

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
 Data File : VU027667.D
 Acq On : 17 Oct 2018 09:30
 Operator : MD/SY
 Sample : VSTD01044
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

Quant Time: Oct 19 05:51:48 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	87924	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	84092	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	43132	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66629	9.55	ug/L	0.00
7) Chloroethane-d5	1.68	69	52483	9.99	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	120512	9.71	ug/L	0.00
20) 2-Butanone-d5	4.22	46	191809	96.54	ug/L	0.00
24) Chloroform-d	4.65	84	108404	9.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	57600	9.43	ug/L	0.00
32) Benzene-d6	5.34	84	228305	9.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	77629	9.71	ug/L	0.00
41) Toluene-d8	7.57	98	217528	9.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	33092	9.39	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	168325	97.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57438	9.22	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	80291	9.93	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	67533	9.410 ug/L	100
3) Chloromethane	1.33	50	82726	9.680 ug/L	99
5) Vinyl chloride	1.40	62	84619	9.862 ug/L	99
6) Bromomethane	1.63	94	44702	9.714 ug/L	99
8) Chloroethane	1.70	64	47670	9.639 ug/L	96
9) Trichlorofluoromethane	1.89	101	96733	9.767 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	58119	9.724 ug/L	98
12) 1,1-Dichloroethene	2.29	96	56358	9.471 ug/L	94
13) Acetone	2.35	43	117012	92.099 ug/L	99
14) Carbon disulfide	2.48	76	202845	9.843 ug/L	99
15) Methyl Acetate	2.63	43	31008	9.140 ug/L	98
16) Methylene chloride	2.70	84	62741	9.667 ug/L	95
17) Methyl tert-butyl Ether	3.01	73	159770	9.712 ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	61655	9.747 ug/L	98
19) 1,1-Dichloroethane	3.45	63	122425	9.724 ug/L	97
21) 2-Butanone	4.31	43	211914	95.995 ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	68363	9.764 ug/L	# 96
23) Bromochloromethane	4.55	128	28856	9.152 ug/L	97
25) Chloroform	4.68	83	115857	9.536 ug/L	99
27) 1,2-Dichloroethane	5.41	62	73629	9.573 ug/L	98
29) 1,1,1-Trichloroethane	4.92	97	100862	9.784 ug/L	99
30) Cyclohexane	4.99	56	125584	9.694 ug/L	99
31) Carbon tetrachloride	5.13	117	89581	9.594 ug/L	99
33) Benzene	5.39	78	263202	9.564 ug/L	100
34) Trichloroethene	6.18	95	69656	9.779 ug/L	99
35) Methylcyclohexane	6.41	83	124167	10.115 ug/L	98
37) 1,2-Dichloropropane	6.44	63	75935	9.610 ug/L	100
38) Bromodichloromethane	6.76	83	88403	9.627 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	113519	9.878 ug/L	98
40) 4-Methyl-2-pentanone	7.48	43	511913	95.972 ug/L	99

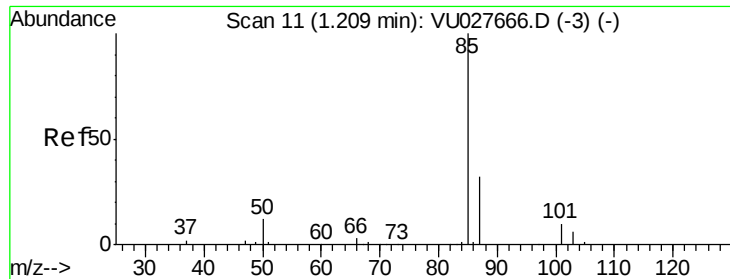
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	287731	9.732	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	94665	9.982	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	48201	9.485	ug/L	98
47) Tetrachloroethene	8.23	164	55852	9.821	ug/L	95
48) 2-Hexanone	8.38	43	370844	97.038	ug/L	99
49) Dibromochloromethane	8.48	129	60898	9.644	ug/L	98
50) 1,2-Dibromoethane	8.59	107	46170	9.695	ug/L	100
51) Chlorobenzene	9.12	112	177948	9.808	ug/L	99
52) Ethylbenzene	9.25	91	321195	9.801	ug/L	97
53) m,p-xylene	9.38	106	119596	9.807	ug/L	97
54) o-xylene	9.78	106	117072	9.779	ug/L	97
55) Styrene	9.79	104	199322	9.902	ug/L	98
56) Isopropylbenzene	10.17	105	313070	9.835	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	60629	9.121	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	44250	9.744	ug/L	98
61) Bromoform	9.96	173	36865	9.539	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	141660	9.892	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	141838	9.876	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	133875	9.732	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	10988	9.702	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	115735	9.956	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	102625	10.242	ug/L	99
69) Naphthalene	13.74	128	171775	10.254	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	93536	9.994	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 9.410 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

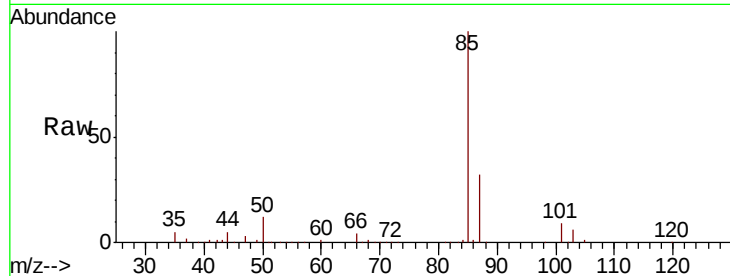
VSTD01044

Tgt Ion: 85 Resp: 67533

Ion Ratio Lower Upper

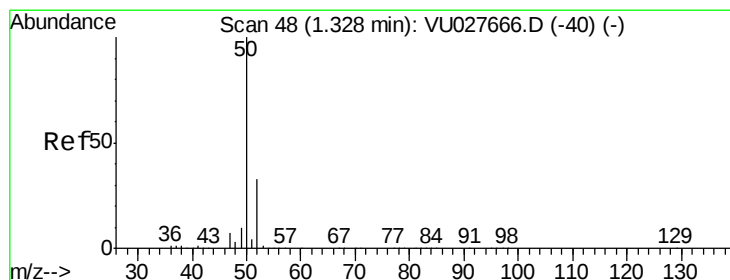
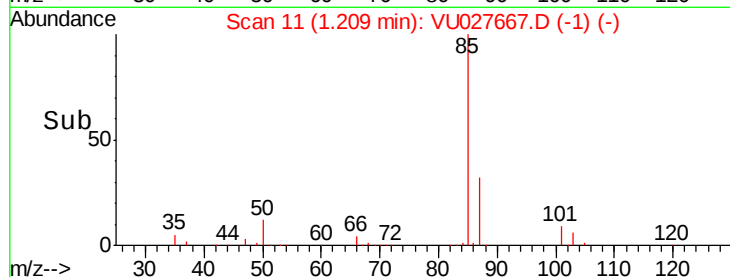
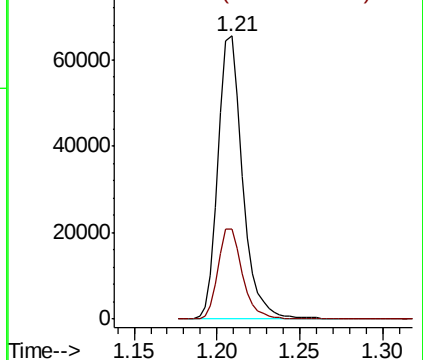
85 100

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: 9.680 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU027667.D

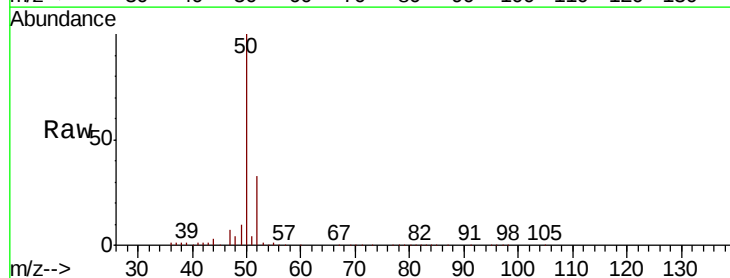
Acq: 17 Oct 2018 09:30

Tgt Ion: 50 Resp: 82726

Ion Ratio Lower Upper

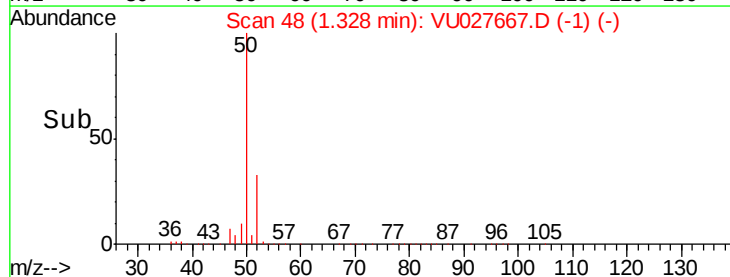
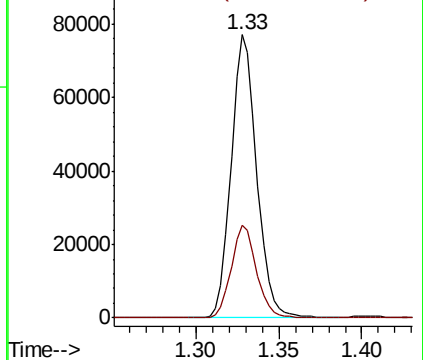
50 100

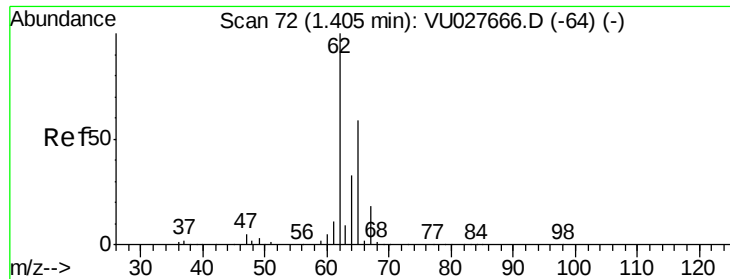
52 32.8 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 9.862 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

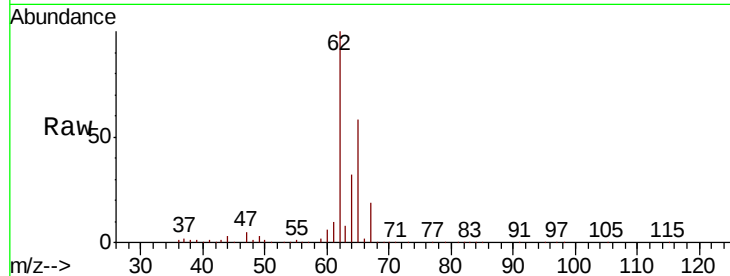
VSTD01044

Tgt Ion: 62 Resp: 84619

Ion Ratio Lower Upper

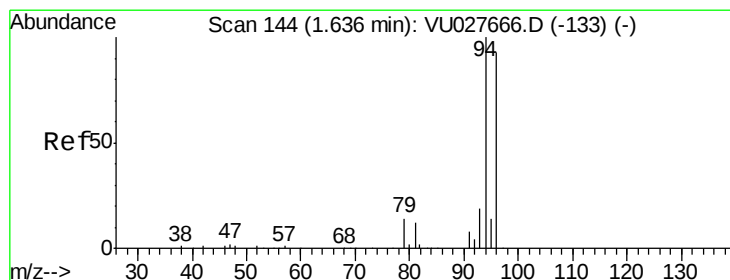
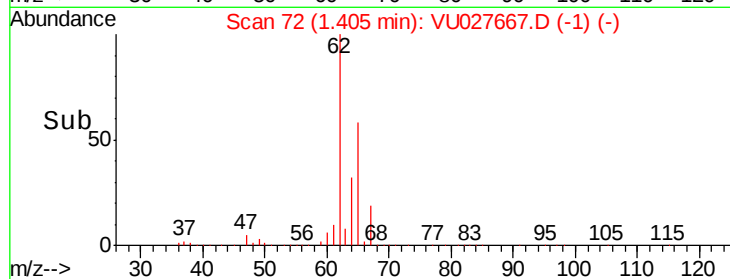
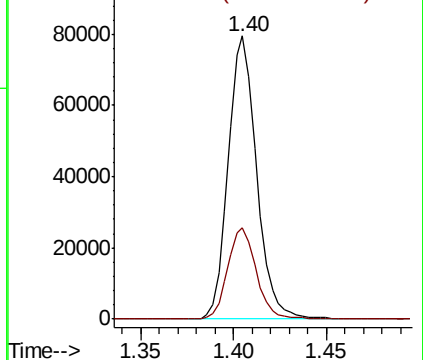
62 100

64 32.1 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: 9.714 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU027667.D

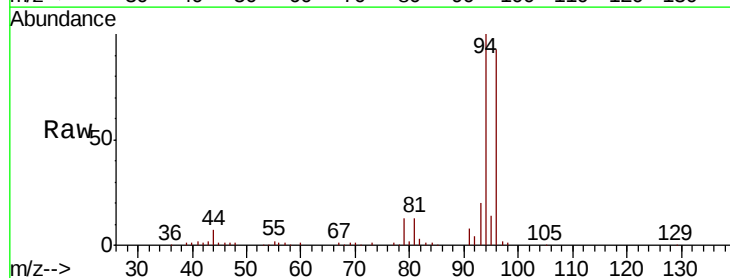
Acq: 17 Oct 2018 09:30

Tgt Ion: 94 Resp: 44702

Ion Ratio Lower Upper

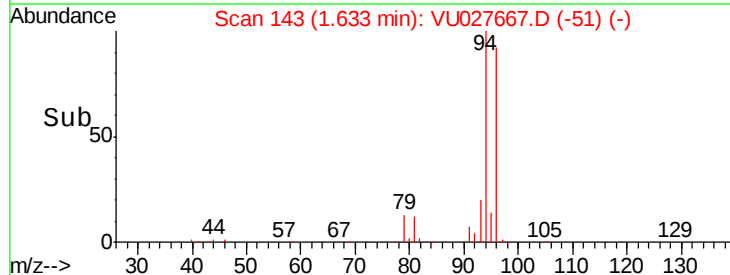
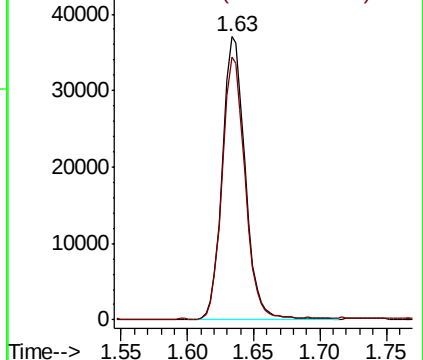
94 100

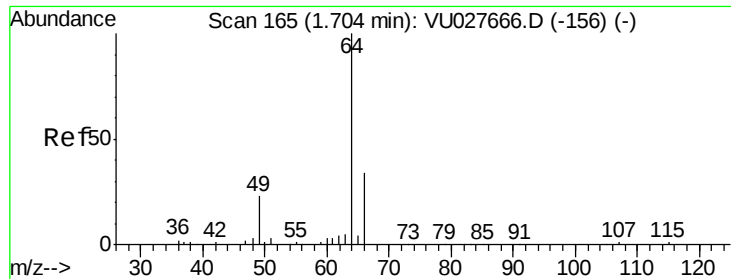
96 92.8 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 9.639 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

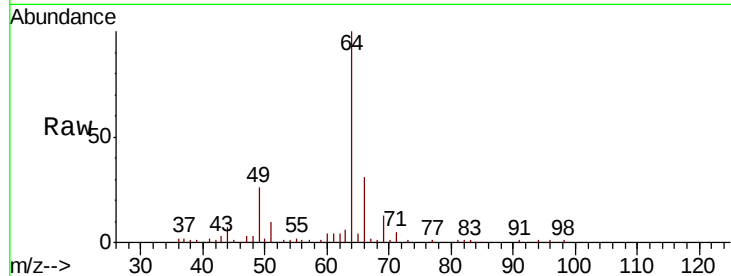
VSTD01044

Tgt Ion: 64 Resp: 47670

Ion Ratio Lower Upper

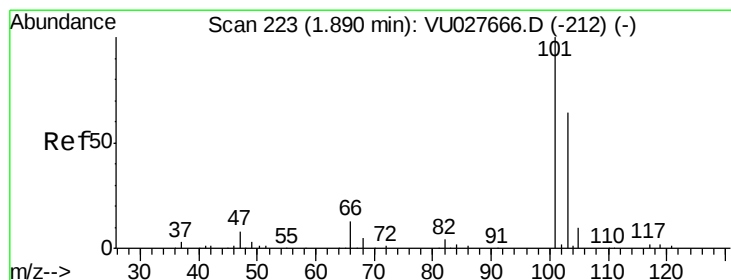
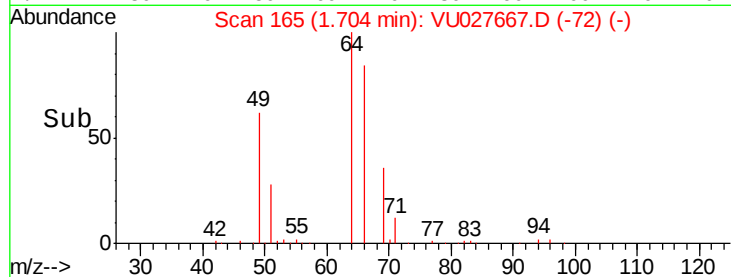
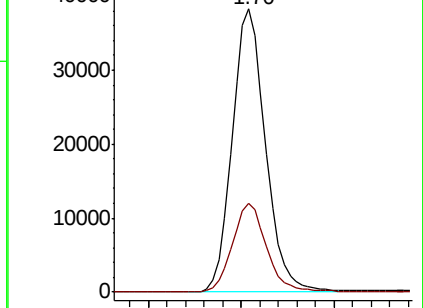
64 100

66 31.3 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU027667.D (-156) (-)

Ion 66.05 (65.75 to 66.75): VU027667.D (-156) (-)



#9

Trichlorofluoromethane

Concen: 9.767 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU027667.D

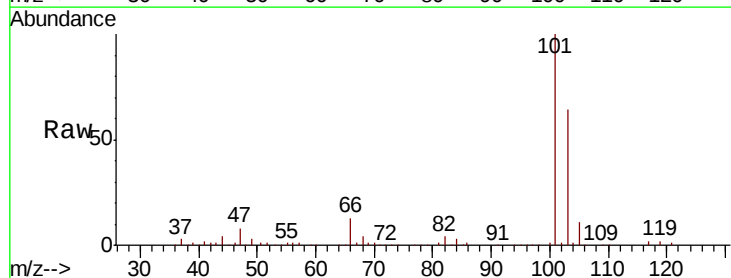
Acq: 17 Oct 2018 09:30

Tgt Ion: 101 Resp: 96733

Ion Ratio Lower Upper

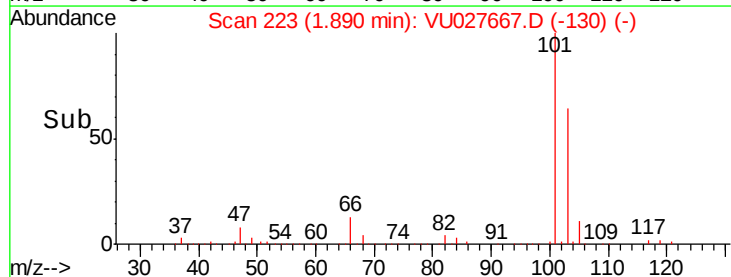
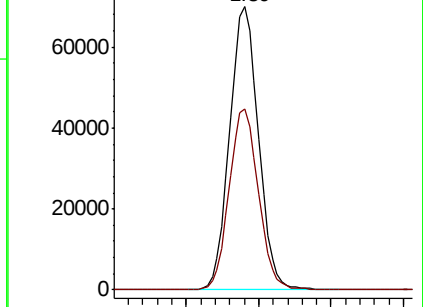
101 100

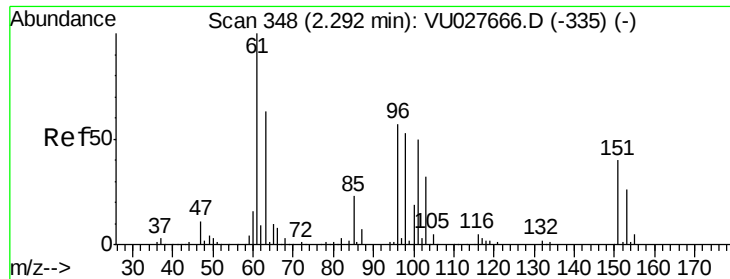
103 65.0 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU027667.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU027667.D (-212) (-)





#10

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

Concen: 9.724 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

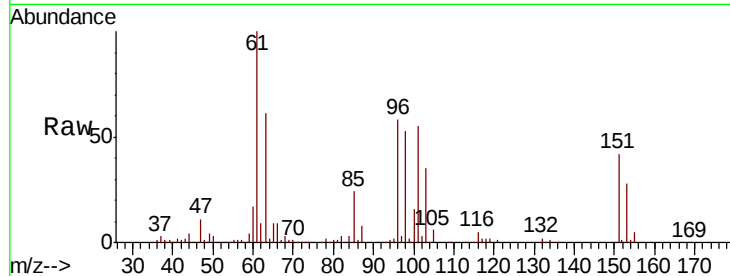
Tgt Ion:101 Resp: 58119

Ion Ratio Lower Upper

101 100

85 45.5 35.6 53.4

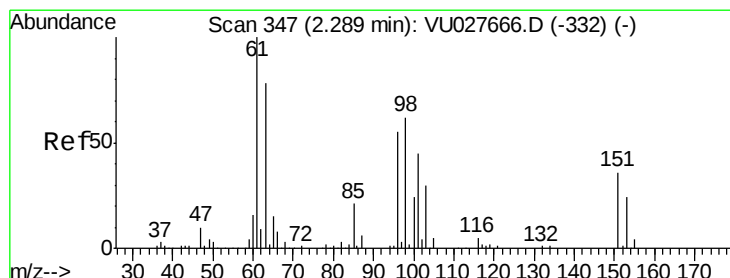
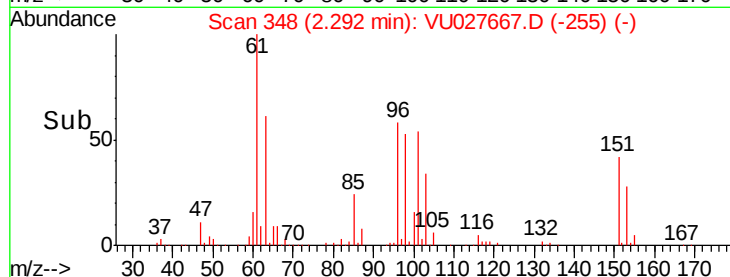
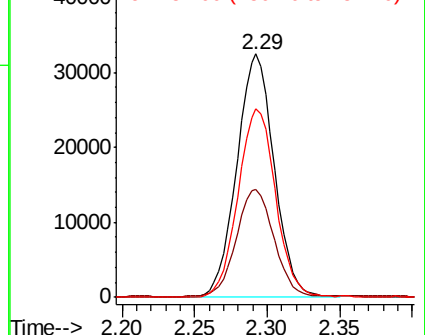
151 78.1 63.8 95.6



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: 9.471 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

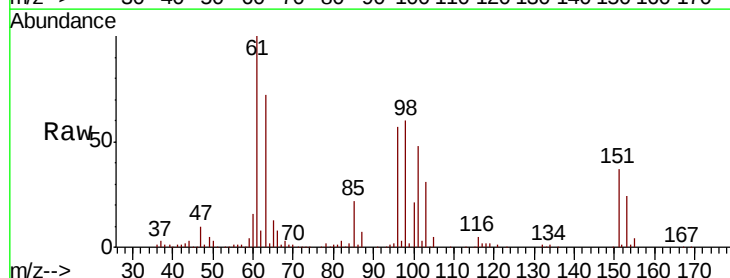
Tgt Ion: 96 Resp: 56358

Ion Ratio Lower Upper

96 100

61 175.4 125.6 233.2

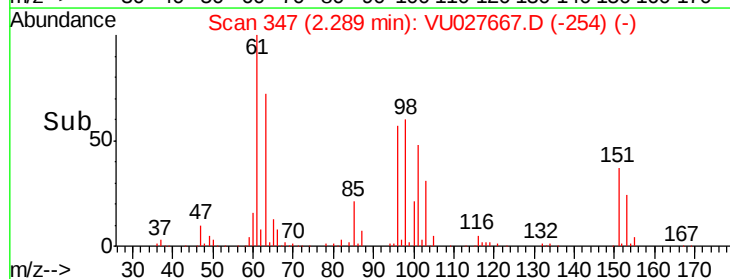
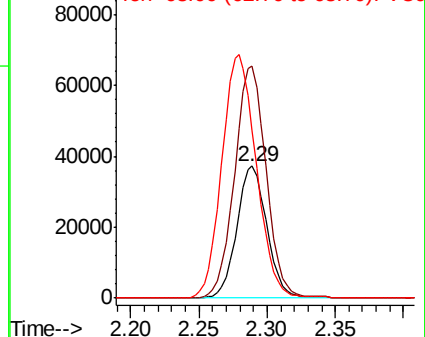
63 126.9 97.6 181.2

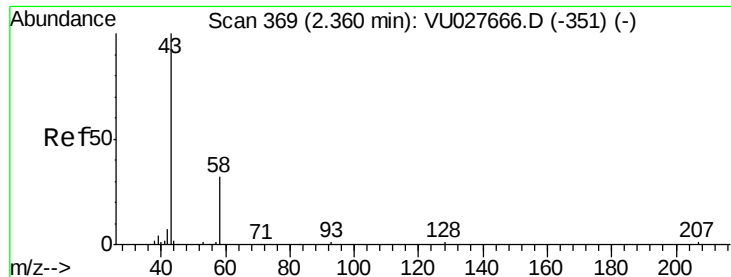


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 92.099 ug/L

RT: 2.35 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

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MSVOA_U

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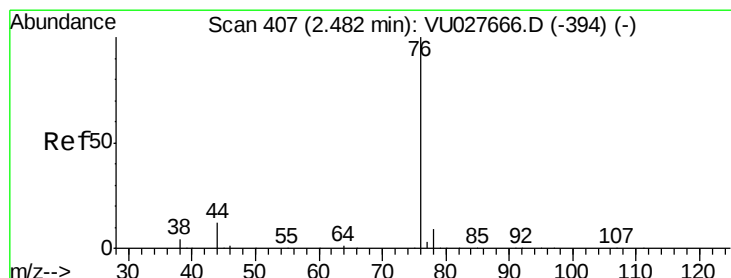
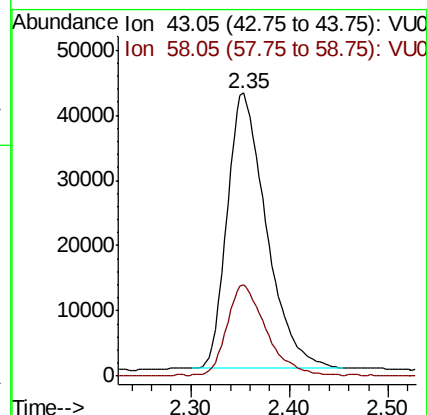
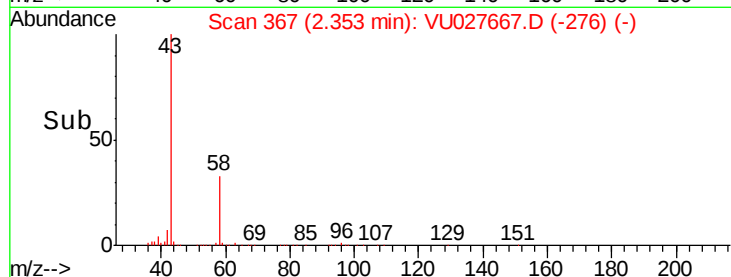
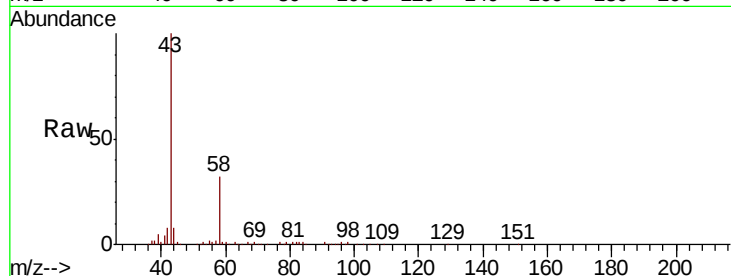
VSTD01044

Tgt Ion: 43 Resp: 117012

Ion Ratio Lower Upper

43 100

58 32.4 0.0 66.4



#14

Carbon disulfide

Concen: 9.843 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027667.D

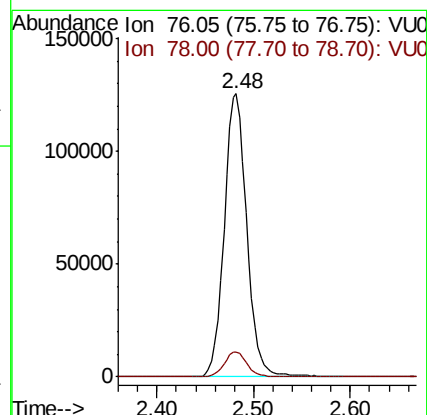
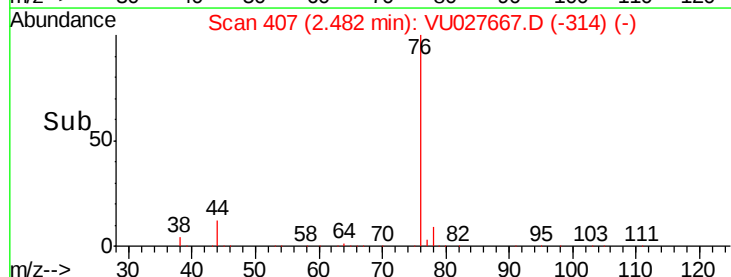
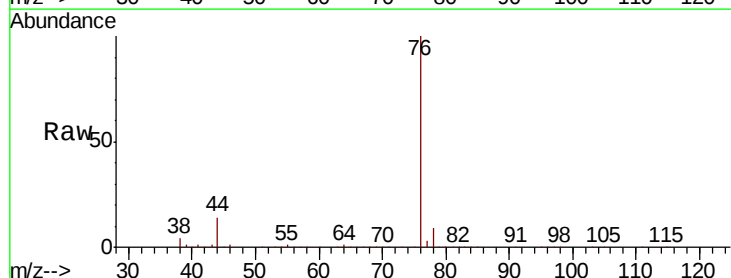
Acq: 17 Oct 2018 09:30

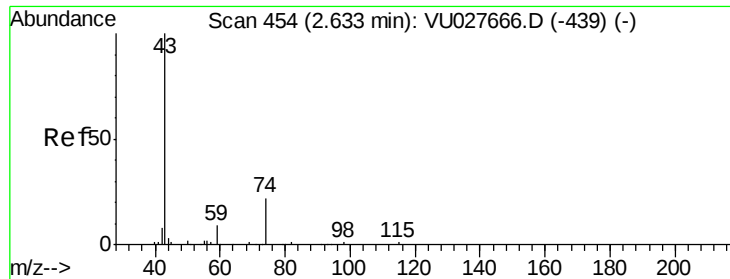
Tgt Ion: 76 Resp: 202845

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

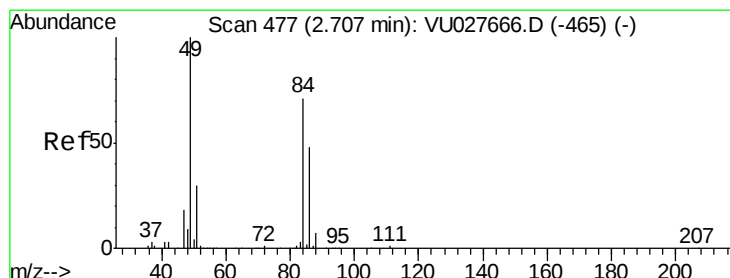
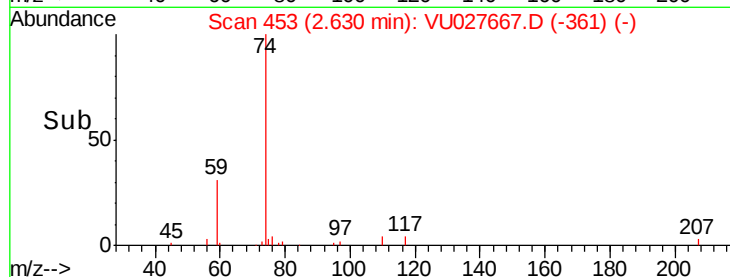
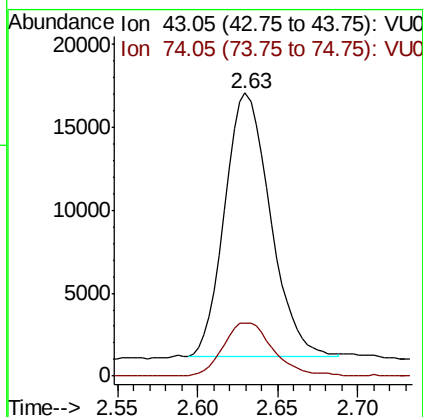
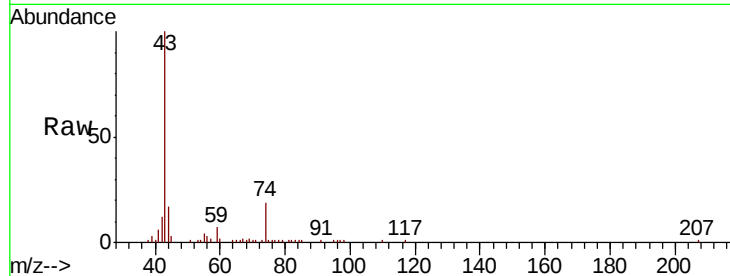




#15
Methyl Acetate
Concen: 9.140 ug/L
RT: 2.63 min Scan# 453
Delta R.T. -0.00 min
Lab File: VU027667.D
Acq: 17 Oct 2018 09:30

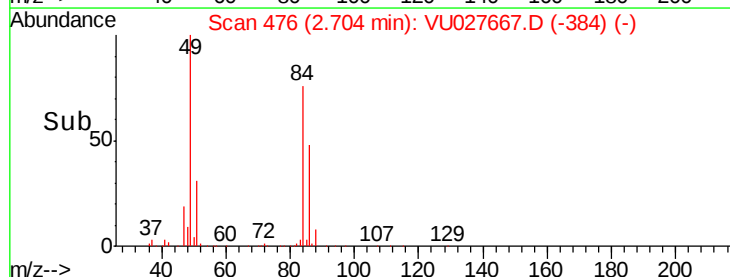
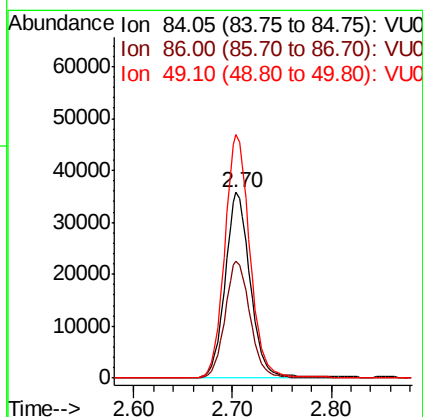
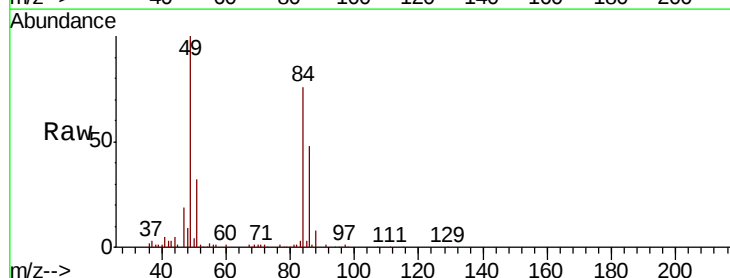
Instrument :
MSVOA_U
ClientSampleId :
VSTD01044

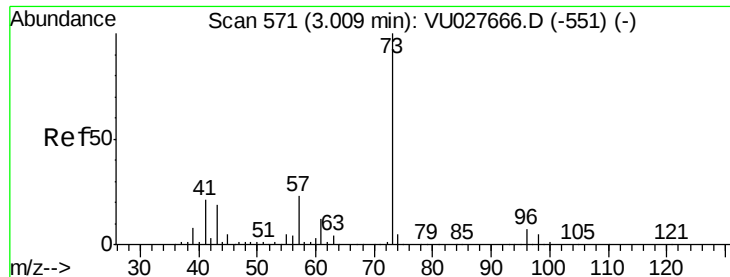
Tgt Ion: 43 Resp: 31008
Ion Ratio Lower Upper
43 100
74 22.3 18.7 28.1



#16
Methylene chloride
Concen: 9.667 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027667.D
Acq: 17 Oct 2018 09:30

Tgt Ion: 84 Resp: 62741
Ion Ratio Lower Upper
84 100
86 63.3 46.1 85.7
49 131.3 96.9 179.9





#17

Methyl tert-butyl Ether

Concen: 9.712 ug/L

RT: 3.01 min Scan# 571

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

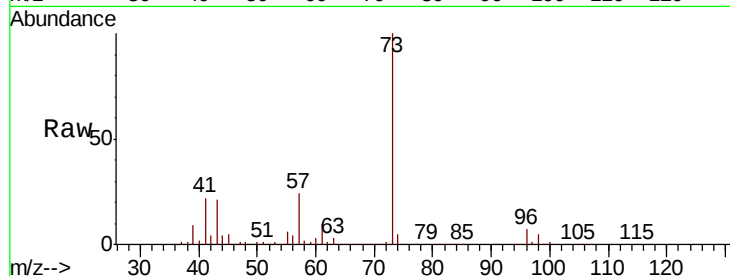
Tgt Ion: 73 Resp: 159770

Ion Ratio Lower Upper

73 100

43 20.1 15.8 23.8

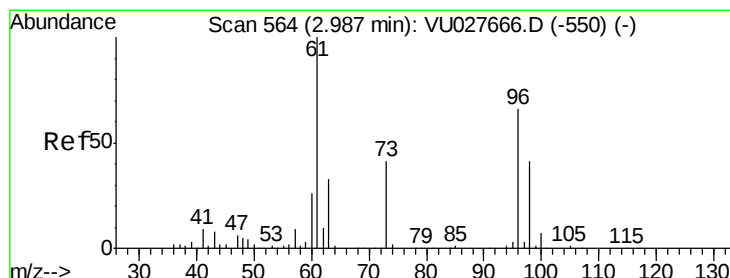
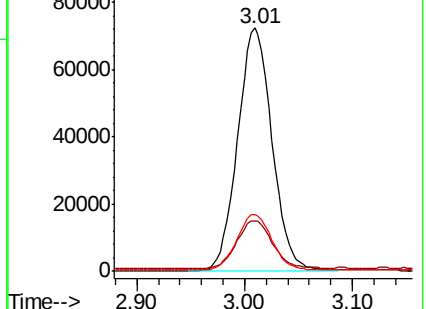
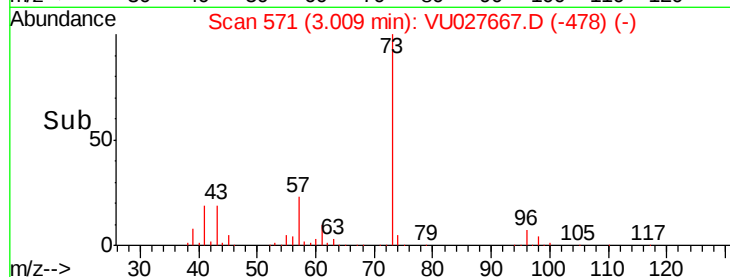
57 23.5 18.7 28.1



Abundance Ion 73.10 (72.80 to 73.80): VU027667.D (-478) (-)

Ion 43.05 (42.75 to 43.75): VU027667.D (-478) (-)

Ion 57.10 (56.80 to 57.80): VU027667.D (-478) (-)



#18

trans-1,2-Dichloroethene

Concen: 9.747 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

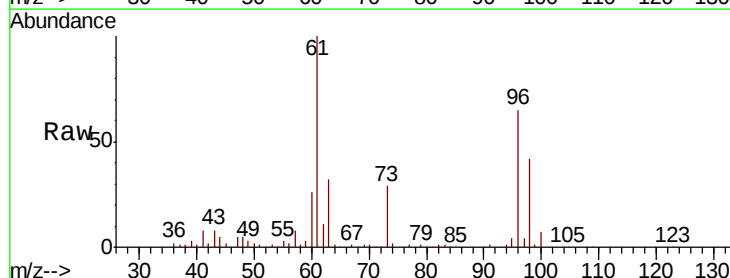
Tgt Ion: 96 Resp: 61655

Ion Ratio Lower Upper

96 100

61 152.8 105.8 196.4

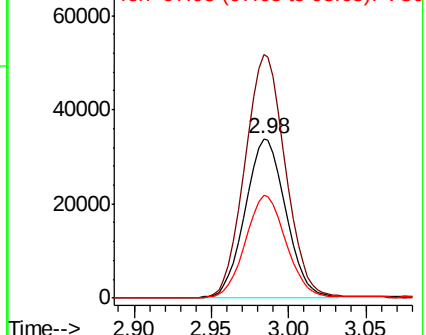
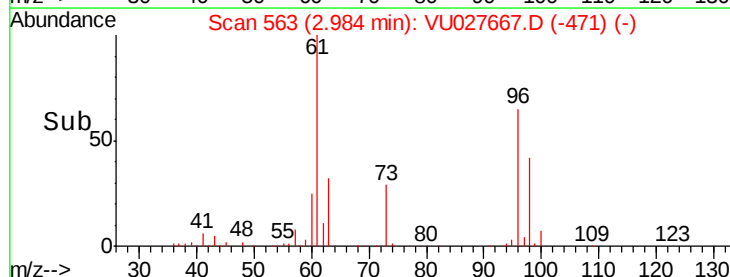
98 64.6 43.6 81.0

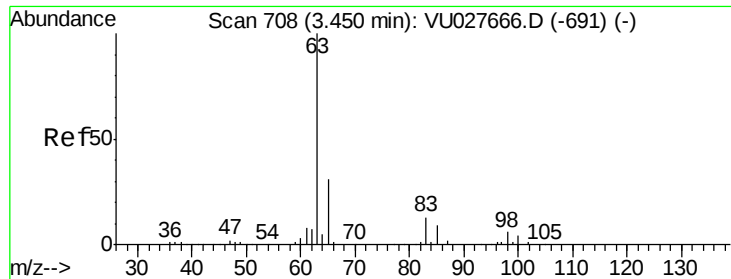


Abundance Ion 96.00 (95.70 to 96.70): VU027667.D (-471) (-)

Ion 61.05 (60.75 to 61.75): VU027667.D (-471) (-)

Ion 97.95 (97.65 to 98.65): VU027667.D (-471) (-)

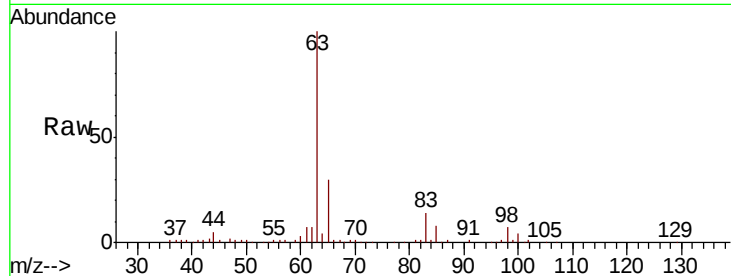




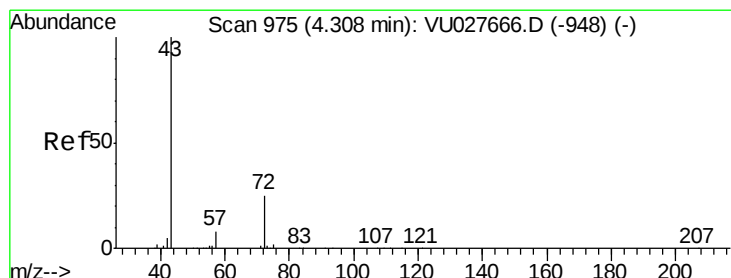
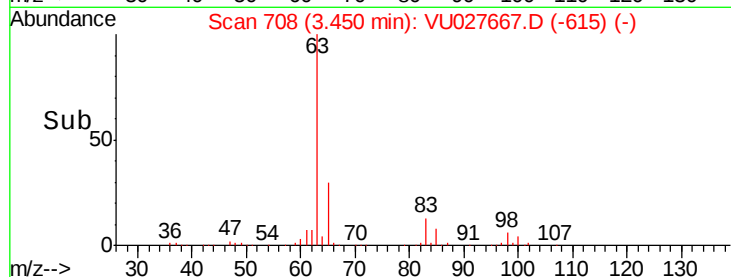
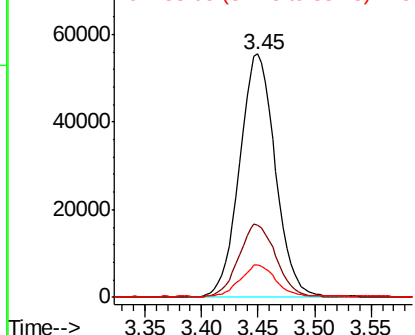
#19
 1,1-Dichloroethane
 Concen: 9.724 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027667.D
 Acq: 17 Oct 2018 09:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

Tgt Ion: 63 Resp: 122425
 Ion Ratio Lower Upper
 63 100
 65 29.9 22.3 41.3
 83 13.6 9.7 17.9

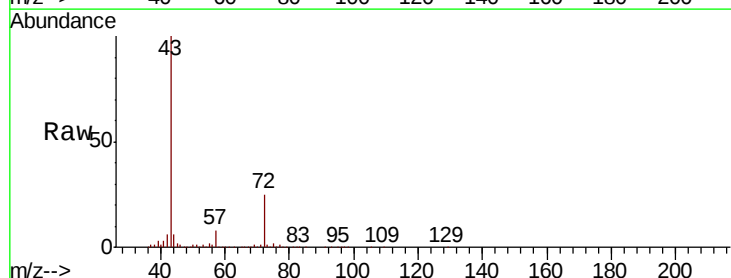


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

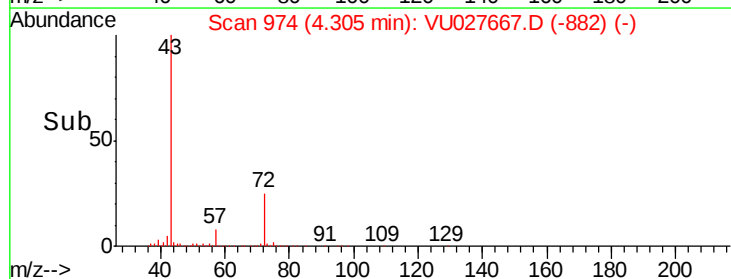
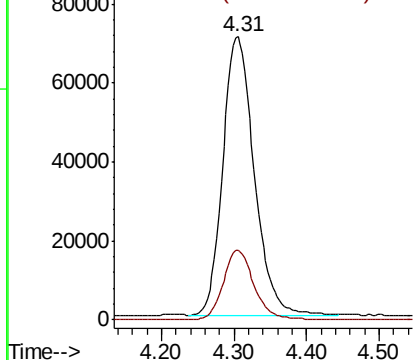


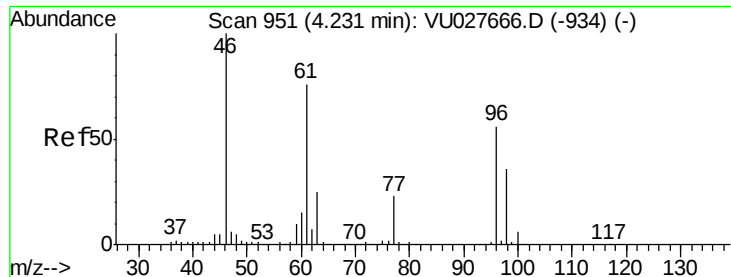
#21
 2-Butanone
 Concen: 95.995 ug/L
 RT: 4.31 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU027667.D
 Acq: 17 Oct 2018 09:30

Tgt Ion: 43 Resp: 211914
 Ion Ratio Lower Upper
 43 100
 72 23.9 11.7 35.1



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



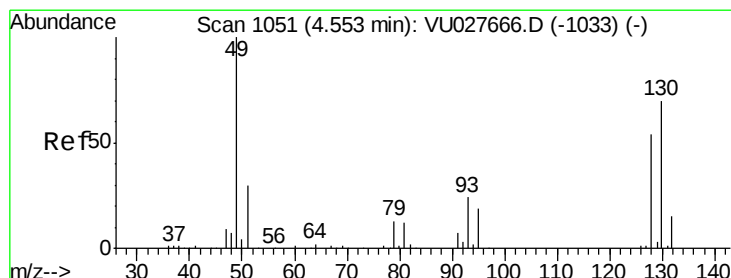
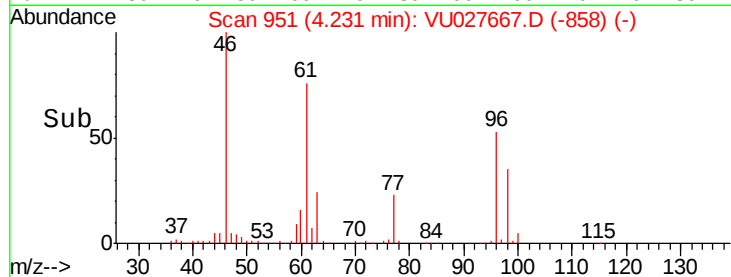
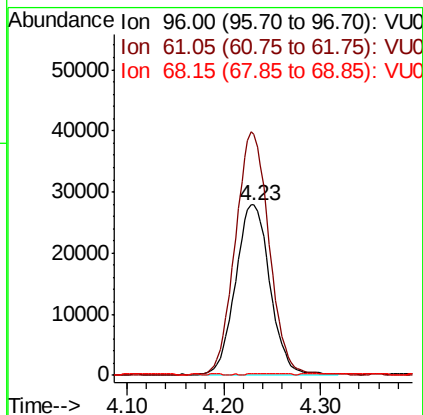
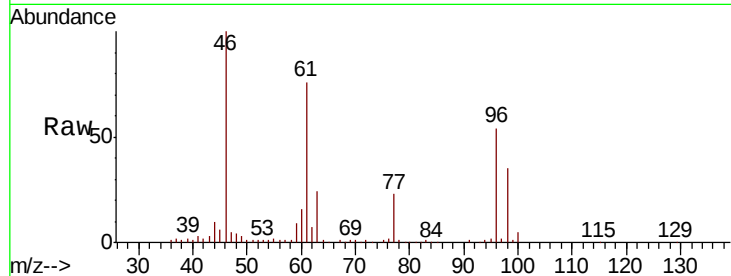


#22

cis-1,2-Dichloroethene
Concen: 9.764 ug/L
RT: 4.23 min Scan# 951
Delta R.T. 0.00 min
Lab File: VU027667.D
Acq: 17 Oct 2018 09:30

Instrument :
MSVOA_U
ClientSampled :
VSTD01044

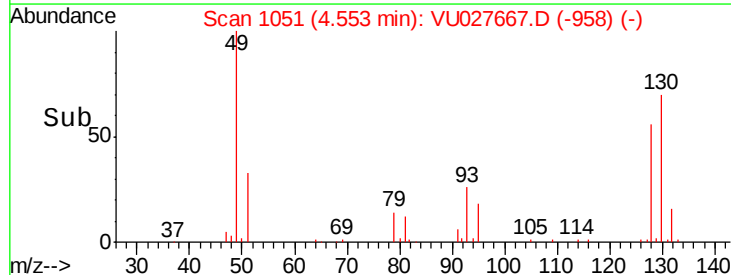
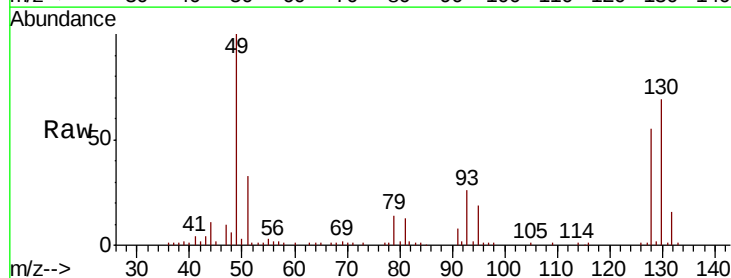
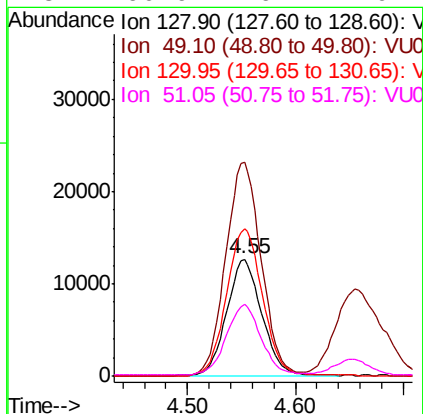
Tgt Ion: 96 Resp: 68363
Ion Ratio Lower Upper
96 100
61 141.2 95.3 176.9
68 0.9 1.1 2.1#

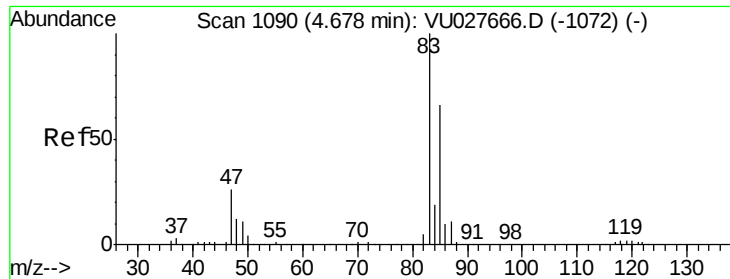


#23

Bromochloromethane
Concen: 9.152 ug/L
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027667.D
Acq: 17 Oct 2018 09:30

Tgt Ion: 128 Resp: 28856
Ion Ratio Lower Upper
128 100
49 182.7 130.4 242.2
130 126.3 91.9 170.7
51 60.9 46.7 70.1

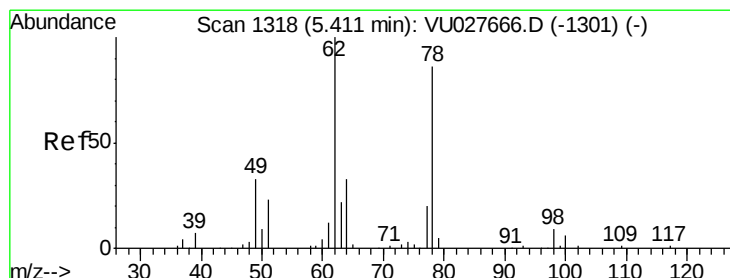
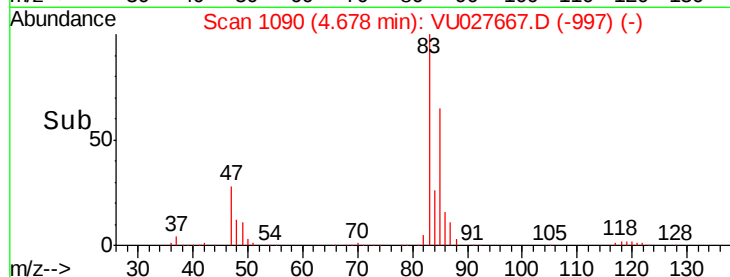
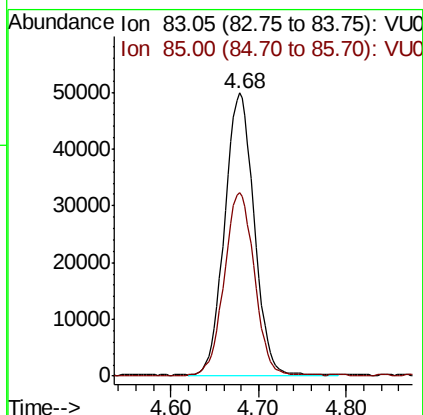
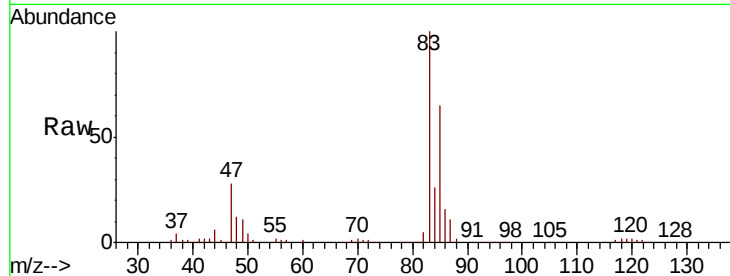




#25
Chloroform
Concen: 9.536 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027667.D
Acq: 17 Oct 2018 09:30

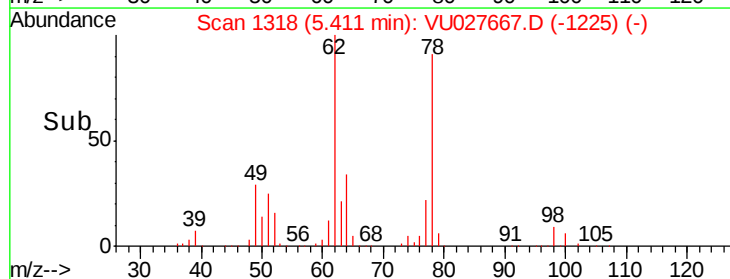
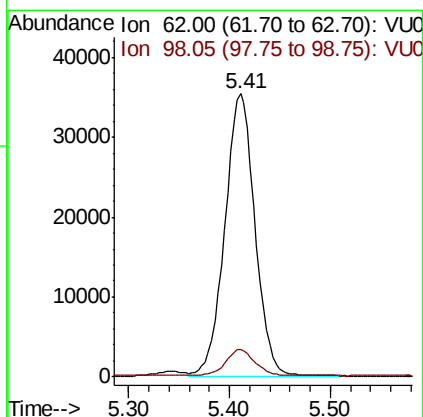
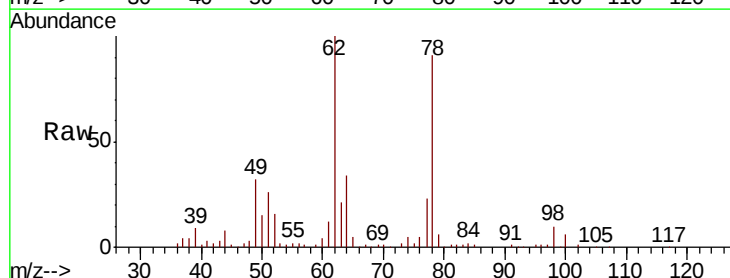
Instrument :
MSVOA_U
ClientSampleId :
VSTD01044

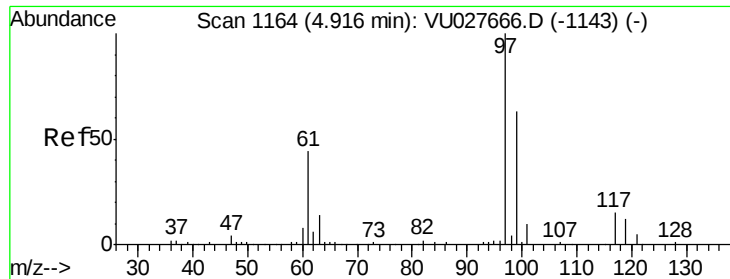
Tgt Ion: 83 Resp: 115857
Ion Ratio Lower Upper
83 100
85 64.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 9.573 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027667.D
Acq: 17 Oct 2018 09:30

Tgt Ion: 62 Resp: 73629
Ion Ratio Lower Upper
62 100
98 9.8 8.4 12.6

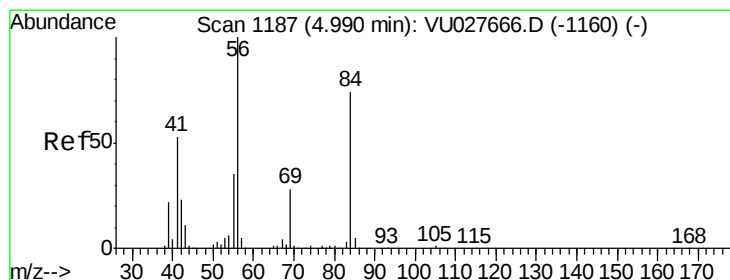
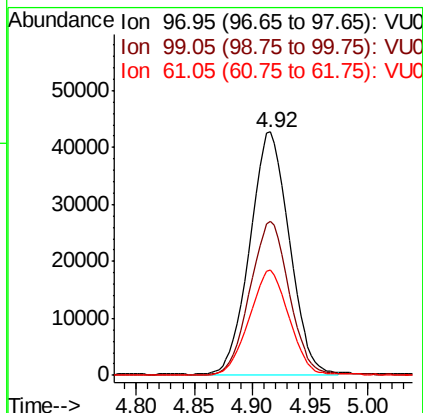
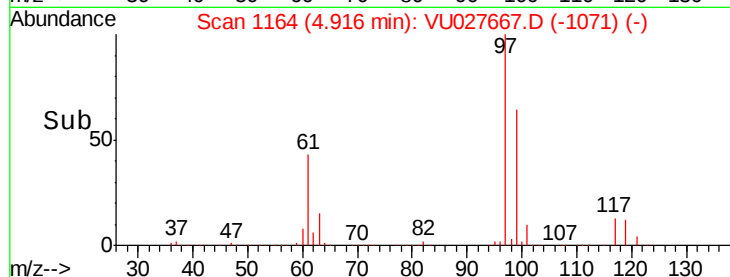
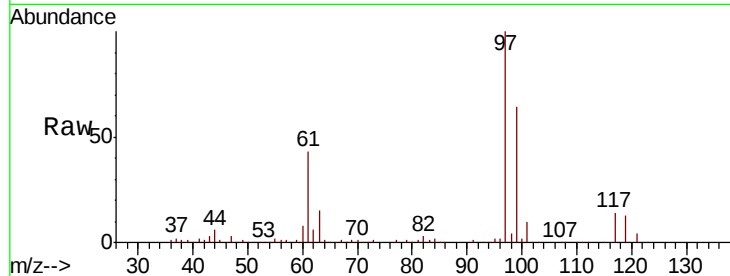




#29
 1,1,1-Trichloroethane
 Concen: 9.784 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU027667.D
 Acq: 17 Oct 2018 09:30

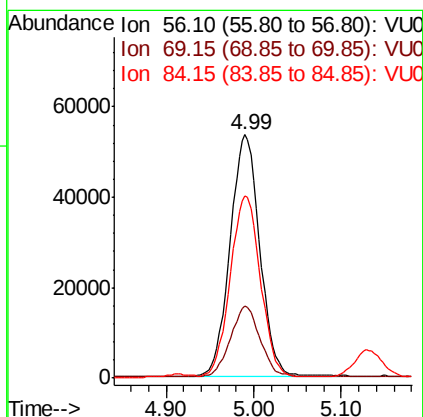
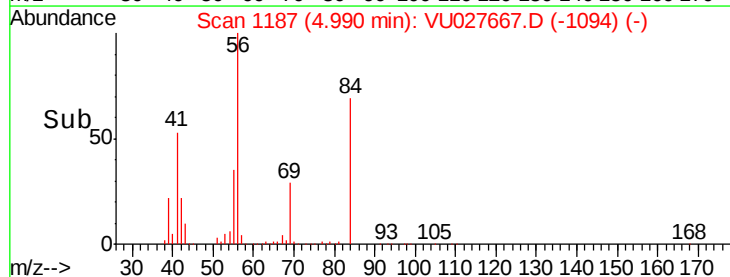
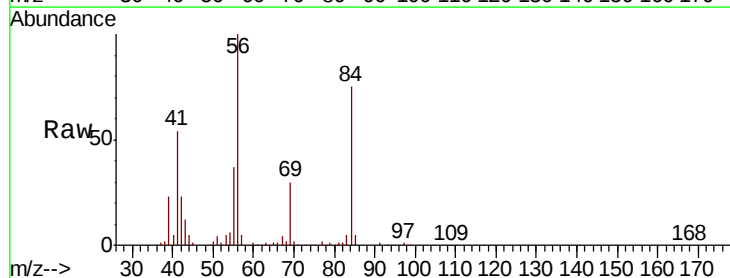
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

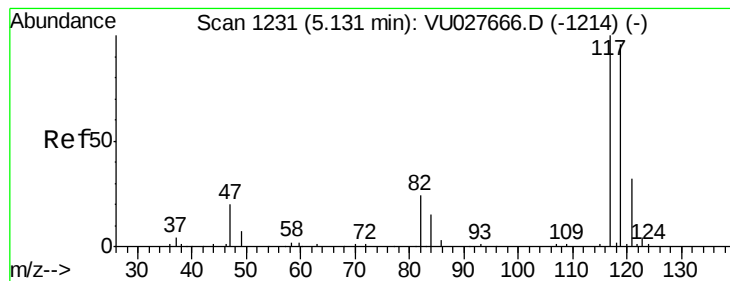
Tgt Ion: 97 Resp: 100862
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.4 77.2
 61 43.9 35.7 53.5



#30
 Cyclohexane
 Concen: 9.694 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU027667.D
 Acq: 17 Oct 2018 09:30

Tgt Ion: 56 Resp: 125584
 Ion Ratio Lower Upper
 56 100
 69 29.1 23.4 35.2
 84 75.9 59.4 89.2





#31

Carbon tetrachloride

Concen: 9.594 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

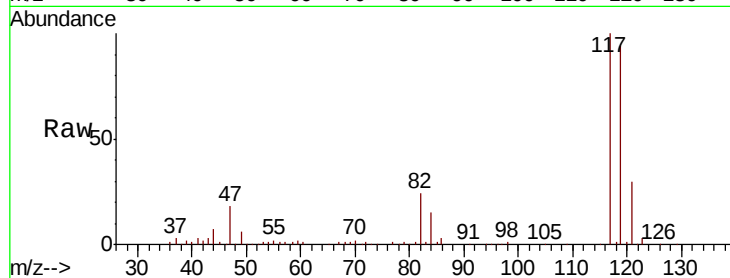
VSTD01044

Tgt Ion:117 Resp: 89581

Ion Ratio Lower Upper

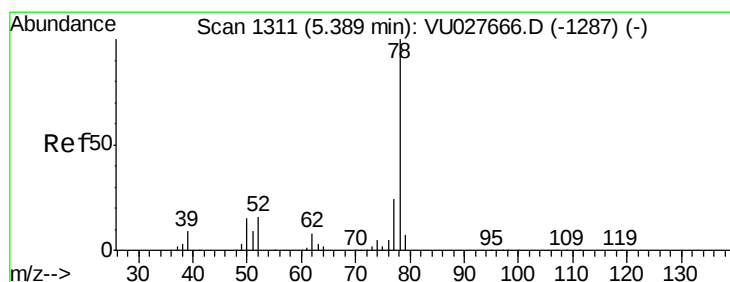
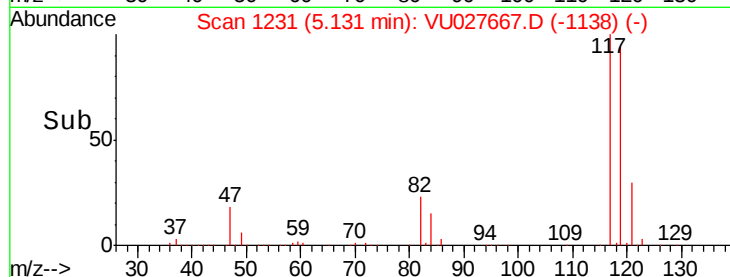
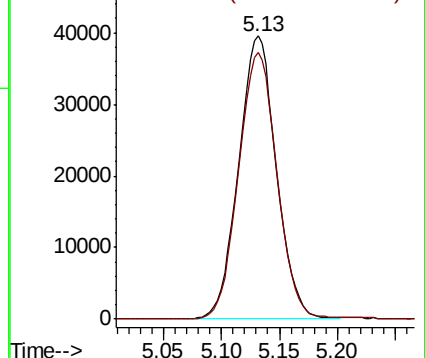
117 100

119 95.9 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: 9.564 ug/L

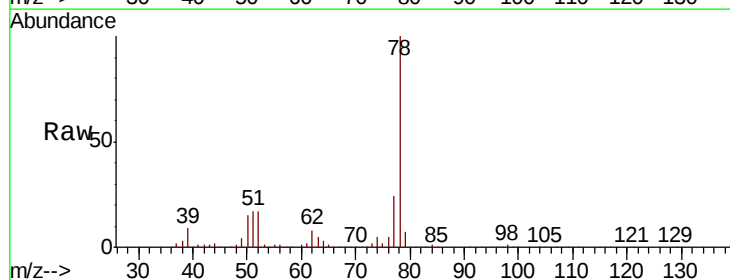
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

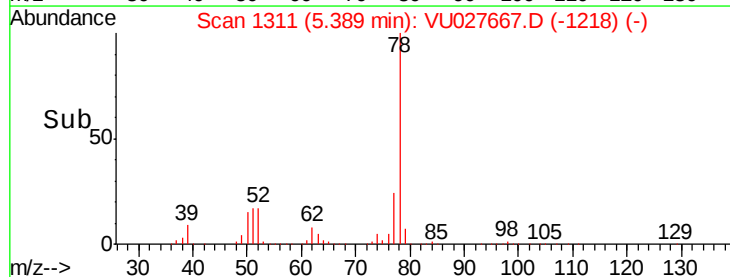
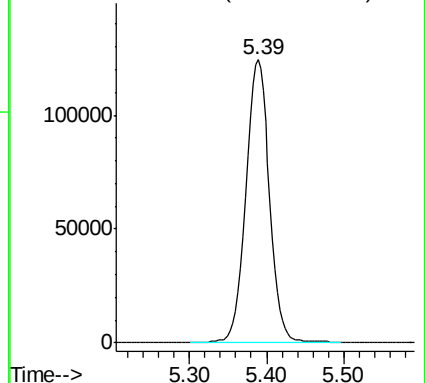
Lab File: VU027667.D

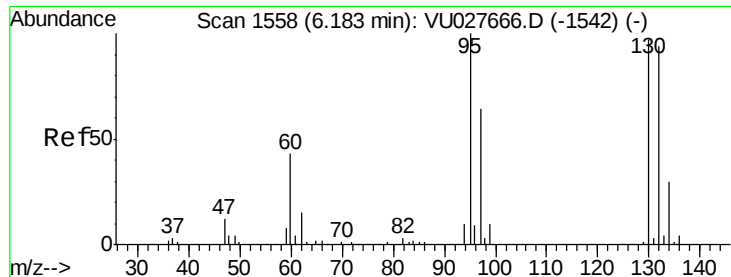
Acq: 17 Oct 2018 09:30

Tgt Ion: 78 Resp: 263202



Abundance Ion 78.10 (77.80 to 78.80): VU0

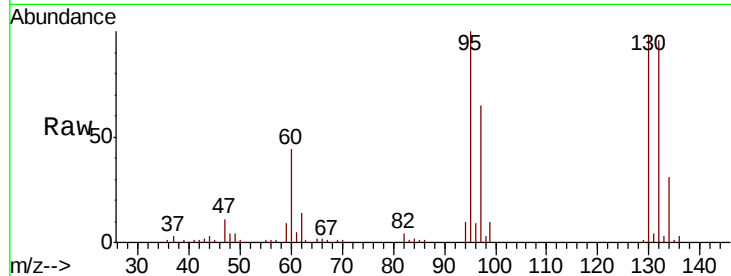




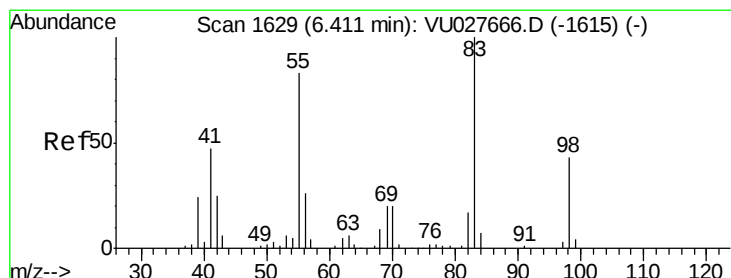
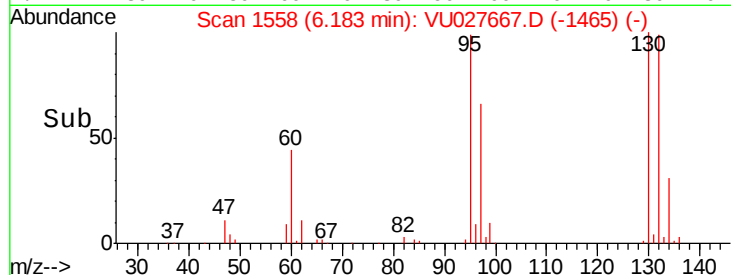
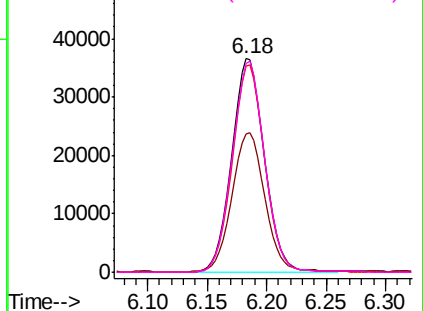
#34
 Trichloroethene
 Concen: 9.779 ug/L
 RT: 6.18 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VU027667.D
 Acq: 17 Oct 2018 09:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

Tgt Ion: 95 Resp: 69656
 Ion Ratio Lower Upper
 95 100
 97 64.7 44.7 83.1
 132 96.3 65.9 122.5
 130 97.6 67.9 126.1

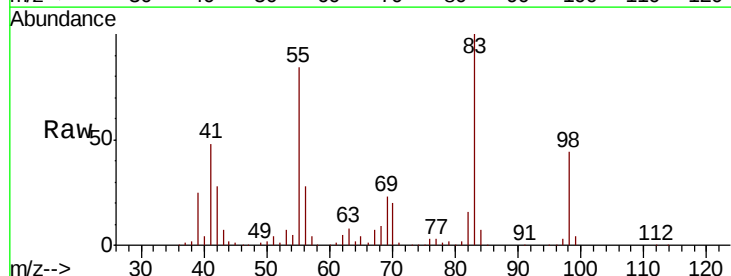


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

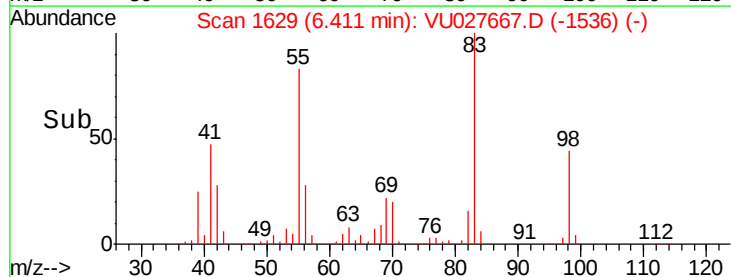
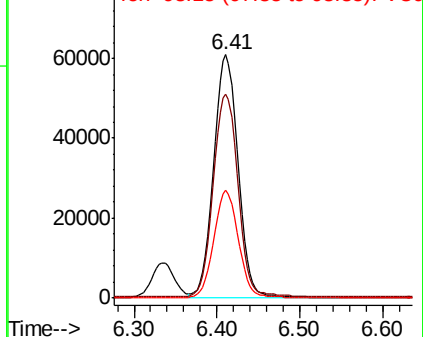


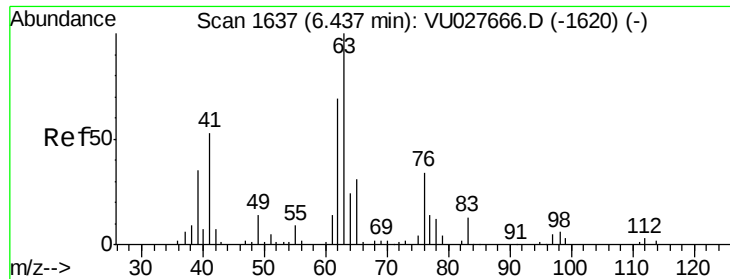
#35
 Methylcyclohexane
 Concen: 10.115 ug/L
 RT: 6.41 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU027667.D
 Acq: 17 Oct 2018 09:30

Tgt Ion: 83 Resp: 124167
 Ion Ratio Lower Upper
 83 100
 55 83.8 69.0 103.4
 98 43.9 35.4 53.2



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

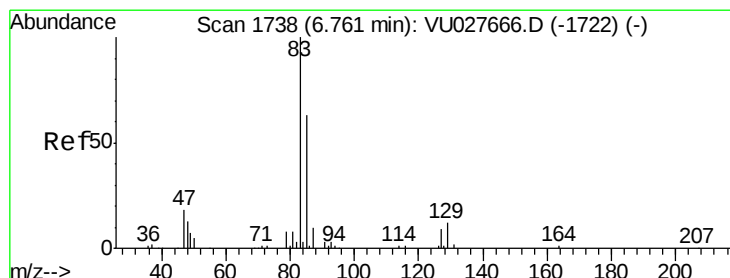
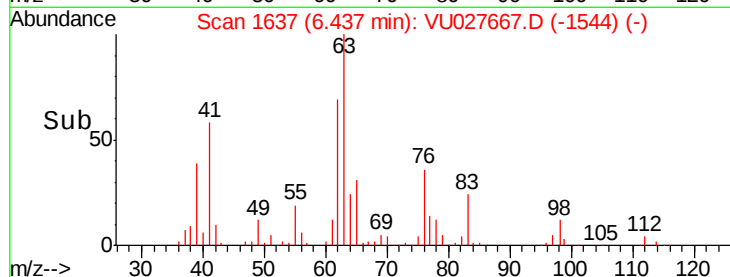
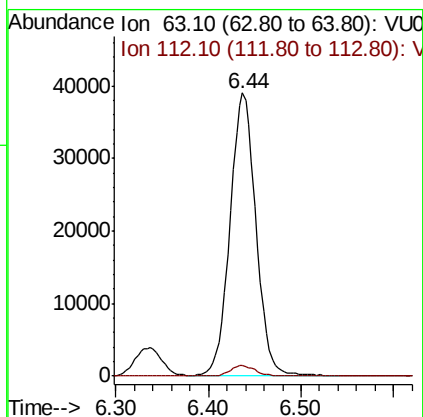
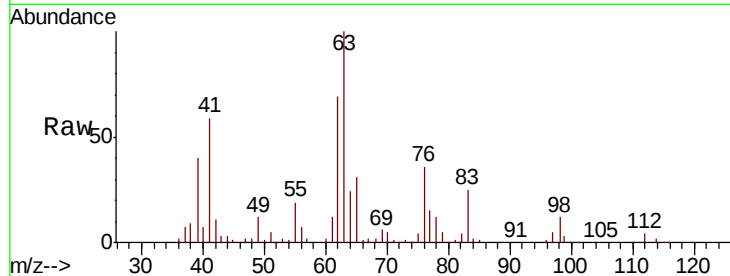




#37
 1,2-Dichloropropane
 Concen: 9.610 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027667.D
 Acq: 17 Oct 2018 09:30

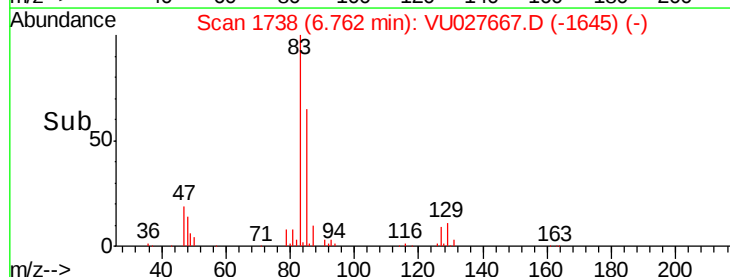
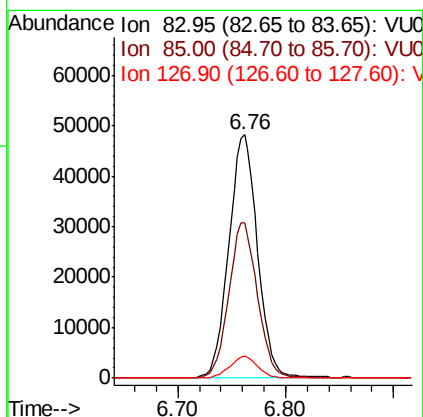
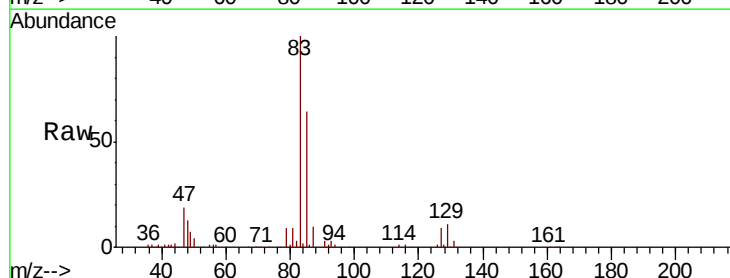
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

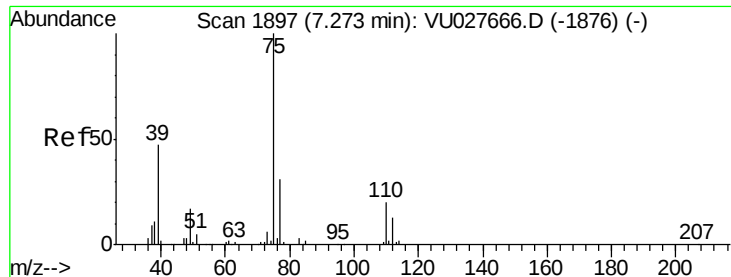
Tgt Ion: 63 Resp: 75935
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.8 4.2



#38
 Bromodichloromethane
 Concen: 9.627 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027667.D
 Acq: 17 Oct 2018 09:30

Tgt Ion: 83 Resp: 88403
 Ion Ratio Lower Upper
 83 100
 85 63.9 43.7 81.1
 127 9.0 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 9.878 ug/L

RT: 7.27 min Scan# 1897

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

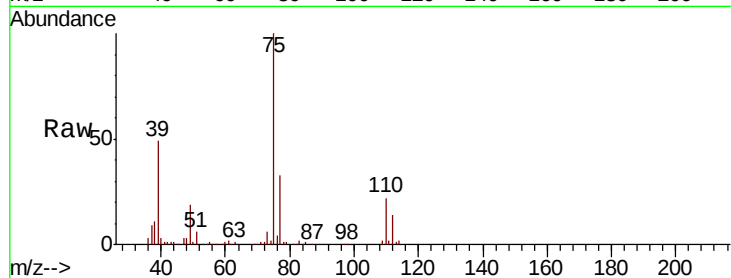
VSTD01044

Tgt Ion: 75 Resp: 113519

Ion Ratio Lower Upper

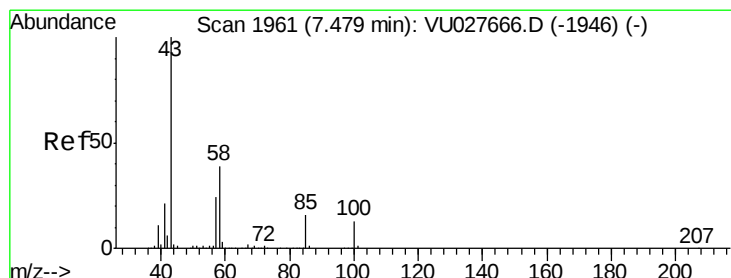
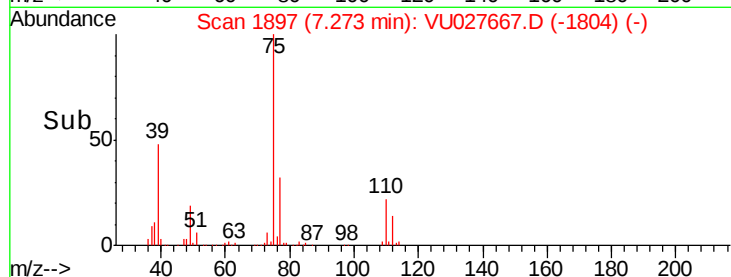
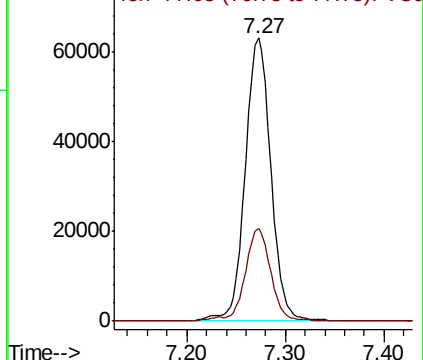
75 100

77 32.5 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 95.972 ug/L

RT: 7.48 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

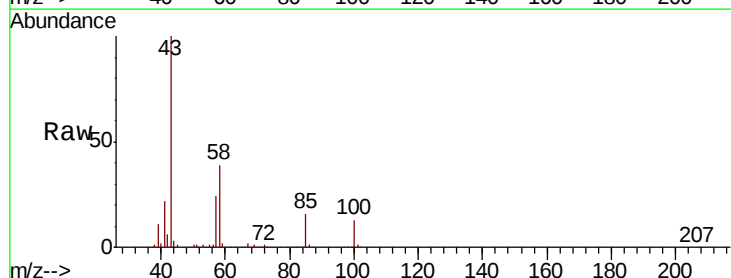
Tgt Ion: 43 Resp: 511913

Ion Ratio Lower Upper

43 100

58 38.4 30.4 45.6

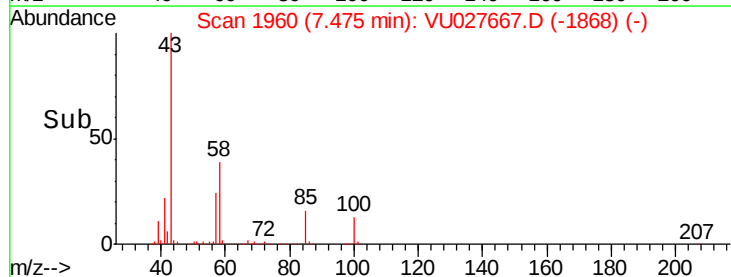
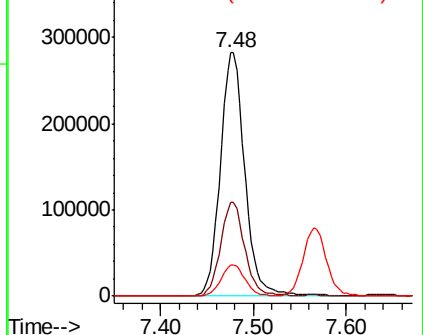
100 12.7 10.2 15.4

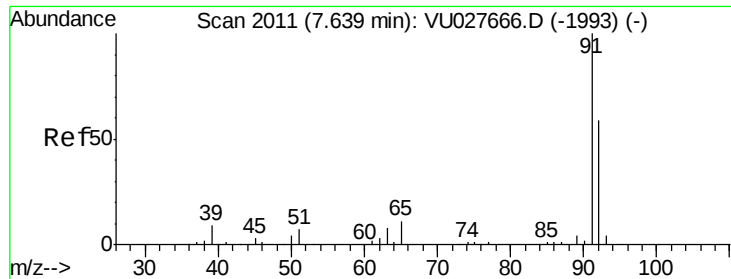


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 9.732 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

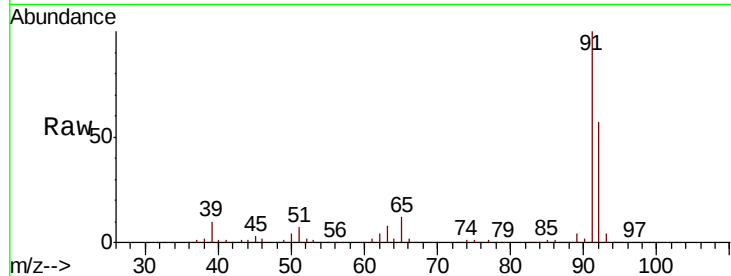
VSTD01044

Tgt Ion: 91 Resp: 287731

Ion Ratio Lower Upper

91 100

92 56.9 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.64

150000

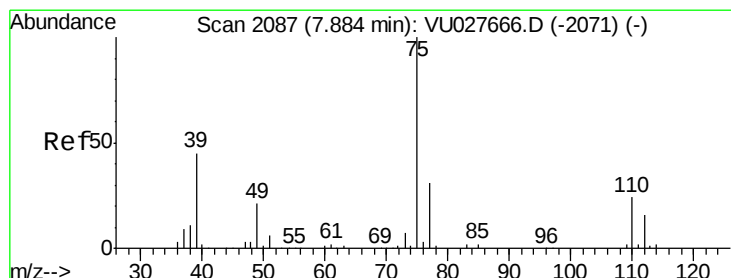
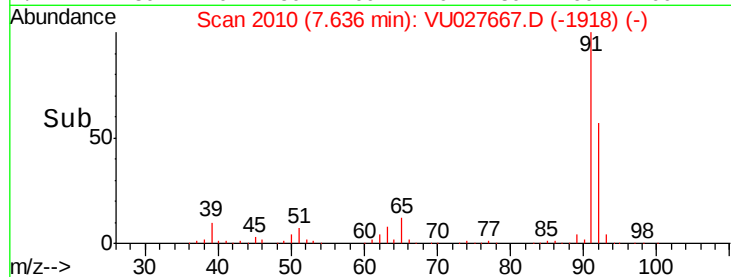
100000

50000

0

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.982 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027667.D

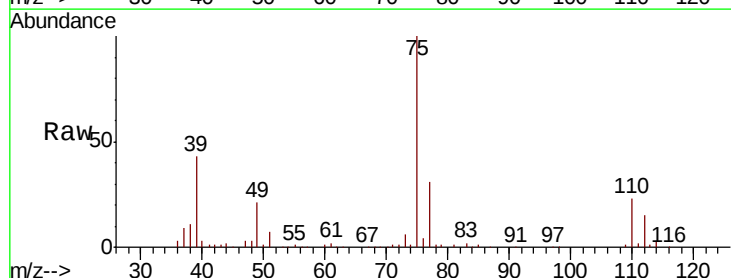
Acq: 17 Oct 2018 09:30

Tgt Ion: 75 Resp: 94665

Ion Ratio Lower Upper

75 100

77 31.2 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.88

60000

50000

40000

30000

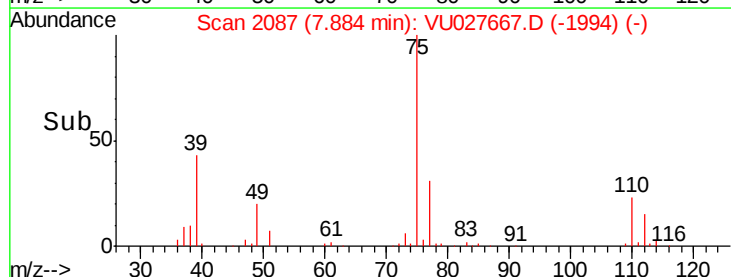
20000

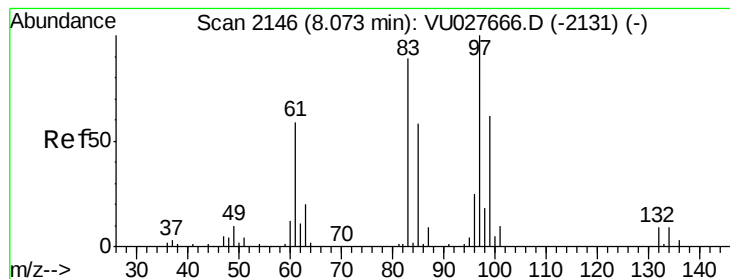
10000

0

7.80 7.85 7.90 7.95

Time-->





#45

1,1,2-Trichloroethane

Concen: 9.485 ug/L

RT: 8.07 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

Tgt Ion: 97 Resp: 48201

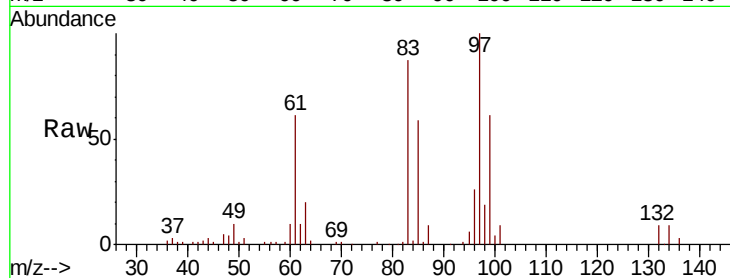
Ion Ratio Lower Upper

97 100

99 61.0 43.5 80.7

83 86.7 62.0 115.2

85 58.7 40.5 75.1



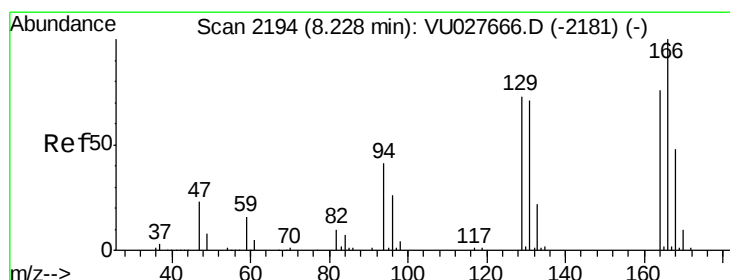
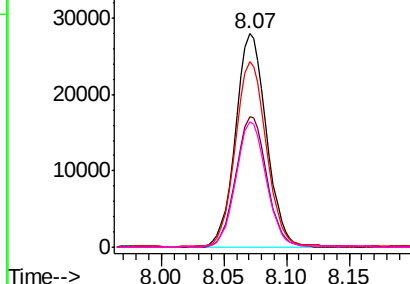
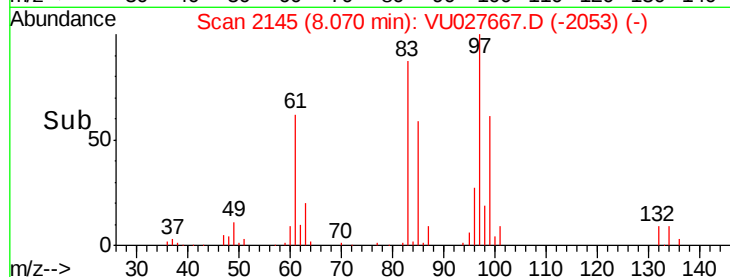
Abundance

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: 9.821 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Tgt Ion: 164 Resp: 55852

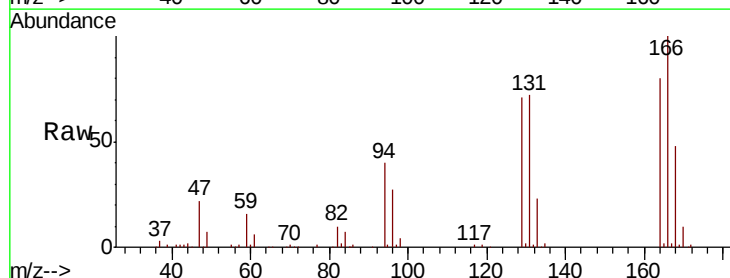
Ion Ratio Lower Upper

164 100

129 89.5 67.3 124.9

131 90.5 64.8 120.3

166 125.5 91.8 170.4



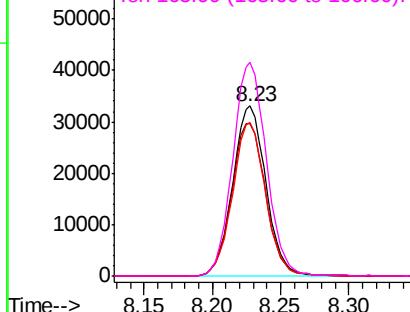
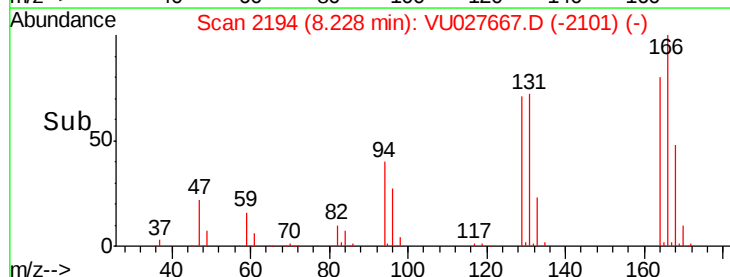
Abundance

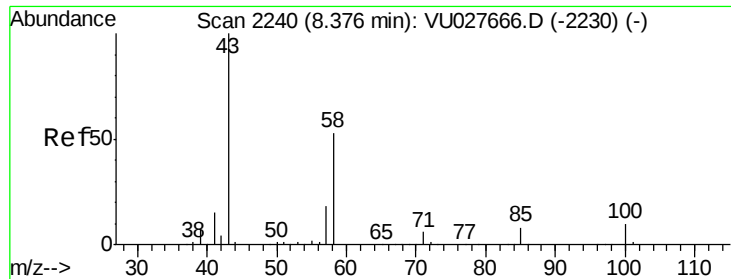
Ion 163.90 (163.60 to 164.60): V

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

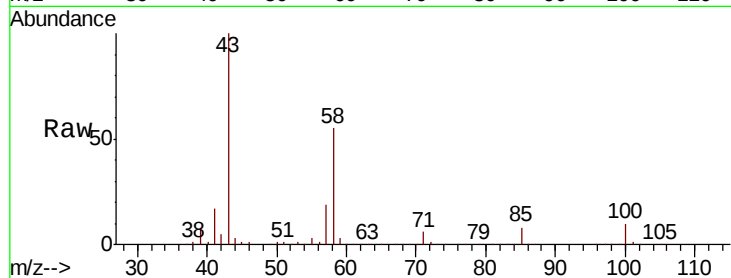




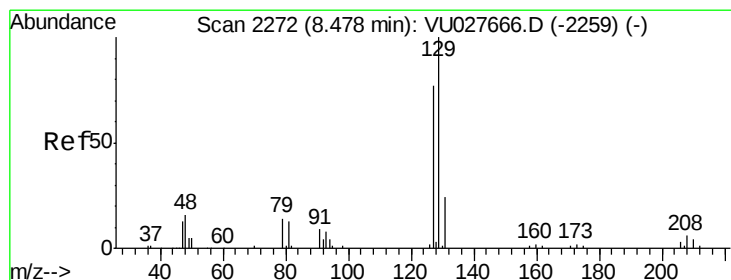
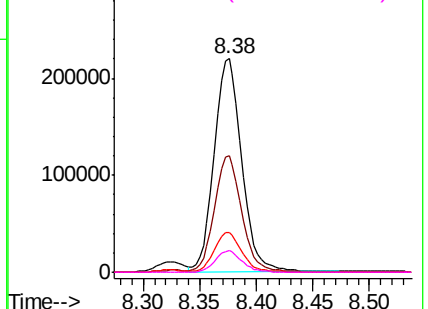
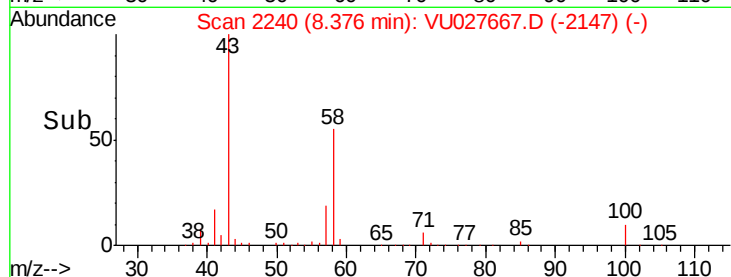
#48
2-Hexanone
Concen: 97.038 ug/L
RT: 8.38 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VU027667.D
Acq: 17 Oct 2018 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD01044

Tgt Ion: 43 Resp: 370844
Ion Ratio Lower Upper
43 100
58 54.1 42.7 64.1
57 18.3 14.5 21.7
100 10.0 8.1 12.1

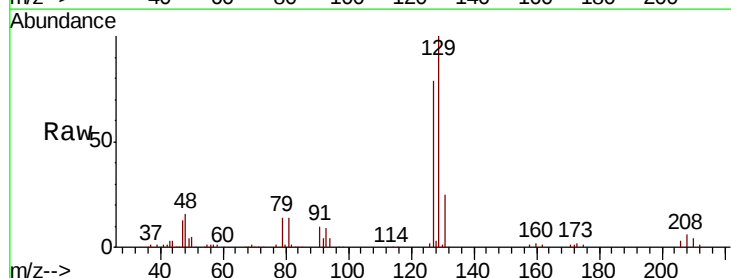


Abundance Ion 43.05 (42.75 to 43.75): VU027667.D (-2147) (-)
Ion 58.05 (57.75 to 58.75): VU027667.D (-2147) (-)
Ion 57.20 (56.90 to 57.90): VU027667.D (-2147) (-)
Ion 100.15 (99.85 to 100.85): VU027667.D (-2147) (-)

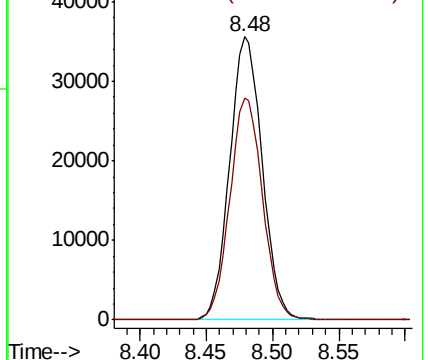
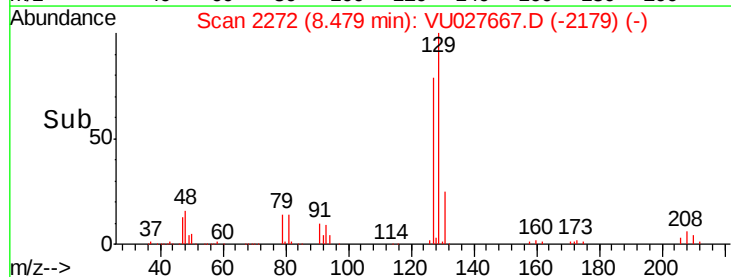


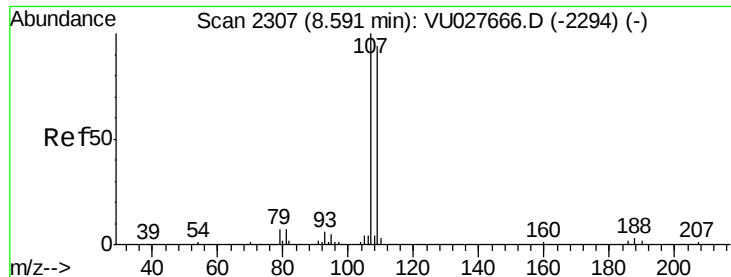
#49
Dibromochloromethane
Concen: 9.644 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027667.D
Acq: 17 Oct 2018 09:30

Tgt Ion: 129 Resp: 60898
Ion Ratio Lower Upper
129 100
127 78.6 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): VU027667.D (-2179) (-)
Ion 126.90 (126.60 to 127.60): VU027667.D (-2179) (-)





#50

1,2-Dibromoethane

Concen: 9.695 ug/L

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

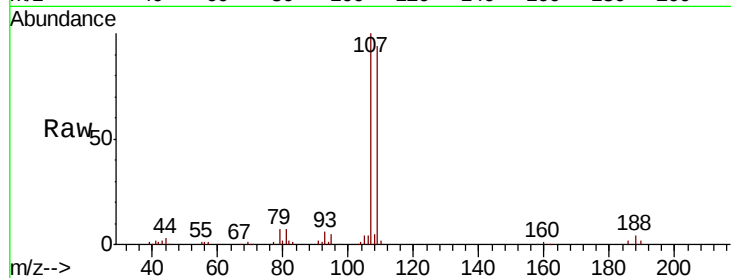
Tgt Ion:107 Resp: 46170

Ion Ratio Lower Upper

107 100

109 94.1 66.1 122.7

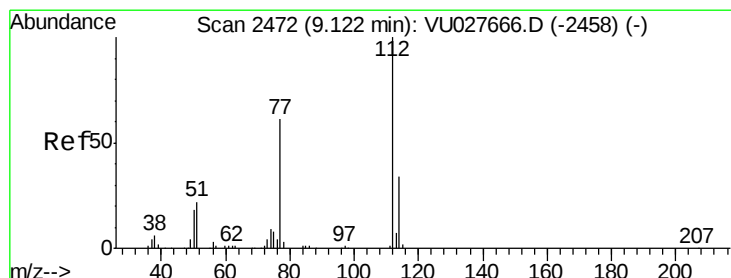
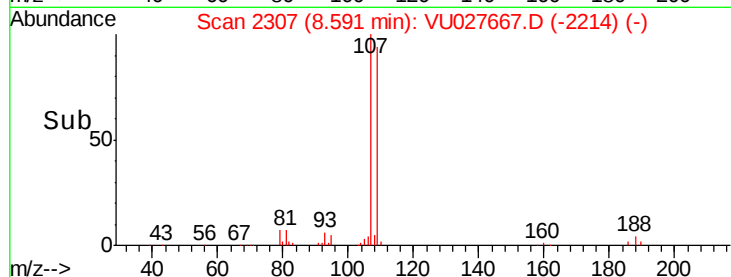
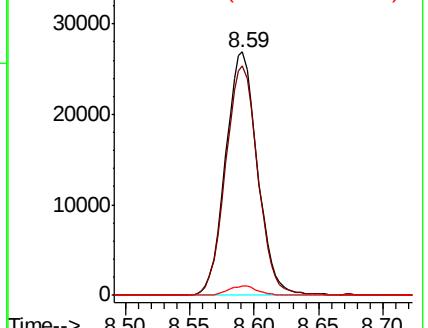
188 3.6 2.6 4.0



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: 9.808 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

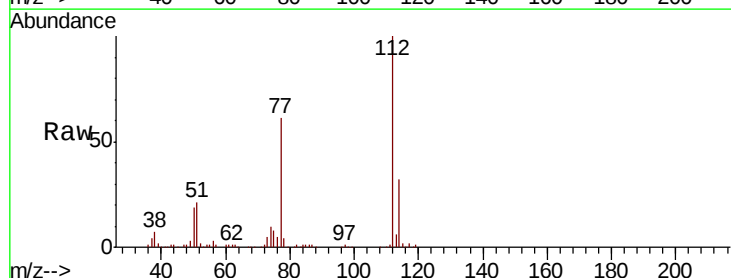
Tgt Ion:112 Resp: 177948

Ion Ratio Lower Upper

112 100

114 31.9 23.4 43.6

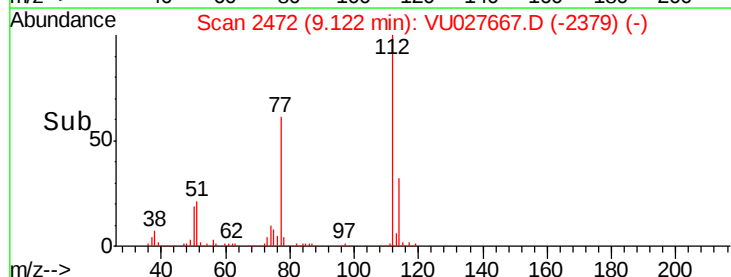
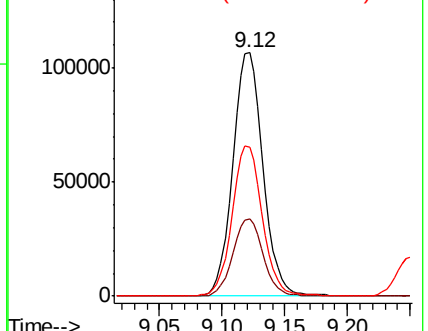
77 61.4 49.5 74.3

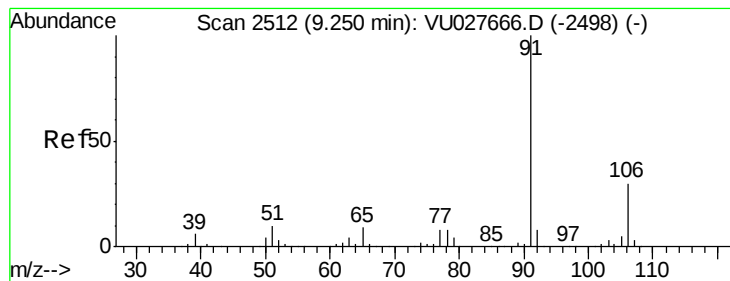


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 9.801 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

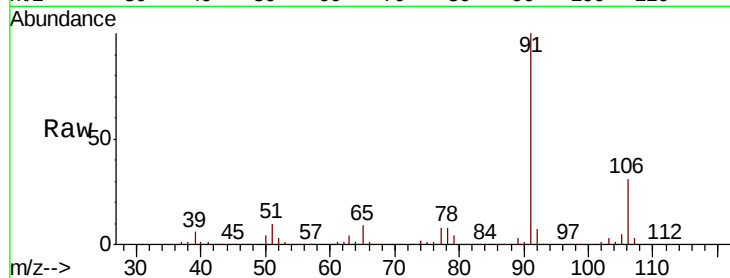
VSTD01044

Tgt Ion: 91 Resp: 321195

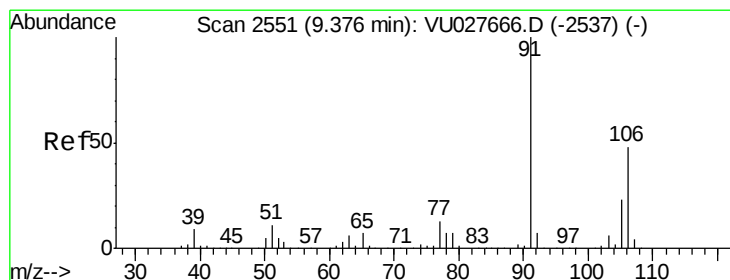
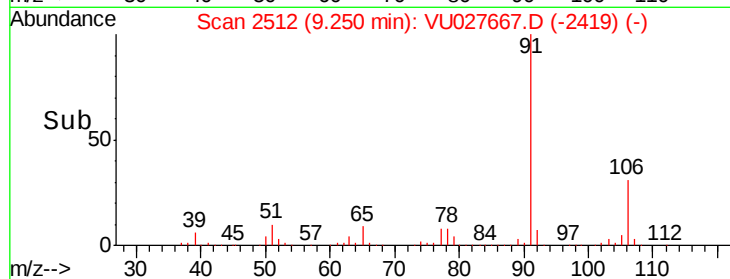
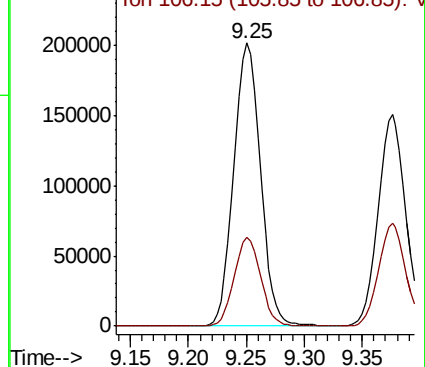
Ion Ratio Lower Upper

91 100

106 31.4 20.9 38.9



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



#53

m,p-xylene

Concen: 9.807 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027667.D

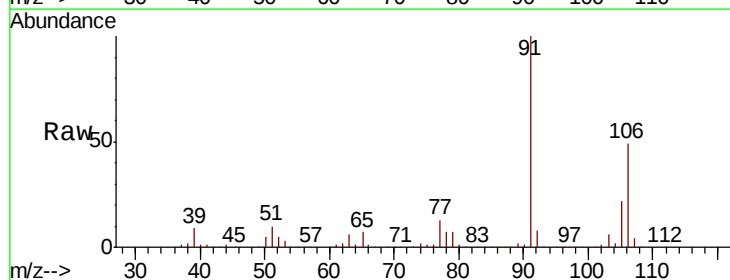
Acq: 17 Oct 2018 09:30

Tgt Ion: 106 Resp: 119596

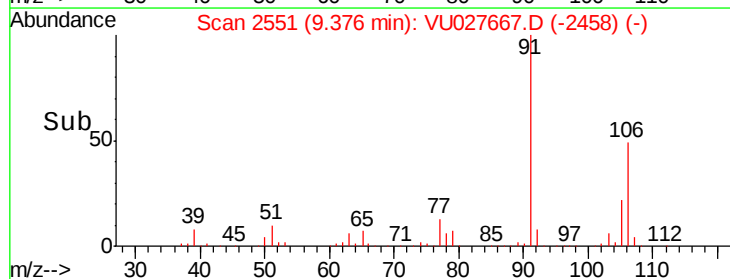
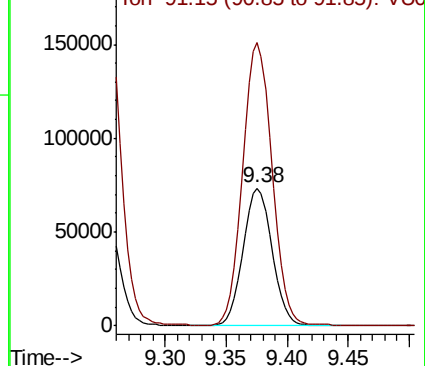
Ion Ratio Lower Upper

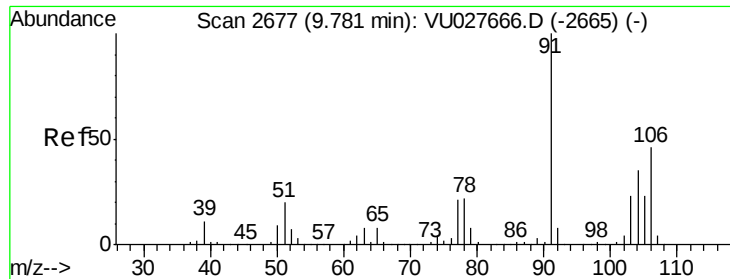
106 100

91 205.4 146.8 272.6



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

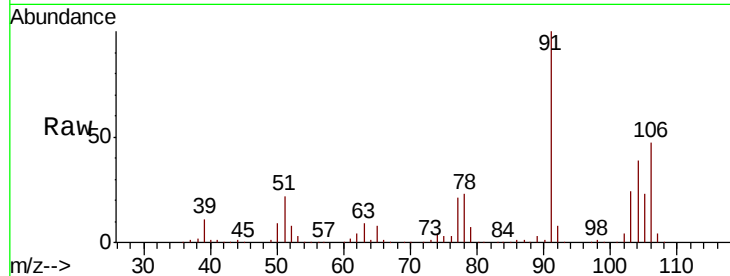




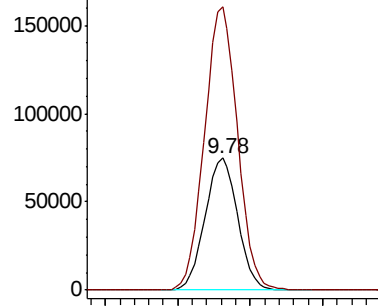
#54
o-xylene
Concen: 9.779 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027667.D
Acq: 17 Oct 2018 09:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD01044

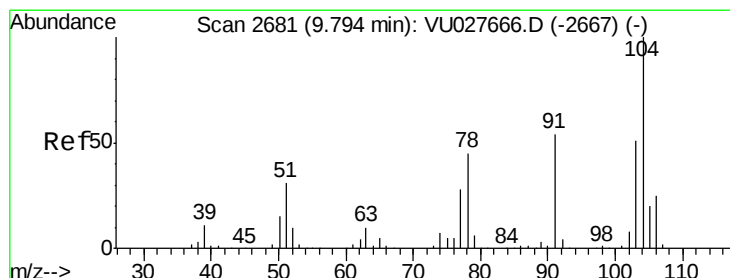
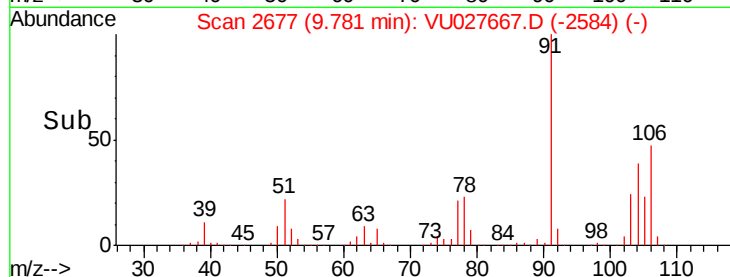
Tgt Ion:106 Resp: 117072
Ion Ratio Lower Upper
106 100
91 214.2 153.5 285.1



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

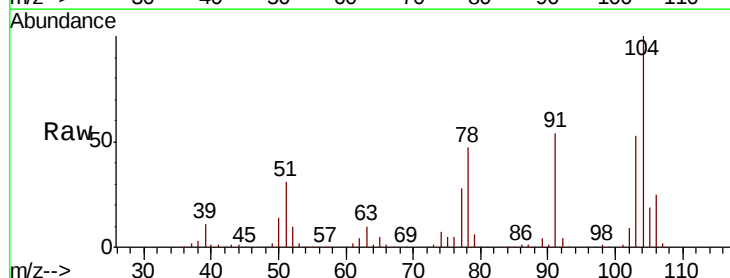


Time-->

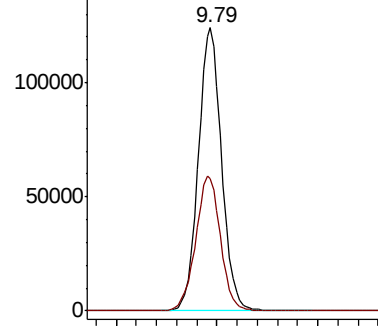


#55
Styrene
Concen: 9.902 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027667.D
Acq: 17 Oct 2018 09:30

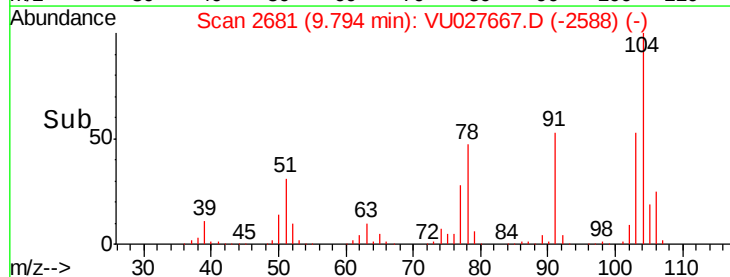
Tgt Ion:104 Resp: 199322
Ion Ratio Lower Upper
104 100
78 47.0 31.8 59.0

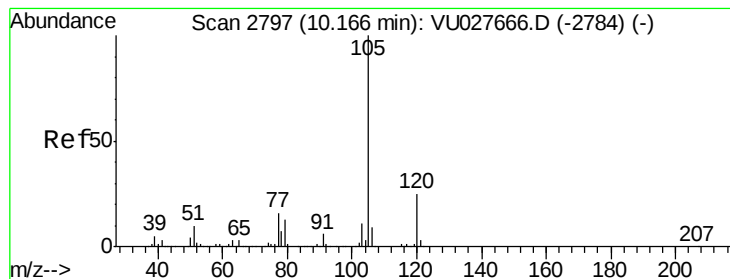


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 9.835 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

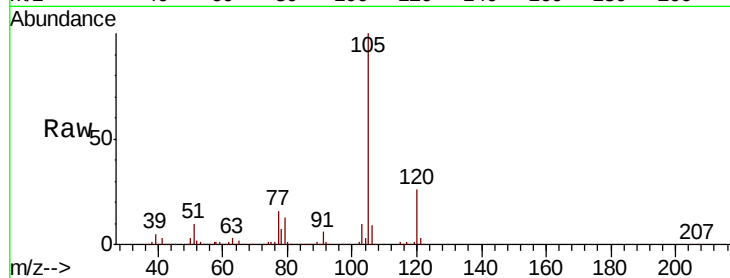
Tgt Ion: 105 Resp: 313070

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

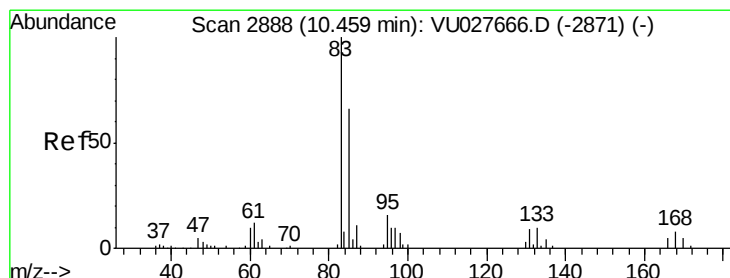
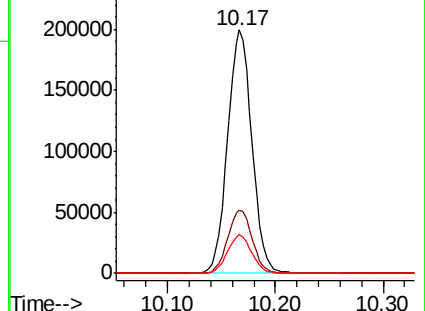
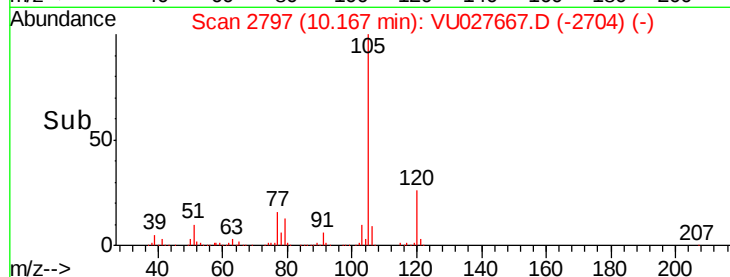
77 15.8 12.6 18.8



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: 9.121 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

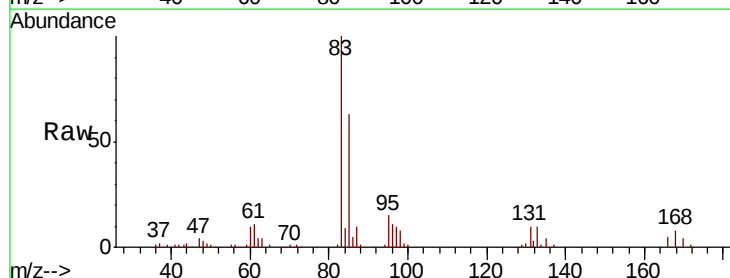
Tgt Ion: 83 Resp: 60629

Ion Ratio Lower Upper

83 100

85 63.5 46.1 85.7

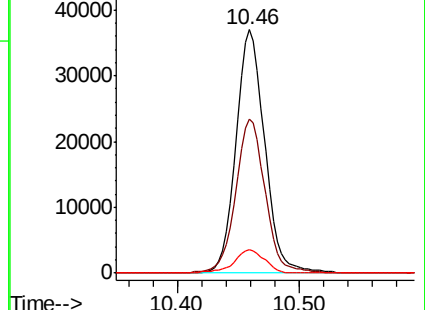
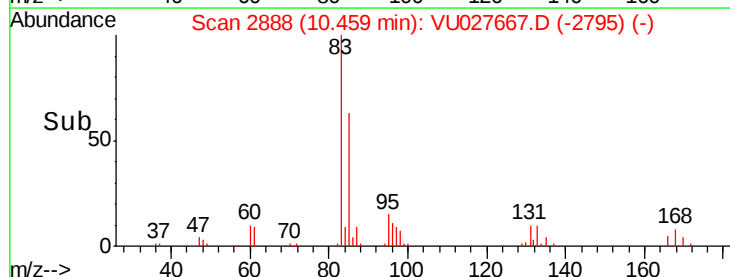
131 9.6 7.0 10.4

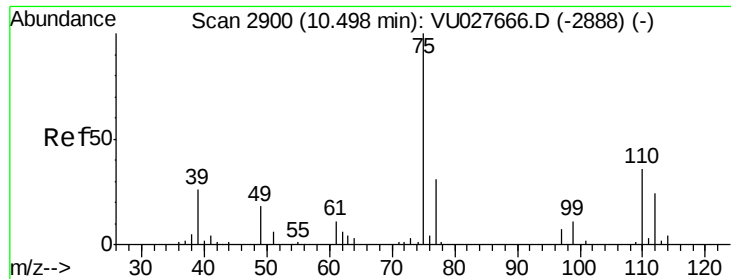


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

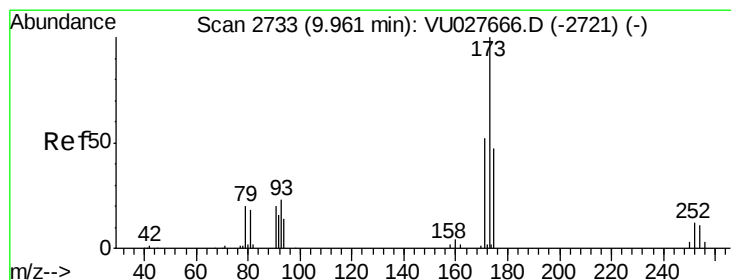
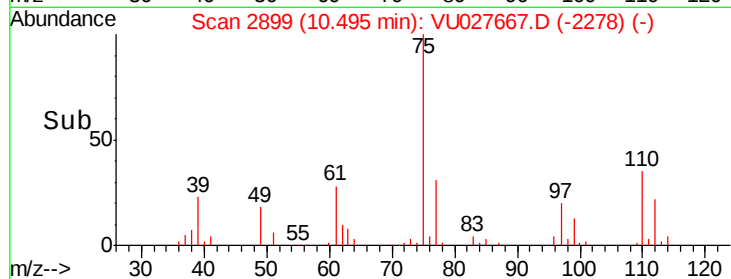
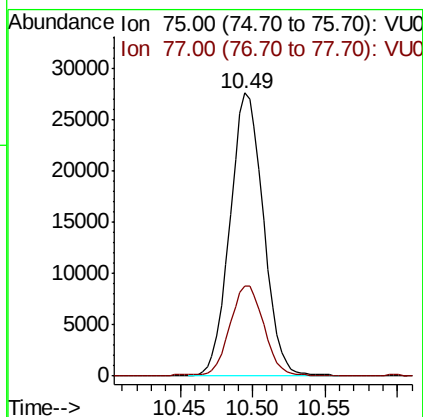
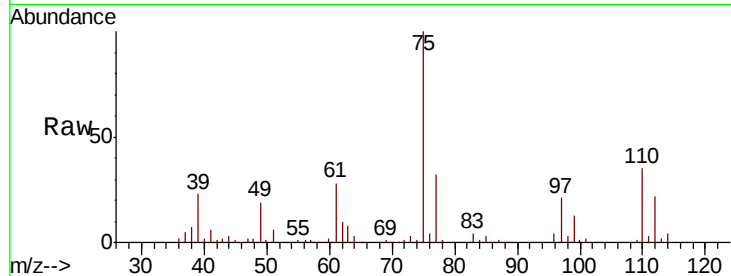




#59
 1,2,3-Trichloropropane
 Concen: 9.744 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027667.D
 Acq: 17 Oct 2018 09:30

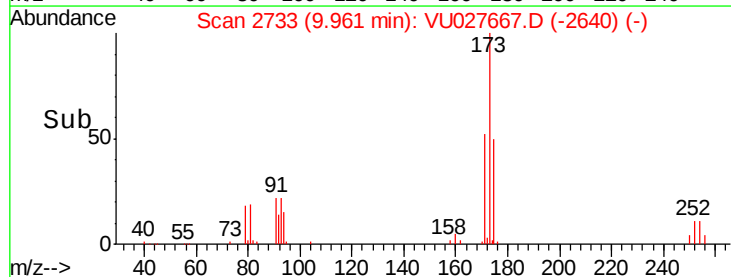
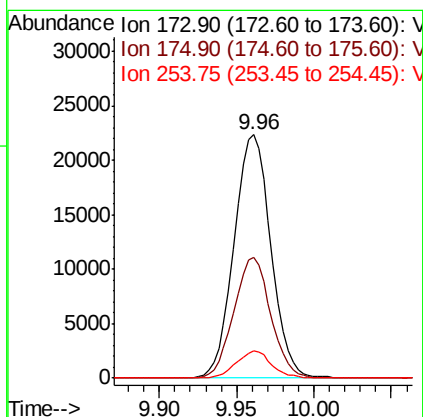
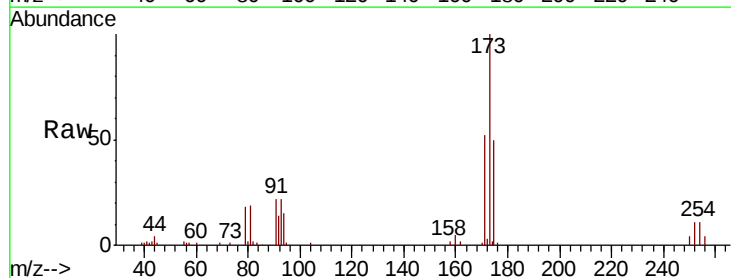
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

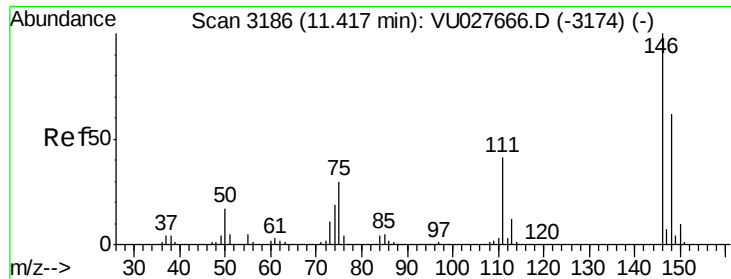
Tgt Ion: 75 Resp: 44250
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.9 40.3



#61
 Bromoform
 Concen: 9.539 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027667.D
 Acq: 17 Oct 2018 09:30

Tgt Ion: 173 Resp: 36865
 Ion Ratio Lower Upper
 173 100
 175 49.5 38.2 57.2
 254 10.6 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 9.892 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

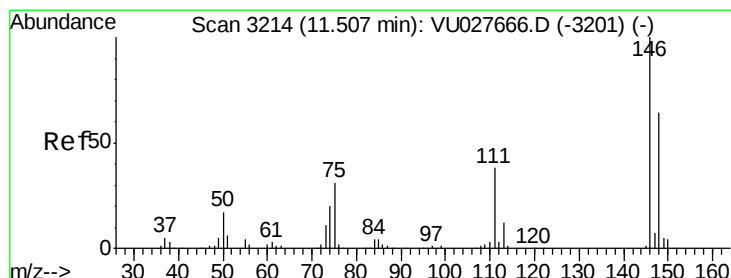
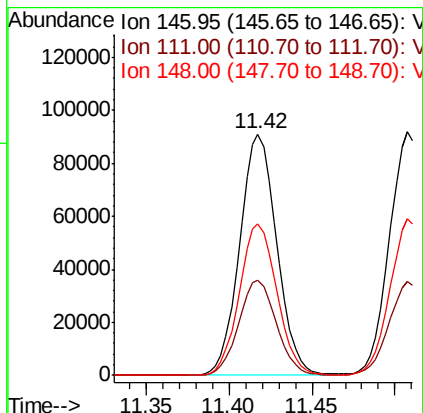
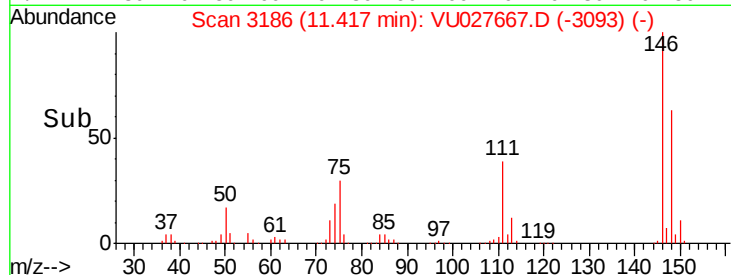
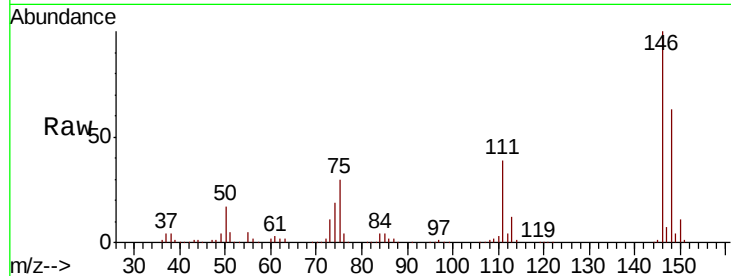
Tgt Ion:146 Resp: 141660

Ion Ratio Lower Upper

146 100

111 39.3 28.6 53.0

148 62.8 43.6 81.0



#63

1,4-Dichlorobenzene

Concen: 9.876 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

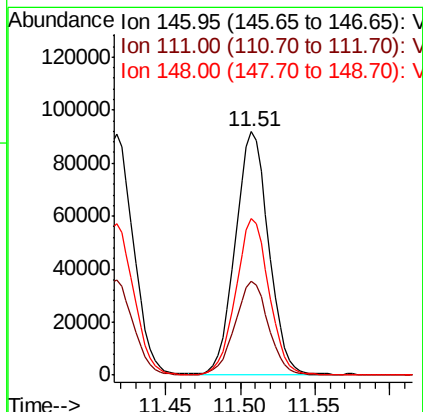
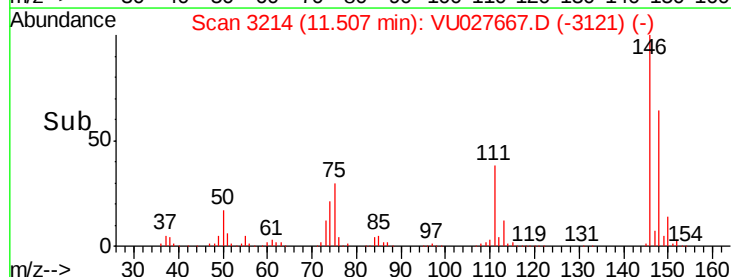
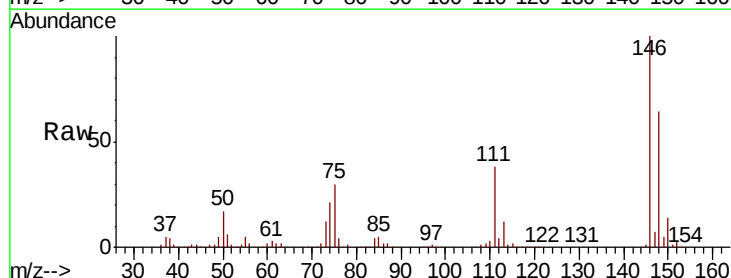
Tgt Ion:146 Resp: 141838

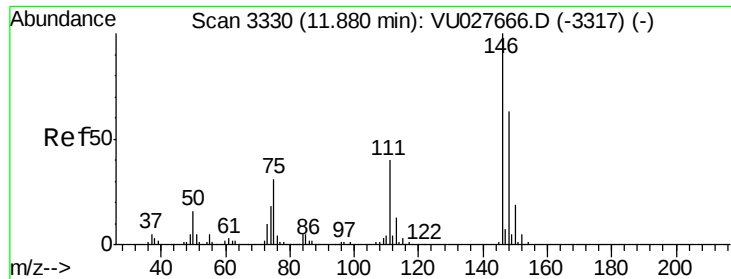
Ion Ratio Lower Upper

146 100

111 38.4 26.5 49.1

148 64.3 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 9.732 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

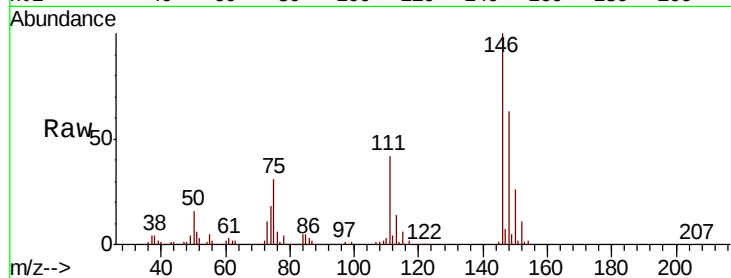
Tgt Ion:146 Resp: 133875

Ion Ratio Lower Upper

146 100

111 41.6 31.7 47.5

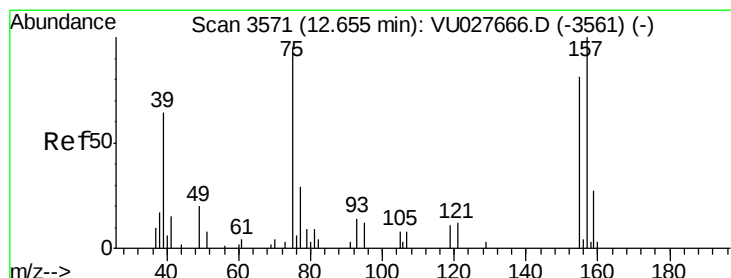
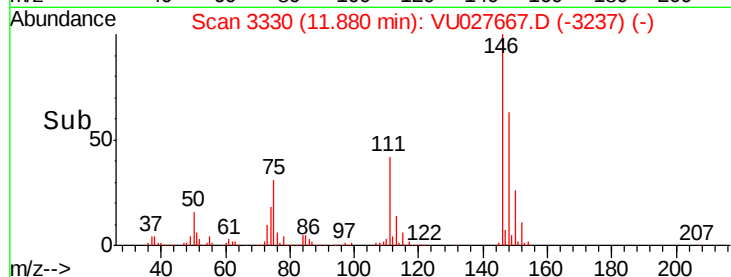
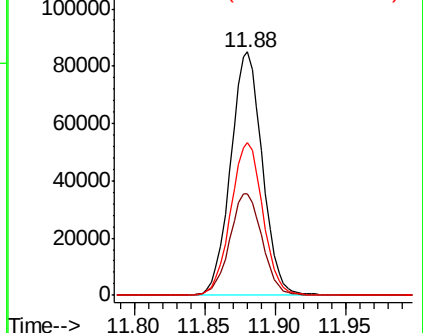
148 62.9 50.6 75.8



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: 9.702 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

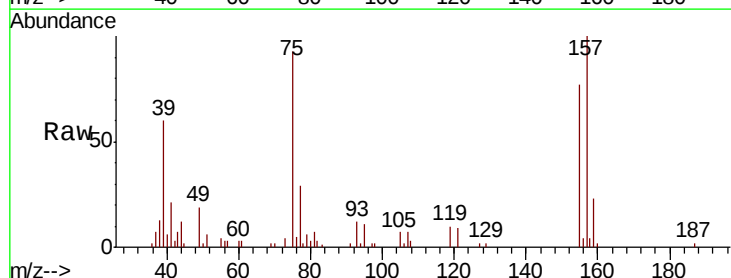
Tgt Ion: 75 Resp: 10988

Ion Ratio Lower Upper

75 100

155 82.9 68.3 102.5

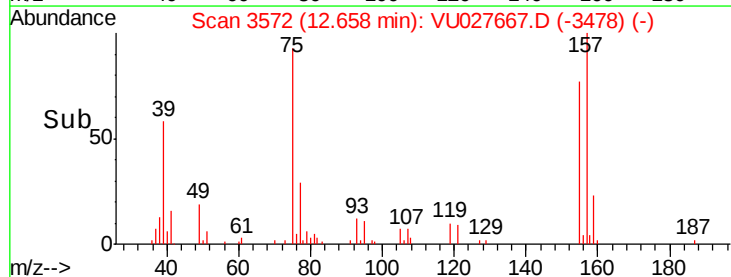
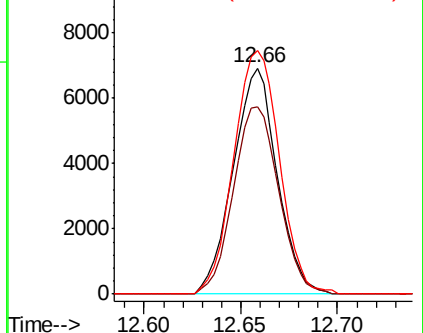
157 107.6 84.6 127.0

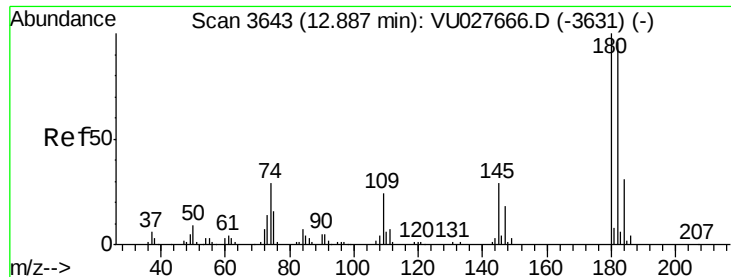


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

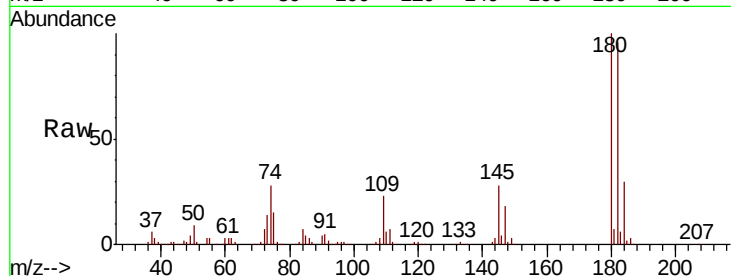




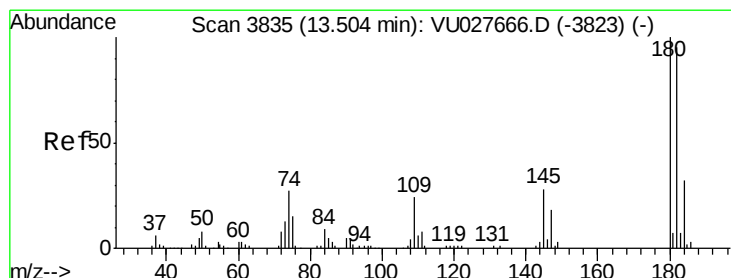
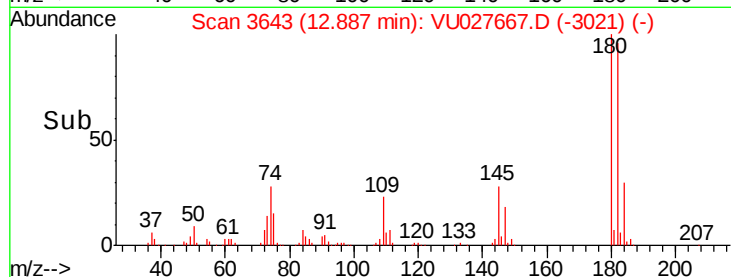
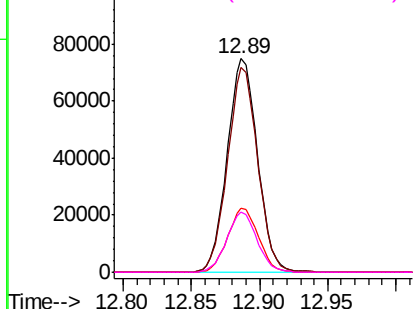
#67
 1,3,5-Trichlorobenzene
 Concen: 9.956 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027667.D
 Acq: 17 Oct 2018 09:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01044

Tgt Ion:180 Resp: 115735
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.0 115.4
 184 30.4 24.2 36.2
 145 28.1 22.6 33.8

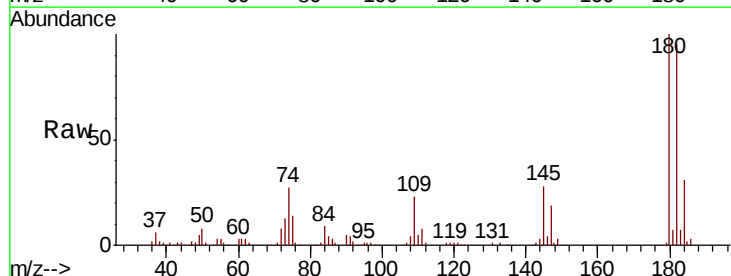


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

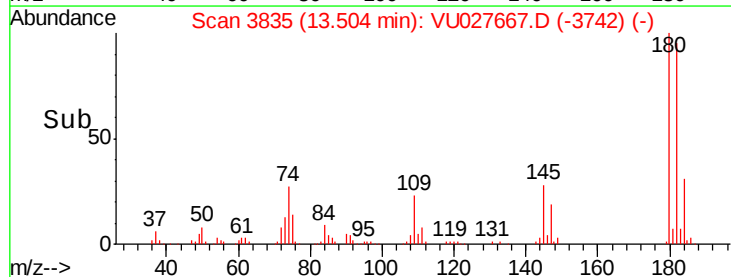
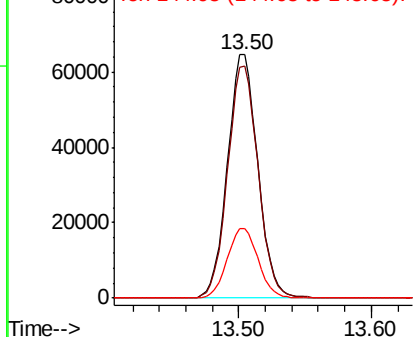


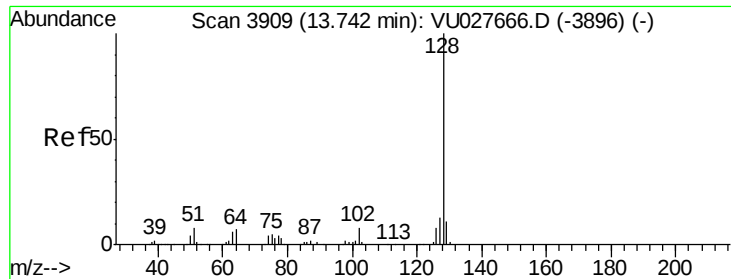
#68
 1,2,4-trichlorobenzene
 Concen: 10.242 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027667.D
 Acq: 17 Oct 2018 09:30

Tgt Ion:180 Resp: 102625
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.6 114.8
 145 29.1 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: 10.254 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD01044

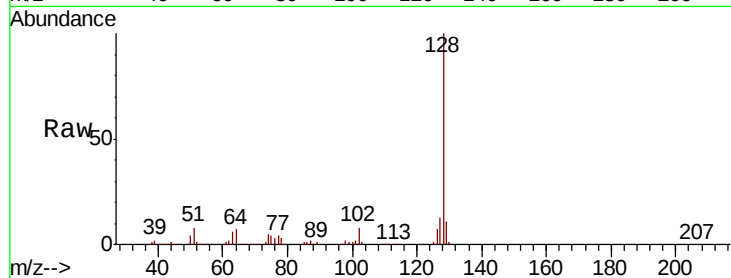
Tgt Ion:128 Resp: 171775

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

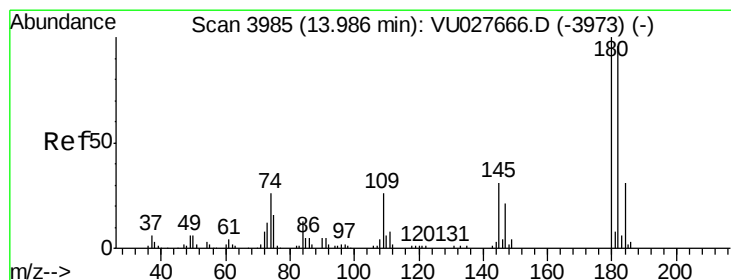
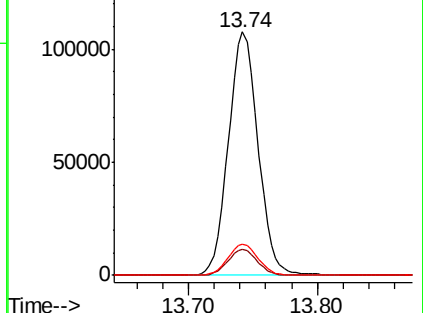
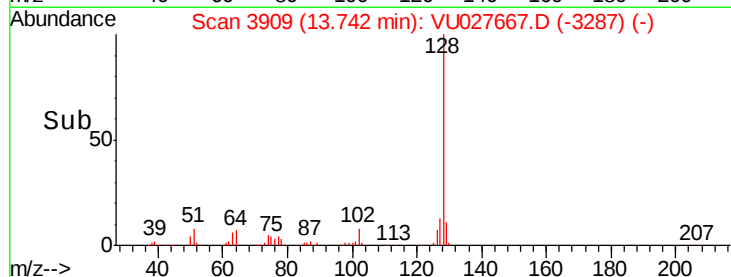
127 13.0 10.5 15.7



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: 9.994 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027667.D

Acq: 17 Oct 2018 09:30

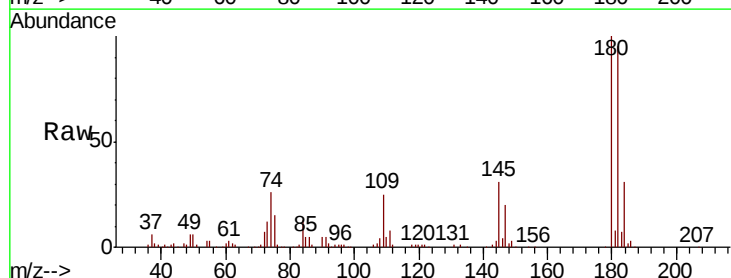
Tgt Ion:180 Resp: 93536

Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.6

145 30.4 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

