

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
 Data File : VU027666.D
 Acq On : 17 Oct 2018 09:04
 Operator : MD/SY
 Sample : VSTD00543
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Quant Time: Oct 19 05:51:29 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	89411	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	85201	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	43855	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	33664	4.74	ug/L	0.00
7) Chloroethane-d5	1.68	69	25213	4.72	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	60731	4.81	ug/L	0.00
20) 2-Butanone-d5	4.22	46	98581	48.79	ug/L	0.00
24) Chloroform-d	4.65	84	52218	4.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	29957	4.82	ug/L	0.00
32) Benzene-d6	5.34	84	113422	4.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	39982	4.94	ug/L	0.00
41) Toluene-d8	7.57	98	109425	4.87	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	16021	4.49	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	87520	50.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	29570	4.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	39578	4.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	33455	4.584 ug/L	100
3) Chloromethane	1.33	50	41012	4.719 ug/L	100
5) Vinyl chloride	1.40	62	42021	4.816 ug/L	100
6) Bromomethane	1.64	94	22051	4.712 ug/L	100
8) Chloroethane	1.70	64	24403	4.852 ug/L	100
9) Trichlorofluoromethane	1.89	101	48110	4.777 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	28763	4.733 ug/L	100
12) 1,1-Dichloroethene	2.29	96	28056	4.637 ug/L	100
13) Acetone	2.36	43	62065	48.038 ug/L	100
14) Carbon disulfide	2.48	76	100895	4.814 ug/L	100
15) Methyl Acetate	2.63	43	16053	4.653 ug/L	100
16) Methylene chloride	2.71	84	31085	4.710 ug/L	100
17) Methyl tert-butyl Ether	3.01	73	80876	4.835 ug/L	100
18) trans-1,2-Dichloroethene	2.99	96	30972	4.815 ug/L	100
19) 1,1-Dichloroethane	3.45	63	59945	4.682 ug/L	100
21) 2-Butanone	4.31	43	110487	49.217 ug/L	100
22) cis-1,2-Dichloroethene	4.23	96	34307	4.819 ug/L	100
23) Bromochloromethane	4.55	128	14757	4.603 ug/L	100
25) Chloroform	4.68	83	58931	4.770 ug/L	100
27) 1,2-Dichloroethane	5.41	62	37327	4.773 ug/L	100
29) 1,1,1-Trichloroethane	4.92	97	50545	4.839 ug/L	100
30) Cyclohexane	4.99	56	63028	4.802 ug/L	100
31) Carbon tetrachloride	5.13	117	44784	4.734 ug/L	100
33) Benzene	5.39	78	131650	4.721 ug/L	100
34) Trichloroethene	6.18	95	34977	4.846 ug/L	100
35) Methylcyclohexane	6.41	83	59646	4.796 ug/L	100
37) 1,2-Dichloropropane	6.44	63	38182	4.769 ug/L	100
38) Bromodichloromethane	6.76	83	43740	4.701 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	57764	4.961 ug/L	100
40) 4-Methyl-2-pentanone	7.48	43	265233	49.078 ug/L	100

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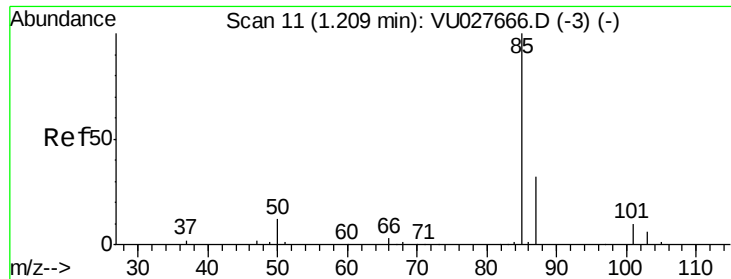
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	142359	4.752	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	47224	4.915	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	24963	4.848	ug/L	100
47) Tetrachloroethene	8.23	164	27426	4.760	ug/L	100
48) 2-Hexanone	8.38	43	193817	50.056	ug/L	100
49) Dibromochloromethane	8.48	129	31261	4.886	ug/L	100
50) 1,2-Dibromoethane	8.59	107	23542	4.879	ug/L	100
51) Chlorobenzene	9.12	112	88846	4.833	ug/L	100
52) Ethylbenzene	9.25	91	159627	4.808	ug/L	100
53) m,p-xylene	9.38	106	59362	4.805	ug/L	100
54) o-xylene	9.78	106	58533	4.826	ug/L	100
55) Styrene	9.79	104	100162	4.911	ug/L	100
56) Isopropylbenzene	10.17	105	155848	4.832	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	30632	4.548	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	22370	4.862	ug/L	100
61) Bromoform	9.96	173	18911	4.813	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	71044	4.879	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	70036	4.796	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	67793	4.847	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	5502	4.778	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	55937	4.733	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	50019	4.909	ug/L	100
69) Naphthalene	13.74	128	84468	4.959	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	45699	4.802	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.584 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

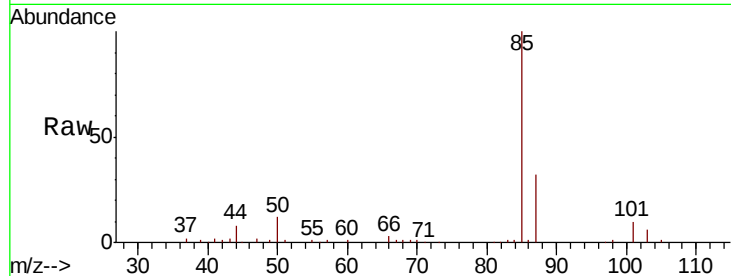
VSTD00543

Tgt Ion: 85 Resp: 33455

Ion Ratio Lower Upper

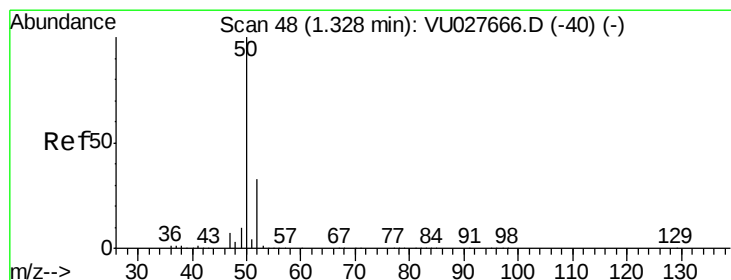
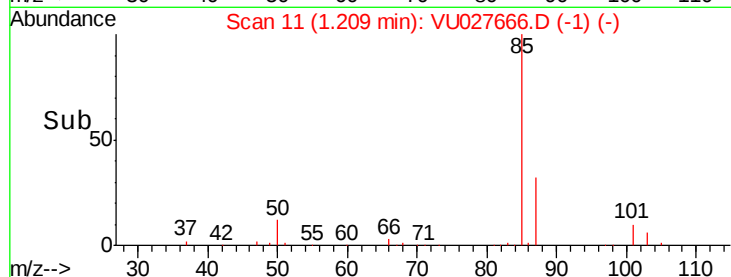
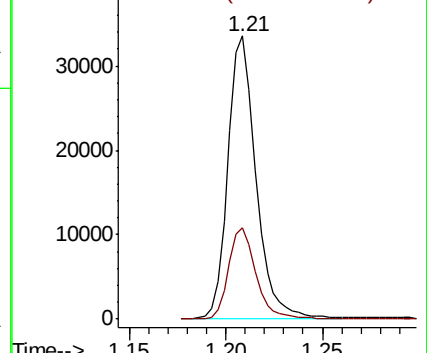
85 100

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: 4.719 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU027666.D

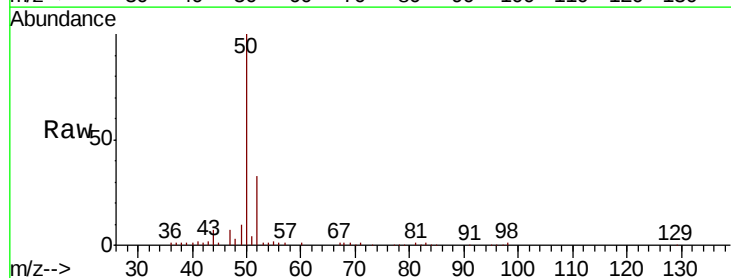
Acq: 17 Oct 2018 09:04

Tgt Ion: 50 Resp: 41012

Ion Ratio Lower Upper

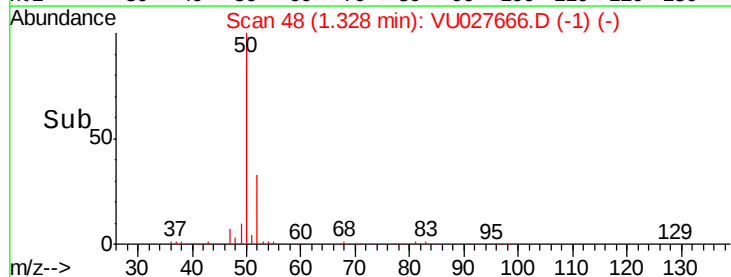
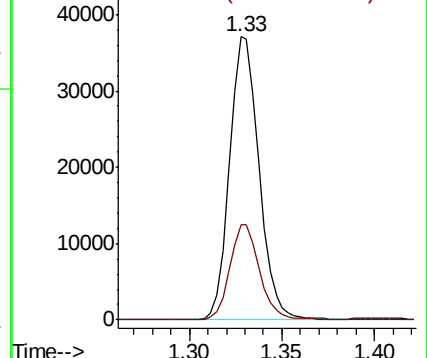
50 100

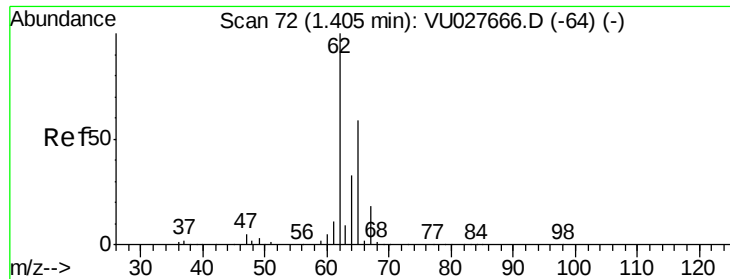
52 33.5 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.816 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

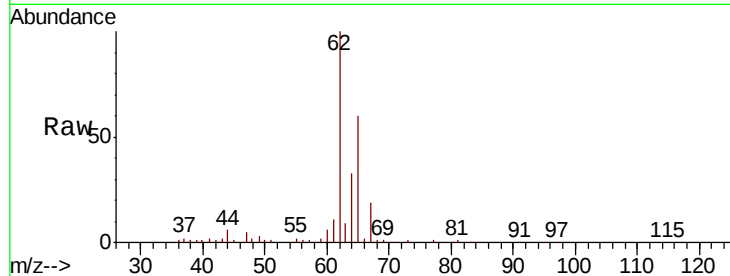
VSTD00543

Tgt Ion: 62 Resp: 42021

Ion Ratio Lower Upper

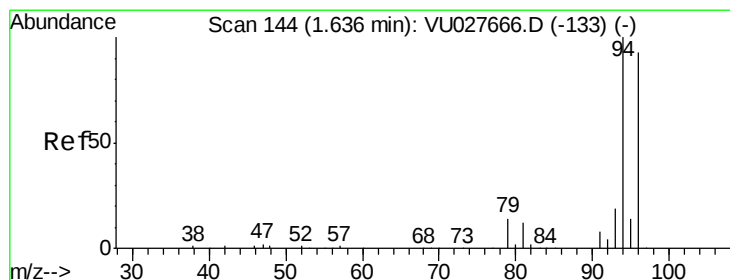
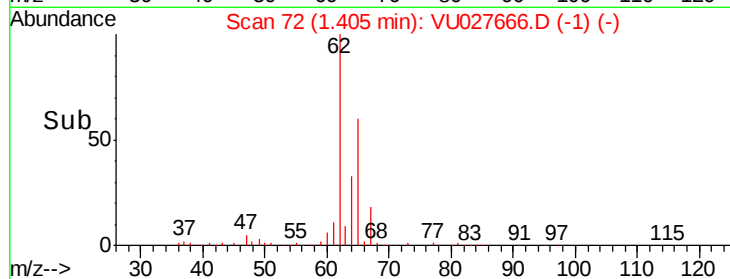
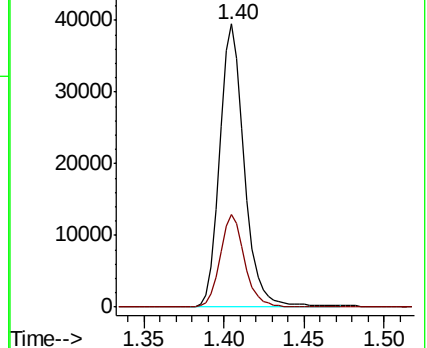
62 100

64 32.7 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: 4.712 ug/L

RT: 1.64 min Scan# 144

Delta R.T. 0.00 min

Lab File: VU027666.D

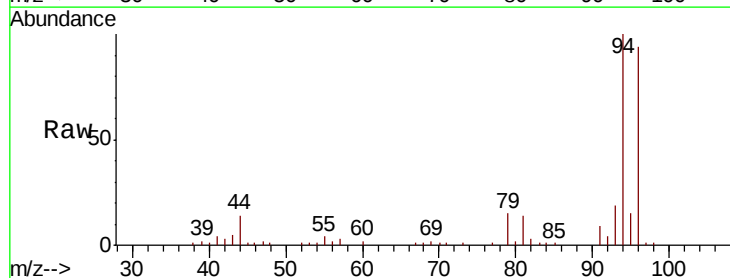
Acq: 17 Oct 2018 09:04

Tgt Ion: 94 Resp: 22051

Ion Ratio Lower Upper

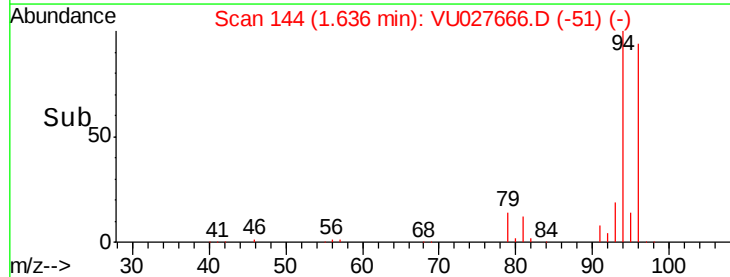
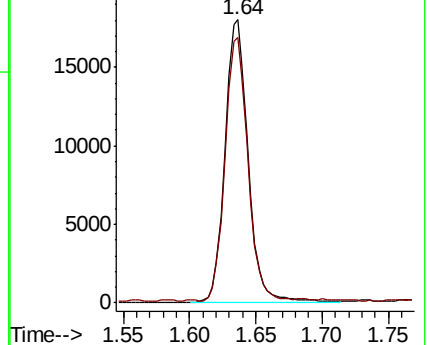
94 100

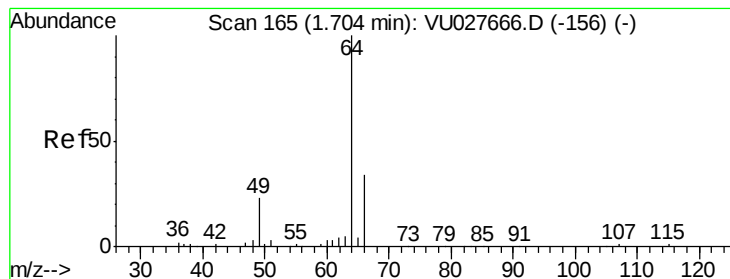
96 93.9 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.852 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

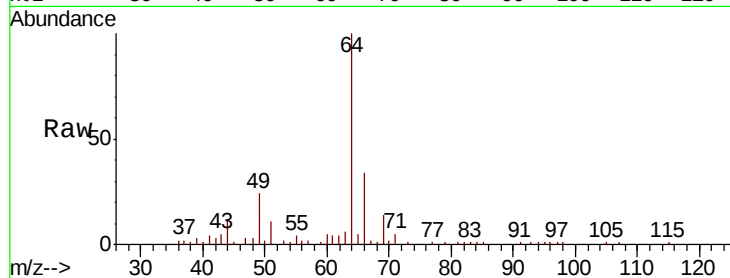
VSTD00543

Tgt Ion: 64 Resp: 24403

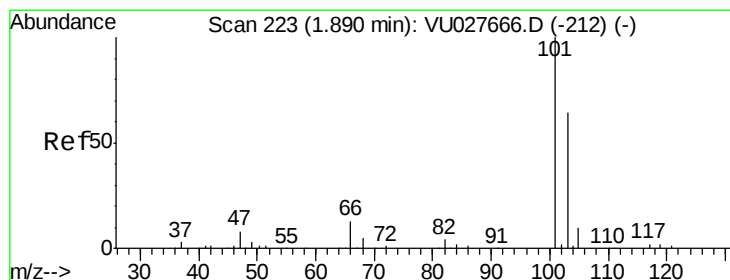
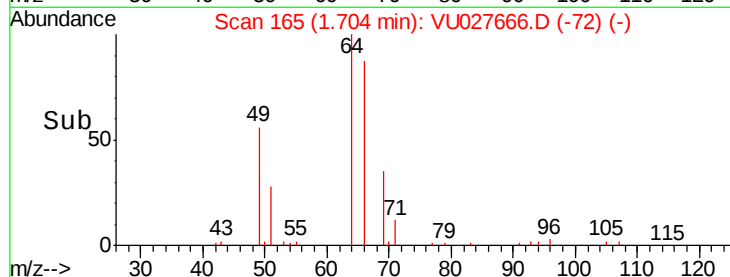
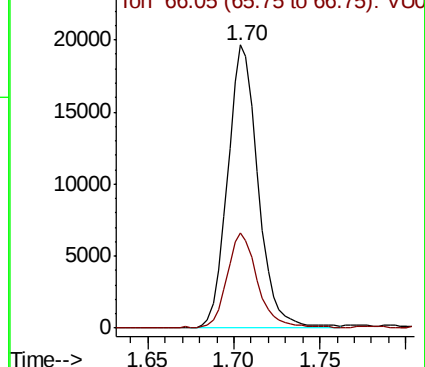
Ion Ratio Lower Upper

64 100

66 33.6 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU027666.D (-156) (-)



#9

Trichlorofluoromethane

Concen: 4.777 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU027666.D

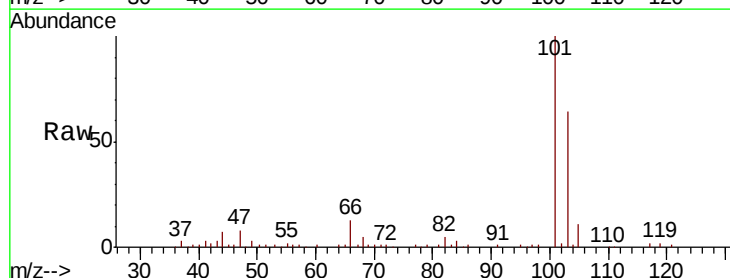
Acq: 17 Oct 2018 09:04

Tgt Ion: 101 Resp: 48110

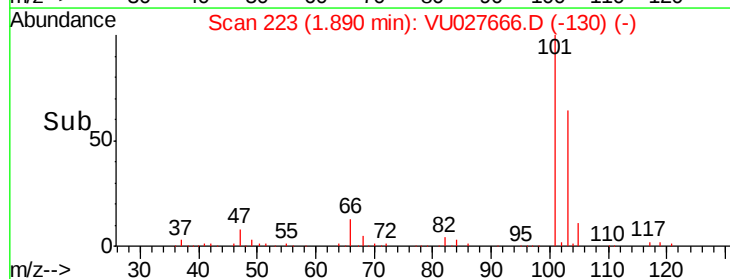
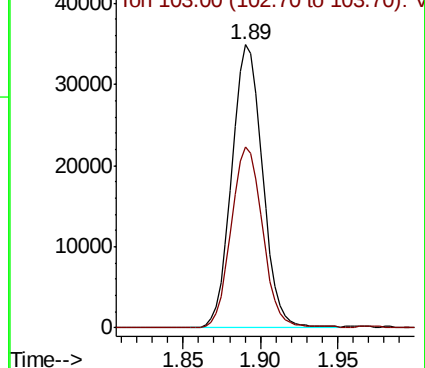
Ion Ratio Lower Upper

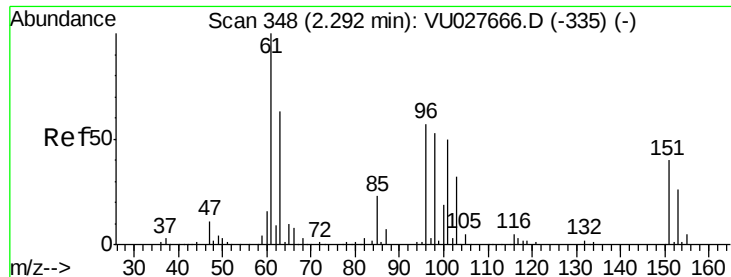
101 100

103 65.3 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU027666.D (-212) (-)





#10

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

Concen: 4.733 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

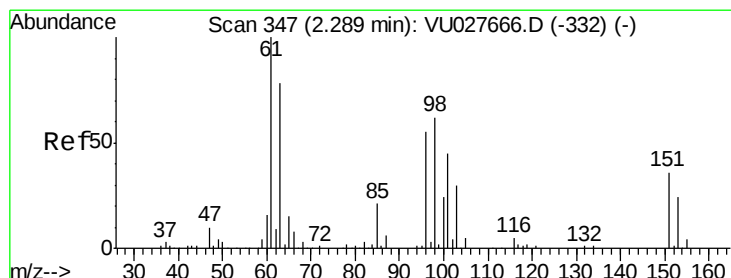
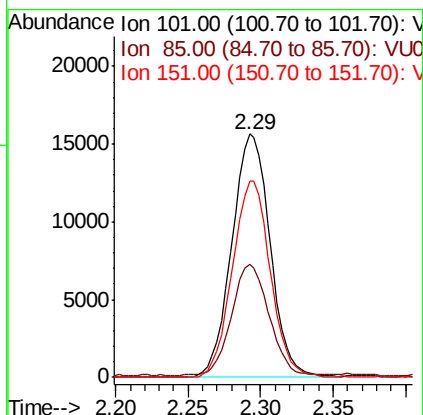
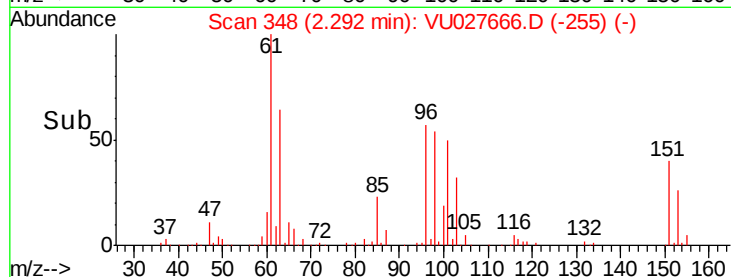
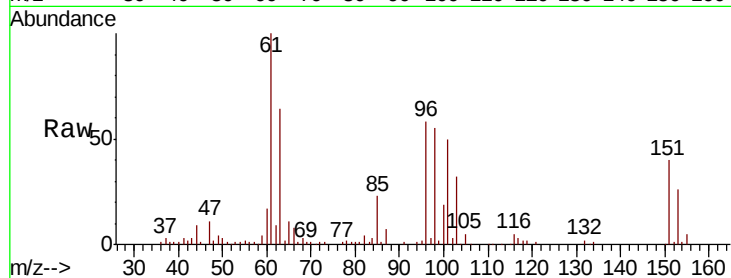
Tgt Ion: 101 Resp: 28763

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

151 79.7 63.8 95.6



#12

1,1-Dichloroethene

Concen: 4.637 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

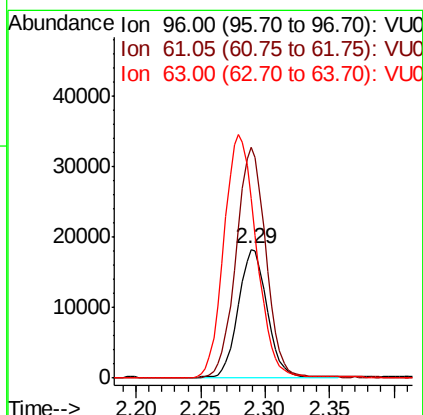
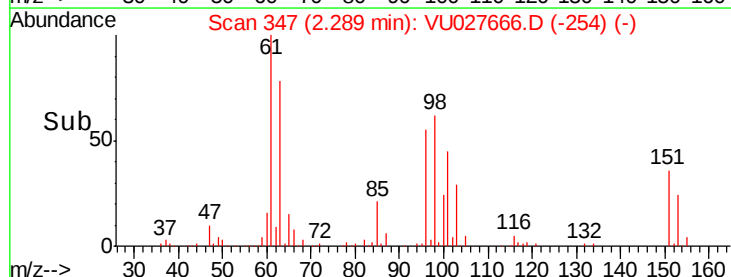
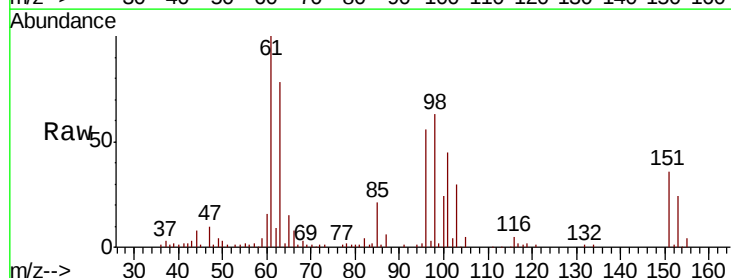
Tgt Ion: 96 Resp: 28056

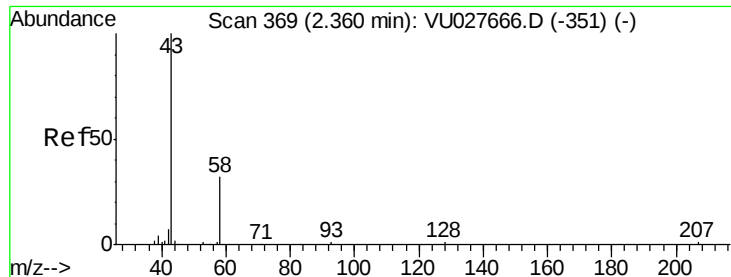
Ion Ratio Lower Upper

96 100

61 179.4 125.6 233.2

63 139.4 97.6 181.2





#13

Acetone

Concen: 48.038 ug/L

RT: 2.36 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

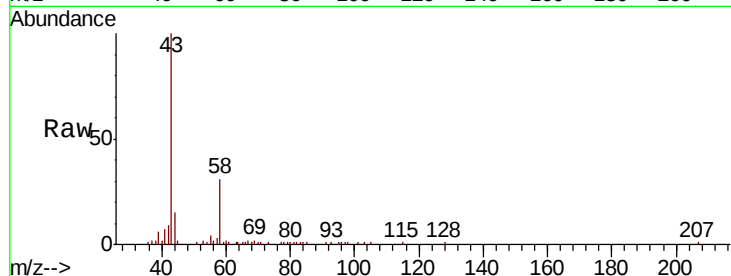
VSTD00543

Tgt Ion: 43 Resp: 62065

Ion Ratio Lower Upper

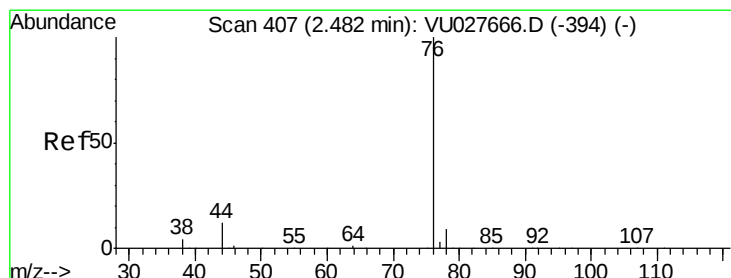
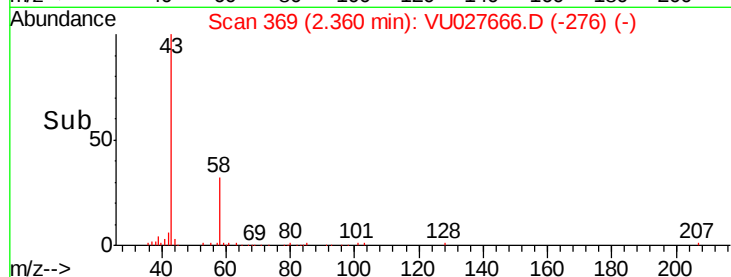
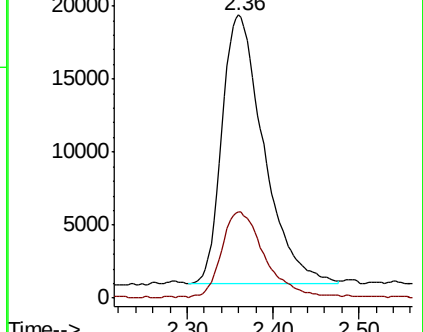
43 100

58 33.2 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: 4.814 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027666.D

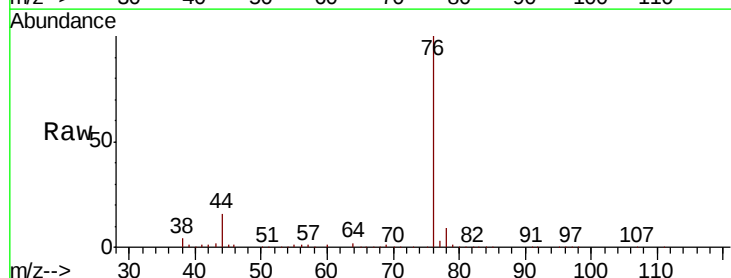
Acq: 17 Oct 2018 09:04

Tgt Ion: 76 Resp: 100895

Ion Ratio Lower Upper

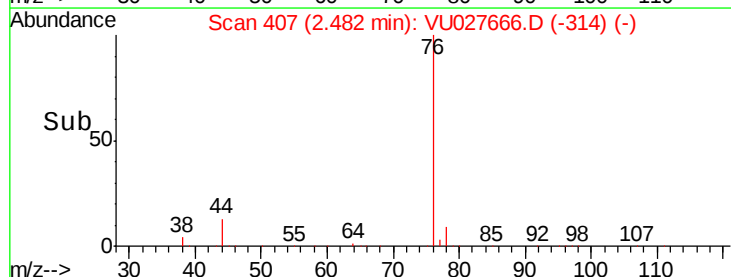
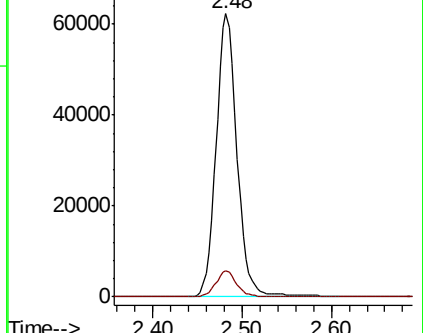
76 100

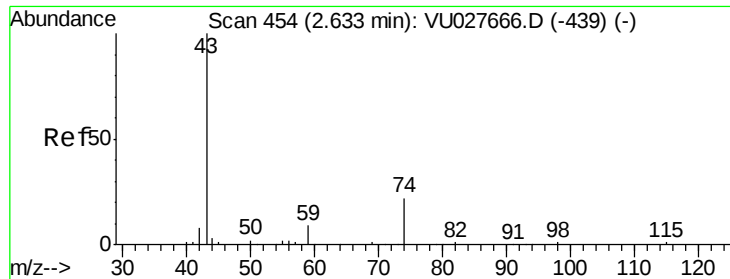
78 9.2 7.4 11.0



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

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

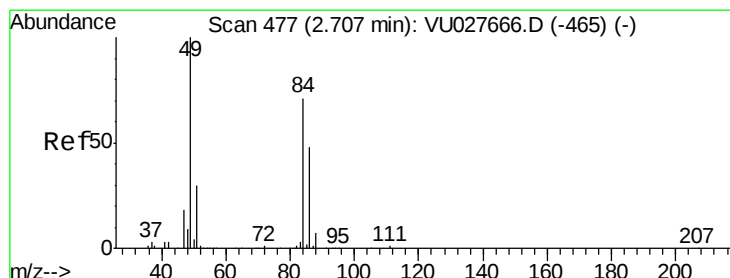
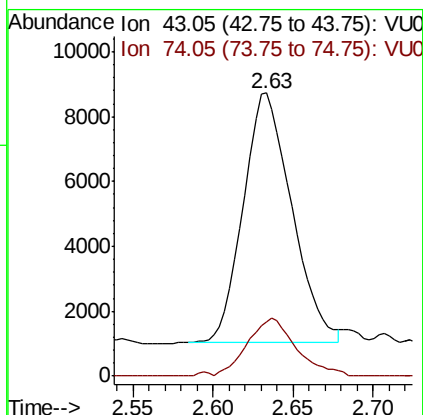
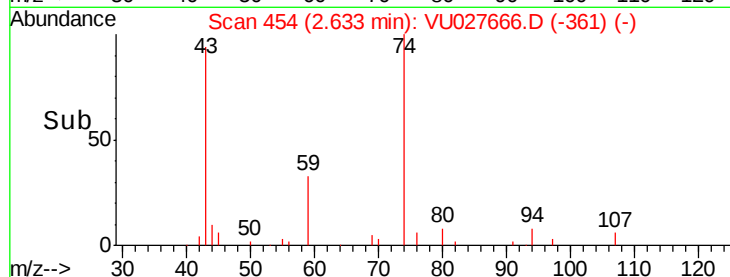
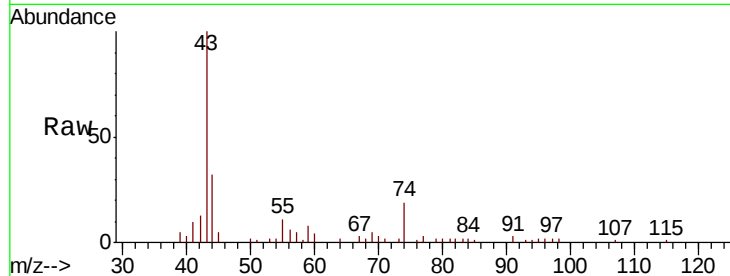




#15
Methyl Acetate
Concen: 4.653 ug/L
RT: 2.63 min Scan# 454
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

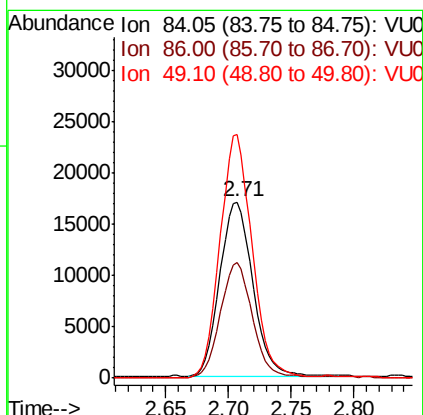
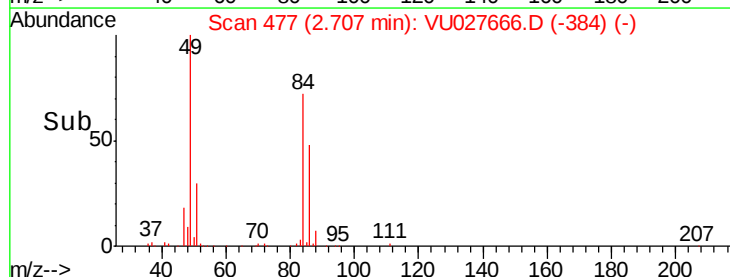
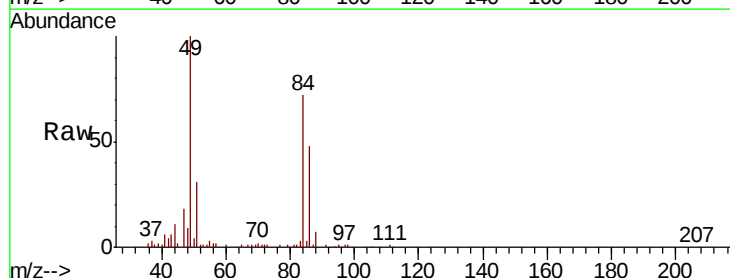
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

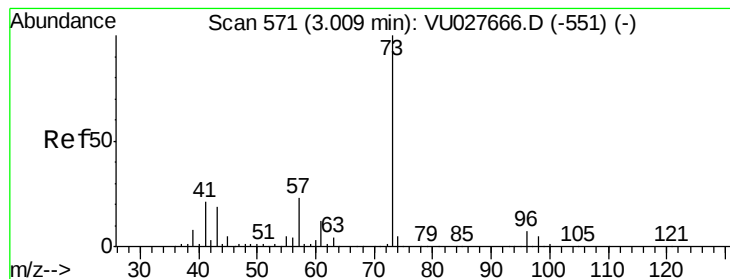
Tgt Ion: 43 Resp: 16053
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1



#16
Methylene chloride
Concen: 4.710 ug/L
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

Tgt Ion: 84 Resp: 31085
Ion Ratio Lower Upper
84 100
86 65.9 46.1 85.7
49 138.4 96.9 179.9





#17

Methyl tert-butyl Ether

Concen: 4.835 ug/L

RT: 3.01 min Scan# 571

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

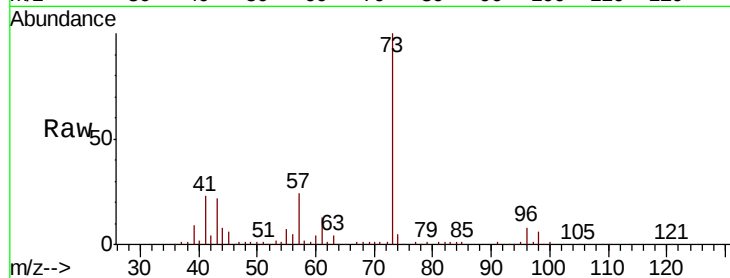
Tgt Ion: 73 Resp: 80876

Ion Ratio Lower Upper

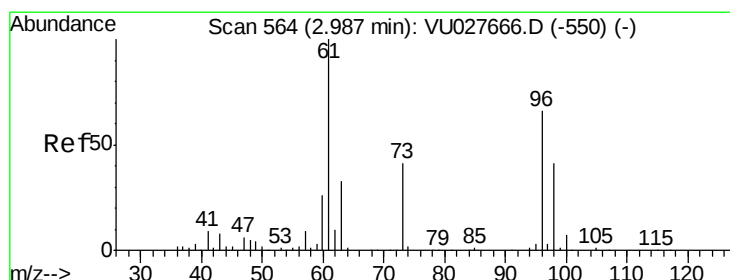
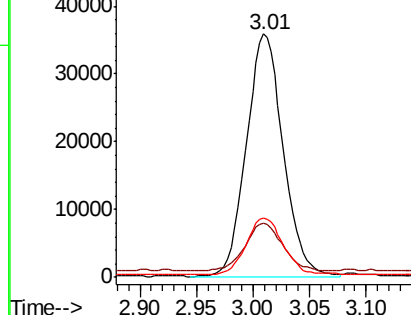
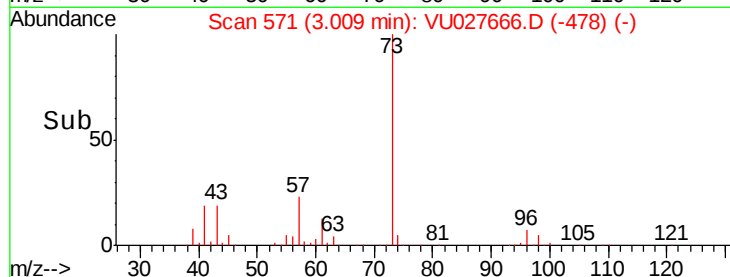
73 100

43 19.8 15.8 23.8

57 23.4 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: 4.815 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

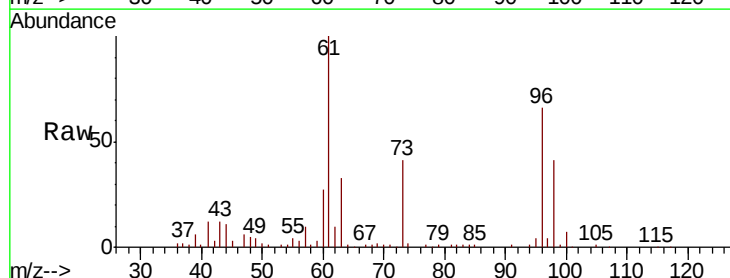
Tgt Ion: 96 Resp: 30972

Ion Ratio Lower Upper

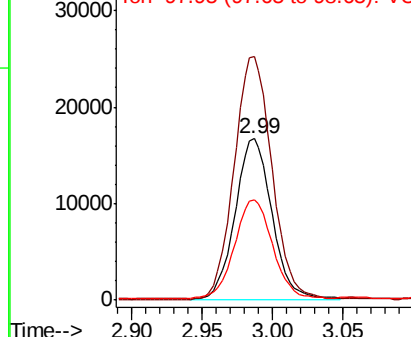
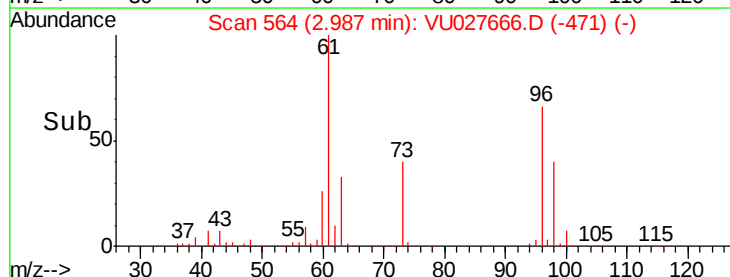
96 100

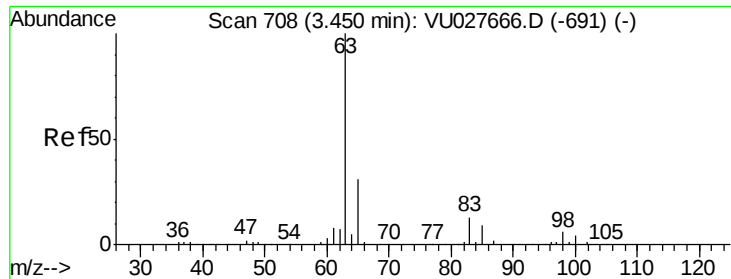
61 151.1 105.8 196.4

98 62.3 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

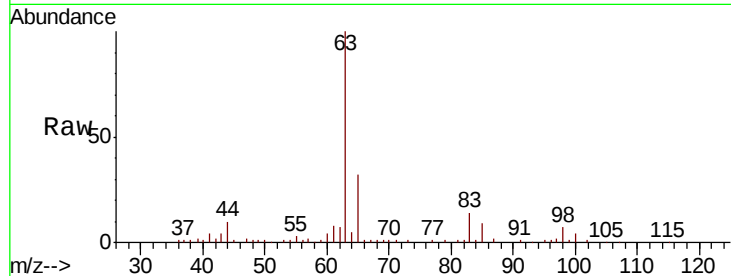




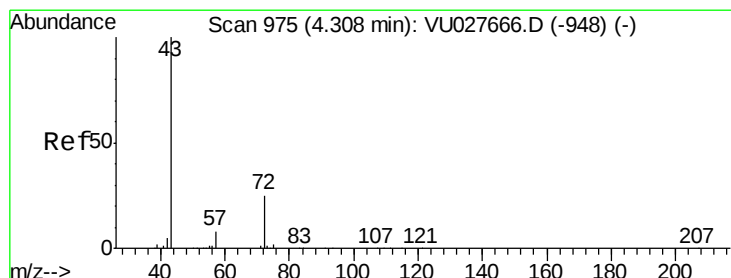
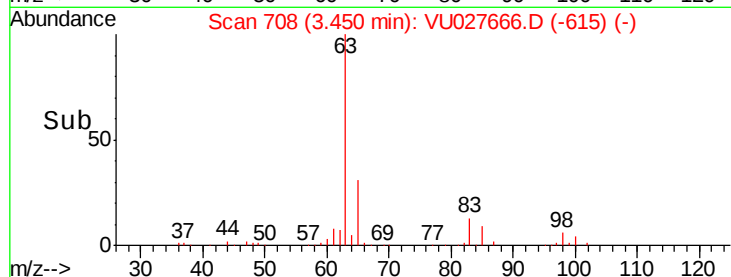
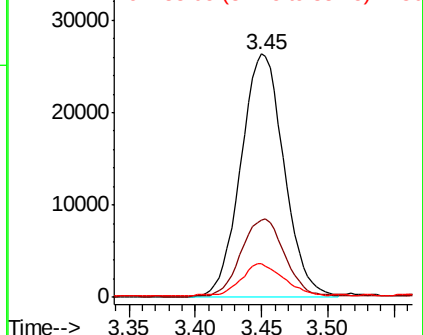
#19
 1,1-Dichloroethane
 Concen: 4.682 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Tgt Ion: 63 Resp: 59945
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.3
 83 13.8 9.7 17.9

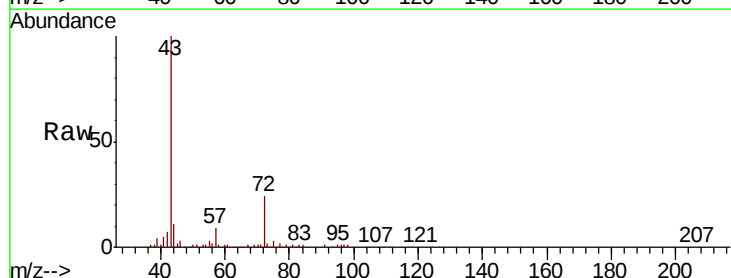


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

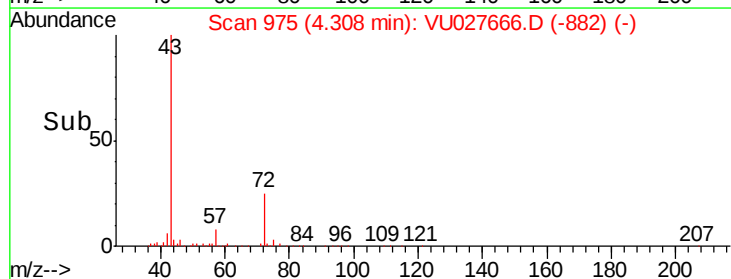
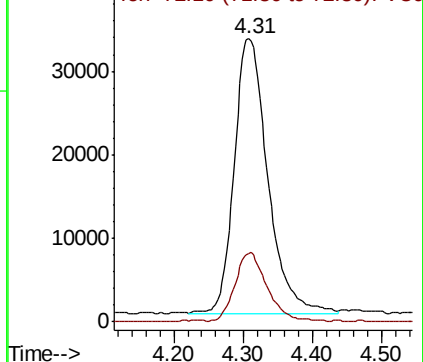


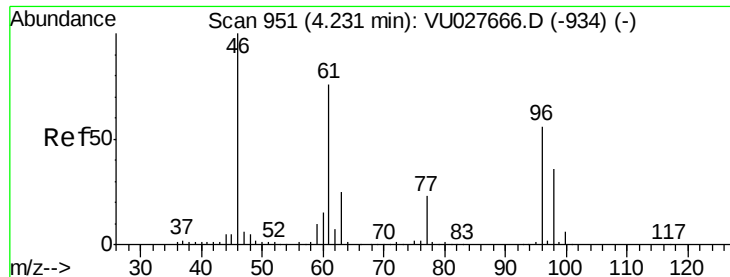
#21
 2-Butanone
 Concen: 49.217 ug/L
 RT: 4.31 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

Tgt Ion: 43 Resp: 110487
 Ion Ratio Lower Upper
 43 100
 72 23.4 11.7 35.1



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



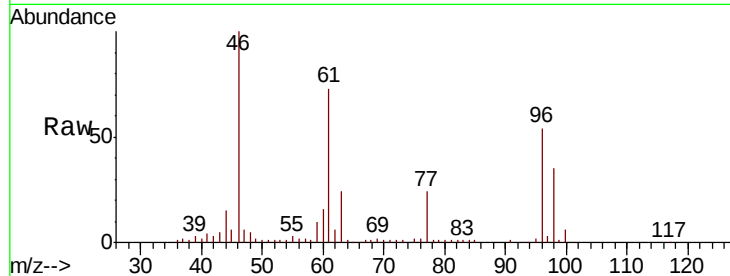


#22

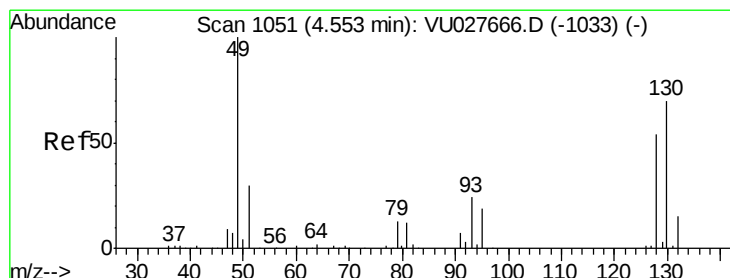
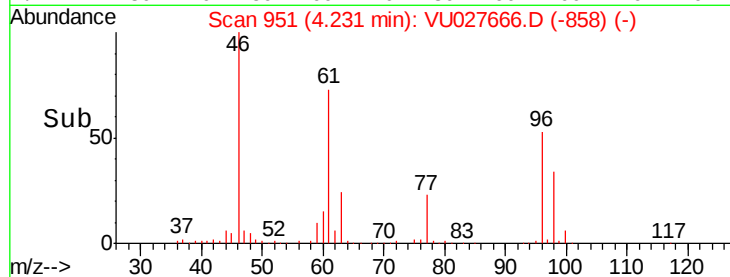
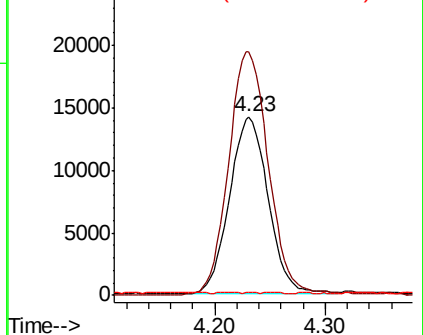
cis-1,2-Dichloroethene
Concen: 4.819 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Tgt Ion: 96 Resp: 34307
Ion Ratio Lower Upper
96 100
61 136.1 95.3 176.9
68 1.6 1.1 2.1



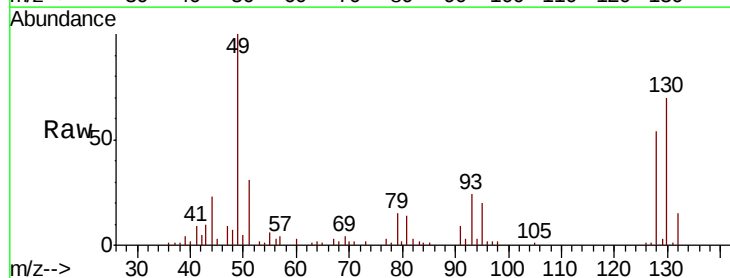
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



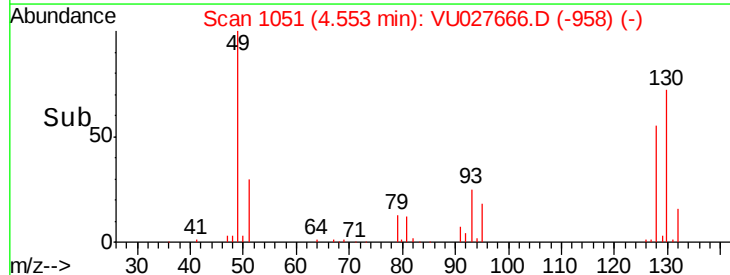
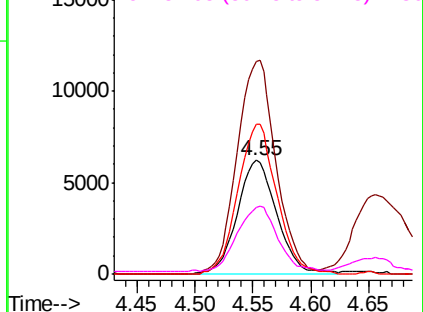
#23

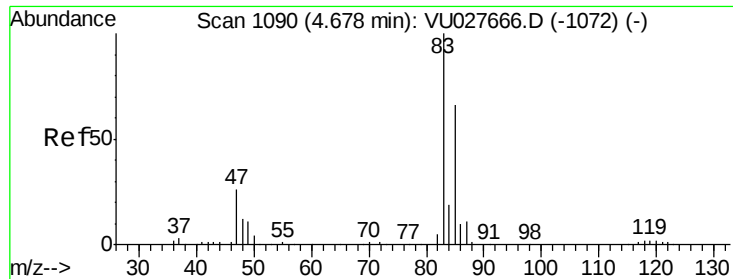
Bromochloromethane
Concen: 4.603 ug/L
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

Tgt Ion: 128 Resp: 14757
Ion Ratio Lower Upper
128 100
49 186.3 130.4 242.2
130 131.3 91.9 170.7
51 58.4 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

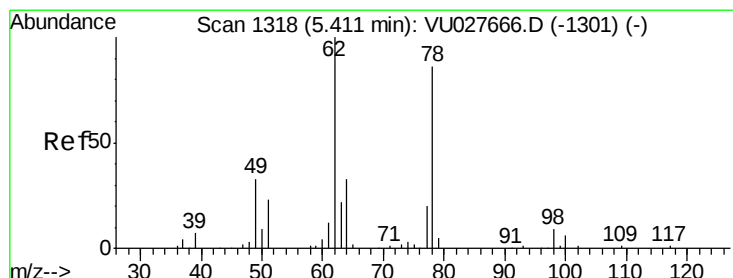
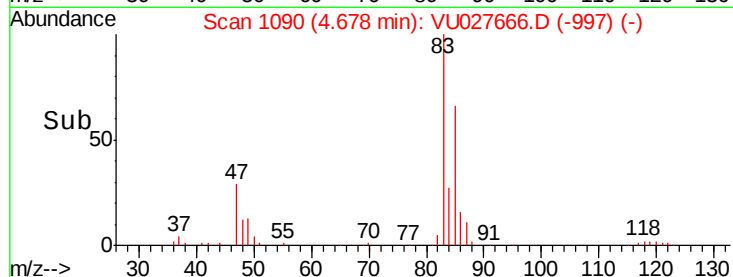
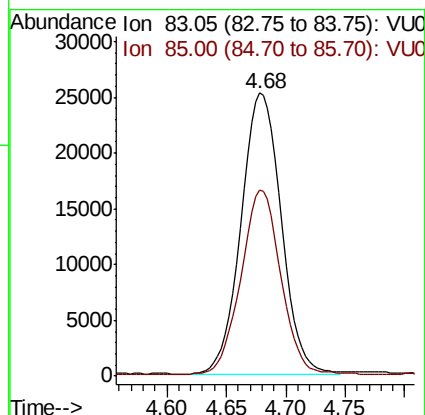
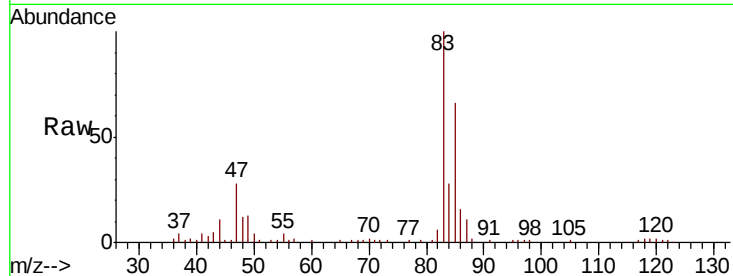




#25
Chloroform
Concen: 4.770 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

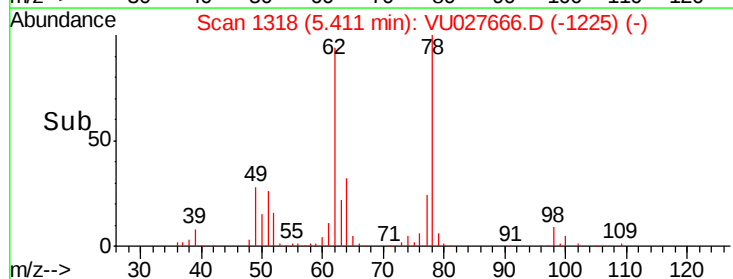
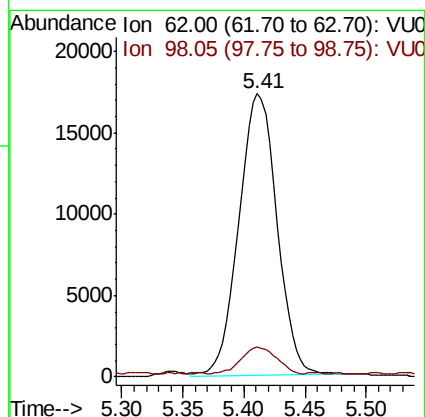
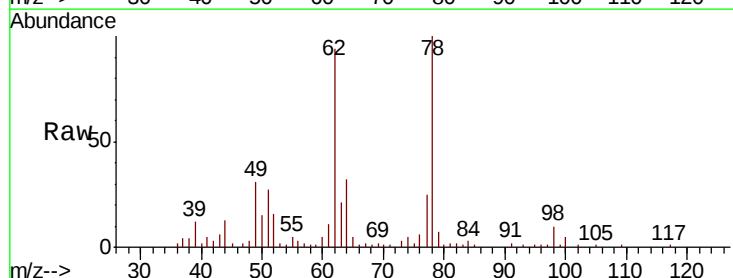
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

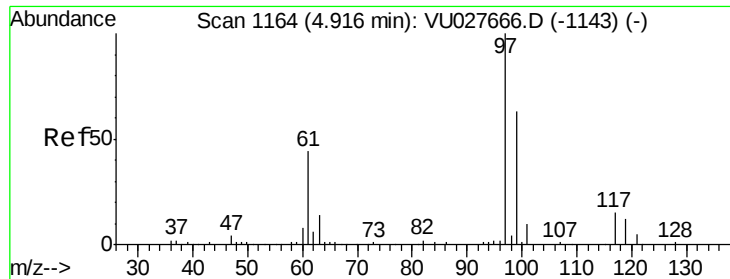
Tgt Ion: 83 Resp: 58931
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 4.773 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

Tgt Ion: 62 Resp: 37327
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6

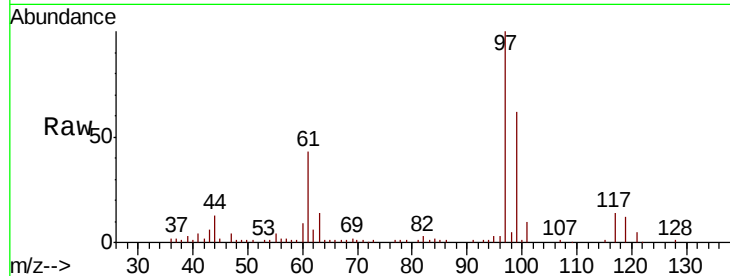




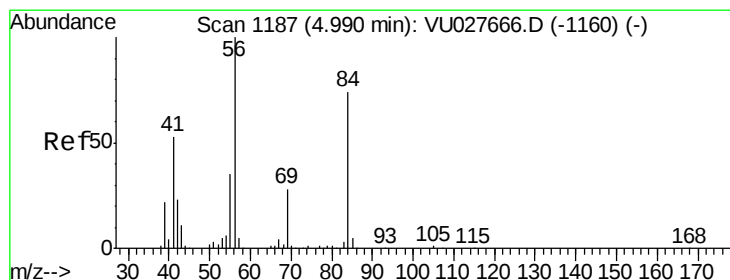
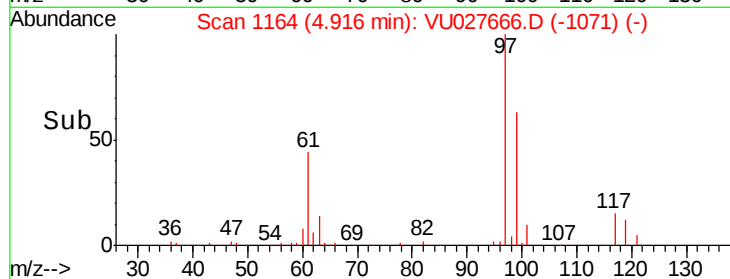
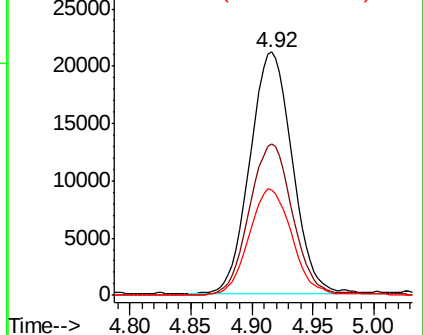
#29
 1,1,1-Trichloroethane
 Concen: 4.839 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

Tgt Ion: 97 Resp: 50545
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.4 77.2
 61 44.6 35.7 53.5

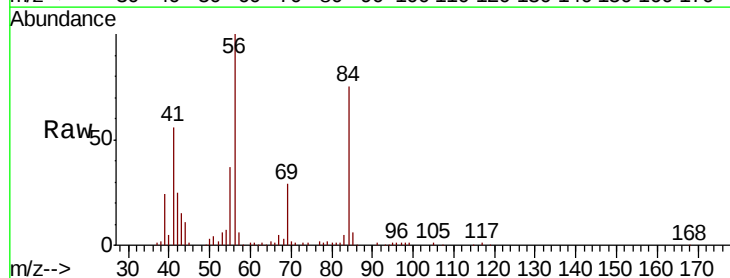


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

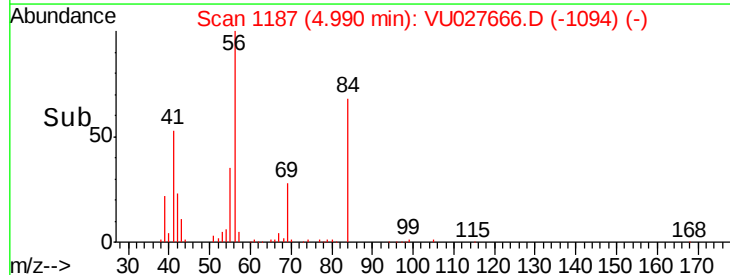
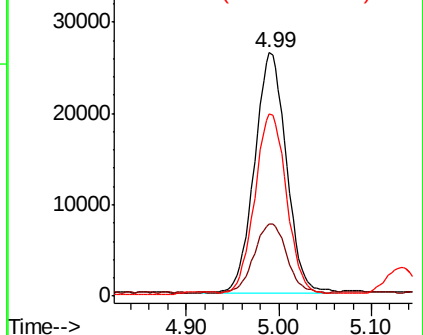


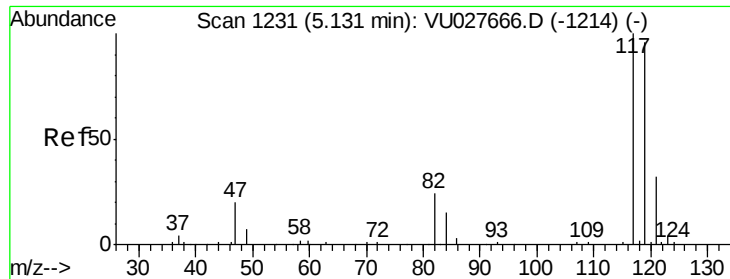
#30
 Cyclohexane
 Concen: 4.802 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

Tgt Ion: 56 Resp: 63028
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.4 35.2
 84 74.3 59.4 89.2



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: 4.734 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

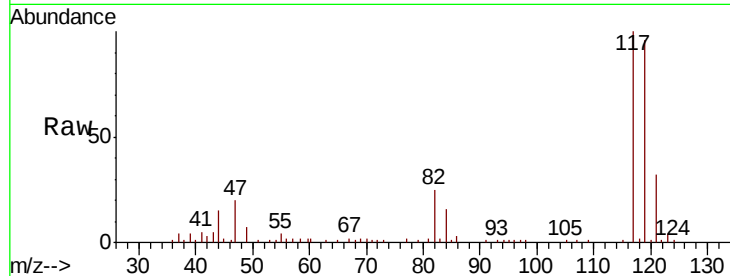
VSTD00543

Tgt Ion:117 Resp: 44784

Ion Ratio Lower Upper

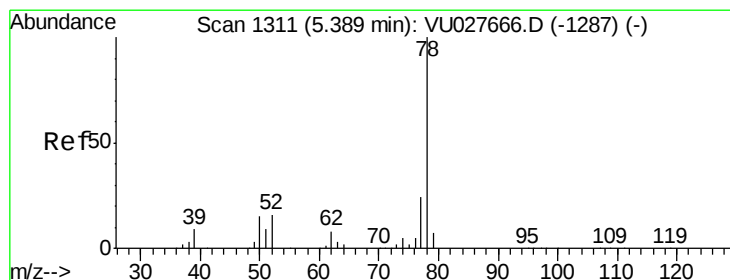
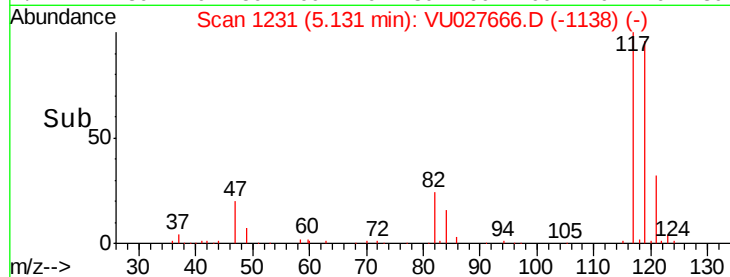
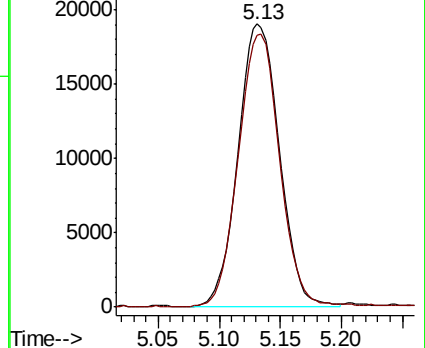
117 100

119 96.4 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.721 ug/L

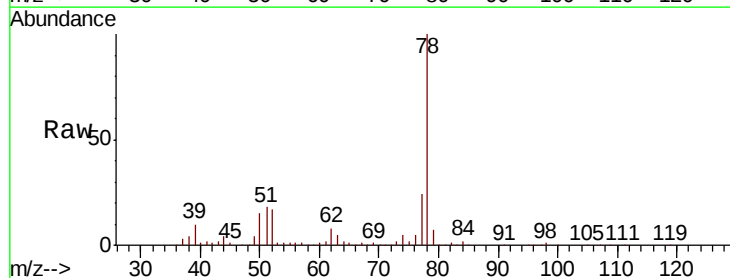
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

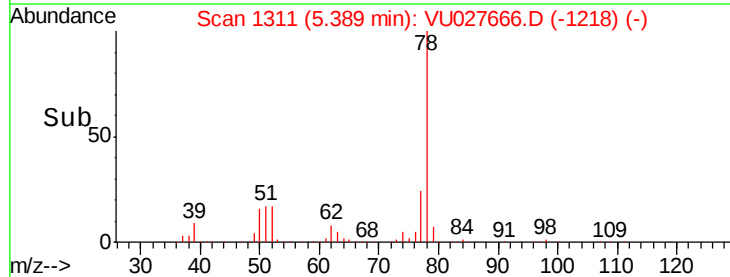
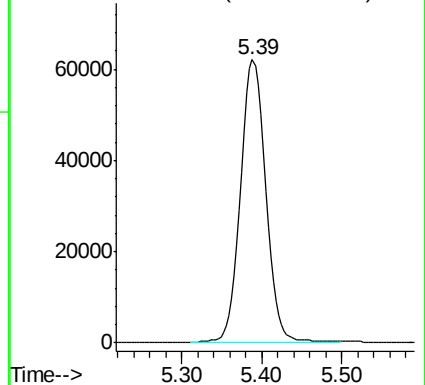
Lab File: VU027666.D

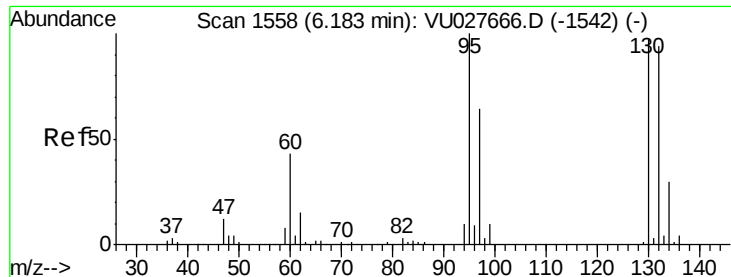
Acq: 17 Oct 2018 09:04

Tgt Ion: 78 Resp: 131650



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.846 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

Tgt Ion: 95 Resp: 34977

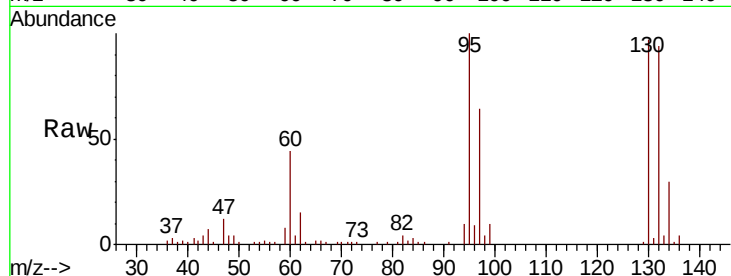
Ion Ratio Lower Upper

95 100

97 63.9 44.7 83.1

132 94.2 65.9 122.5

130 97.0 67.9 126.1

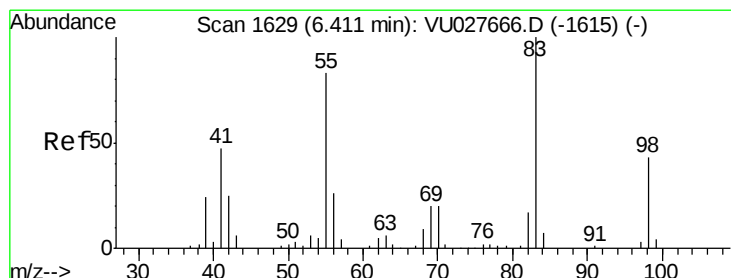
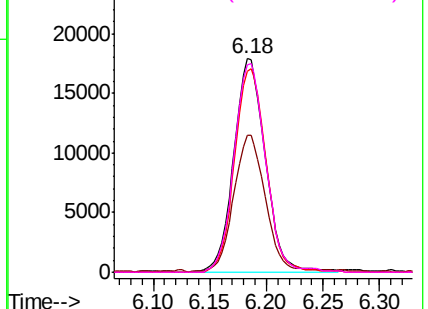
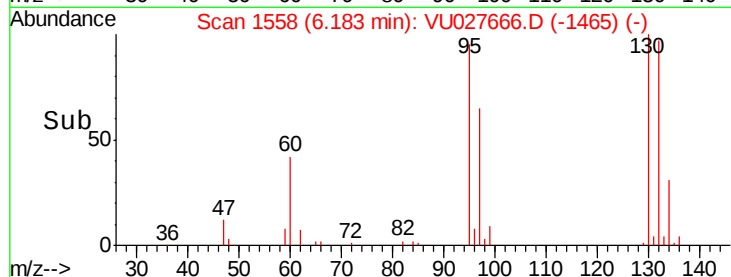


Abundance Ion 95.00 (94.70 to 95.70): VU027666.D (-1542) (-)

Ion 96.95 (96.65 to 97.65): VU027666.D (-1542) (-)

Ion 131.95 (131.65 to 132.65): VU027666.D (-1542) (-)

Ion 129.95 (129.65 to 130.65): VU027666.D (-1542) (-)



#35

Methylcyclohexane

Concen: 4.796 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

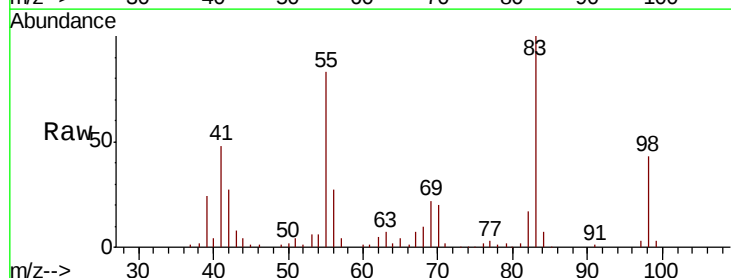
Tgt Ion: 83 Resp: 59646

Ion Ratio Lower Upper

83 100

55 86.2 69.0 103.4

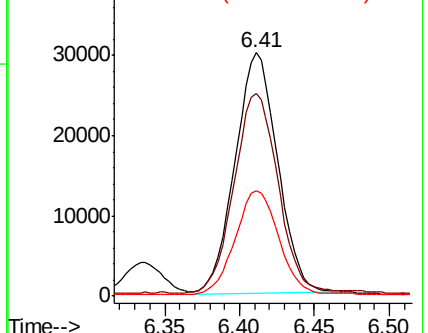
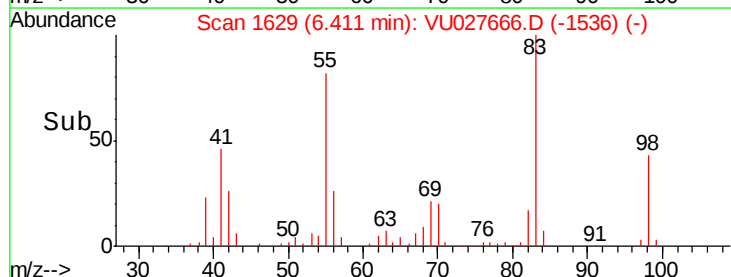
98 44.3 35.4 53.2

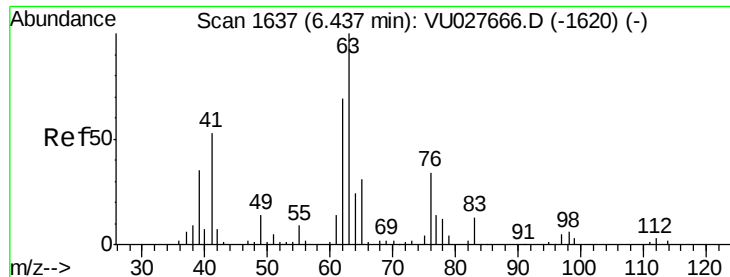


Abundance Ion 83.15 (82.85 to 83.85): VU027666.D (-1615) (-)

Ion 55.10 (54.80 to 55.80): VU027666.D (-1615) (-)

Ion 98.15 (97.85 to 98.85): VU027666.D (-1615) (-)

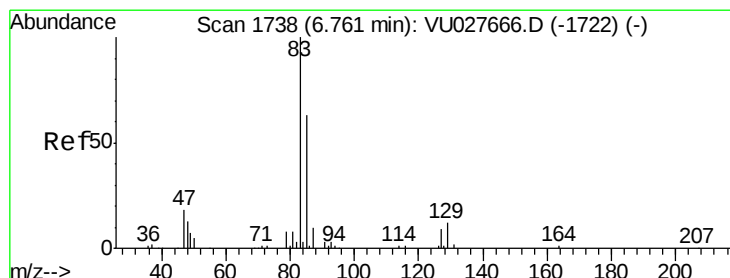
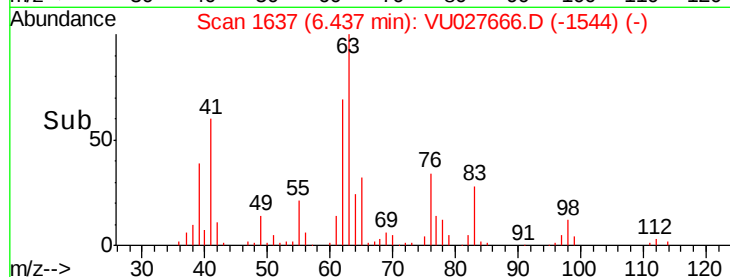
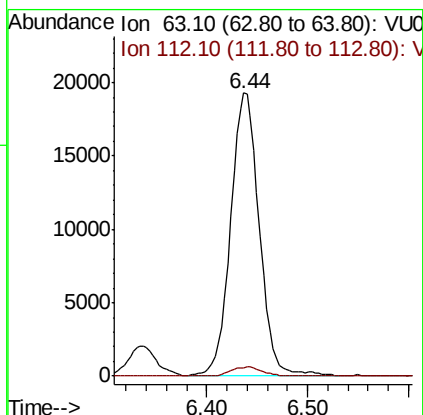
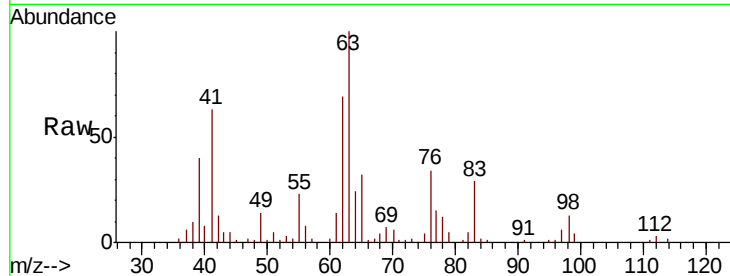




#37
 1,2-Dichloropropane
 Concen: 4.769 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

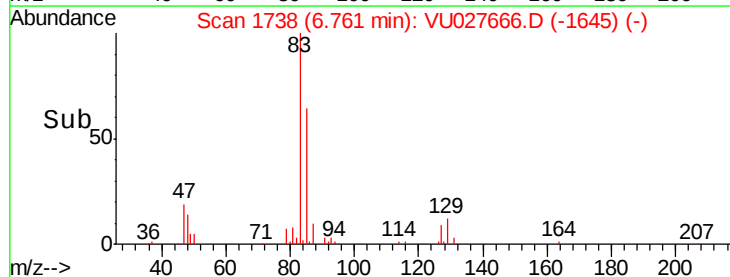
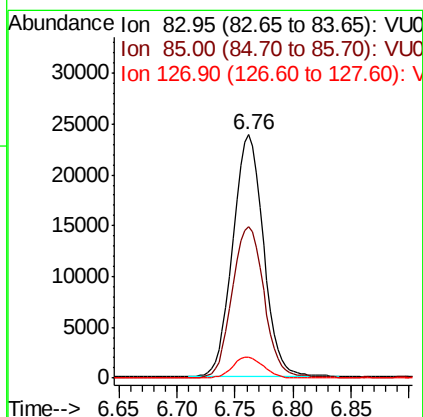
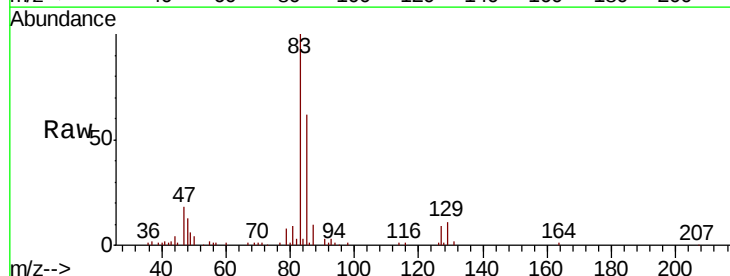
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

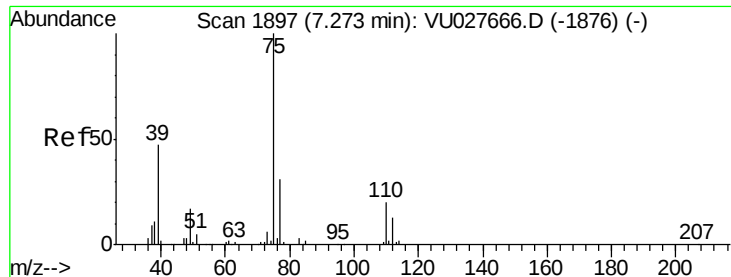
Tgt Ion: 63 Resp: 38182
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.8 4.2



#38
 Bromodichloromethane
 Concen: 4.701 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

Tgt Ion: 83 Resp: 43740
 Ion Ratio Lower Upper
 83 100
 85 62.4 43.7 81.1
 127 8.7 7.0 10.4

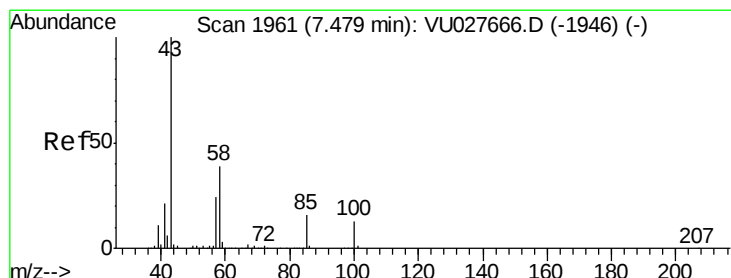
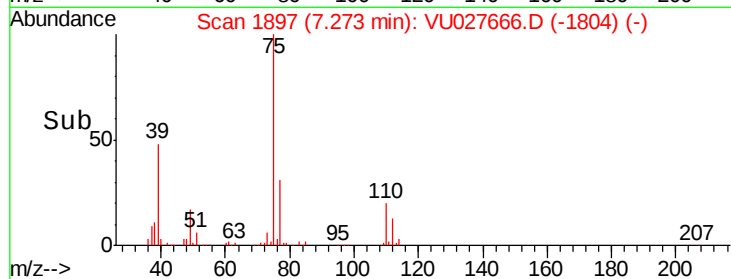
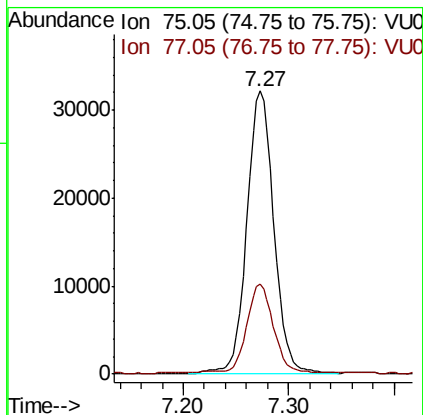
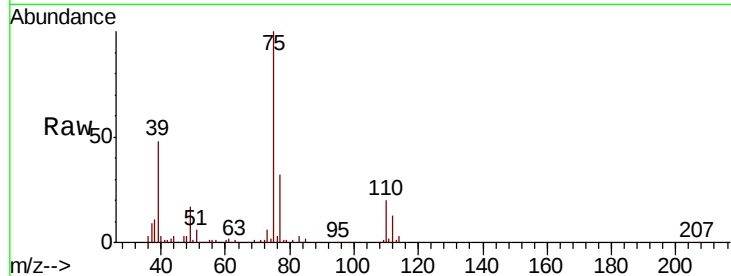




#39
 cis-1,3-Dichloropropene
 Concen: 4.961 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

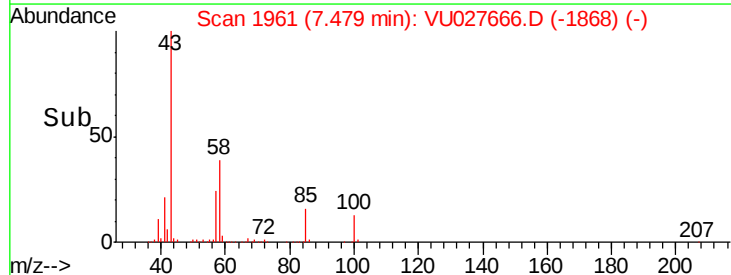
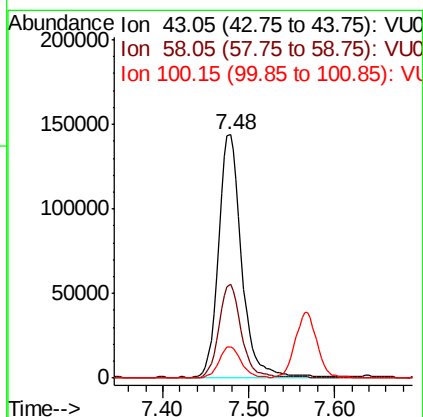
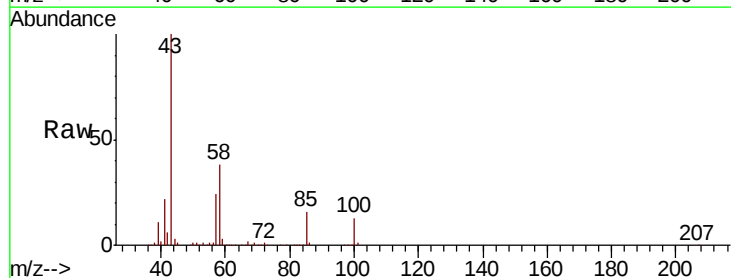
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

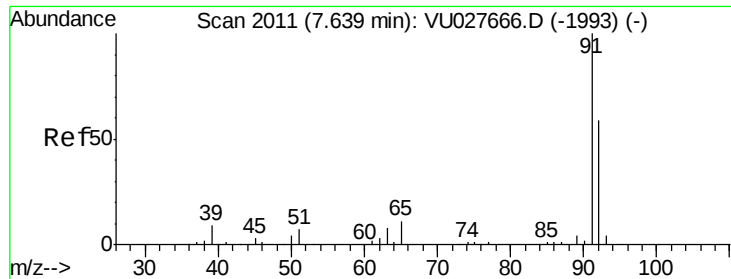
Tgt Ion: 75 Resp: 57764
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 49.078 ug/L
 RT: 7.48 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

Tgt Ion: 43 Resp: 265233
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.4 45.6
 100 12.8 10.2 15.4





#42

Toluene

Concen: 4.752 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

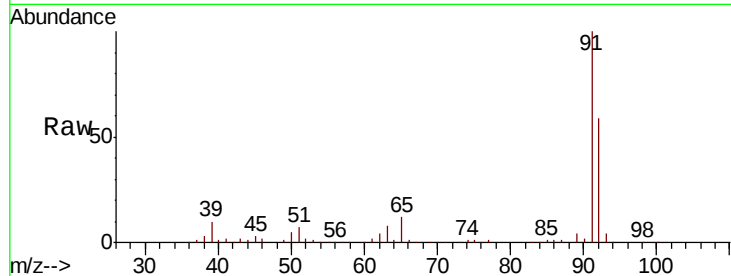
VSTD00543

Tgt Ion: 91 Resp: 142359

Ion Ratio Lower Upper

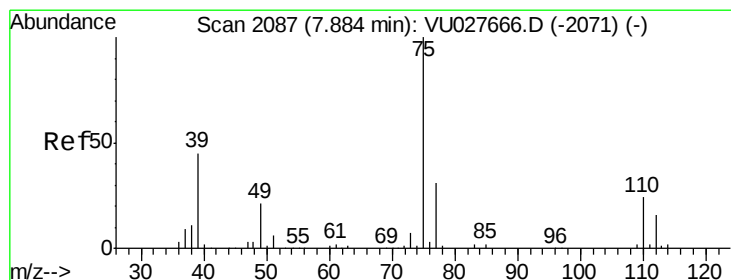
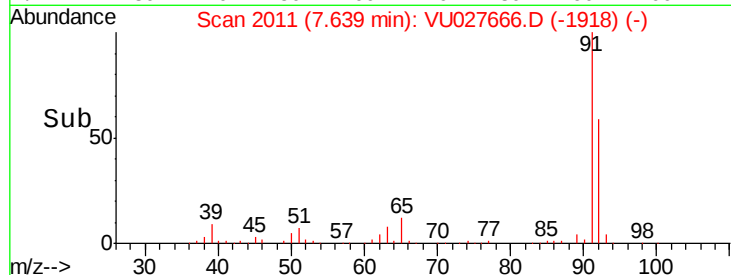
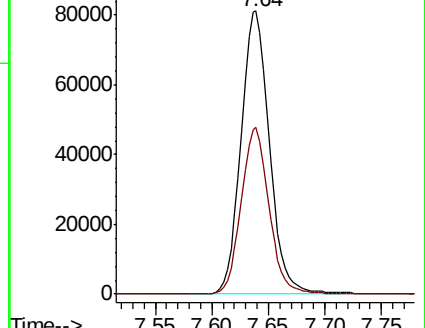
91 100

92 58.7 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) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.915 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027666.D

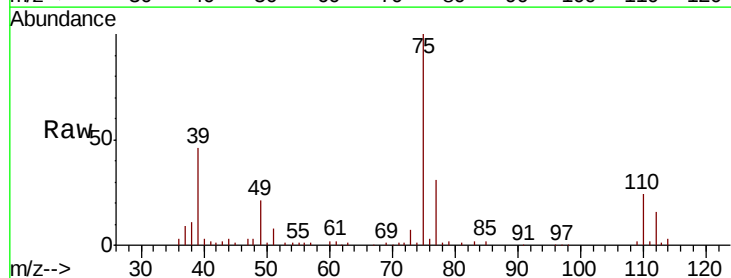
Acq: 17 Oct 2018 09:04

Tgt Ion: 75 Resp: 47224

Ion Ratio Lower Upper

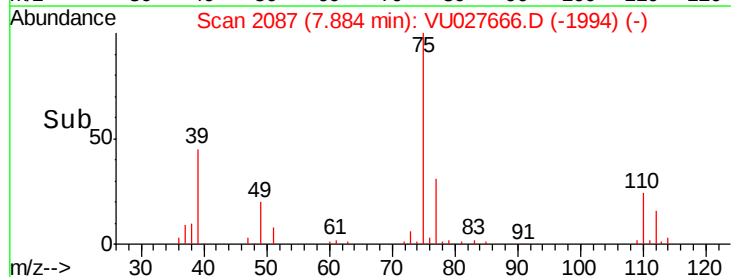
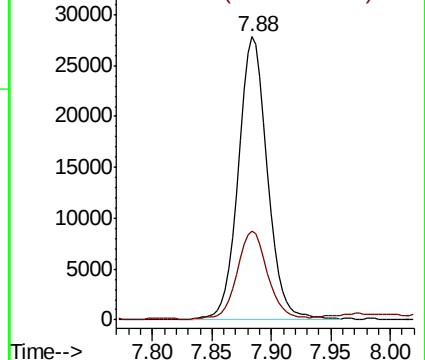
75 100

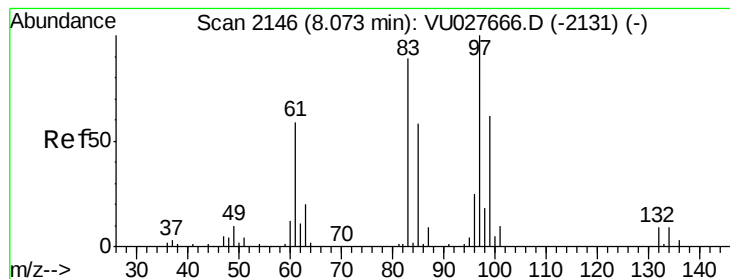
77 31.4 22.0 40.8



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

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





#45

1,1,2-Trichloroethane

Concen: 4.848 ug/L

RT: 8.07 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

Tgt Ion: 97 Resp: 24963

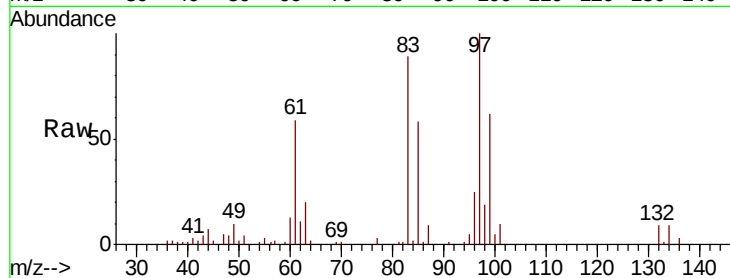
Ion Ratio Lower Upper

97 100

99 62.1 43.5 80.7

83 88.6 62.0 115.2

85 57.8 40.5 75.1



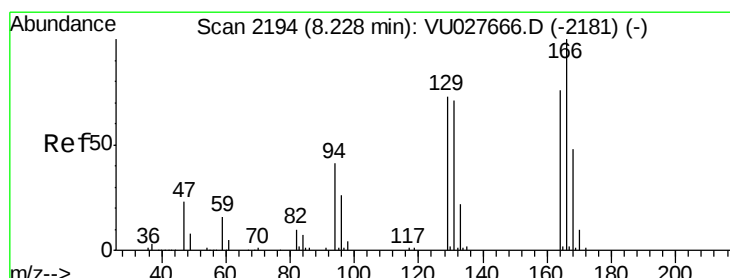
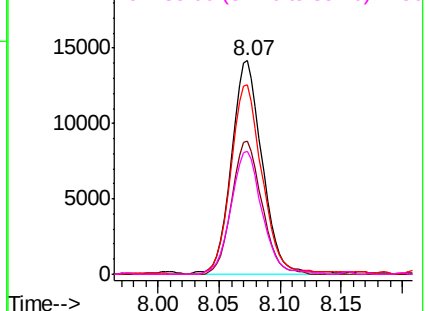
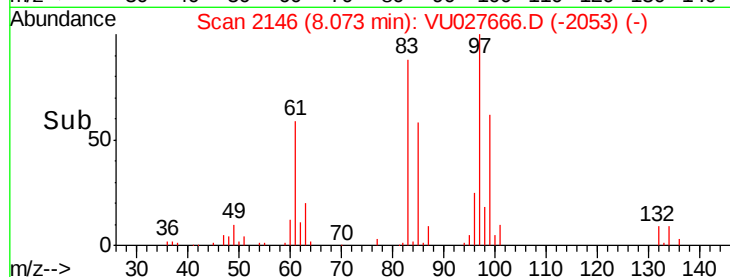
Abundance

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: 4.760 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Tgt Ion: 164 Resp: 27426

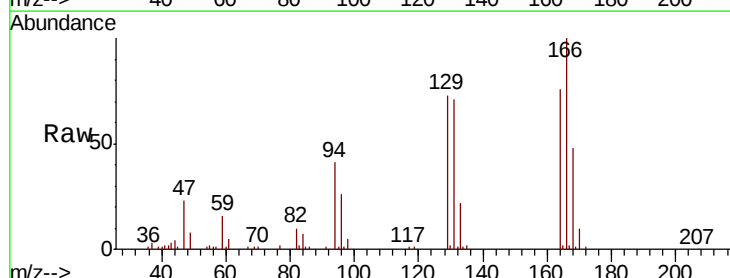
Ion Ratio Lower Upper

164 100

129 96.1 67.3 124.9

131 92.5 64.8 120.3

166 131.1 91.8 170.4



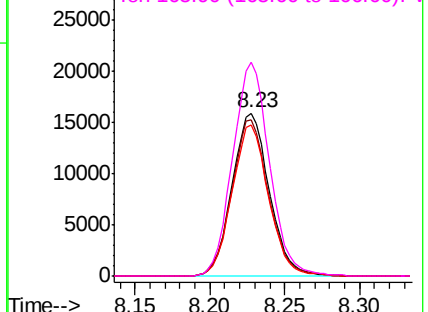
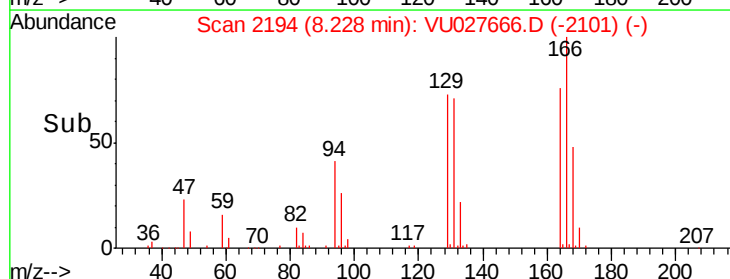
Abundance

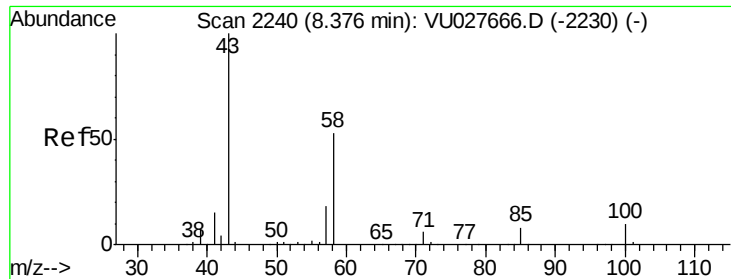
Ion 163.90 (163.60 to 164.60): V

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

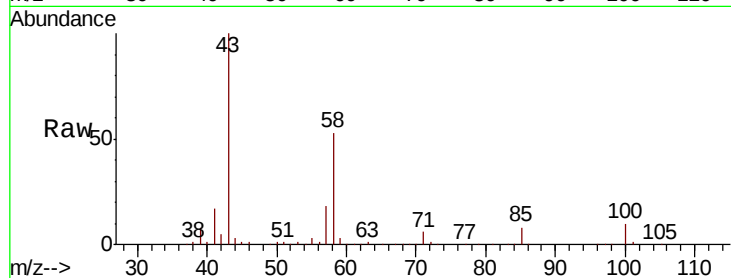




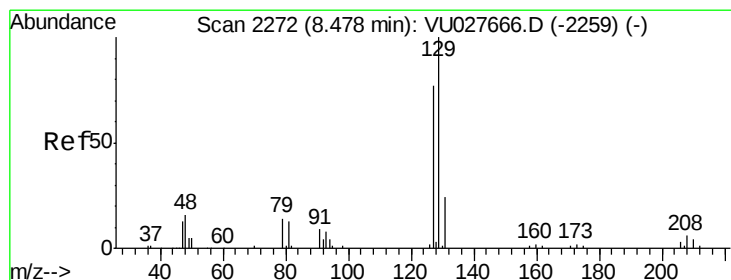
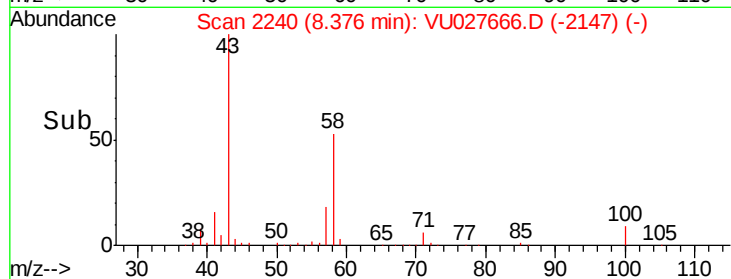
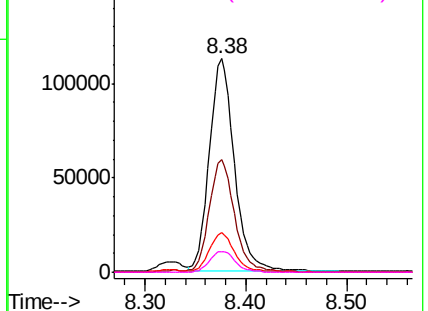
#48
2-Hexanone
Concen: 50.056 ug/L
RT: 8.38 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Tgt Ion:	43	Resp:	193817
Ion	Ratio	Lower	Upper
43	100		
58	53.4	42.7	64.1
57	18.1	14.5	21.7
100	10.1	8.1	12.1

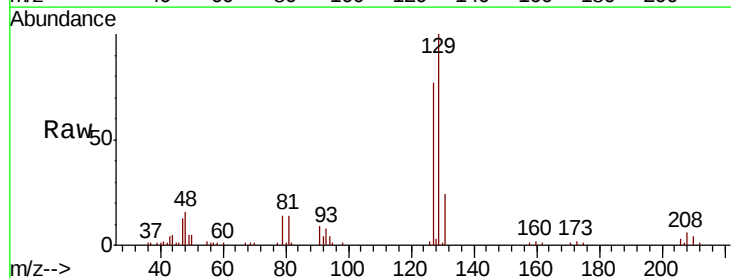


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

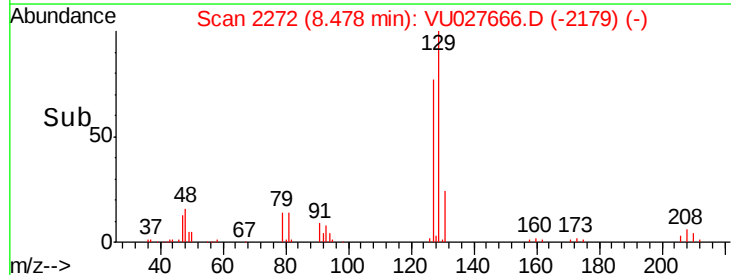
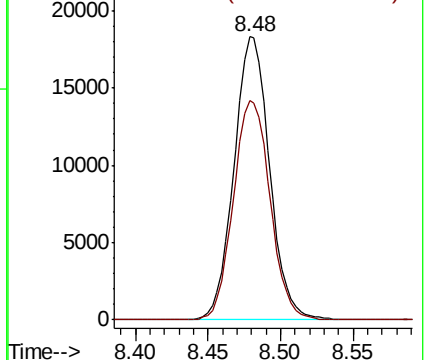


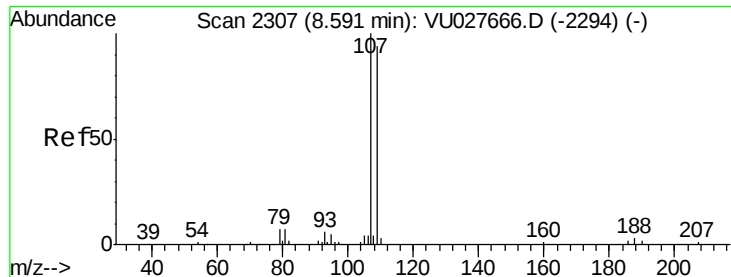
#49
Dibromochloromethane
Concen: 4.886 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

Tgt Ion:	129	Resp:	31261
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.1	100.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

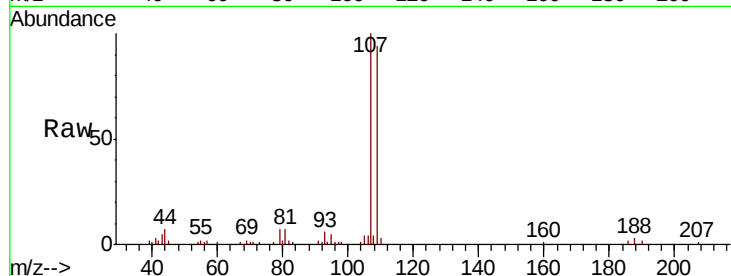




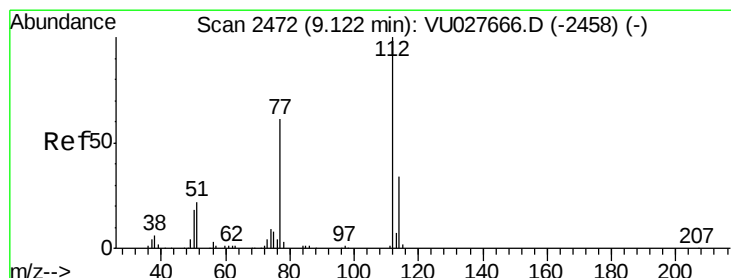
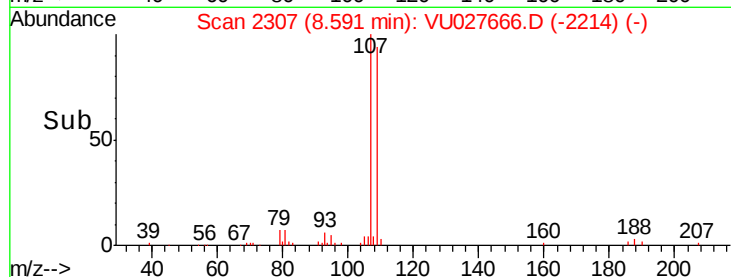
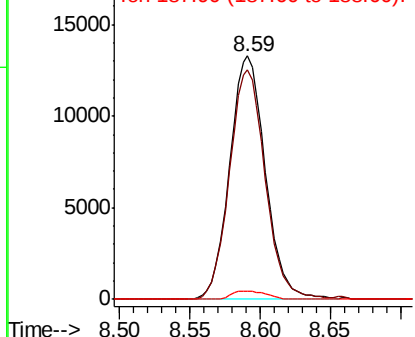
#50
1,2-Dibromoethane
Concen: 4.879 ug/L
RT: 8.59 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Tgt Ion:107 Resp: 23542
Ion Ratio Lower Upper
107 100
109 94.4 66.1 122.7
188 3.3 2.6 4.0

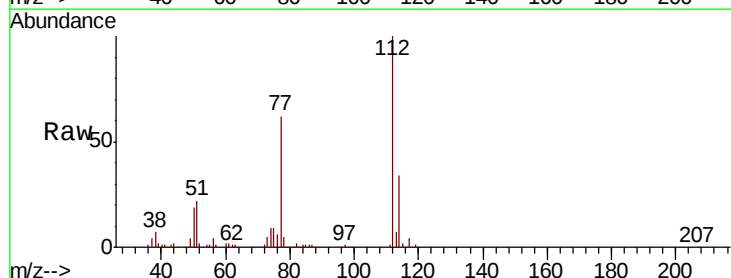


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

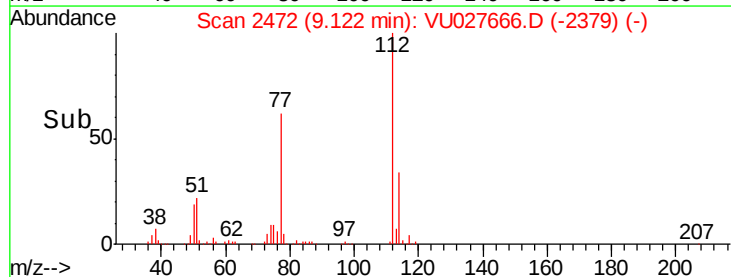
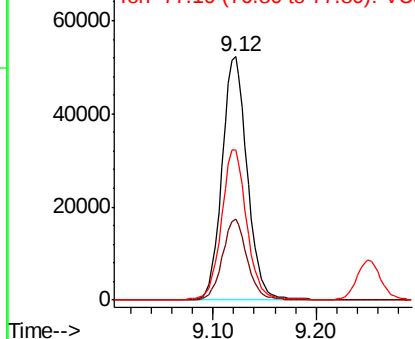


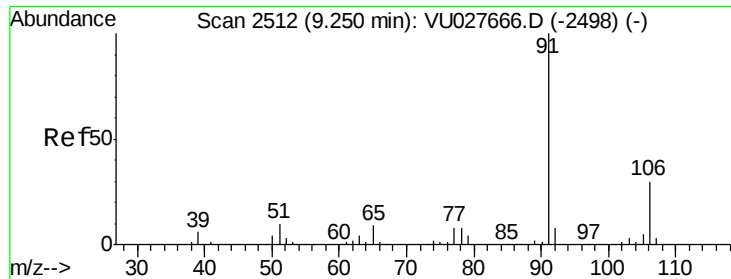
#51
Chlorobenzene
Concen: 4.833 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

Tgt Ion:112 Resp: 88846
Ion Ratio Lower Upper
112 100
114 33.5 23.4 43.6
77 61.9 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

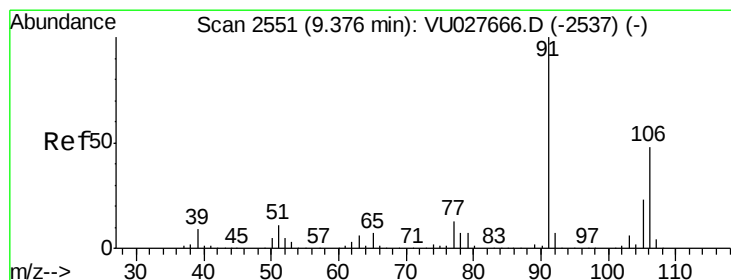
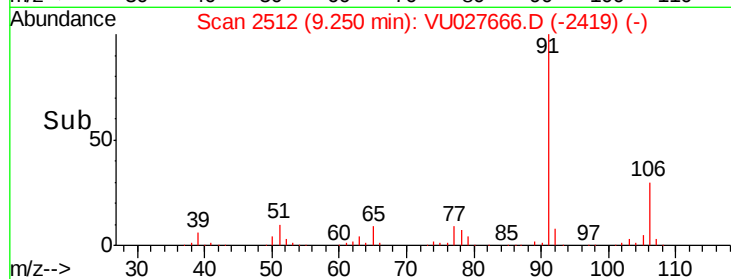
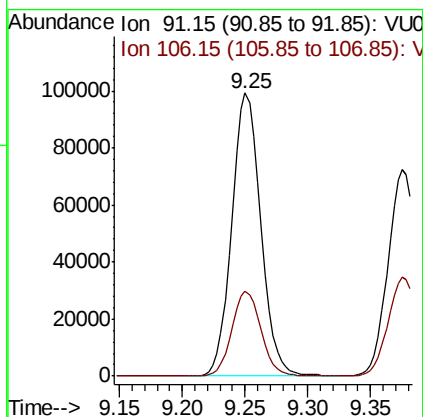
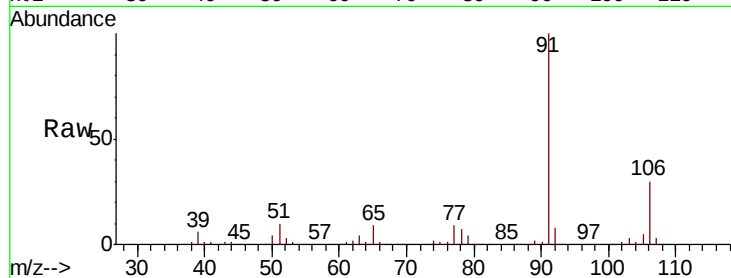




#52
Ethylbenzene
Concen: 4.808 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

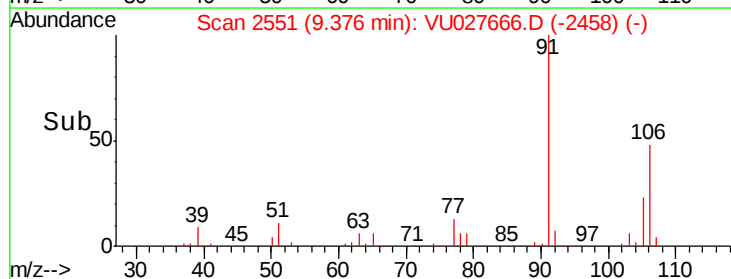
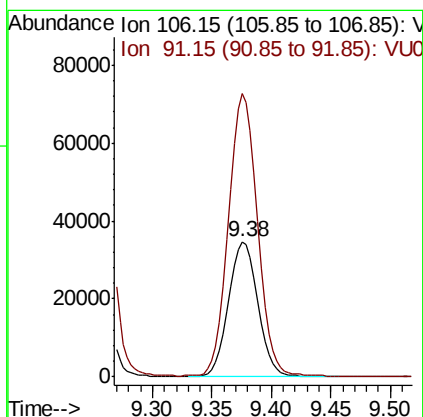
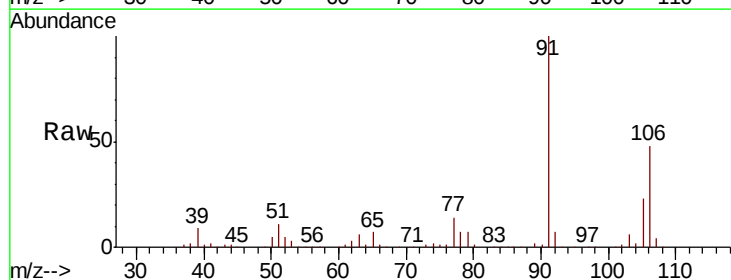
Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

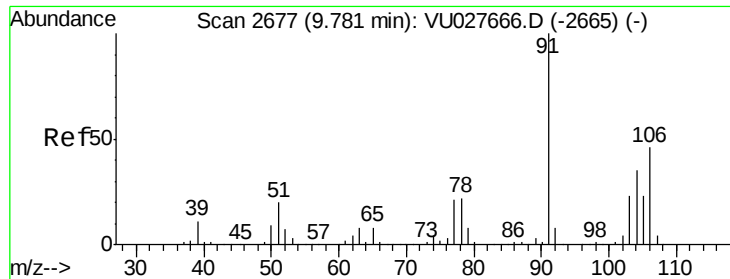
Tgt Ion: 91 Resp: 159627
Ion Ratio Lower Upper
91 100
106 29.9 20.9 38.9



#53
m,p-xylene
Concen: 4.805 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

Tgt Ion: 106 Resp: 59362
Ion Ratio Lower Upper
106 100
91 209.7 146.8 272.6

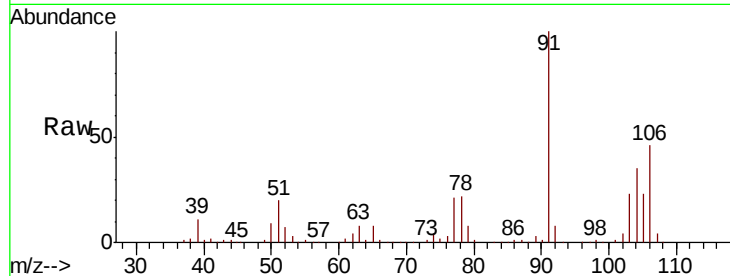




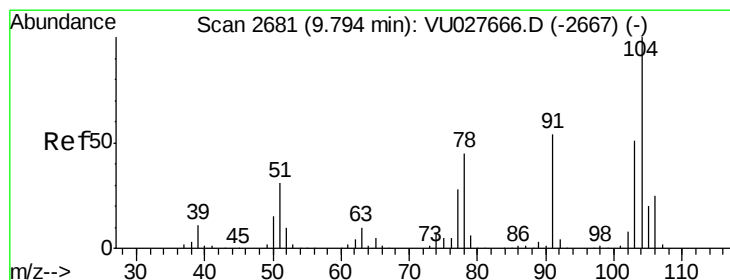
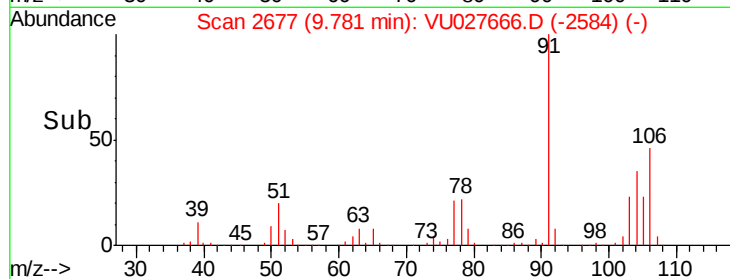
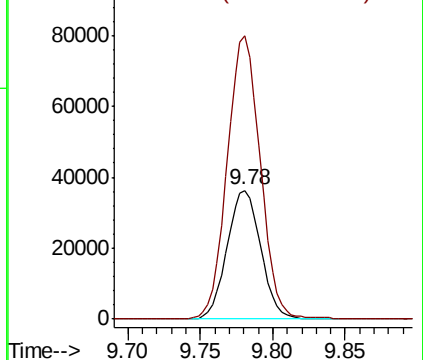
#54
o-xylene
Concen: 4.826 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD00543

Tgt Ion:106 Resp: 58533
Ion Ratio Lower Upper
106 100
91 219.3 153.5 285.1

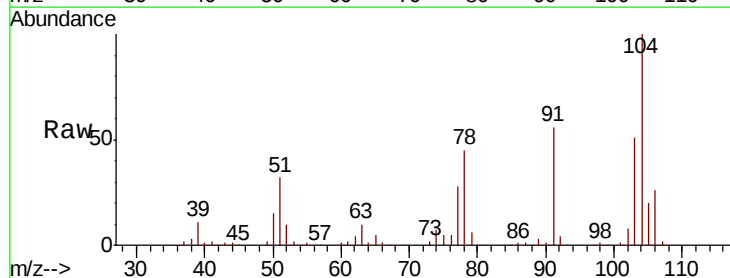


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

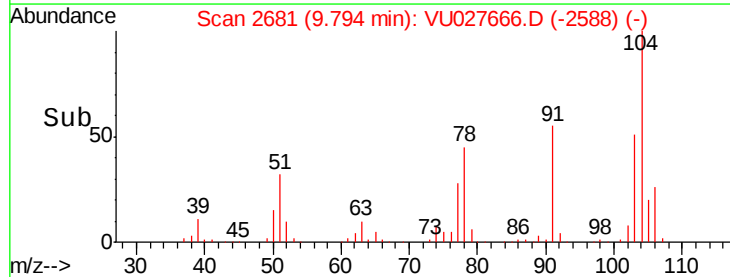
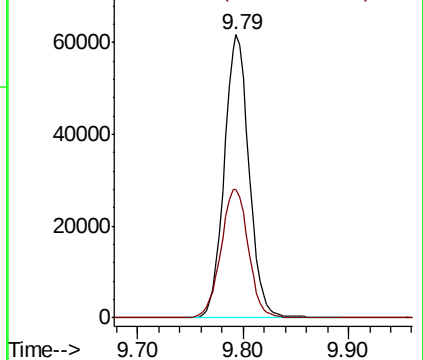


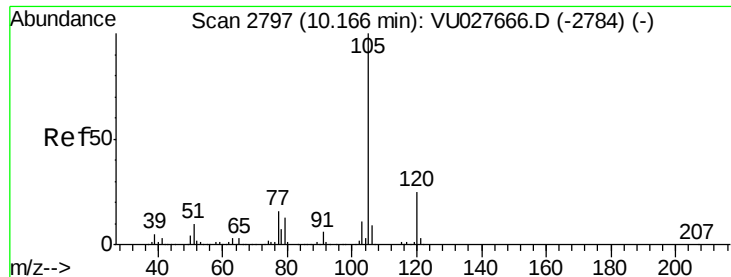
#55
Styrene
Concen: 4.911 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027666.D
Acq: 17 Oct 2018 09:04

Tgt Ion:104 Resp: 100162
Ion Ratio Lower Upper
104 100
78 45.4 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: 4.832 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

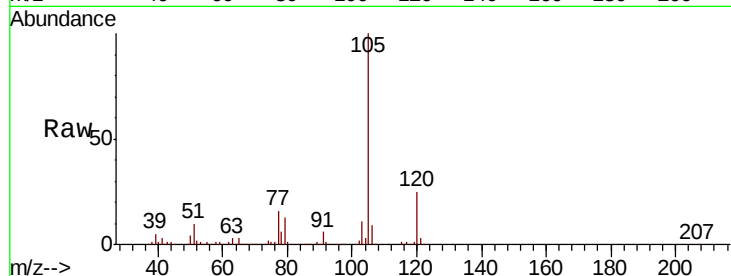
Tgt Ion: 105 Resp: 155848

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

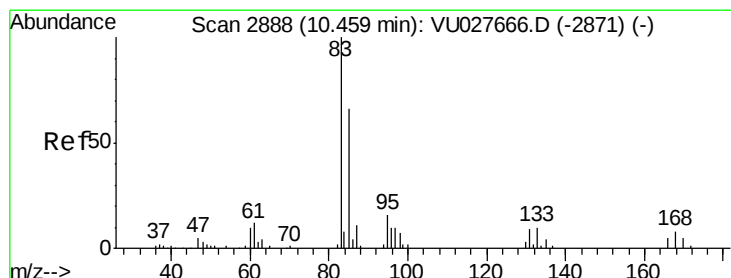
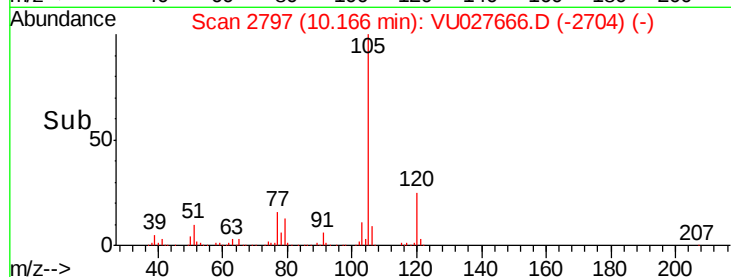
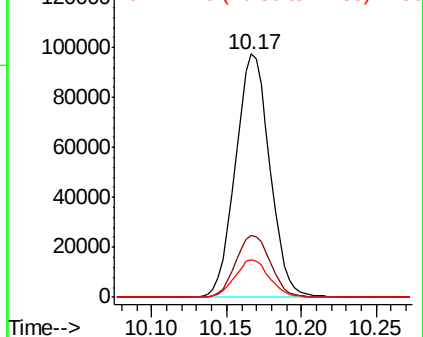
77 15.7 12.6 18.8



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: 4.548 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

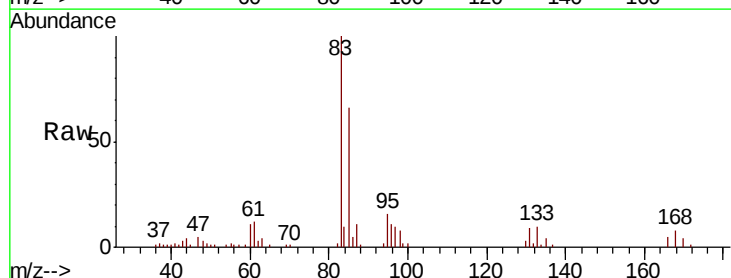
Tgt Ion: 83 Resp: 30632

Ion Ratio Lower Upper

83 100

85 65.9 46.1 85.7

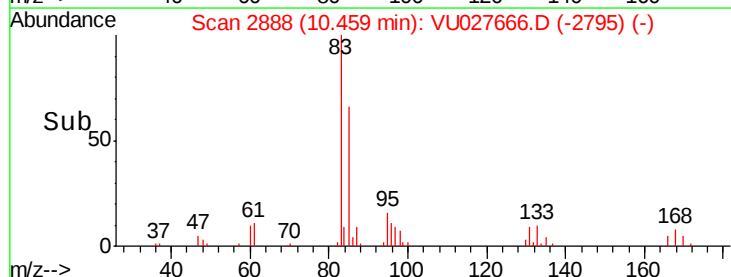
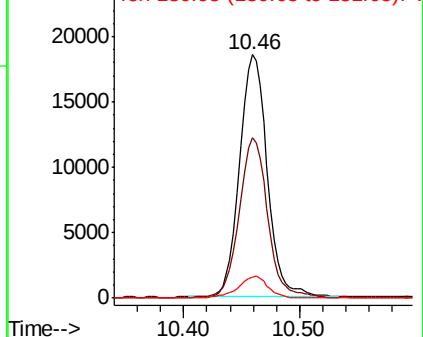
131 8.7 7.0 10.4

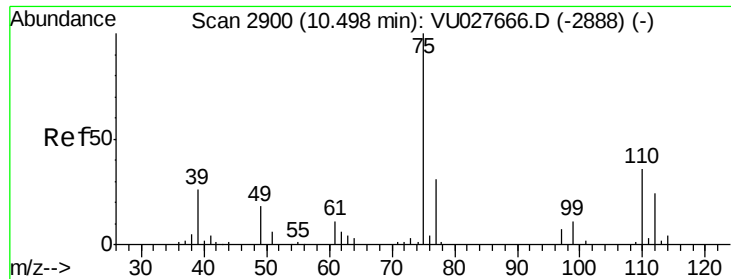


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

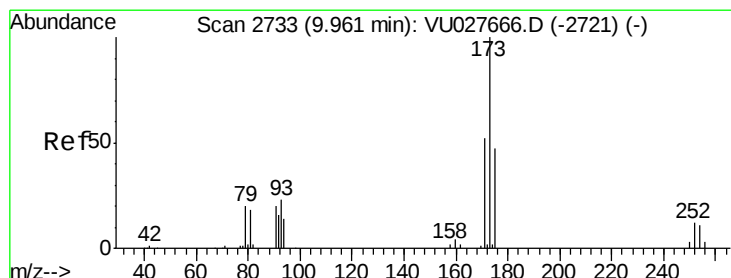
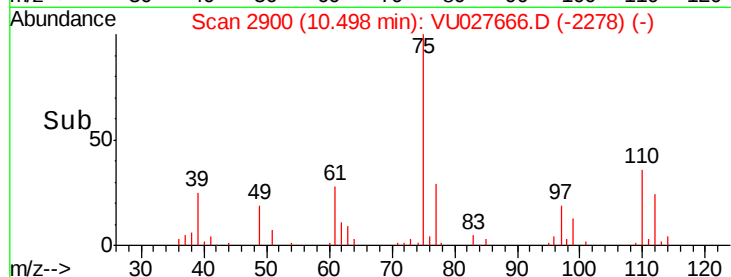
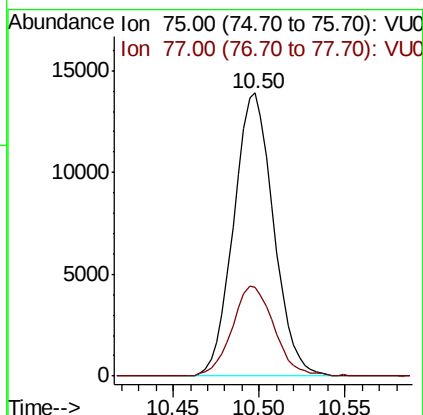
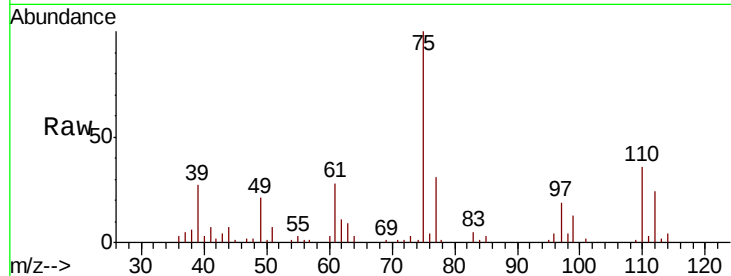




#59
 1,2,3-Trichloropropane
 Concen: 4.862 ug/L
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

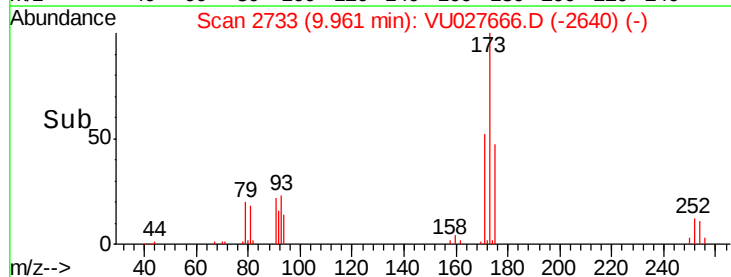
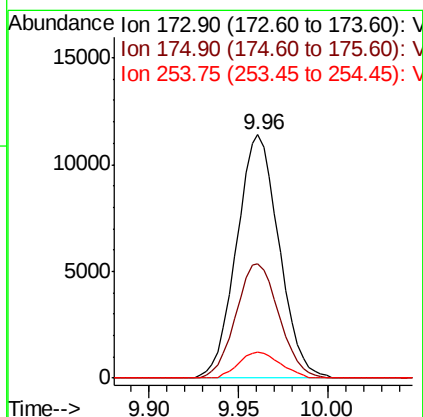
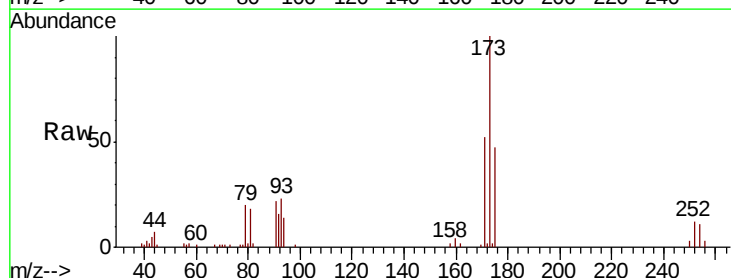
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

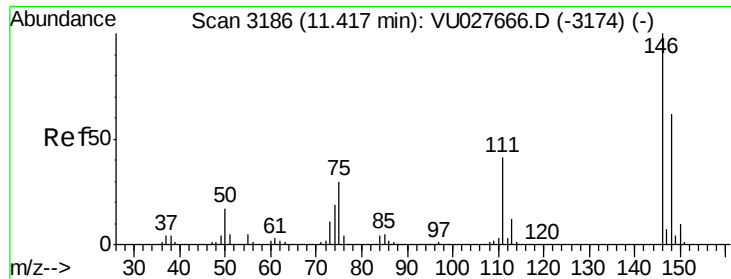
Tgt Ion: 75 Resp: 22370
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.9 40.3



#61
 Bromoform
 Concen: 4.813 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

Tgt Ion: 173 Resp: 18911
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.2 57.2
 254 10.4 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 4.879 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

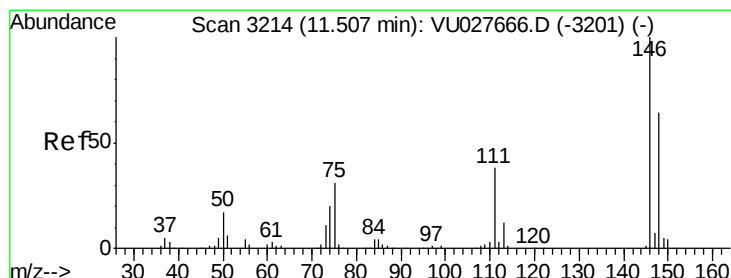
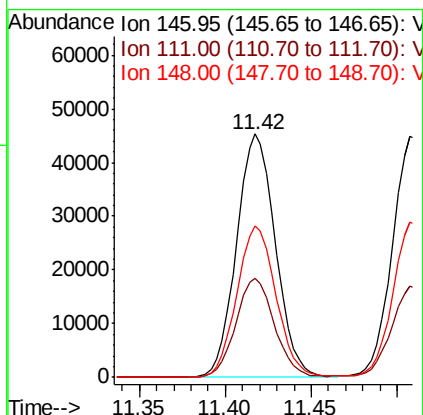
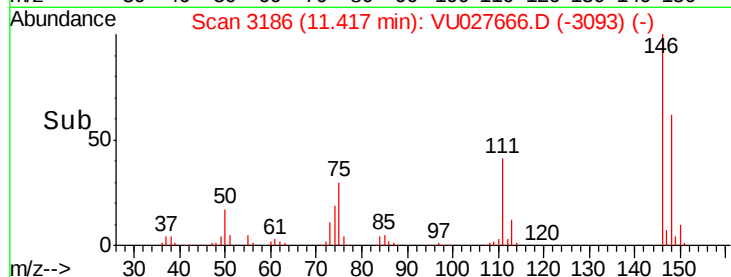
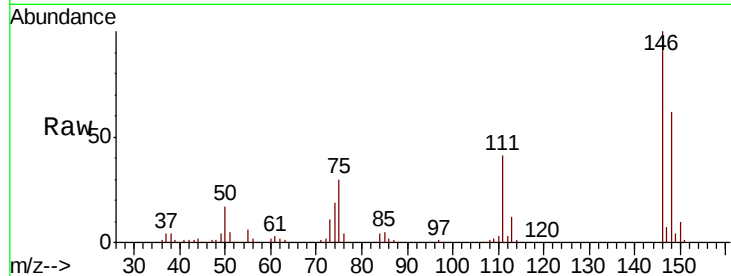
Tgt Ion:146 Resp: 71044

Ion Ratio Lower Upper

146 100

111 40.8 28.6 53.0

148 62.3 43.6 81.0



#63

1,4-Dichlorobenzene

Concen: 4.796 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

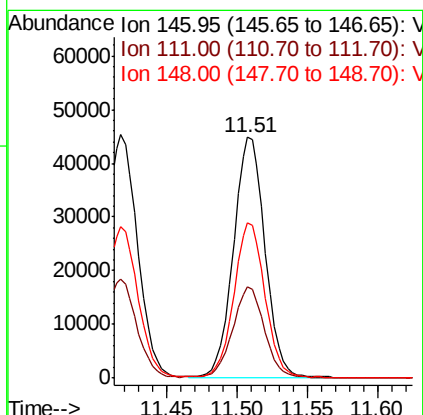
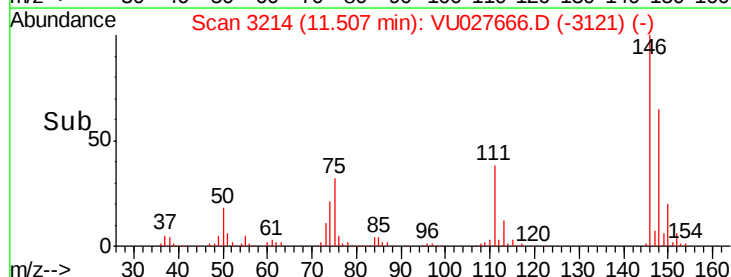
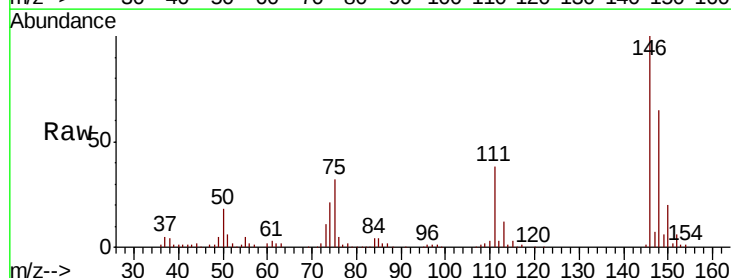
Tgt Ion:146 Resp: 70036

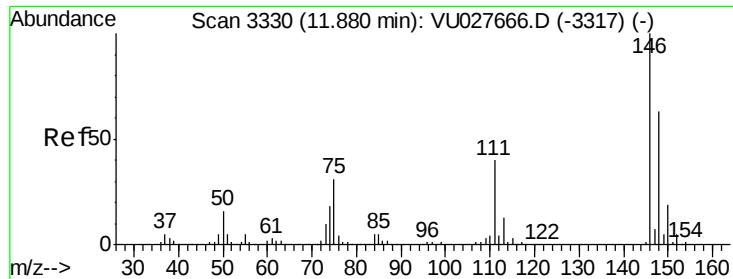
Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.1

148 64.6 45.2 84.0

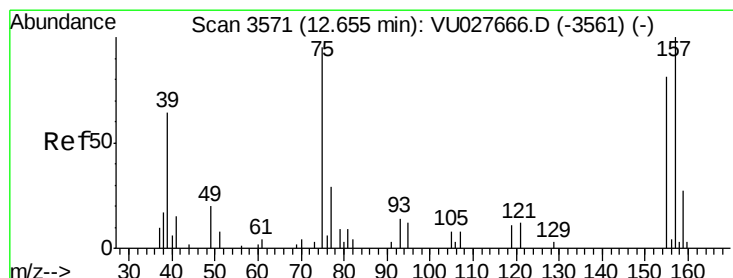
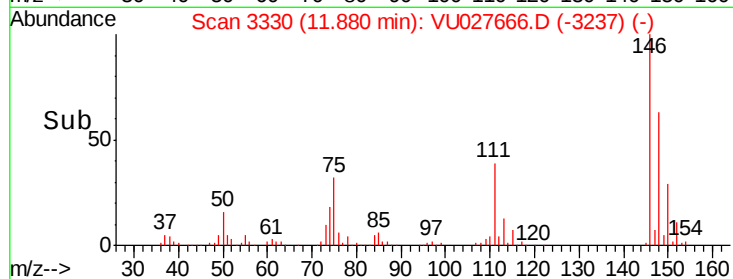
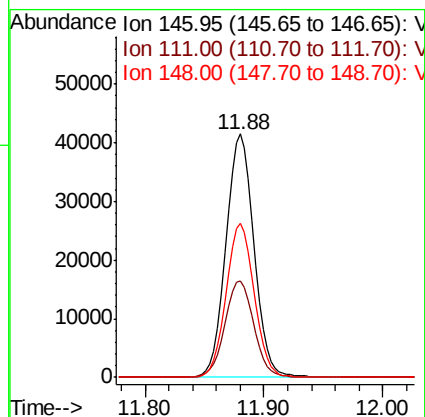
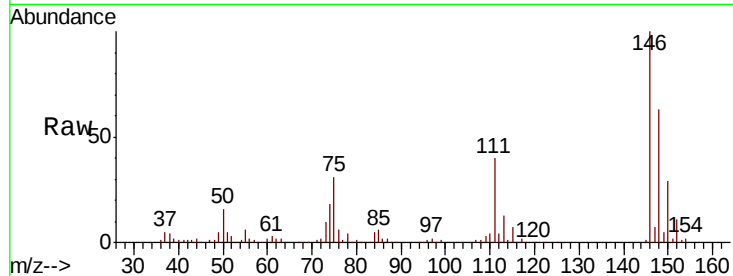




#65
 1,2-Dichlorobenzene
 Concen: 4.847 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

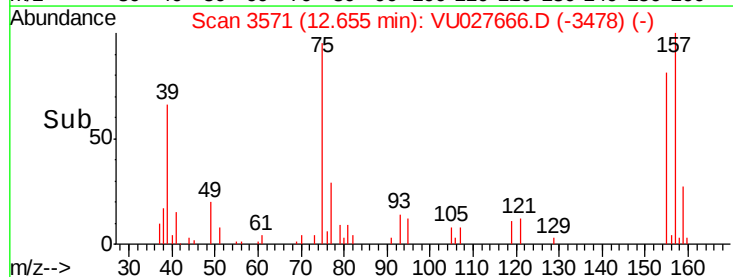
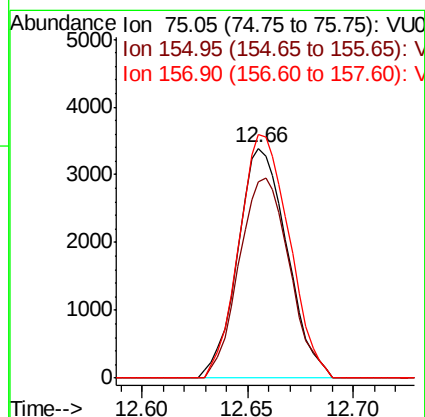
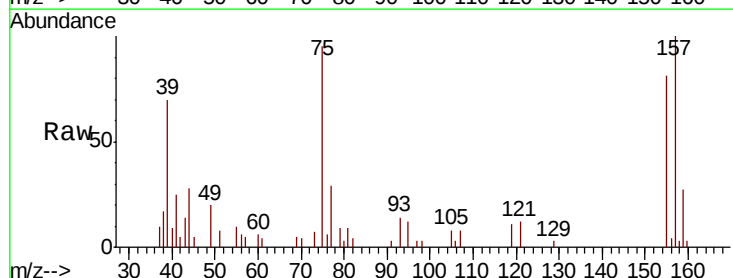
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00543

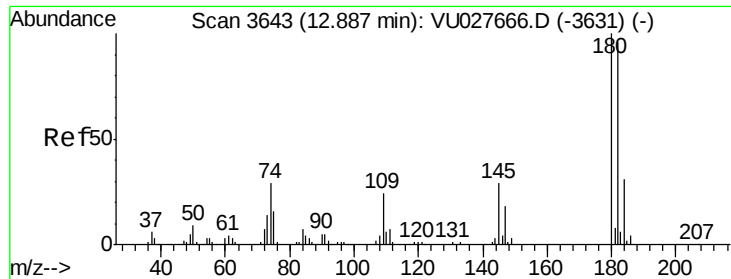
Tgt Ion: 146 Resp: 67793
 Ion Ratio Lower Upper
 146 100
 111 39.6 31.7 47.5
 148 63.2 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.778 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

Tgt Ion: 75 Resp: 5502
 Ion Ratio Lower Upper
 75 100
 155 85.4 68.3 102.5
 157 105.8 84.6 127.0

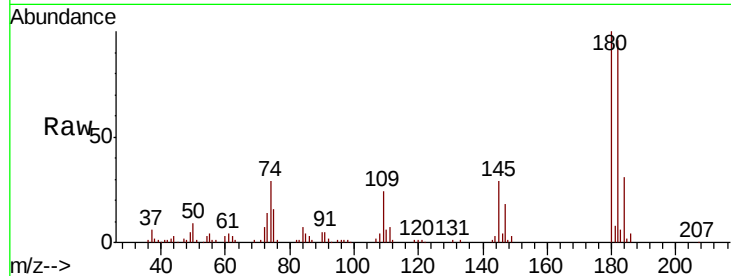




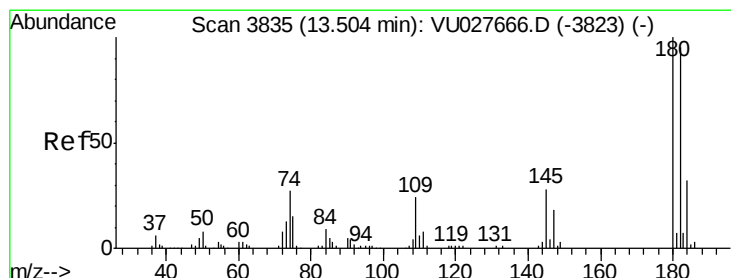
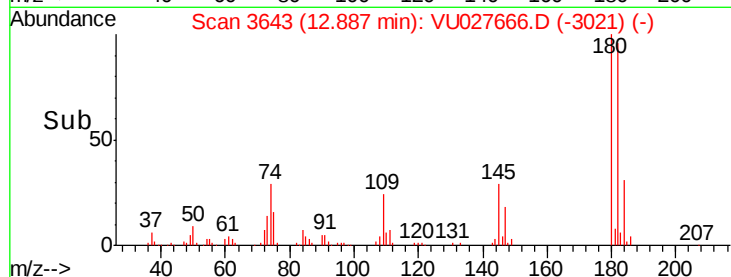
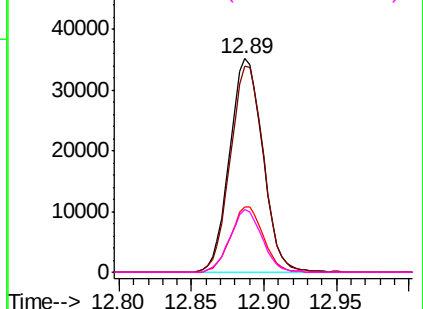
#67
 1,3,5-Trichlorobenzene
 Concen: 4.733 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00543

Tgt Ion:180 Resp: 55937
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.4
 184 30.2 24.2 36.2
 145 28.2 22.6 33.8

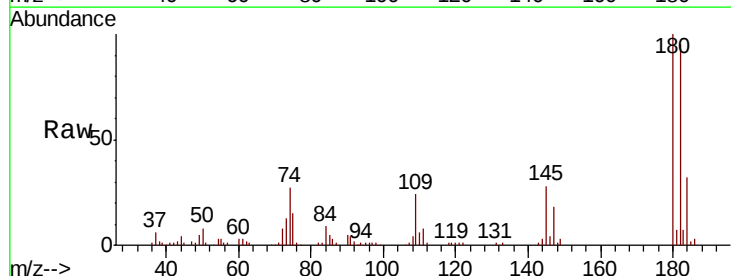


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

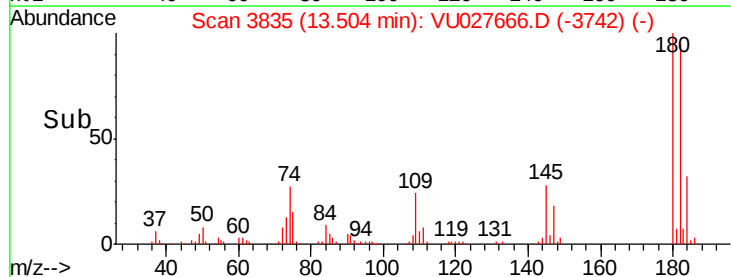
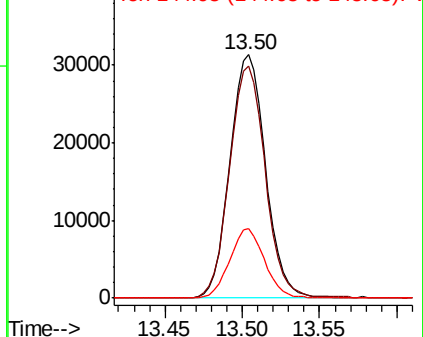


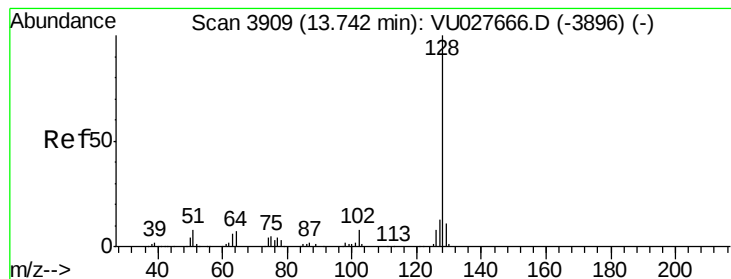
#68
 1,2,4-trichlorobenzene
 Concen: 4.909 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027666.D
 Acq: 17 Oct 2018 09:04

Tgt Ion:180 Resp: 50019
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 114.8
 145 27.7 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: 4.959 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD00543

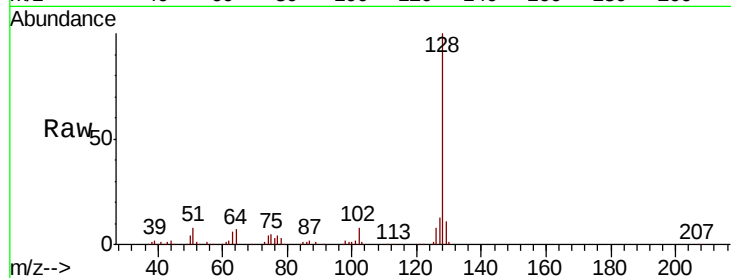
Tgt Ion:128 Resp: 84468

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

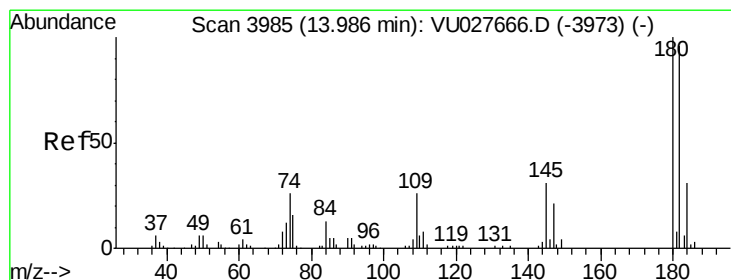
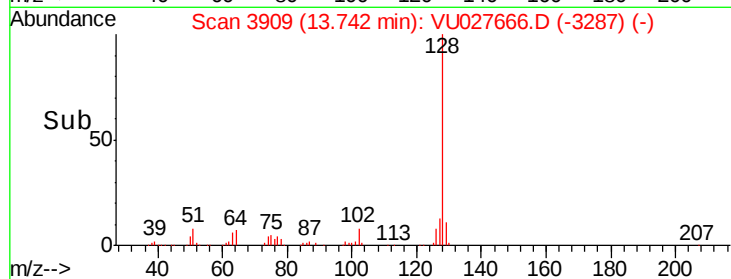
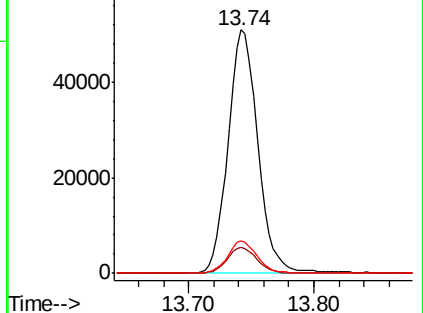
127 13.1 10.5 15.7



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: 4.802 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027666.D

Acq: 17 Oct 2018 09:04

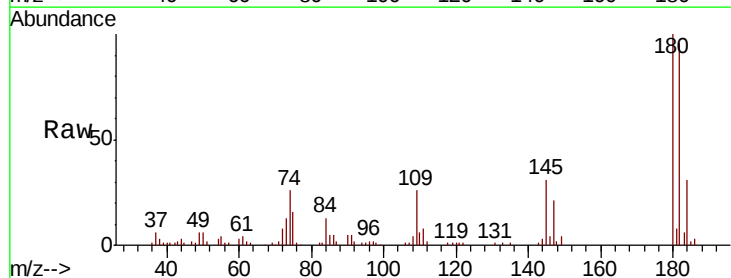
Tgt Ion:180 Resp: 45699

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 30.5 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

