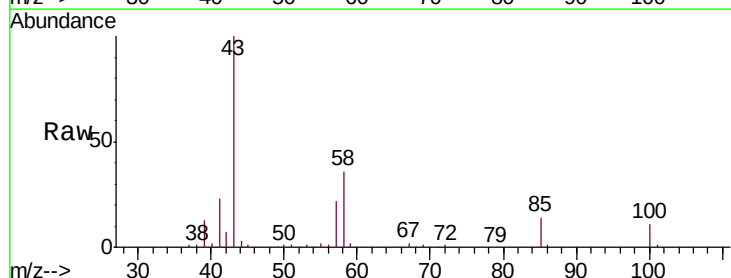
Tgt Ion: 75 Resp: 29350
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.5 41.7

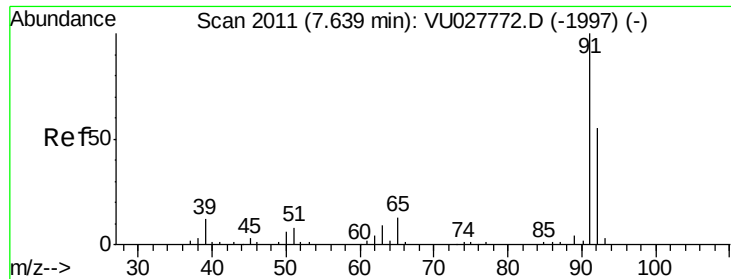


#40

4-Methyl-2-pentanone
 Concen: 50.098 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU027772.D
 Acq: 24 Oct 2018 09:22

Tgt Ion: 43 Resp: 151270
 Ion Ratio Lower Upper
 43 100
 58 35.1 28.1 42.1
 100 10.9 8.7 13.1





#42

Toluene

Concen: 5.069 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

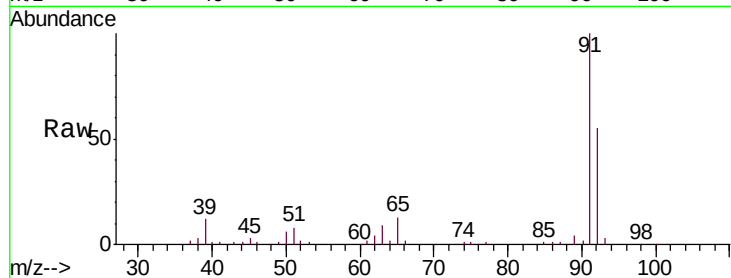
VSTD00544

Tgt Ion: 91 Resp: 75064

Ion Ratio Lower Upper

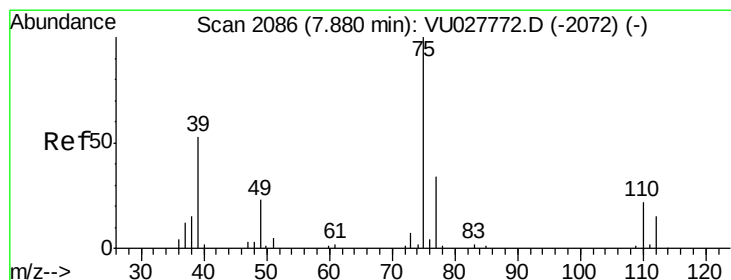
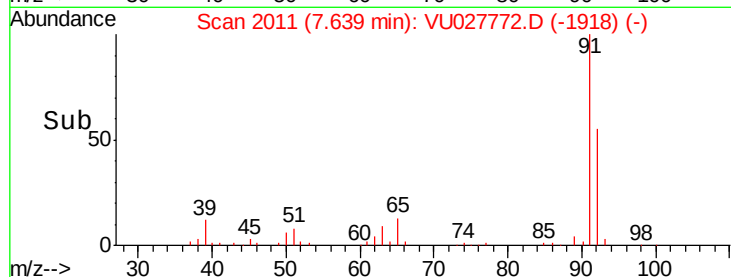
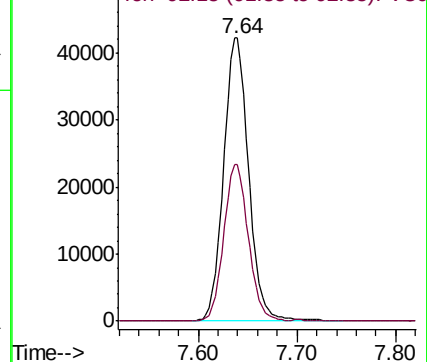
91 100

92 55.2 38.6 71.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.054 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027772.D

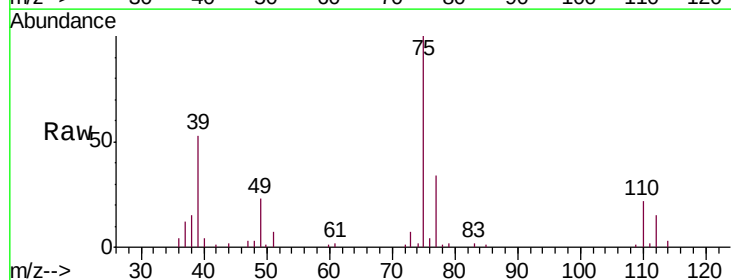
Acq: 24 Oct 2018 09:22

Tgt Ion: 75 Resp: 24625

Ion Ratio Lower Upper

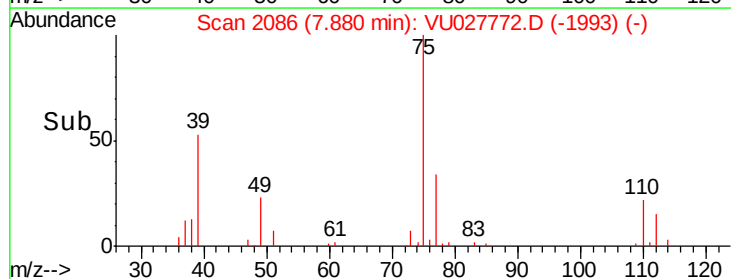
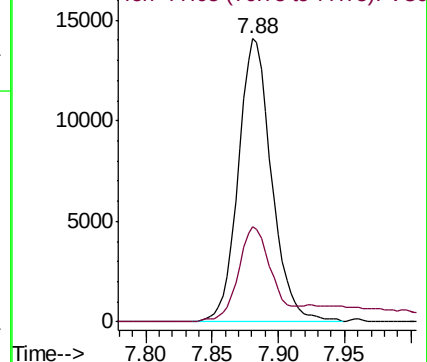
75 100

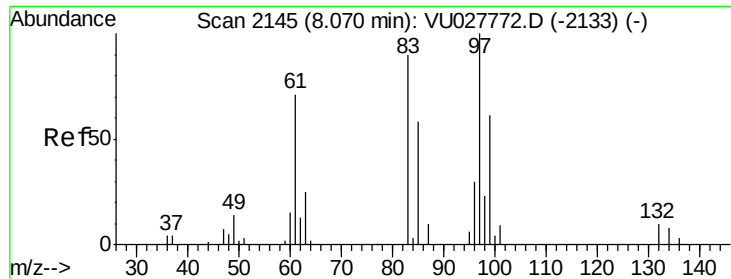
77 33.6 23.5 43.7



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 5.225 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

Tgt Ion: 97 Resp: 12736

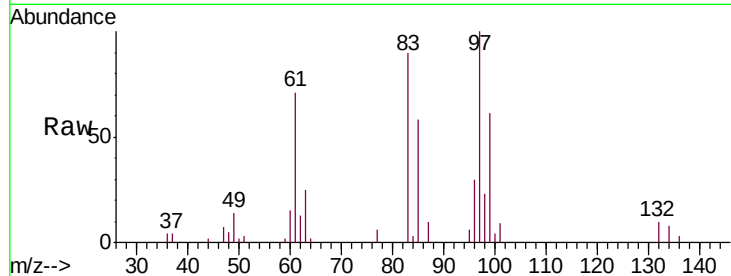
Ion Ratio Lower Upper

97 100

99 61.2 42.8 79.6

83 89.9 62.9 116.9

85 58.3 40.8 75.8

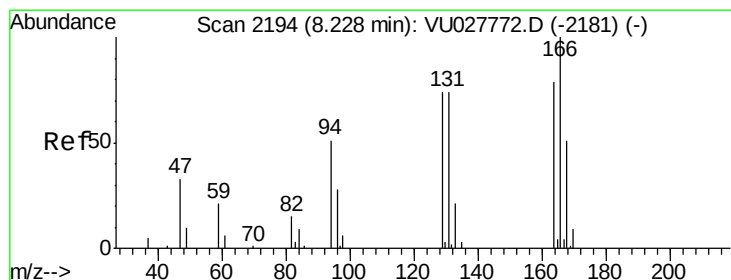
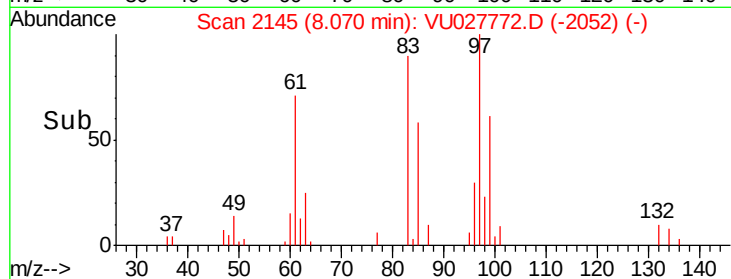
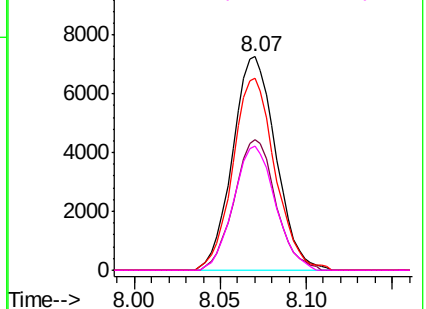


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.752 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Tgt Ion: 164 Resp: 13756

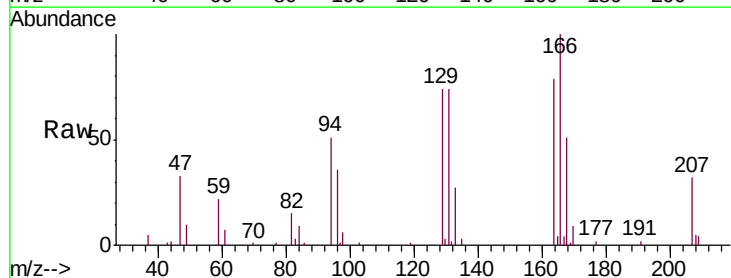
Ion Ratio Lower Upper

164 100

129 93.7 65.6 121.8

131 92.9 65.0 120.8

166 126.2 88.3 164.1

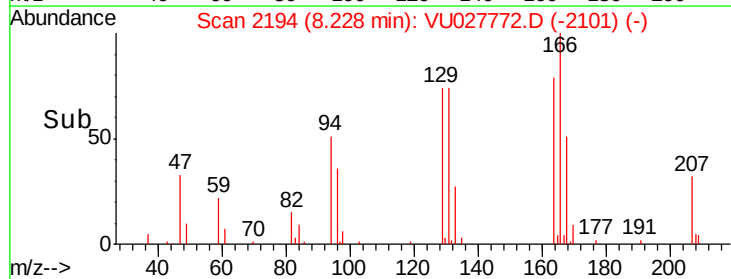
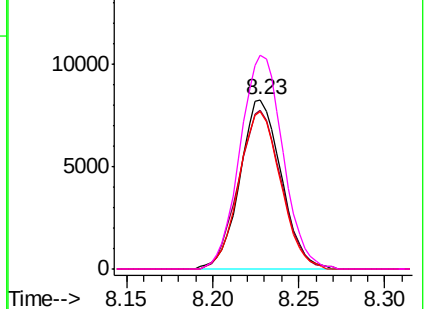


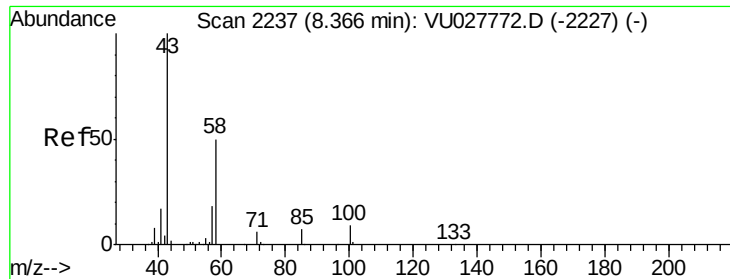
Abundance Ion 163.90 (163.60 to 164.60): V

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

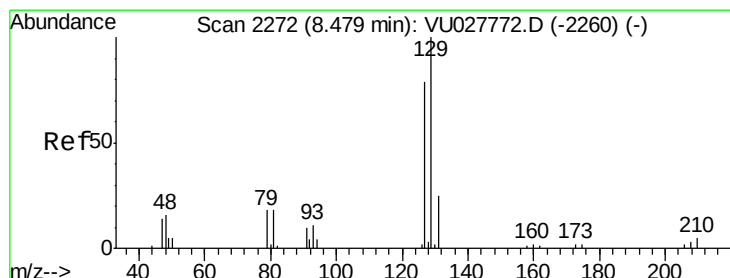
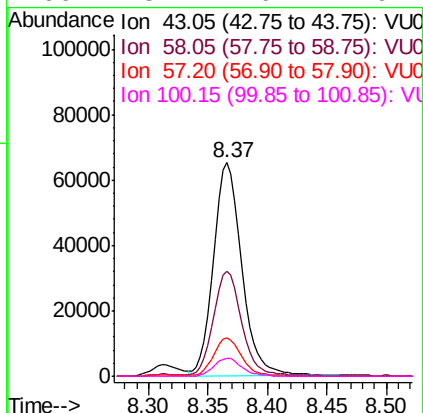
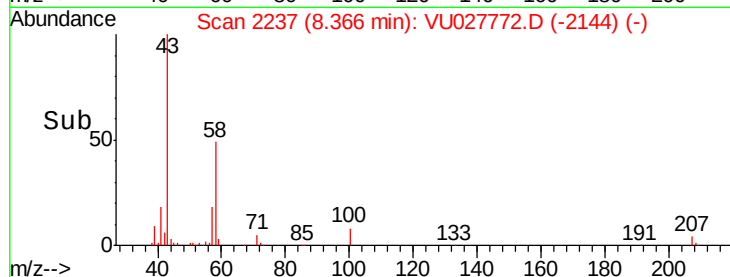
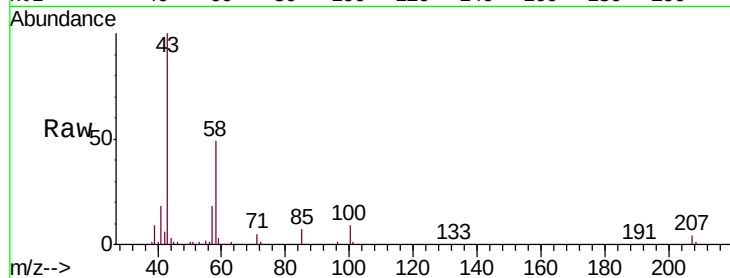




#48
2-Hexanone
Concen: 50.183 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

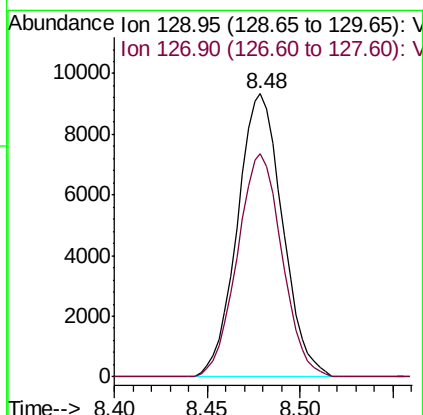
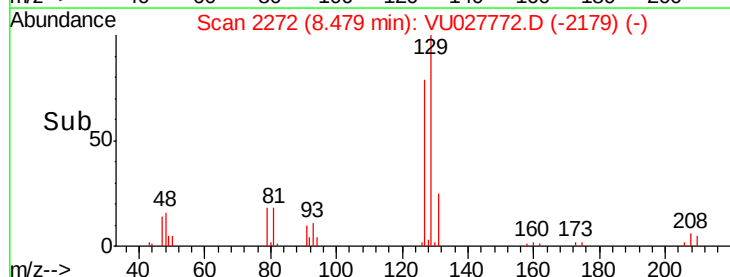
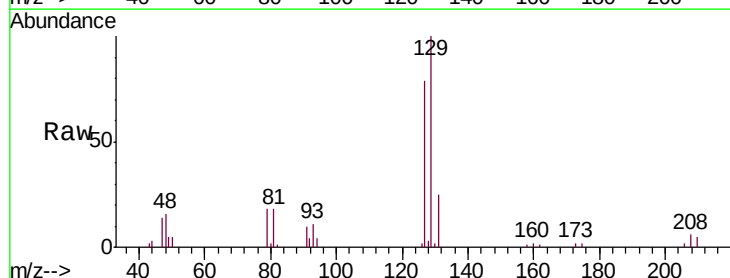
Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

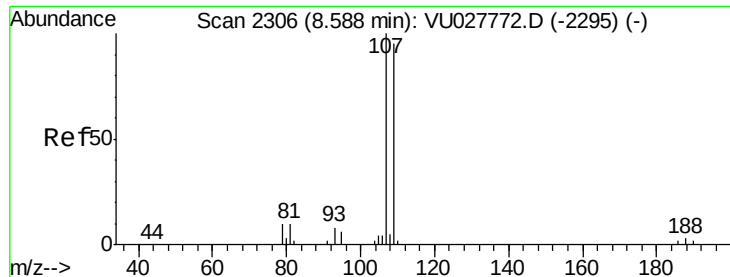
Tgt Ion: 43 Resp: 107667
Ion Ratio Lower Upper
43 100
58 49.2 39.4 59.0
57 17.3 13.8 20.8
100 8.4 6.7 10.1



#49
Dibromochloromethane
Concen: 5.081 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

Tgt Ion: 129 Resp: 15781
Ion Ratio Lower Upper
129 100
127 78.8 55.2 102.4

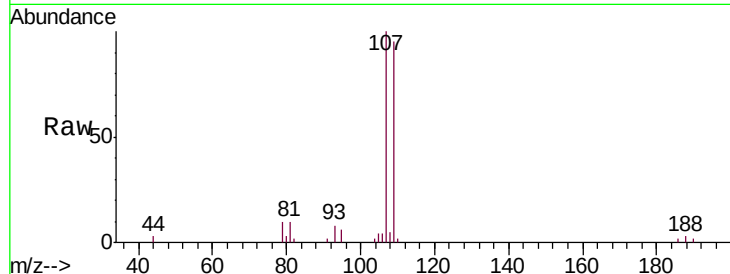




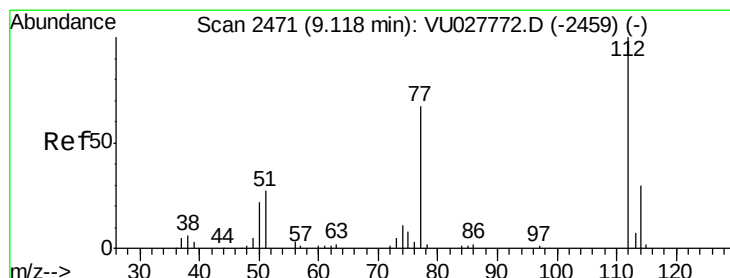
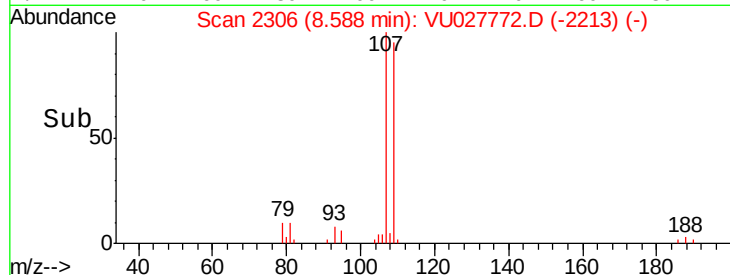
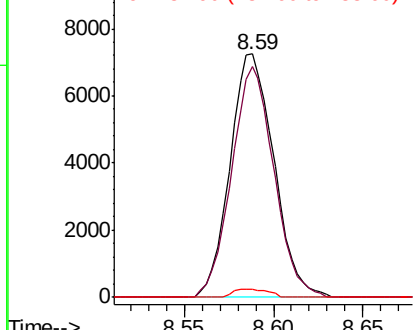
#50
1,2-Dibromoethane
Concen: 5.224 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.7	66.3	123.1
188	3.2	2.6	3.8

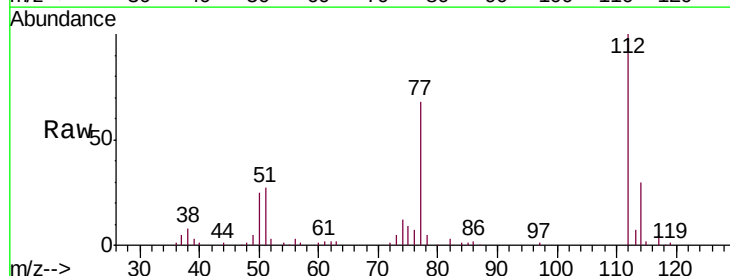


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

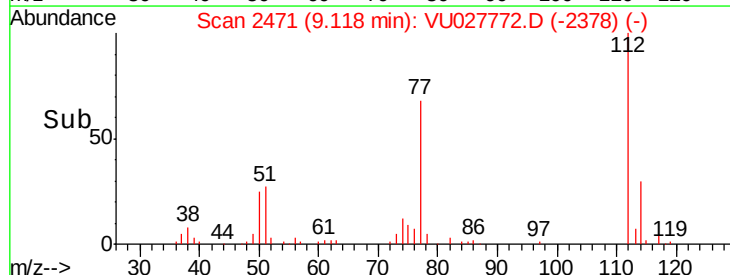
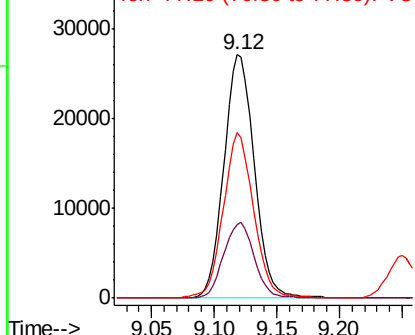


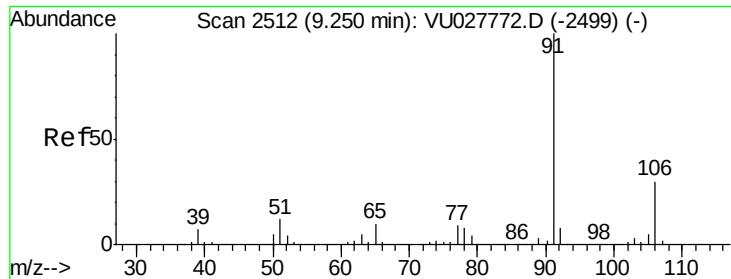
#51
Chlorobenzene
Concen: 5.008 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.3	21.2	39.4
77	67.8	54.2	81.4



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: 4.980 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

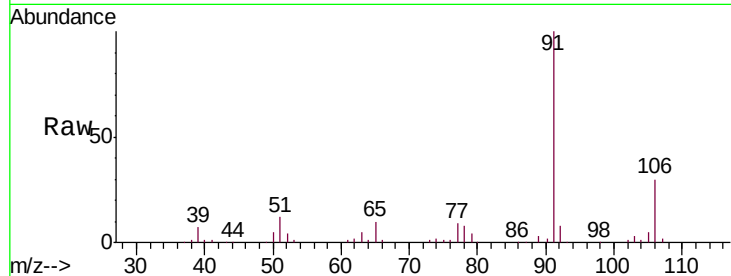
VSTD00544

Tgt Ion: 91 Resp: 85537

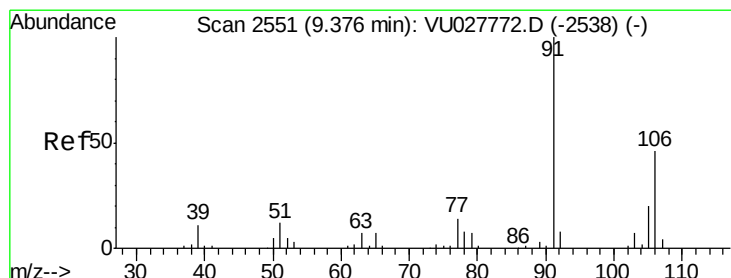
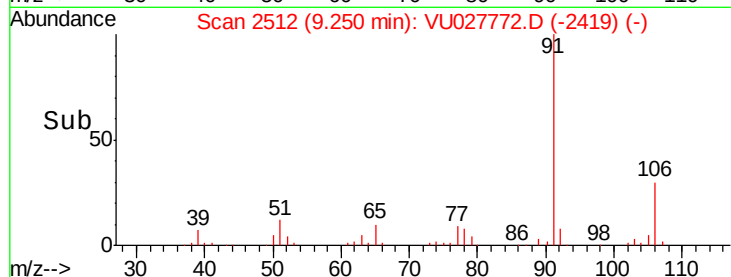
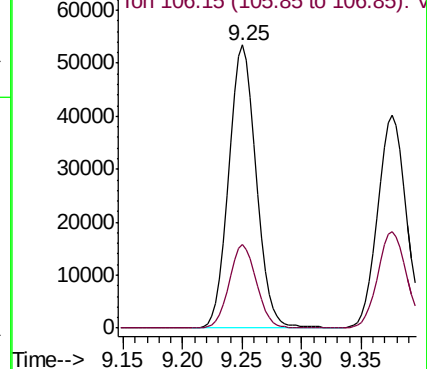
Ion Ratio Lower Upper

91 100

106 29.5 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU027772.D (-2499) (-)



#53

m,p-xylene

Concen: 5.031 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027772.D

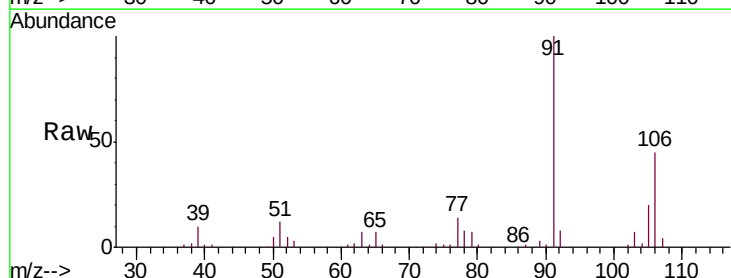
Acq: 24 Oct 2018 09:22

Tgt Ion: 106 Resp: 30612

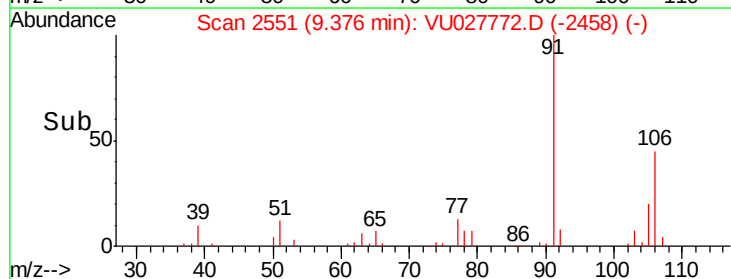
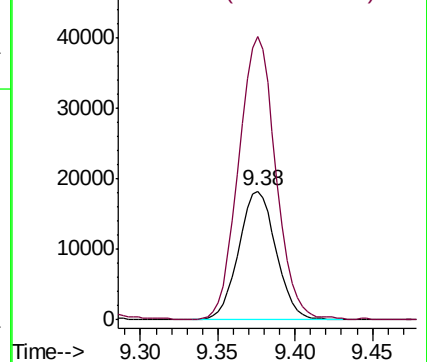
Ion Ratio Lower Upper

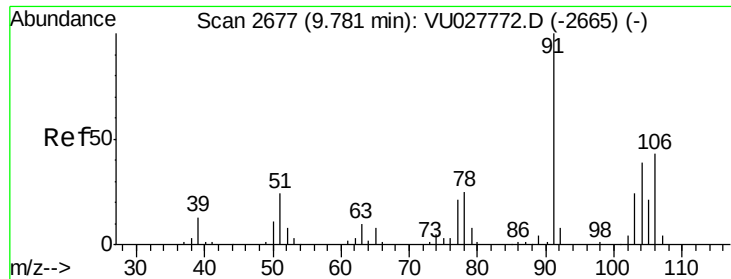
106 100

91 220.2 154.1 286.3



Abundance Ion 106.15 (105.85 to 106.85): VU027772.D (-2538) (-)

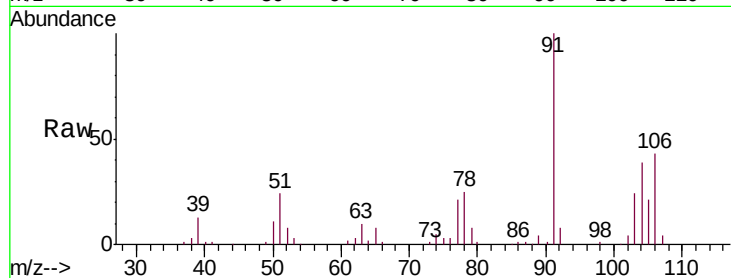




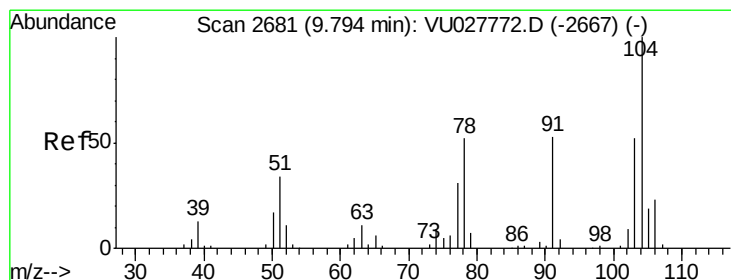
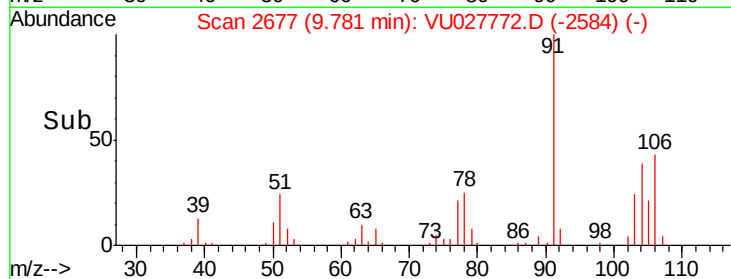
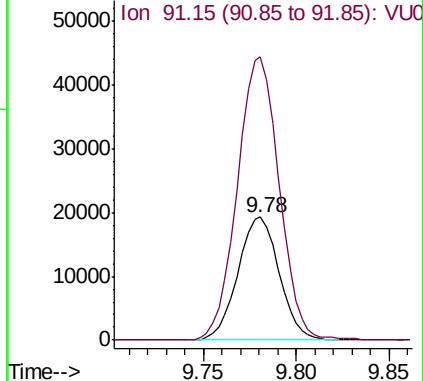
#54
o-xylene
Concen: 5.014 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD00544

Tgt Ion:106 Resp: 29802
Ion Ratio Lower Upper
106 100
91 230.5 161.3 299.7

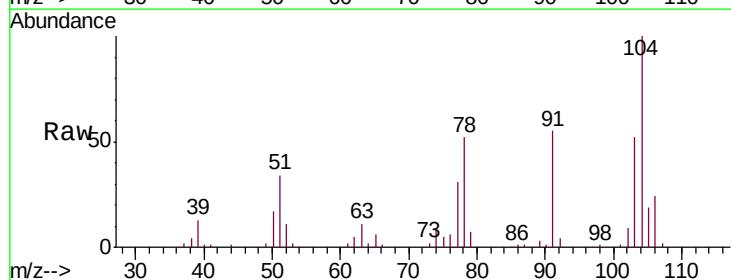


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

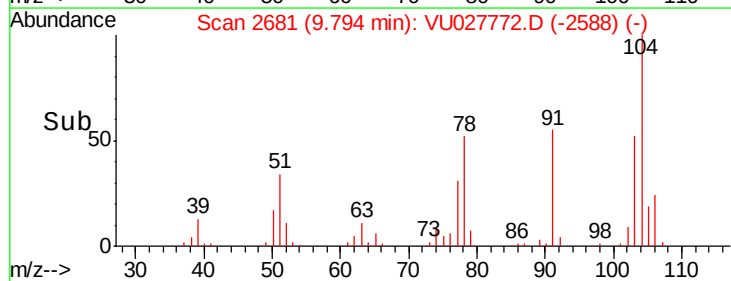
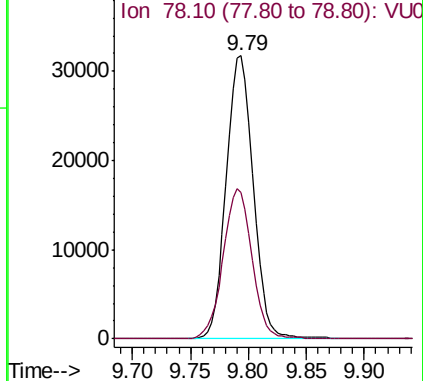


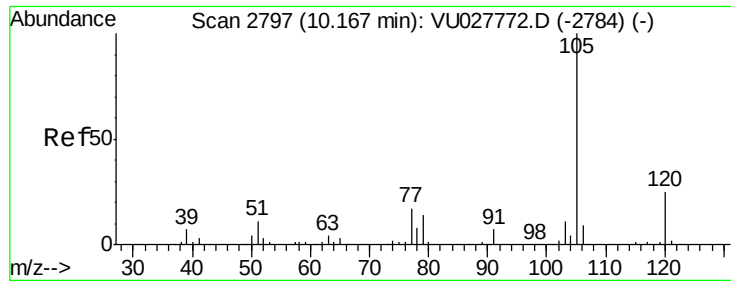
#55
Styrene
Concen: 5.081 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027772.D
Acq: 24 Oct 2018 09:22

Tgt Ion:104 Resp: 51155
Ion Ratio Lower Upper
104 100
78 51.8 36.3 67.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.021 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampled :

VSTD00544

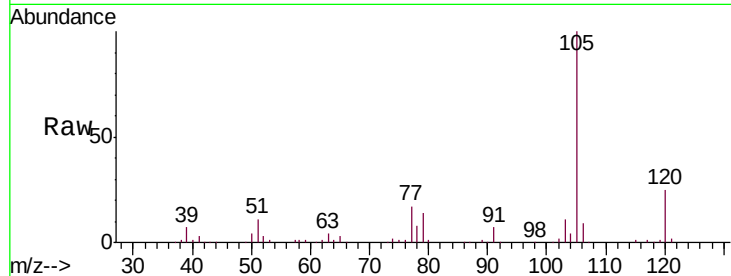
Tgt Ion: 105 Resp: 82643

Ion Ratio Lower Upper

105 100

120 24.9 19.9 29.9

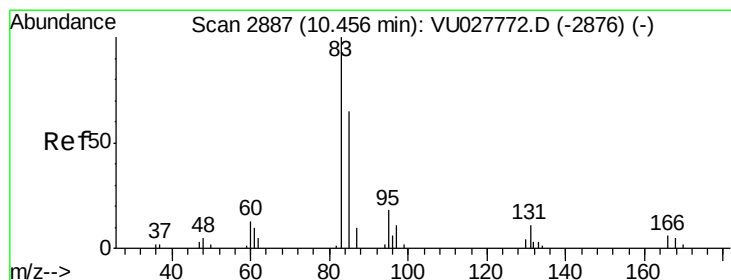
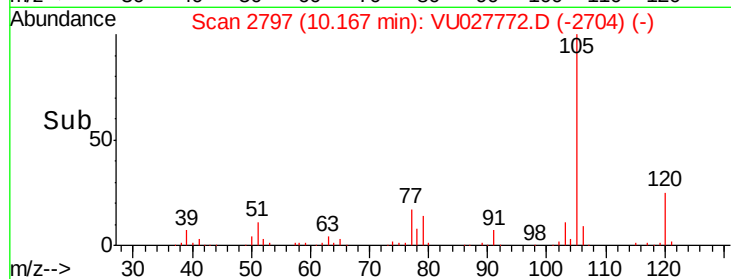
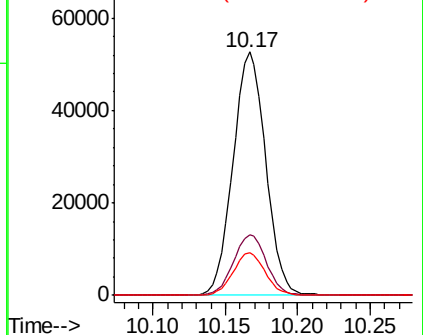
77 17.1 13.7 20.5



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: 5.097 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

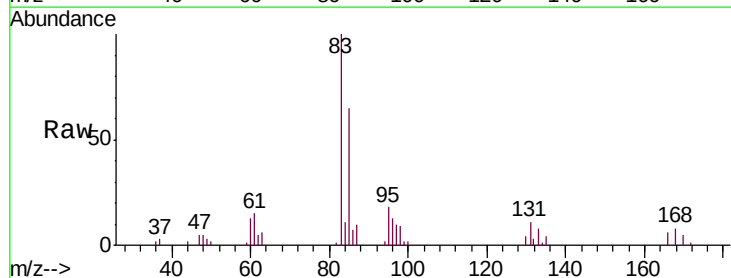
Tgt Ion: 83 Resp: 16342

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5

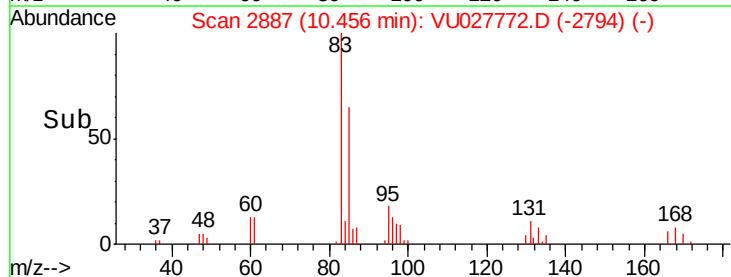
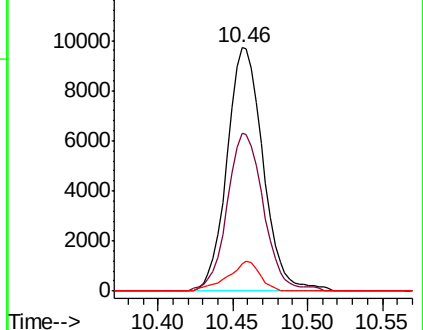
131 11.0 8.8 13.2

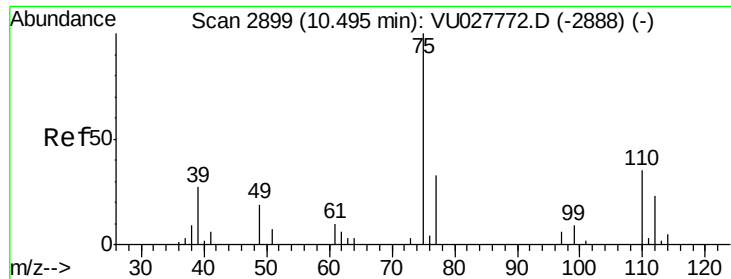


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.789 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

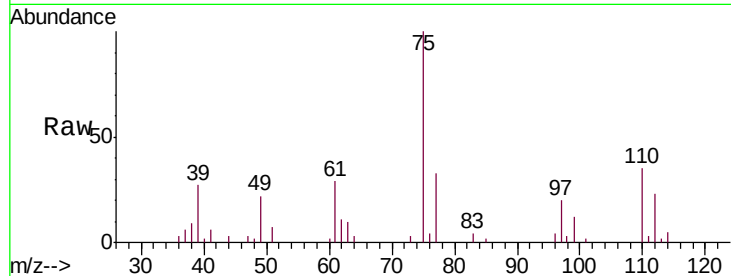
VSTD00544

Tgt Ion: 75 Resp: 12180

Ion Ratio Lower Upper

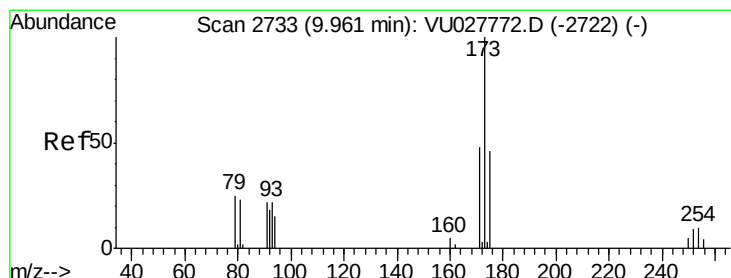
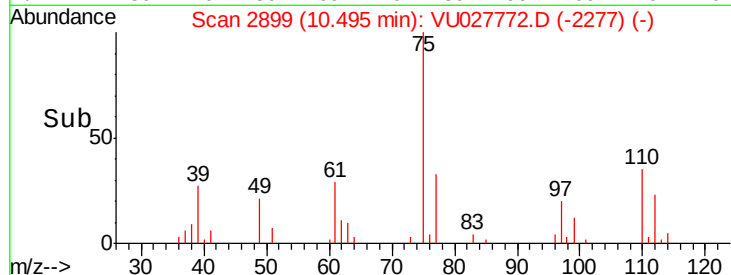
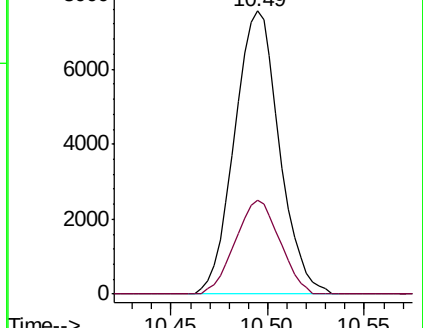
75 100

77 33.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU027772.D (-2888) (-)

Ion 77.00 (76.70 to 77.70): VU027772.D (-2888) (-)



#61

Bromoform

Concen: 4.987 ug/L

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

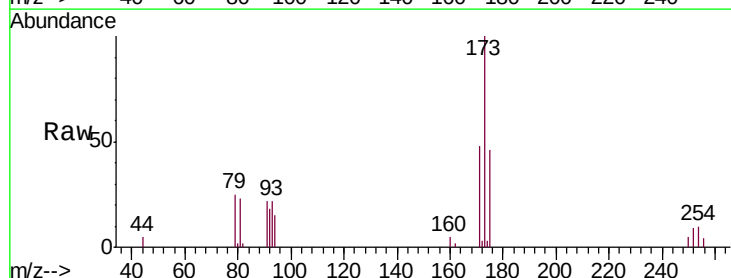
Tgt Ion: 173 Resp: 8881

Ion Ratio Lower Upper

173 100

175 47.1 37.7 56.5

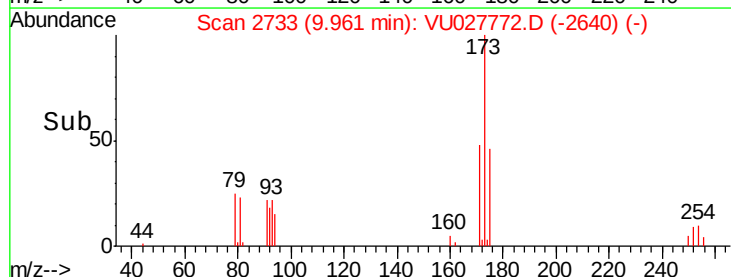
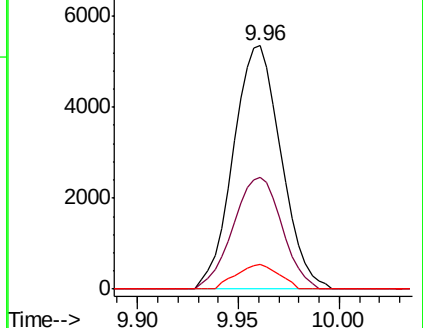
254 9.0 7.2 10.8

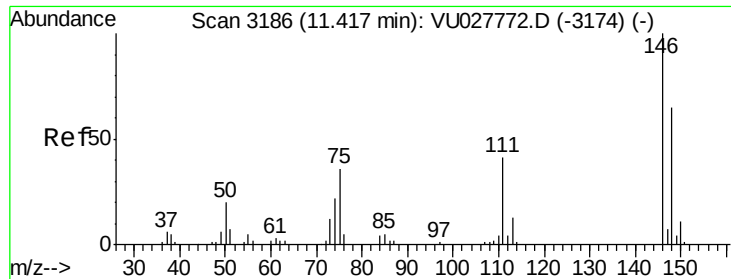


Abundance Ion 172.90 (172.60 to 173.60): VU027772.D (-2722) (-)

Ion 174.90 (174.60 to 175.60): VU027772.D (-2722) (-)

Ion 253.75 (253.45 to 254.45): VU027772.D (-2722) (-)

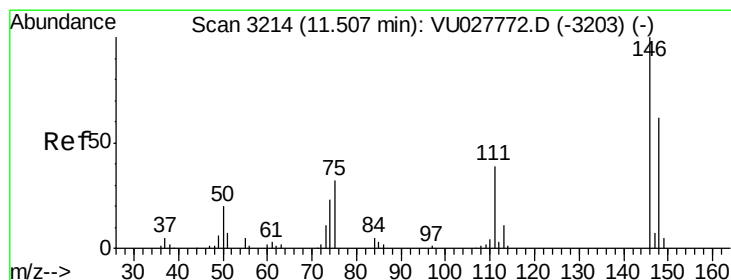
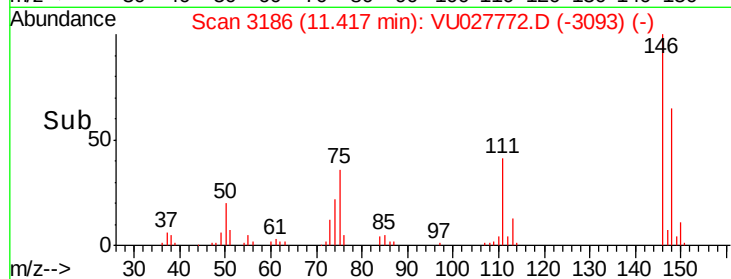
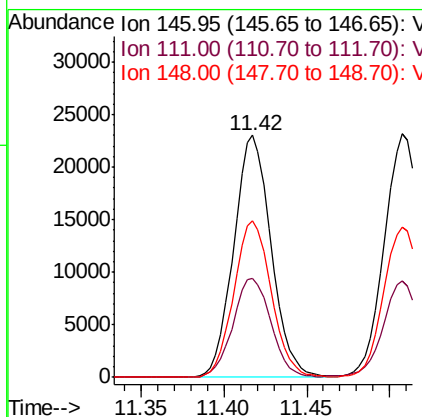
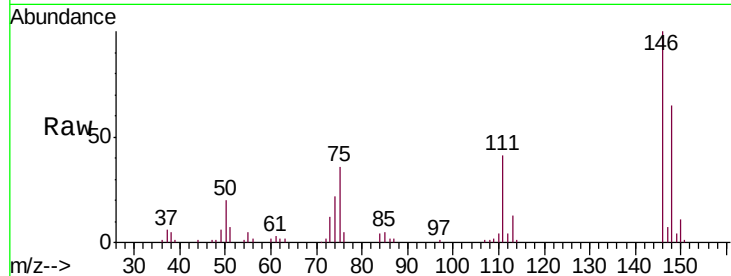




#62
 1,3-Dichlorobenzene
 Concen: 4.858 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027772.D
 Acq: 24 Oct 2018 09:22

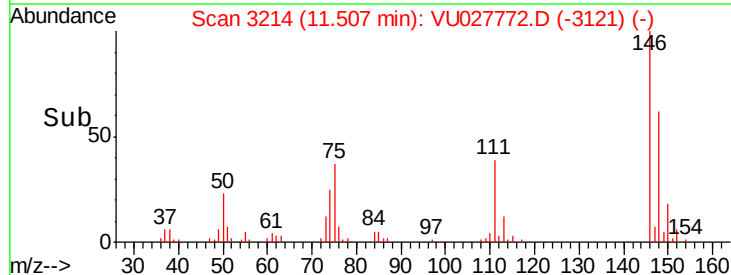
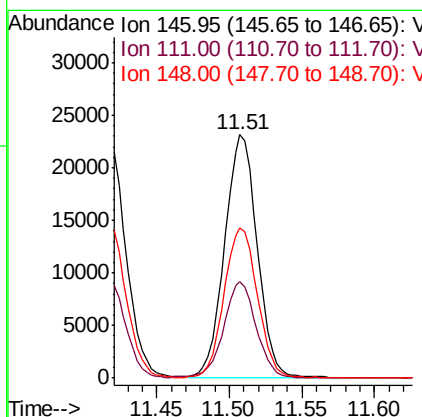
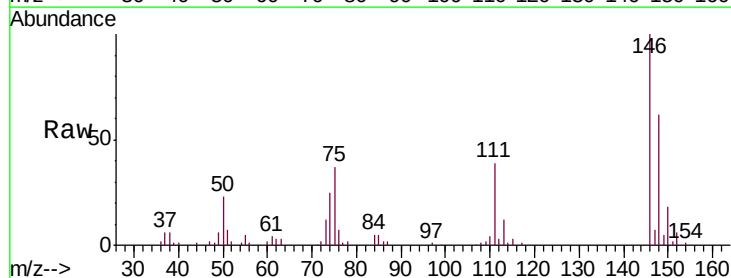
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

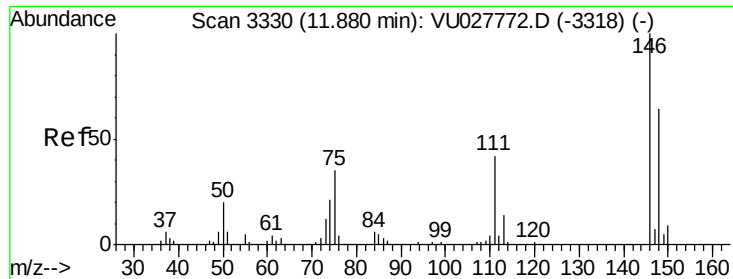
Tgt Ion:146 Resp: 36177
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.6 53.0
 148 64.5 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 4.815 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027772.D
 Acq: 24 Oct 2018 09:22

Tgt Ion:146 Resp: 36207
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.6 51.4
 148 61.8 43.3 80.3

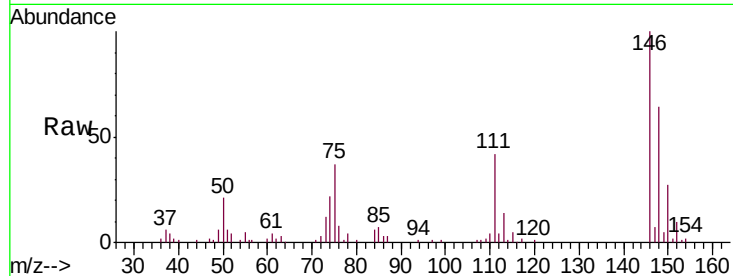




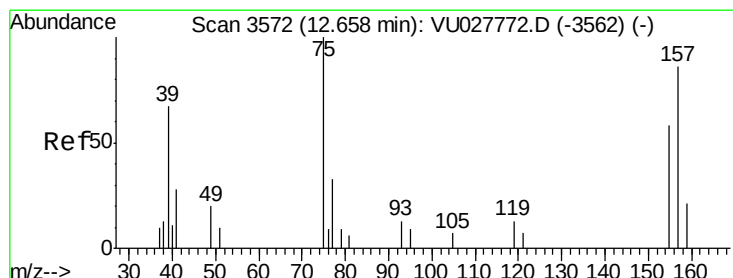
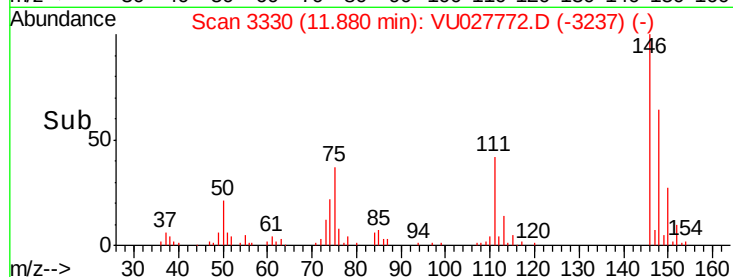
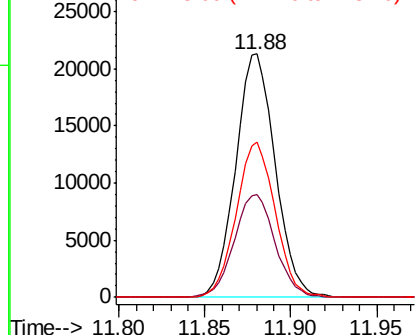
#65
 1,2-Dichlorobenzene
 Concen: 4.858 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027772.D
 Acq: 24 Oct 2018 09:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00544

Tgt Ion: 146 Resp: 34019
 Ion Ratio Lower Upper
 146 100
 111 42.1 33.7 50.5
 148 63.5 50.8 76.2

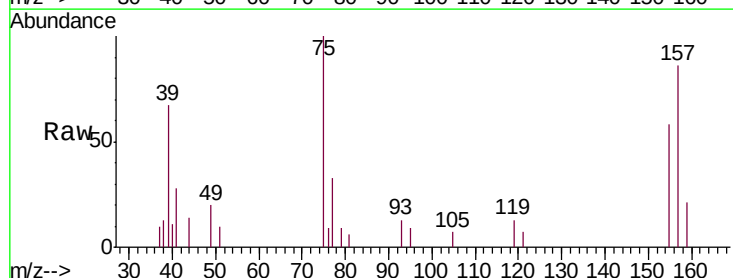


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

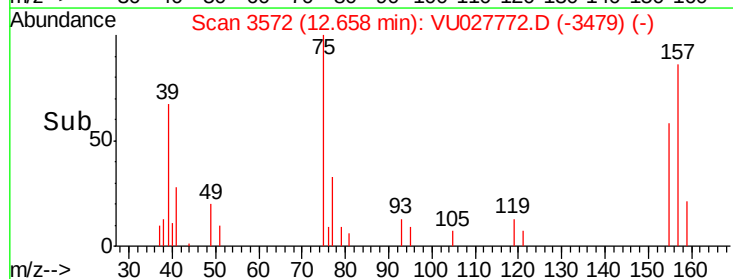
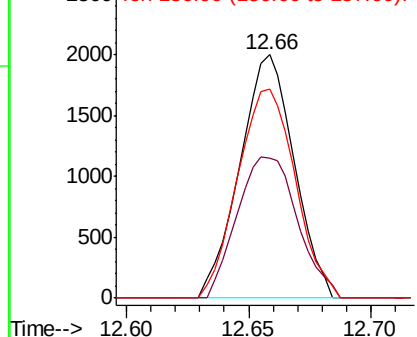


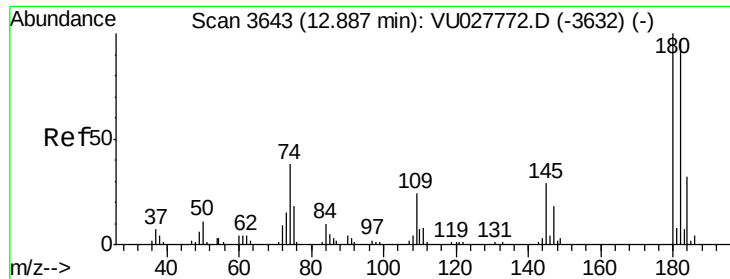
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.521 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027772.D
 Acq: 24 Oct 2018 09:22

Tgt Ion: 75 Resp: 3079
 Ion Ratio Lower Upper
 75 100
 155 57.7 46.2 69.2
 157 86.1 68.9 103.3



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

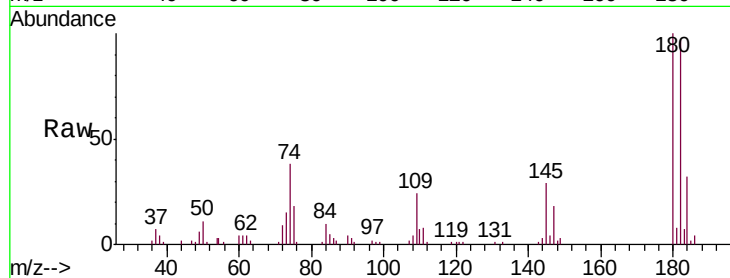




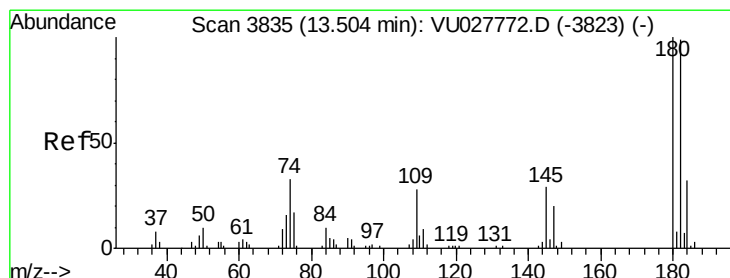
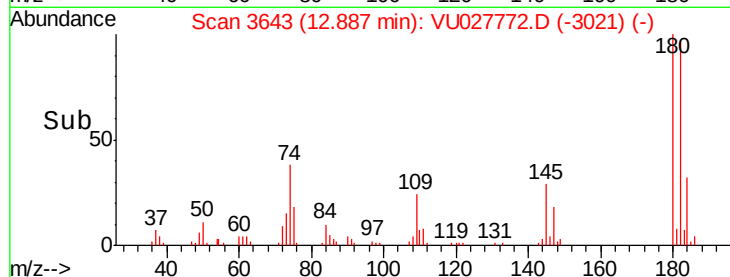
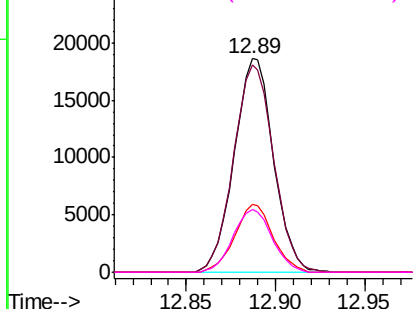
#67
 1,3,5-Trichlorobenzene
 Concen: 4.801 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027772.D
 Acq: 24 Oct 2018 09:22

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00544

Tgt Ion:180 Resp: 28677
 Ion Ratio Lower Upper
 180 100
 182 98.6 78.9 118.3
 184 30.8 24.6 37.0
 145 29.2 23.4 35.0

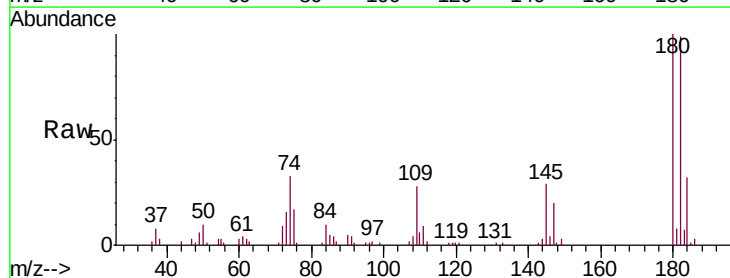


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

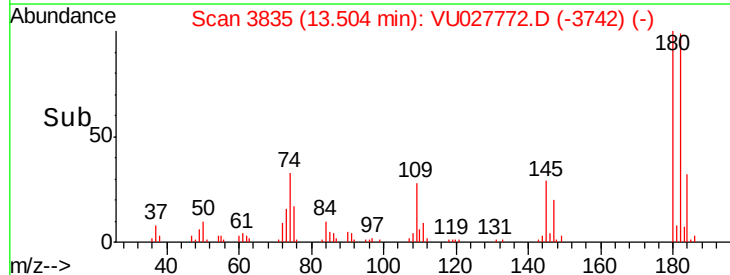
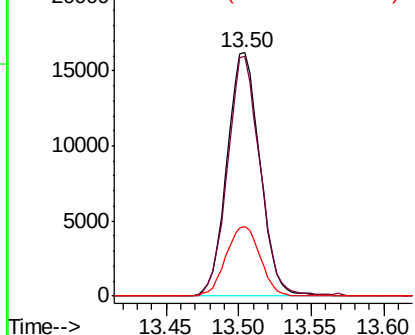


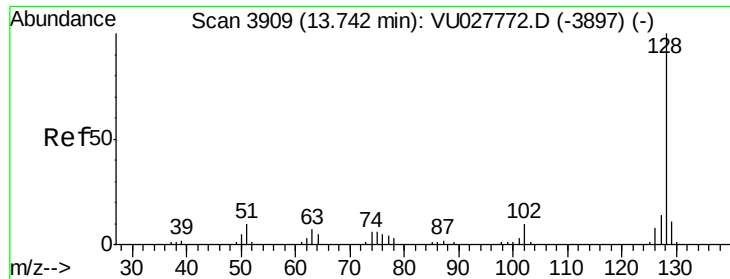
#68
 1,2,4-trichlorobenzene
 Concen: 4.934 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027772.D
 Acq: 24 Oct 2018 09:22

Tgt Ion:180 Resp: 25603
 Ion Ratio Lower Upper
 180 100
 182 97.0 77.6 116.4
 145 29.6 23.7 35.5



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: 5.002 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD00544

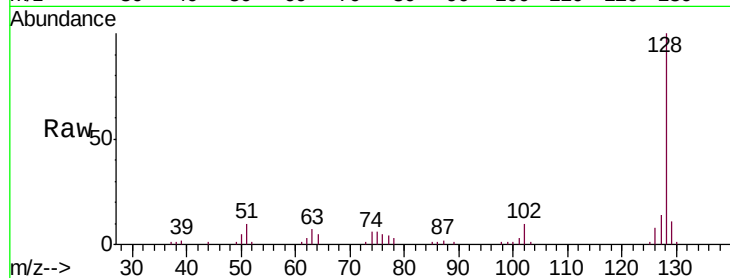
Tgt Ion:128 Resp: 42155

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

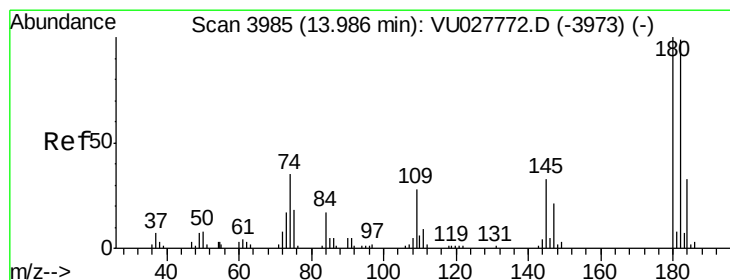
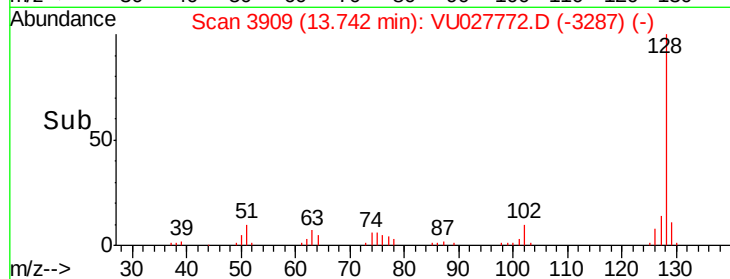
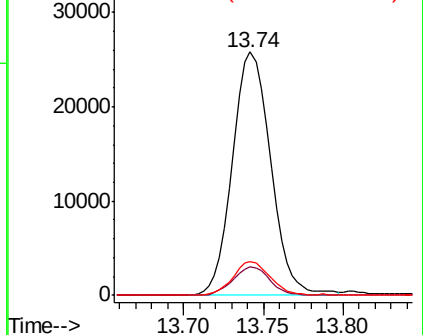
127 13.4 10.7 16.1



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: 4.980 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027772.D

Acq: 24 Oct 2018 09:22

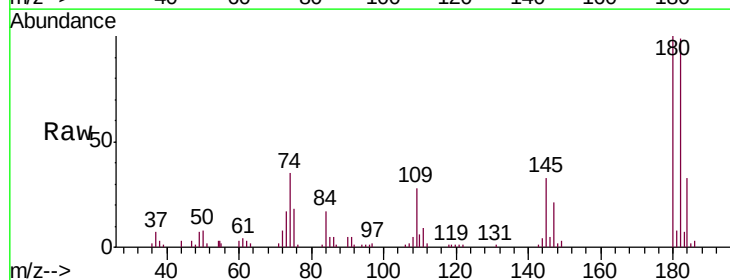
Tgt Ion:180 Resp: 23809

Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 30.8 24.6 37.0



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

