

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
 Data File : VU027668.D
 Acq On : 17 Oct 2018 09:56
 Operator : MD/SY
 Sample : VSTD02045
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

Quant Time: Oct 19 05:52:08 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	89839	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	84314	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	45573	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	135331	18.98	ug/L	0.00
7) Chloroethane-d5	1.68	69	106311	19.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	248994	19.63	ug/L	0.00
20) 2-Butanone-d5	4.22	46	398583	196.35	ug/L	0.00
24) Chloroform-d	4.65	84	225381	20.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	117264	18.79	ug/L	0.00
32) Benzene-d6	5.34	84	468476	20.37	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	161217	20.12	ug/L	0.00
41) Toluene-d8	7.57	98	449492	20.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	69136	19.57	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	350087	202.10	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118712	19.00	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	166145	19.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	137383	18.735 ug/L	98
3) Chloromethane	1.33	50	169217	19.379 ug/L	98
5) Vinyl chloride	1.40	62	170845	19.488 ug/L	99
6) Bromomethane	1.63	94	91322	19.422 ug/L	100
8) Chloroethane	1.70	64	97527	19.299 ug/L	98
9) Trichlorofluoromethane	1.89	101	198189	19.584 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	118216	19.358 ug/L	98
12) 1,1-Dichloroethene	2.29	96	115534	19.002 ug/L	91
13) Acetone	2.36	43	235084	181.089 ug/L	97
14) Carbon disulfide	2.48	76	409312	19.438 ug/L	99
15) Methyl Acetate	2.63	43	64131	18.501 ug/L	97
16) Methylene chloride	2.70	84	125413	18.911 ug/L	98
17) Methyl tert-butyl Ether	3.01	73	322214	19.170 ug/L	100
18) trans-1,2-Dichloroethene	2.98	96	125305	19.387 ug/L	99
19) 1,1-Dichloroethane	3.45	63	244939	19.041 ug/L	98
21) 2-Butanone	4.31	43	426501	189.082 ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	140591	19.653 ug/L	# 97
23) Bromochloromethane	4.55	128	58579	18.184 ug/L	99
25) Chloroform	4.68	83	231509	18.649 ug/L	96
27) 1,2-Dichloroethane	5.41	62	148323	18.874 ug/L	96
29) 1,1,1-Trichloroethane	4.92	97	203178	19.657 ug/L	99
30) Cyclohexane	4.99	56	255484	19.668 ug/L	98
31) Carbon tetrachloride	5.13	117	181163	19.350 ug/L	100
33) Benzene	5.39	78	534108	19.357 ug/L	100
34) Trichloroethene	6.18	95	140908	19.729 ug/L	99
35) Methylcyclohexane	6.41	83	251289	20.417 ug/L	98
37) 1,2-Dichloropropane	6.44	63	152028	19.189 ug/L	100
38) Bromodichloromethane	6.76	83	177138	19.240 ug/L	95
39) cis-1,3-Dichloropropene	7.27	75	231109	20.058 ug/L	100
40) 4-Methyl-2-pentanone	7.48	43	1037665	194.026 ug/L	99

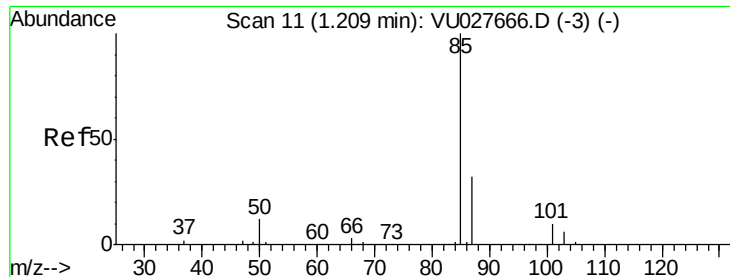
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	579832	19.560	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	189724	19.952	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	95102	18.666	ug/L	99
47) Tetrachloroethene	8.23	164	112048	19.651	ug/L	97
48) 2-Hexanone	8.38	43	747781	195.156	ug/L	99
49) Dibromochloromethane	8.48	129	125232	19.780	ug/L	100
50) 1,2-Dibromoethane	8.59	107	93135	19.506	ug/L	100
51) Chlorobenzene	9.12	112	360136	19.798	ug/L	98
52) Ethylbenzene	9.25	91	651970	19.842	ug/L	99
53) m,p-xylene	9.38	106	245593	20.087	ug/L	96
54) o-xylene	9.78	106	239821	19.980	ug/L	95
55) Styrene	9.79	104	408567	20.243	ug/L	97
56) Isopropylbenzene	10.17	105	638707	20.011	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	122156	18.329	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	89668	19.693	ug/L	98
61) Bromoform	9.96	173	76511	18.737	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	293683	19.409	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	290383	19.136	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	274076	18.856	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	23049	19.261	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	239918	19.533	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	214703	20.279	ug/L	99
69) Naphthalene	13.74	128	358199	20.237	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	194728	19.692	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 18.735 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

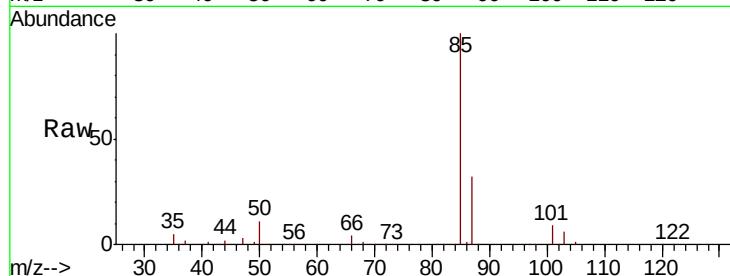
VSTD02045

Tgt Ion: 85 Resp: 137383

Ion Ratio Lower Upper

85 100

87 32.6 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.21

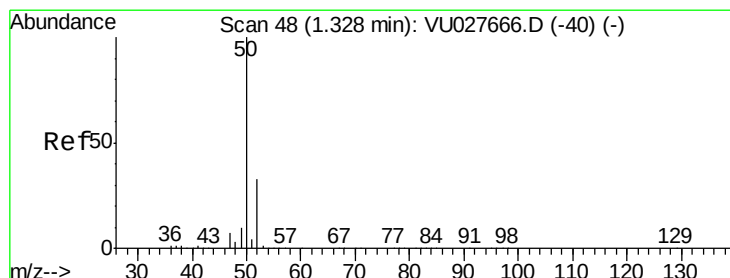
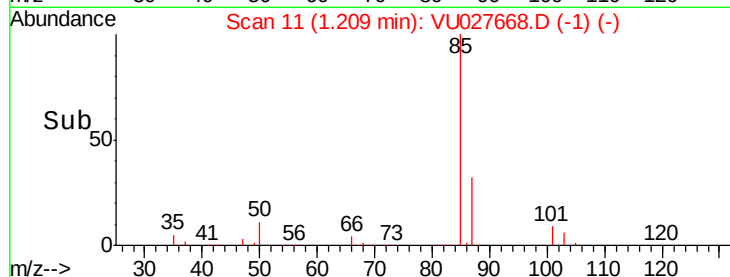
150000

100000

50000

0

Time--> 1.15 1.20 1.25 1.30



#3

Chloromethane

Concen: 19.379 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU027668.D

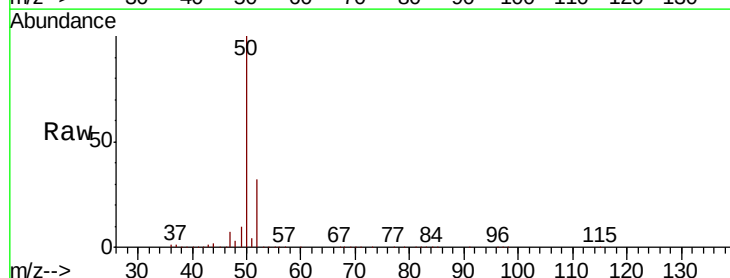
Acq: 17 Oct 2018 09:56

Tgt Ion: 50 Resp: 169217

Ion Ratio Lower Upper

50 100

52 32.4 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.33

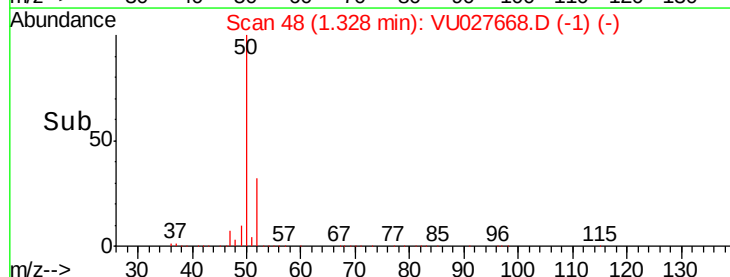
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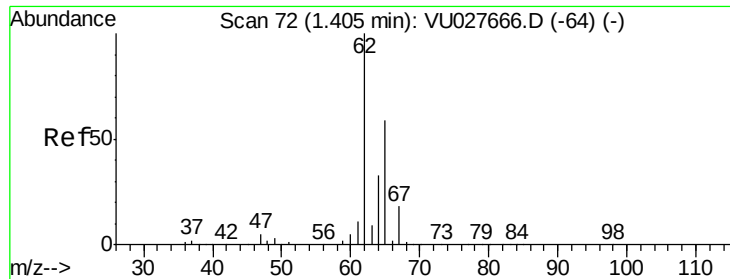
100000

50000

0

Time--> 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 19.488 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

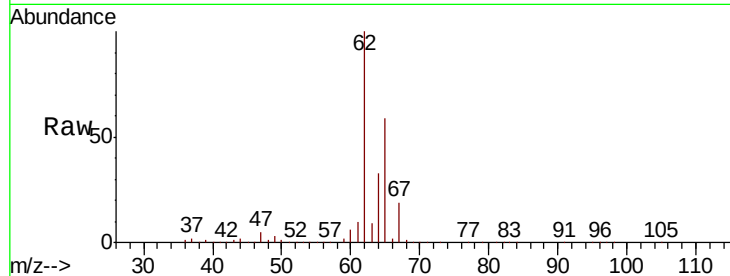
VSTD02045

Tgt Ion: 62 Resp: 170845

Ion Ratio Lower Upper

62 100

64 33.0 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

150000

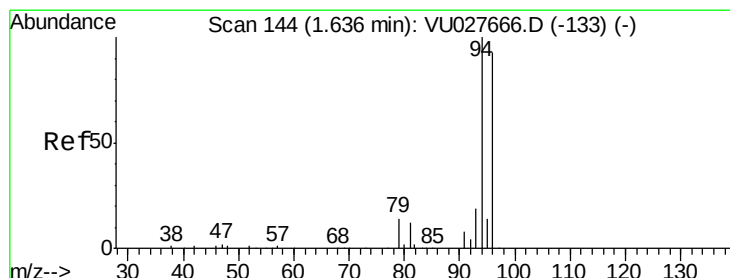
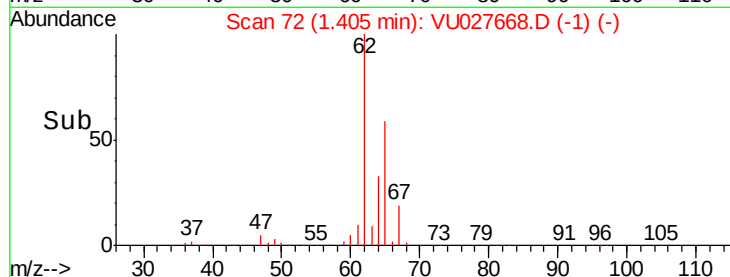
100000

50000

0

Time-->

1.35 1.40 1.45 1.50



#6

Bromomethane

Concen: 19.422 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU027668.D

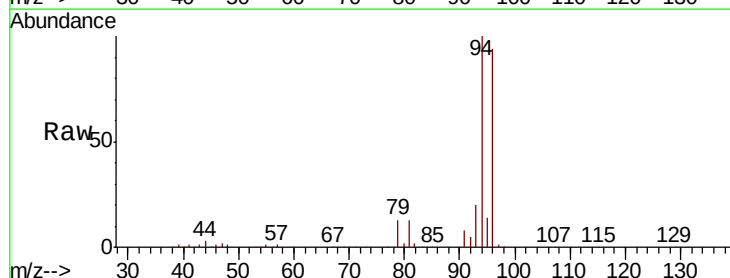
Acq: 17 Oct 2018 09:56

Tgt Ion: 94 Resp: 91322

Ion Ratio Lower Upper

94 100

96 93.7 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

80000

60000

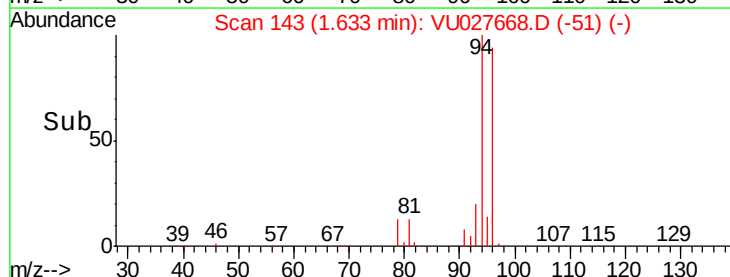
40000

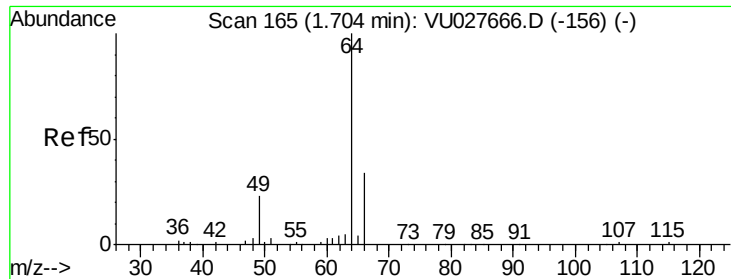
20000

0

Time-->

1.60 1.65 1.70





#8

Chloroethane

Concen: 19.299 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

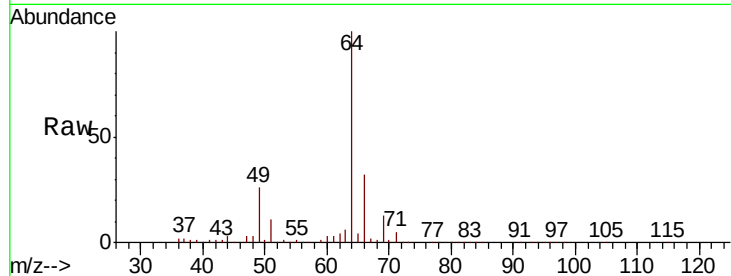
VSTD02045

Tgt Ion: 64 Resp: 97527

Ion Ratio Lower Upper

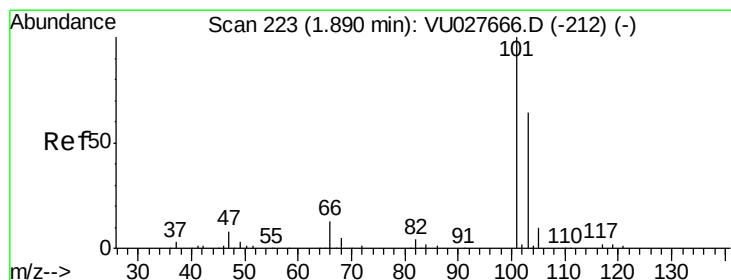
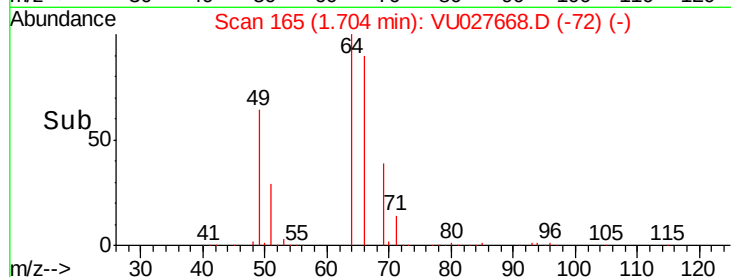
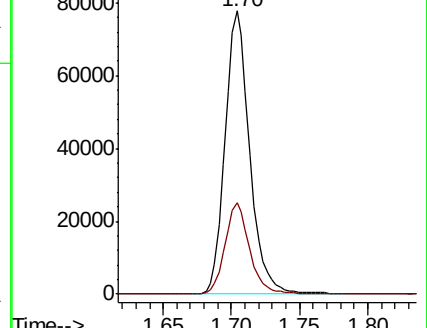
64 100

66 32.2 23.5 43.7



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

Ion 66.05 (65.75 to 66.75): VU027666.D (-156) (-)



#9

Trichlorofluoromethane

Concen: 19.584 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027668.D

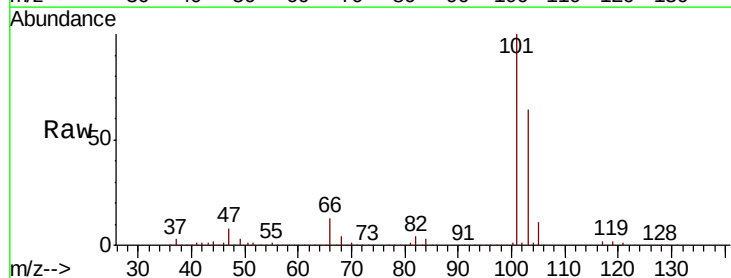
Acq: 17 Oct 2018 09:56

Tgt Ion: 101 Resp: 198189

Ion Ratio Lower Upper

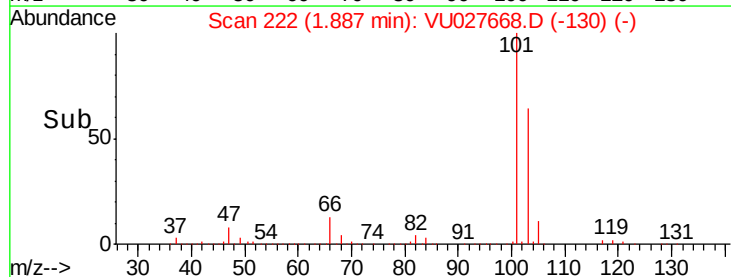
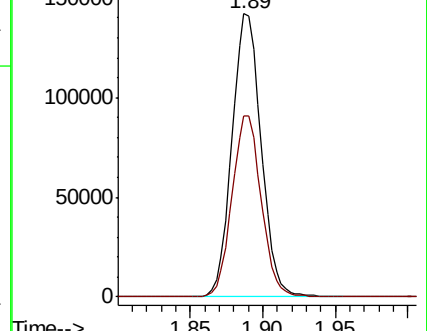
101 100

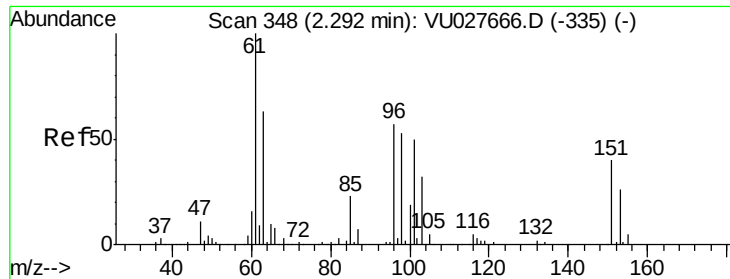
103 64.4 52.2 78.4



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

Ion 103.00 (102.70 to 103.70): VU027666.D (-212) (-)





#10

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

Concen: 19.358 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD02045

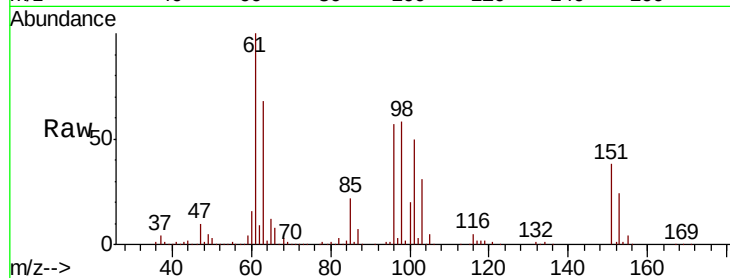
Tgt Ion: 101 Resp: 118216

Ion Ratio Lower Upper

101 100

85 43.6 35.6 53.4

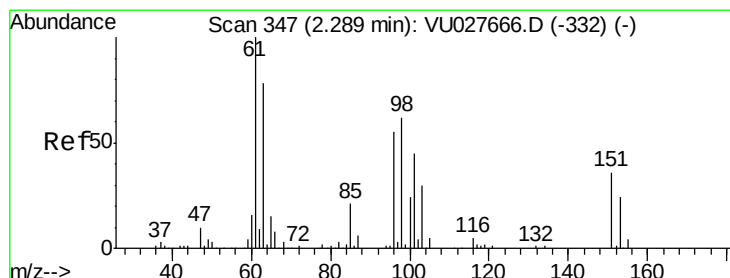
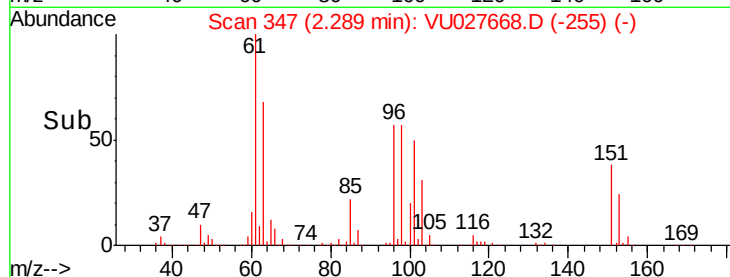
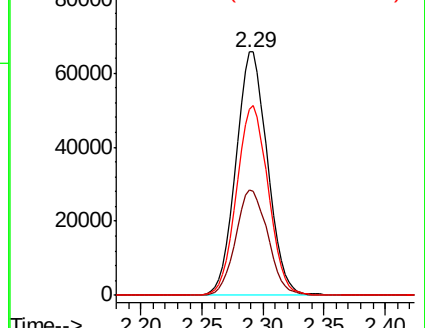
151 77.9 63.8 95.6



Abundance Ion 101.00 (100.70 to 101.70): VU027668.D (-335) (-)

Ion 85.00 (84.70 to 85.70): VU027668.D (-335) (-)

Ion 151.00 (150.70 to 151.70): VU027668.D (-335) (-)



#12

1,1-Dichloroethene

Concen: 19.002 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

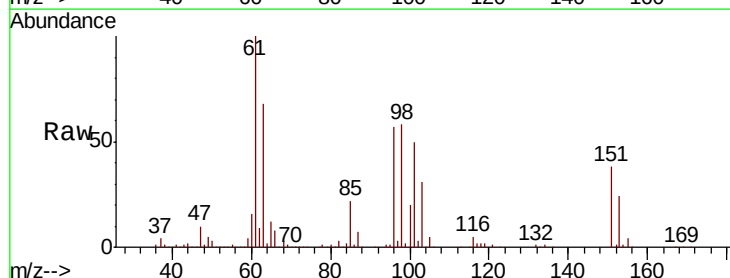
Tgt Ion: 96 Resp: 115534

Ion Ratio Lower Upper

96 100

61 175.8 125.6 233.2

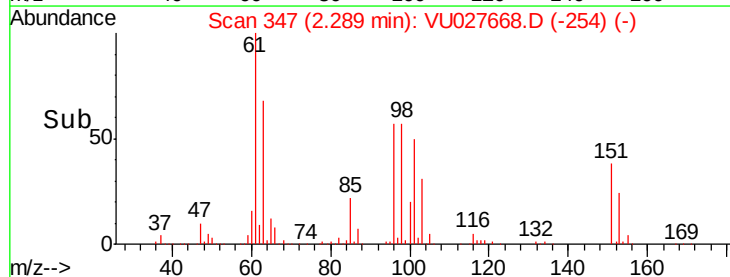
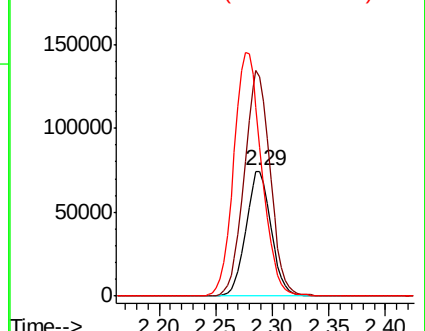
63 118.8 97.6 181.2

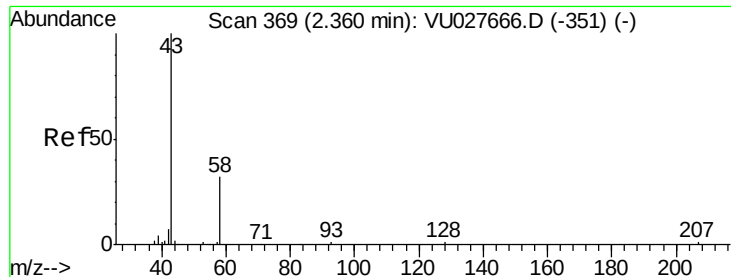


Abundance Ion 96.00 (95.70 to 96.70): VU027668.D (-254) (-)

Ion 61.05 (60.75 to 61.75): VU027668.D (-254) (-)

Ion 63.00 (62.70 to 63.70): VU027668.D (-254) (-)





#13

Acetone

Concen: 181.089 ug/L

RT: 2.36 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

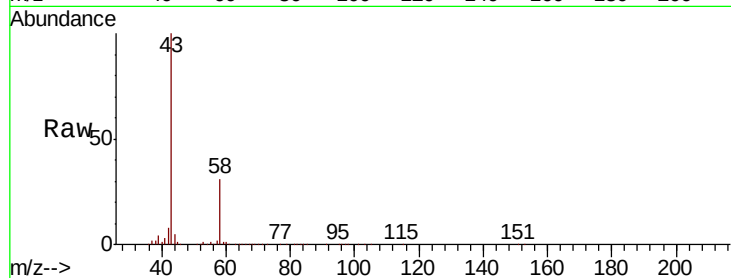
VSTD02045

Tgt Ion: 43 Resp: 235084

Ion Ratio Lower Upper

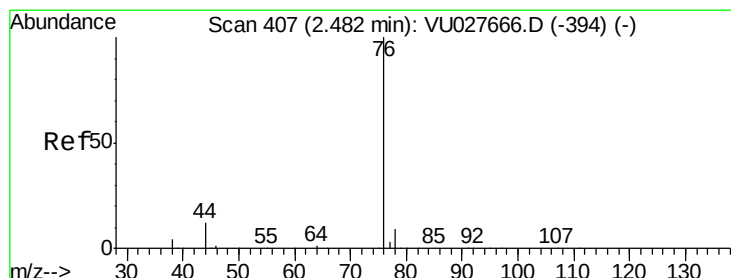
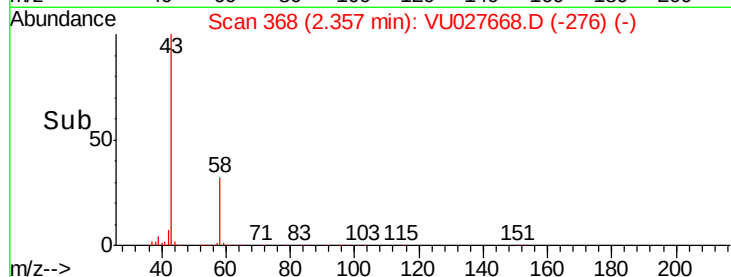
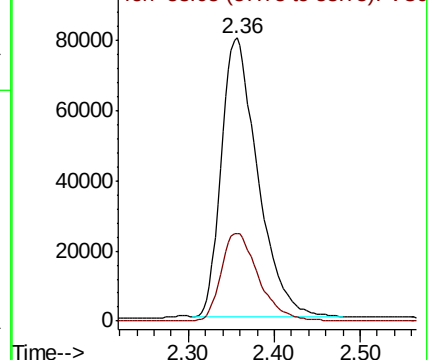
43 100

58 31.7 0.0 66.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 19.438 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027668.D

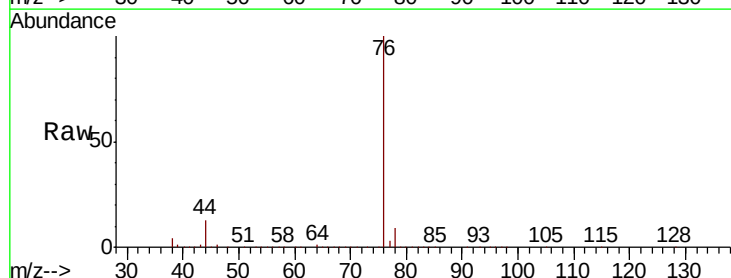
Acq: 17 Oct 2018 09:56

Tgt Ion: 76 Resp: 409312

Ion Ratio Lower Upper

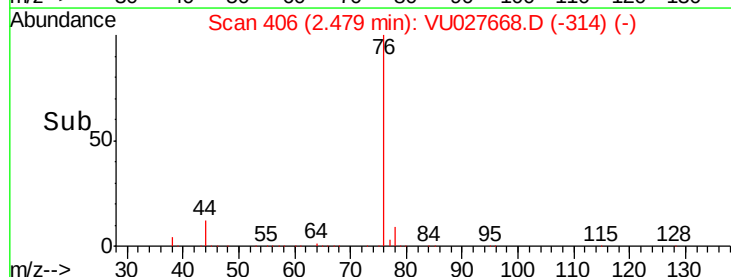
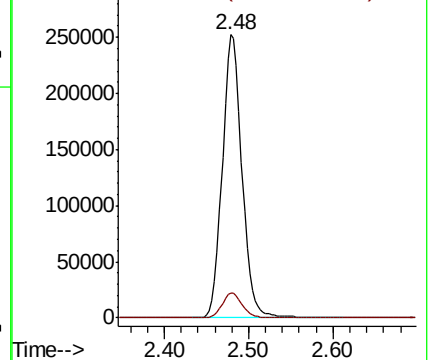
76 100

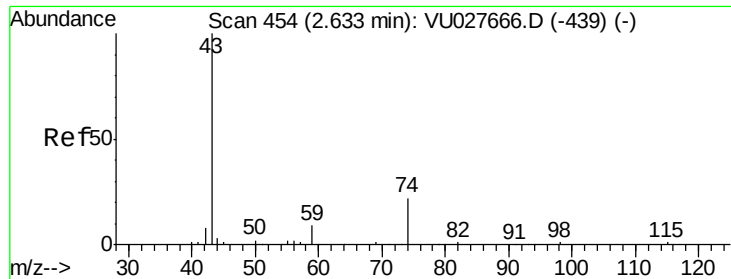
78 9.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

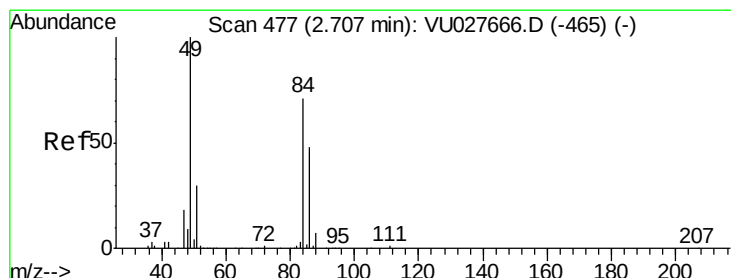
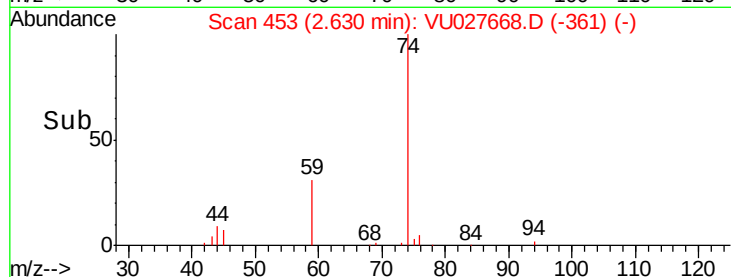
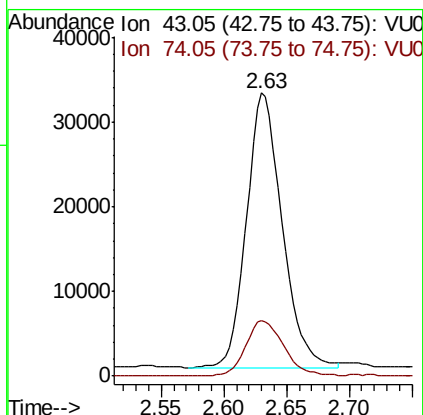
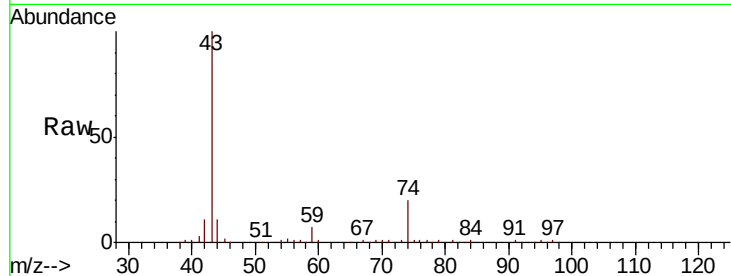




#15
Methyl Acetate
Concen: 18.501 ug/L
RT: 2.63 min Scan# 453
Delta R.T. -0.00 min
Lab File: VU027668.D
Acq: 17 Oct 2018 09:56

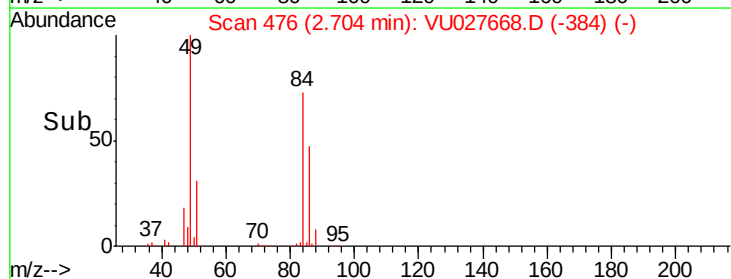
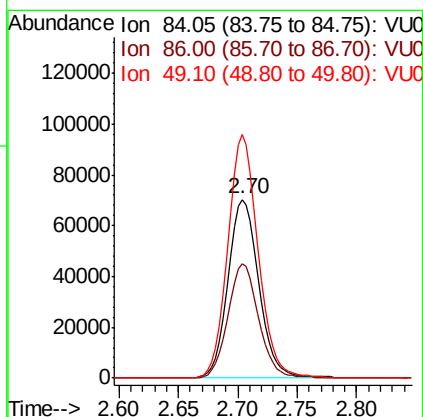
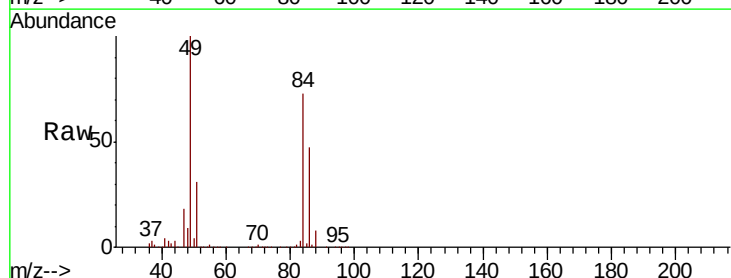
Instrument :
MSVOA_U
ClientSampleId :
VSTD02045

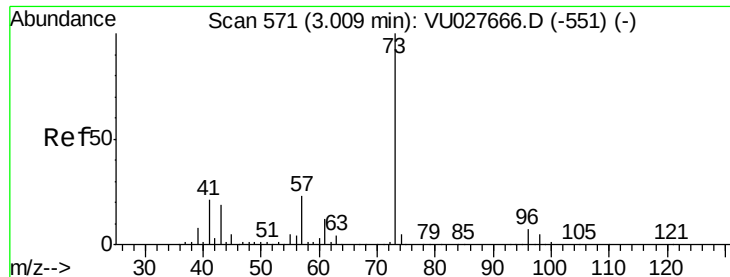
Tgt Ion: 43 Resp: 64131
Ion Ratio Lower Upper
43 100
74 21.7 18.7 28.1



#16
Methylene chloride
Concen: 18.911 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027668.D
Acq: 17 Oct 2018 09:56

Tgt Ion: 84 Resp: 125413
Ion Ratio Lower Upper
84 100
86 64.1 46.1 85.7
49 136.3 96.9 179.9



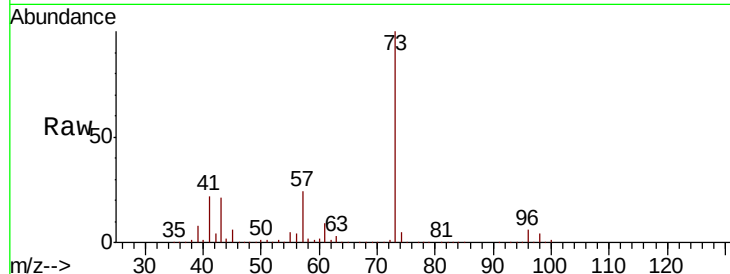


#17

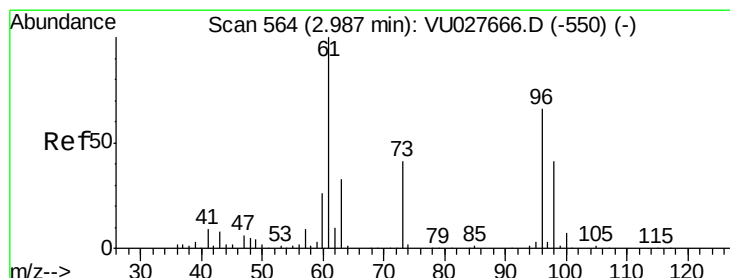
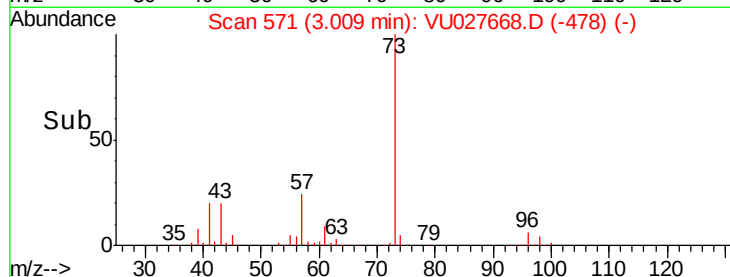
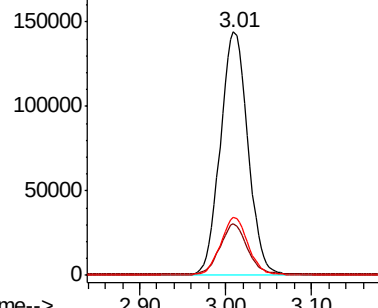
Methyl tert-butyl Ether
 Concen: 19.170 ug/L
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

Tgt Ion:	73	Resp:	322214
Ion	Ratio	Lower	Upper
73	100		
43	20.0	15.8	23.8
57	23.2	18.7	28.1



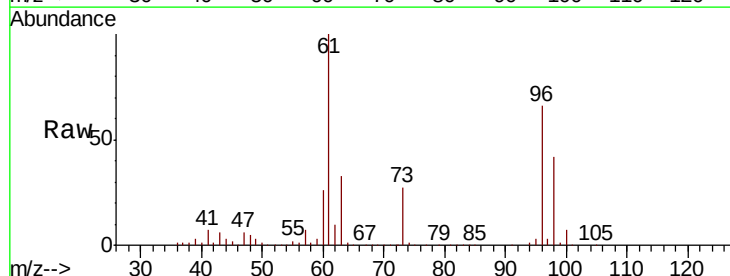
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



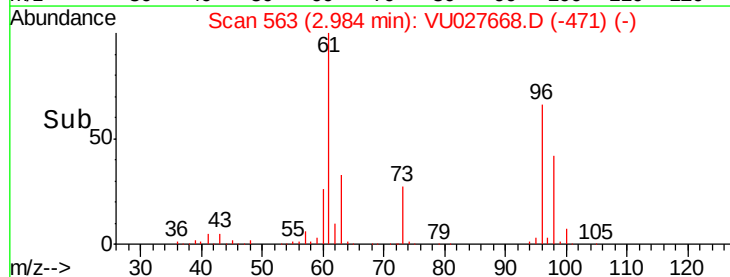
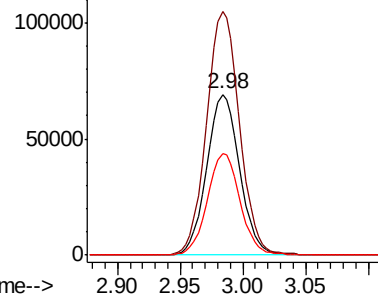
#18

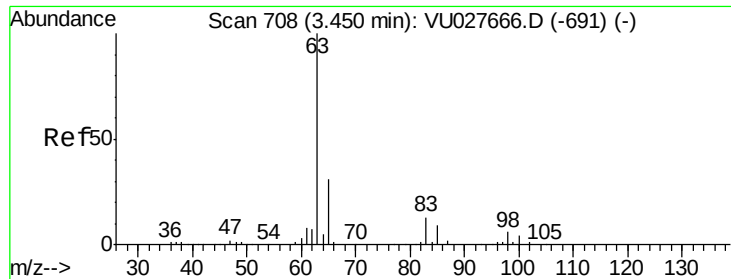
trans-1,2-Dichloroethene
 Concen: 19.387 ug/L
 RT: 2.98 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Tgt Ion:	96	Resp:	125305
Ion	Ratio	Lower	Upper
96	100		
61	151.8	105.8	196.4
98	63.5	43.6	81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

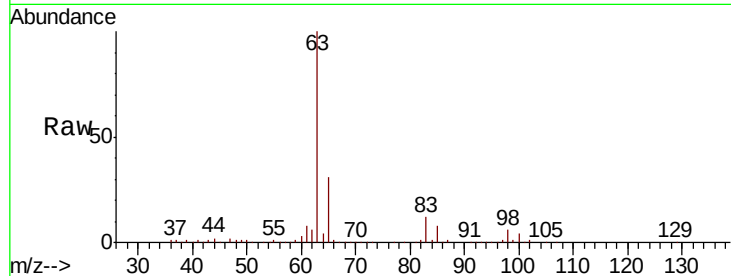




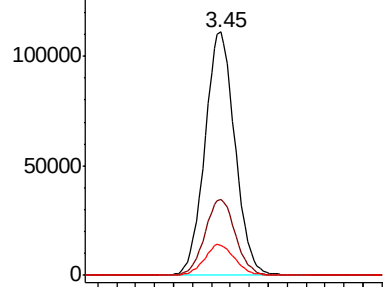
#19
 1,1-Dichloroethane
 Concen: 19.041 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

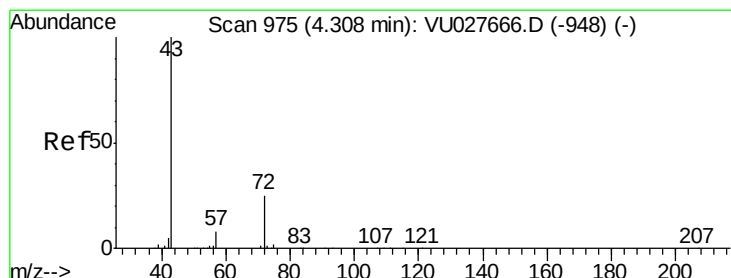
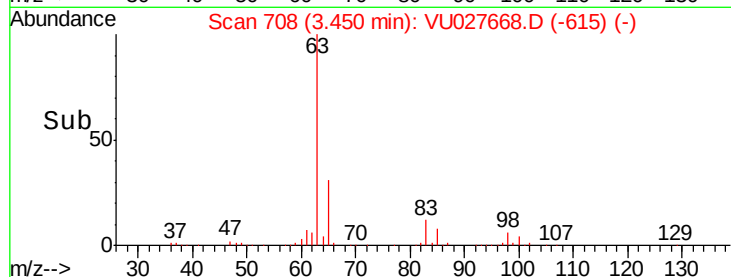
Tgt Ion: 63 Resp: 244939
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.3 41.3
 83 12.5 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VU0
 150000 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

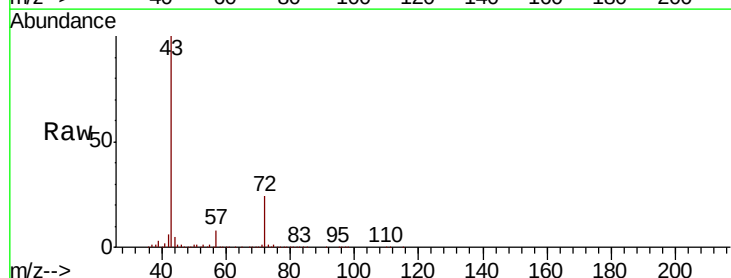


Time-->

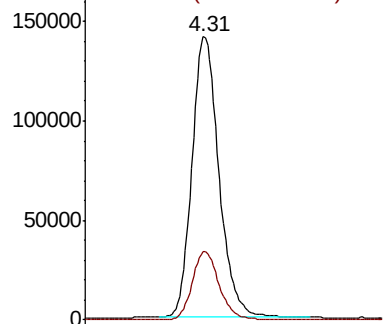


#21
 2-Butanone
 Concen: 189.082 ug/L
 RT: 4.31 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

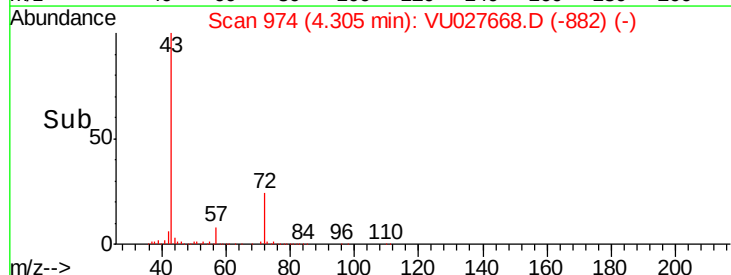
Tgt Ion: 43 Resp: 426501
 Ion Ratio Lower Upper
 43 100
 72 23.8 11.7 35.1

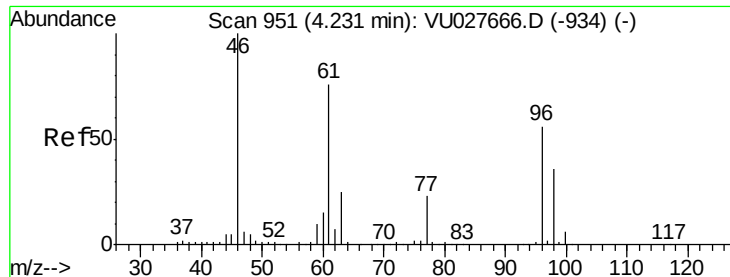


Abundance Ion 43.05 (42.75 to 43.75): VU0
 150000 Ion 72.10 (71.80 to 72.80): VU0



Time-->



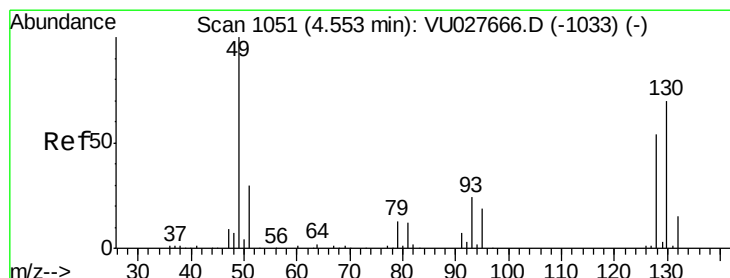
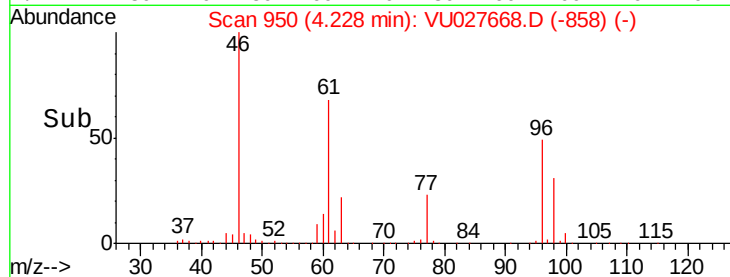
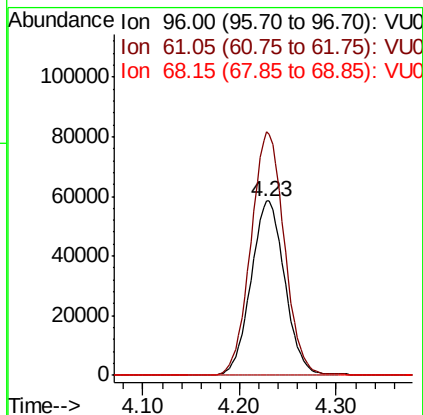
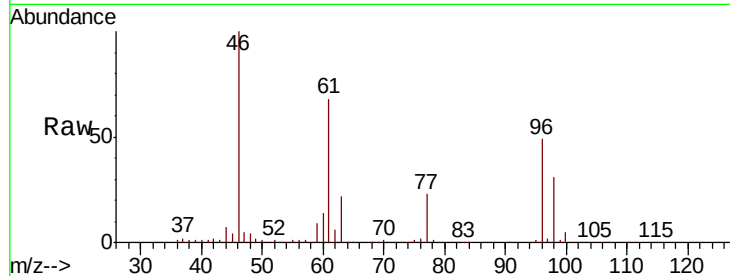


#22

cis-1,2-Dichloroethene
 Concen: 19.653 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

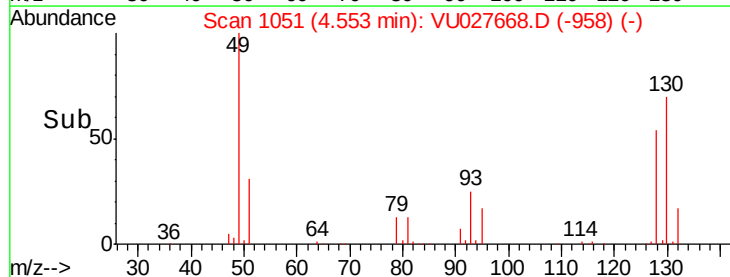
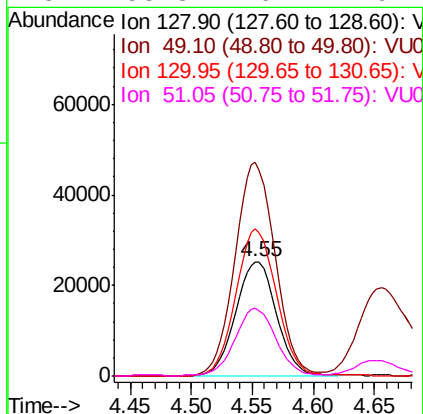
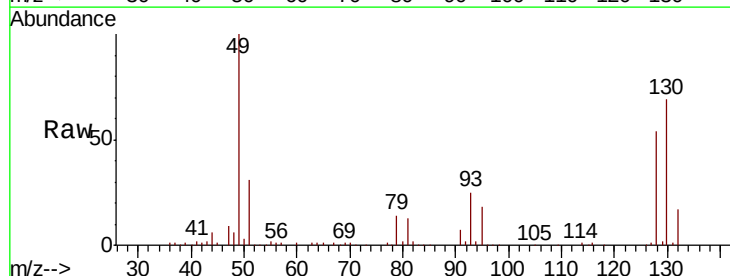
Tgt Ion: 96 Resp: 140591
 Ion Ratio Lower Upper
 96 100
 61 139.7 95.3 176.9
 68 0.3 1.1 2.1#

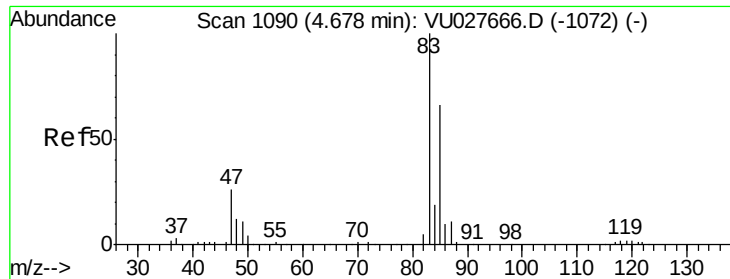


#23

Bromochloromethane
 Concen: 18.184 ug/L
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Tgt Ion: 128 Resp: 58579
 Ion Ratio Lower Upper
 128 100
 49 186.7 130.4 242.2
 130 128.5 91.9 170.7
 51 58.8 46.7 70.1

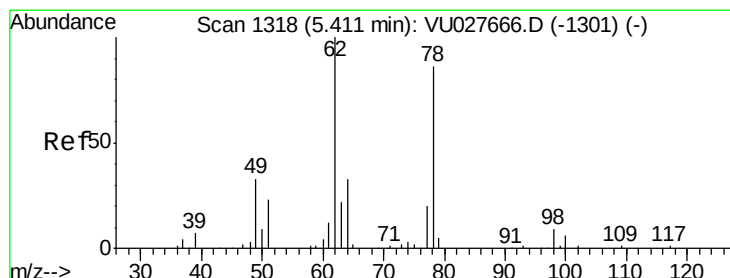
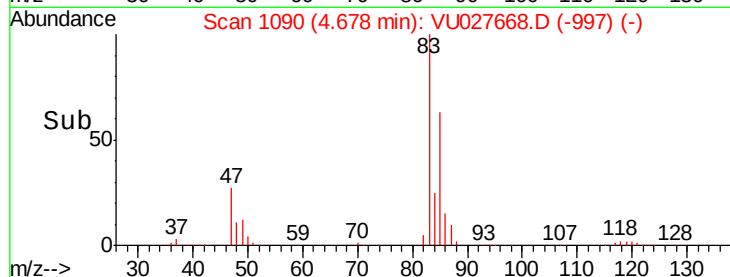
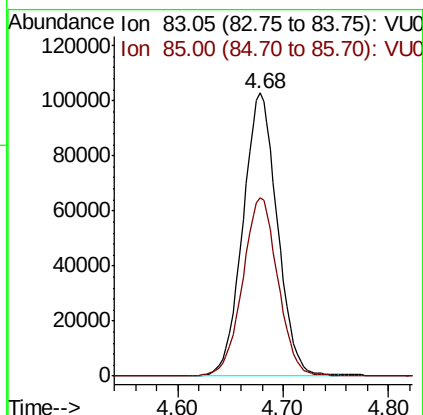
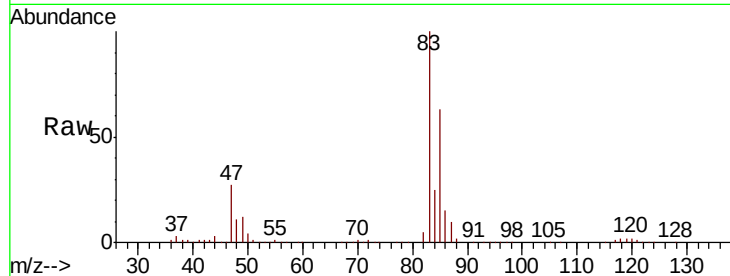




#25
Chloroform
Concen: 18.649 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027668.D
Acq: 17 Oct 2018 09:56

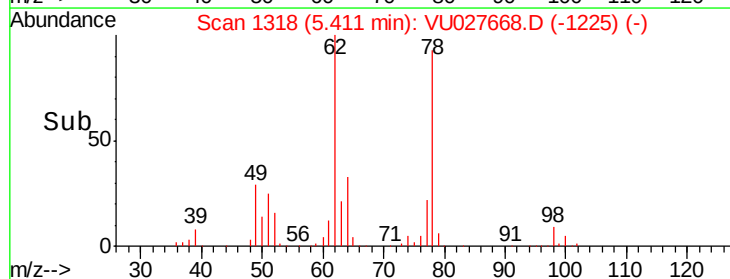
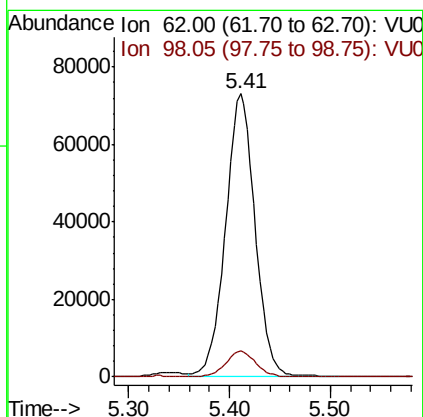
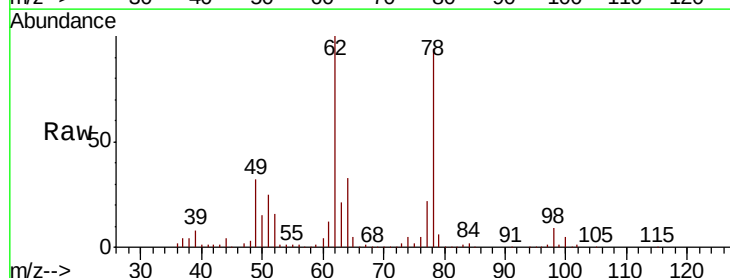
Instrument :
MSVOA_U
ClientSampleId :
VSTD02045

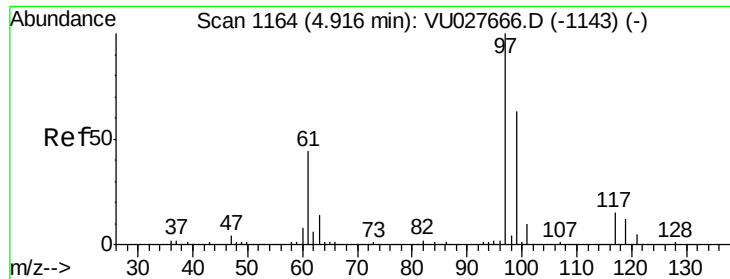
Tgt Ion: 83 Resp: 231509
Ion Ratio Lower Upper
83 100
85 63.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 18.874 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027668.D
Acq: 17 Oct 2018 09:56

Tgt Ion: 62 Resp: 148323
Ion Ratio Lower Upper
62 100
98 9.2 8.4 12.6

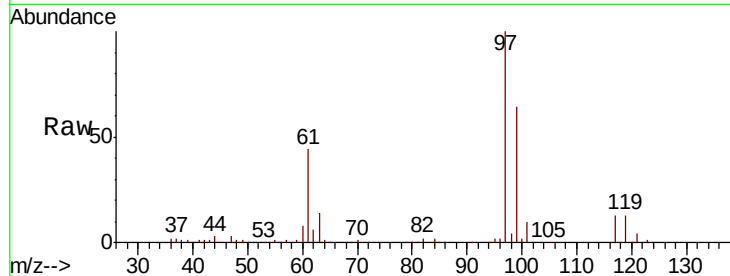




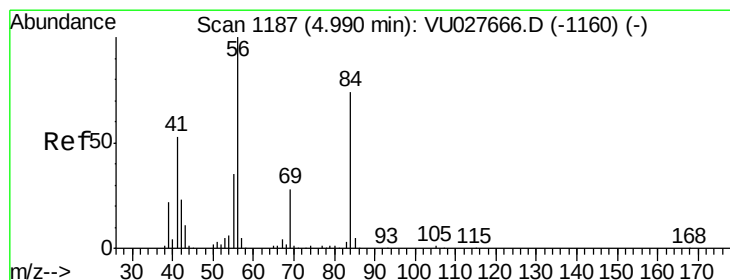
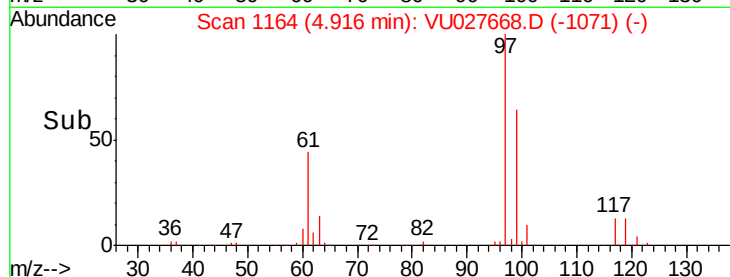
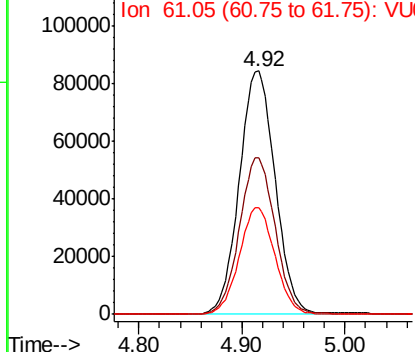
#29
 1,1,1-Trichloroethane
 Concen: 19.657 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

Tgt Ion: 97 Resp: 203178
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.4 77.2
 61 43.7 35.7 53.5

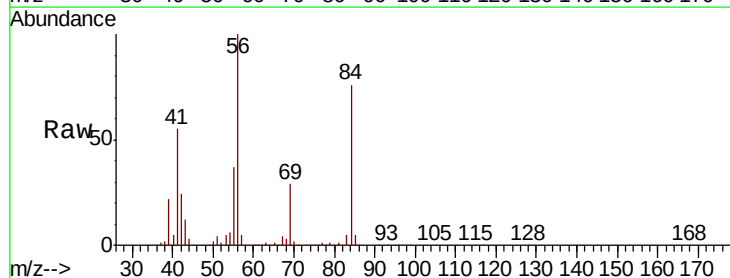


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

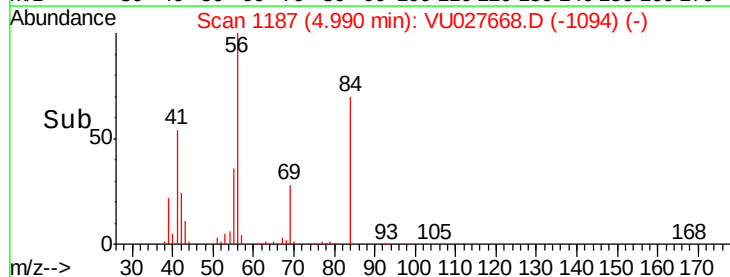
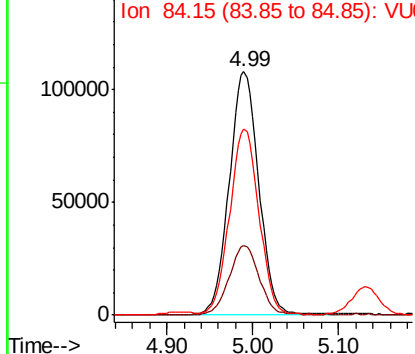


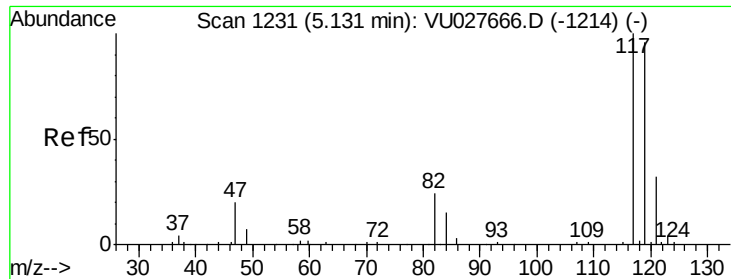
#30
 Cyclohexane
 Concen: 19.668 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Tgt Ion: 56 Resp: 255484
 Ion Ratio Lower Upper
 56 100
 69 28.5 23.4 35.2
 84 76.1 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

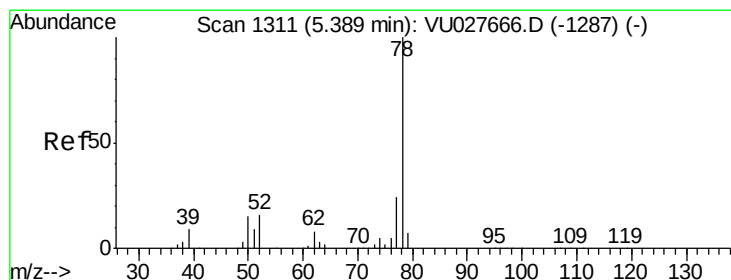
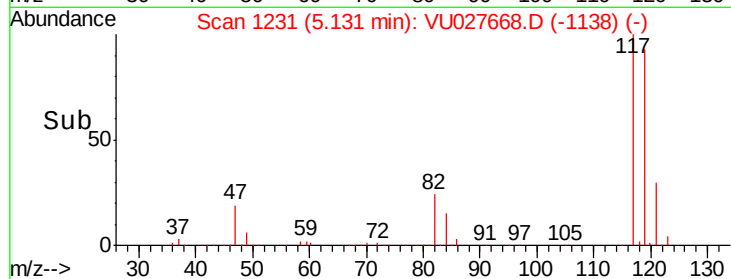
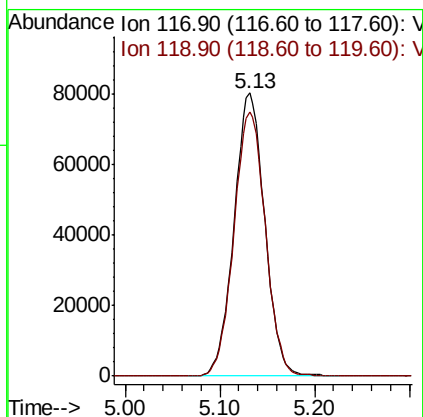
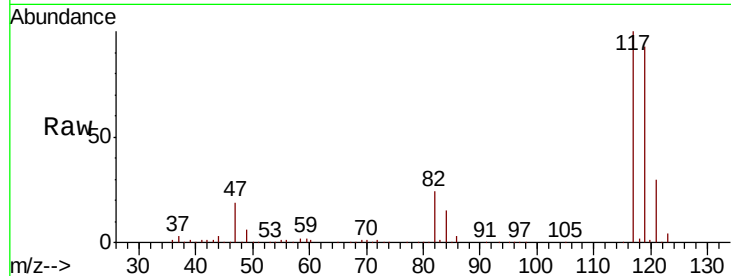




#31
Carbon tetrachloride
Concen: 19.350 ug/L
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU027668.D
Acq: 17 Oct 2018 09:56

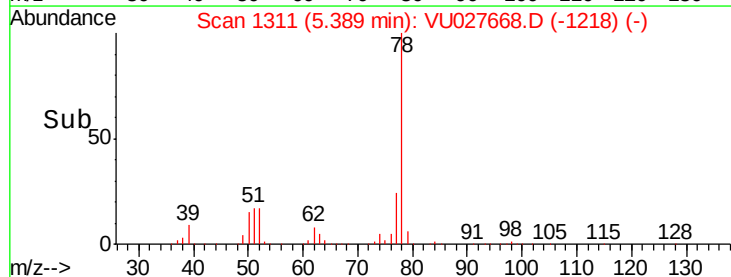
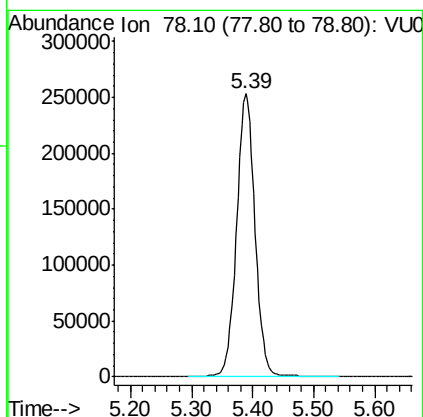
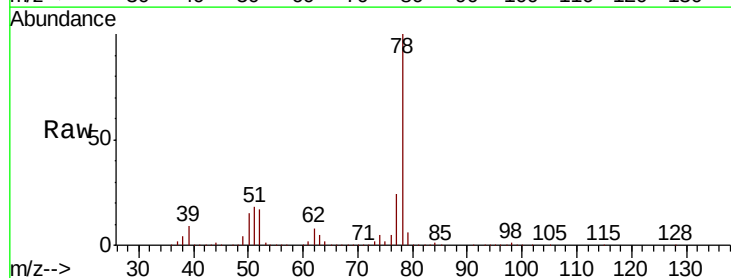
Instrument :
MSVOA_U
ClientSampleId :
VSTD02045

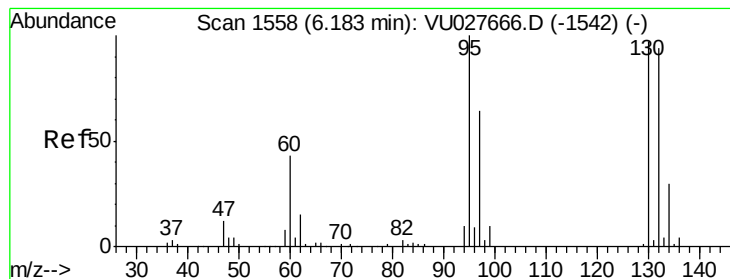
Tgt Ion:117 Resp: 181163
Ion Ratio Lower Upper
117 100
119 96.1 77.1 115.7



#33
Benzene
Concen: 19.357 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU027668.D
Acq: 17 Oct 2018 09:56

Tgt Ion: 78 Resp: 534108





#34

Trichloroethene

Concen: 19.729 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD02045

Tgt Ion: 95 Resp: 140908

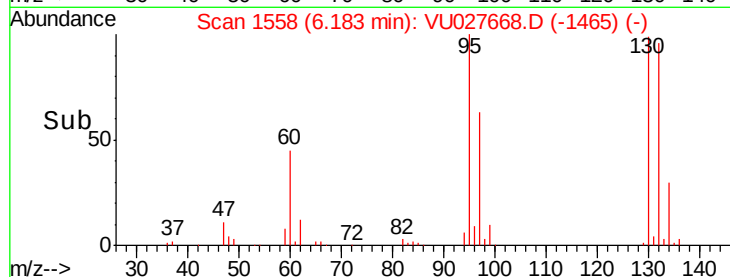
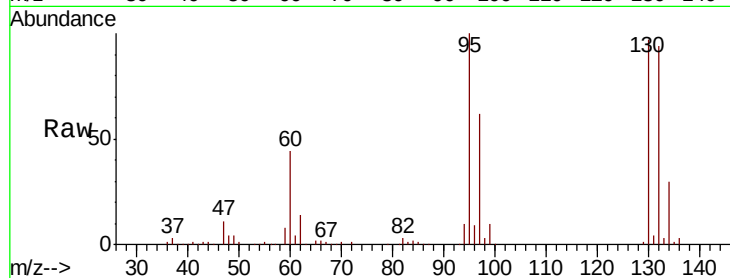
Ion Ratio Lower Upper

95 100

97 62.1 44.7 83.1

132 93.9 65.9 122.5

130 97.4 67.9 126.1

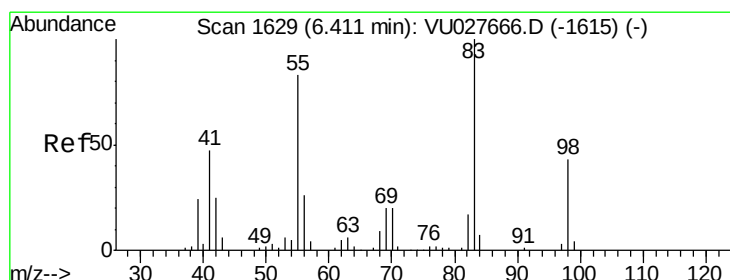
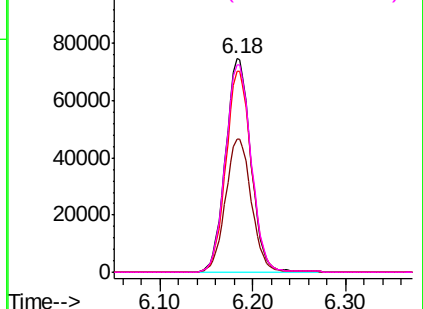


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 20.417 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

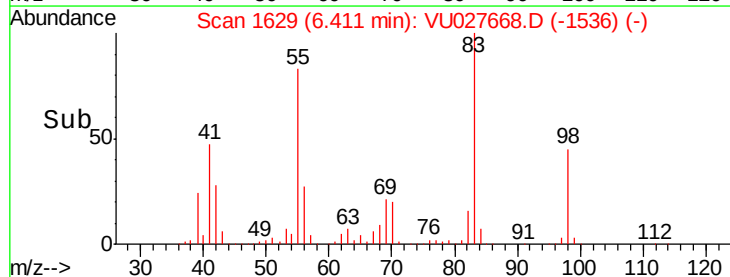
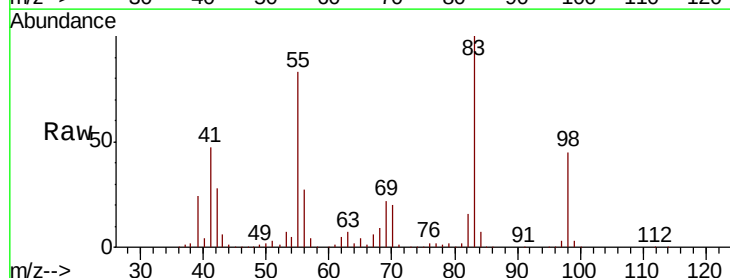
Tgt Ion: 83 Resp: 251289

Ion Ratio Lower Upper

83 100

55 83.1 69.0 103.4

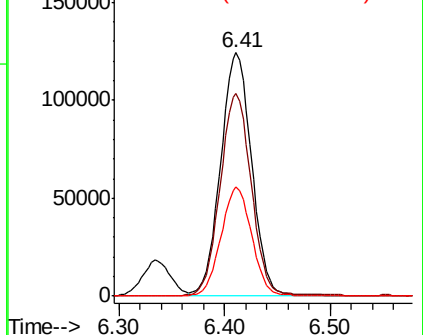
98 44.3 35.4 53.2

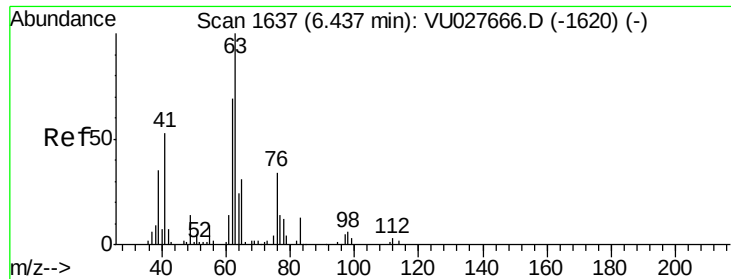


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

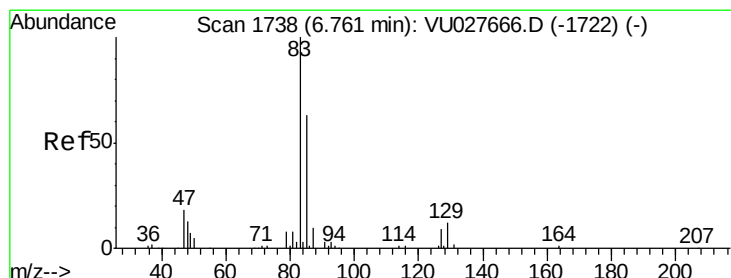
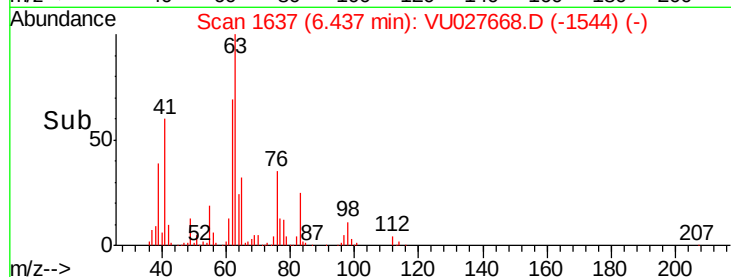
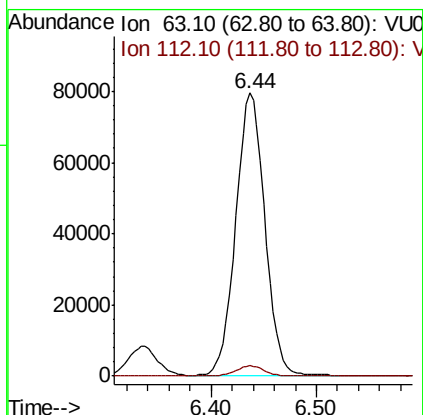
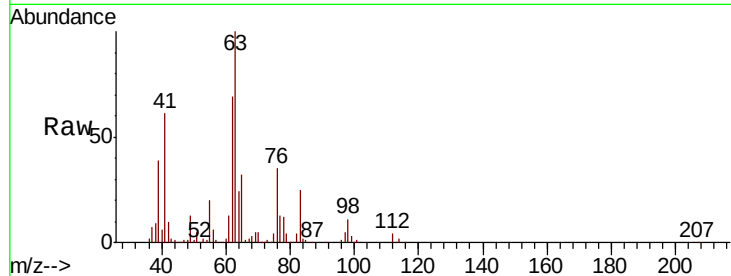




#37
 1,2-Dichloropropane
 Concen: 19.189 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

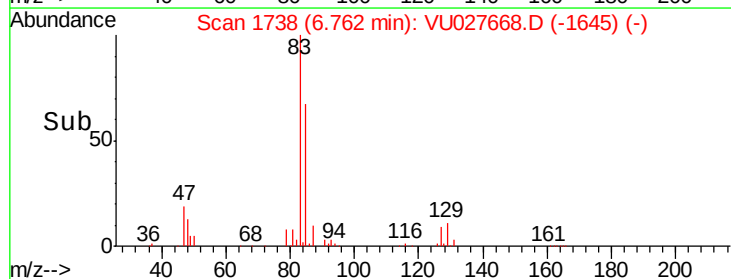
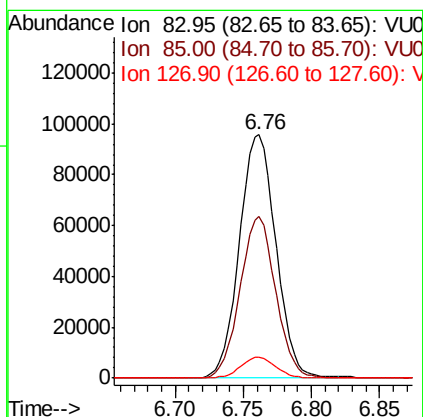
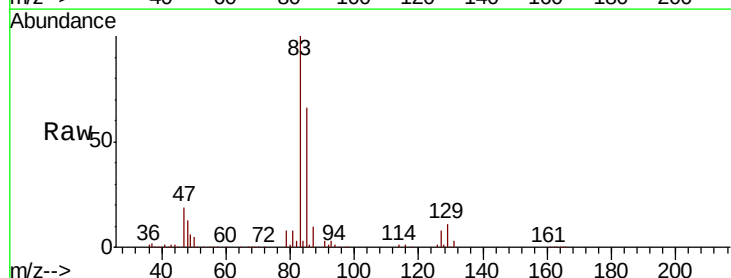
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

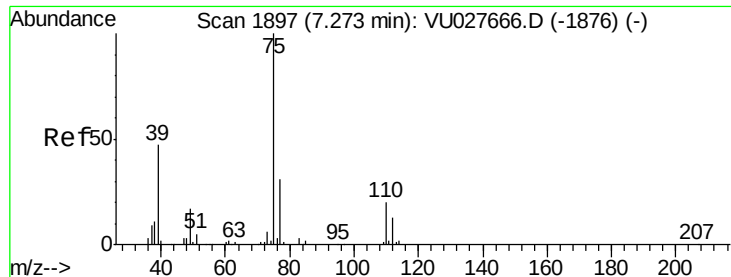
Tgt Ion: 63 Resp: 152028
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.8 4.2



#38
 Bromodichloromethane
 Concen: 19.240 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Tgt Ion: 83 Resp: 177138
 Ion Ratio Lower Upper
 83 100
 85 66.3 43.7 81.1
 127 8.4 7.0 10.4

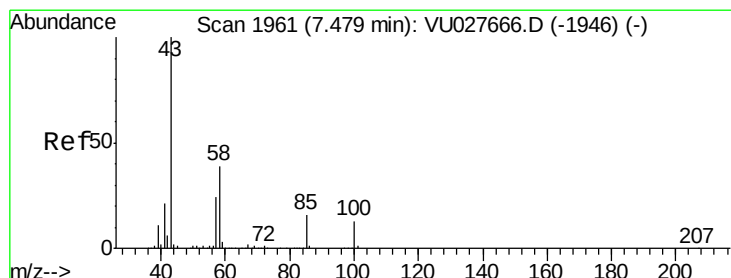
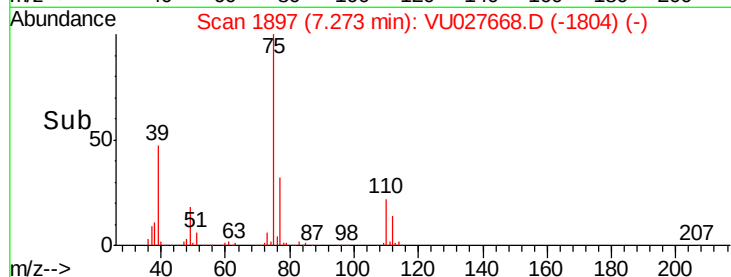
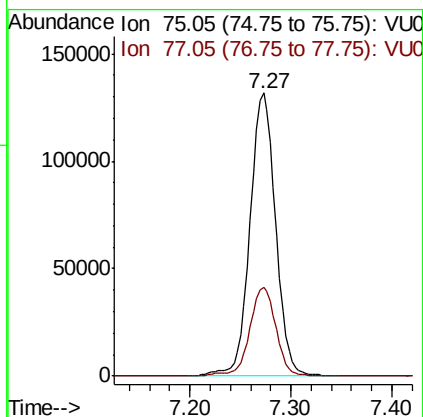
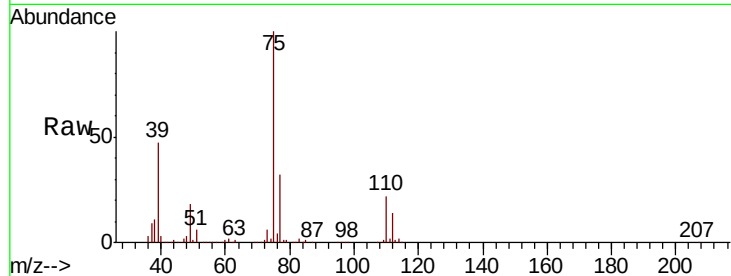




#39
 cis-1,3-Dichloropropene
 Concen: 20.058 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

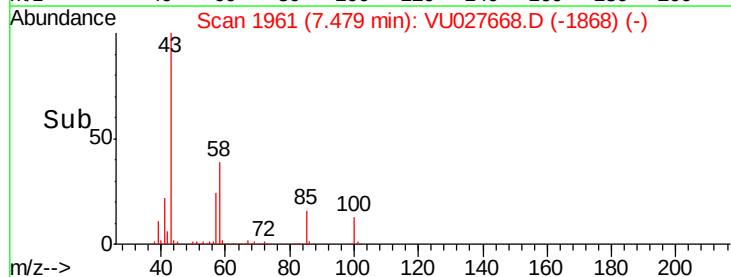
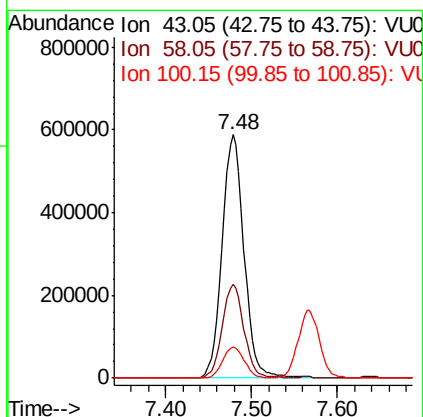
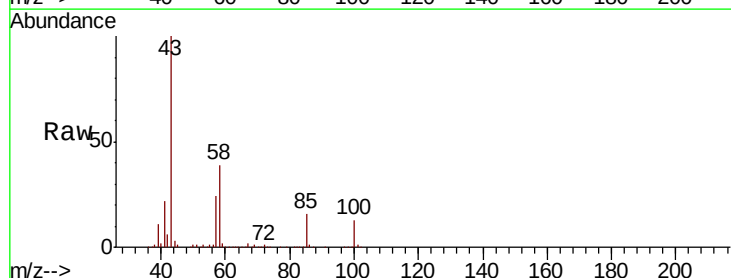
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

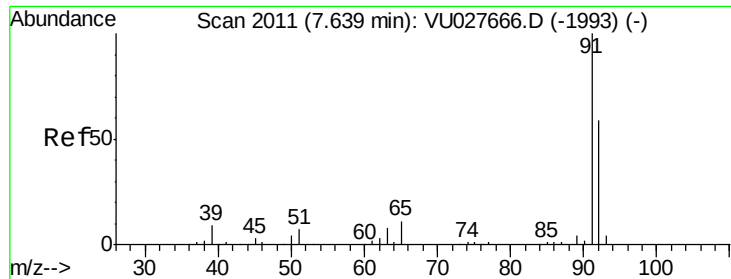
Tgt Ion: 75 Resp: 231109
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 194.026 ug/L
 RT: 7.48 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Tgt Ion: 43 Resp: 1037665
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.4 45.6
 100 12.7 10.2 15.4





#42

Toluene

Concen: 19.560 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

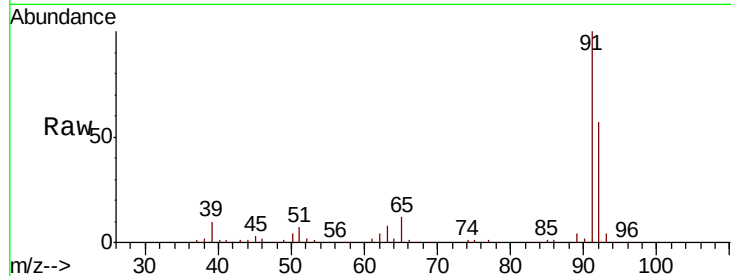
VSTD02045

Tgt Ion: 91 Resp: 579832

Ion Ratio Lower Upper

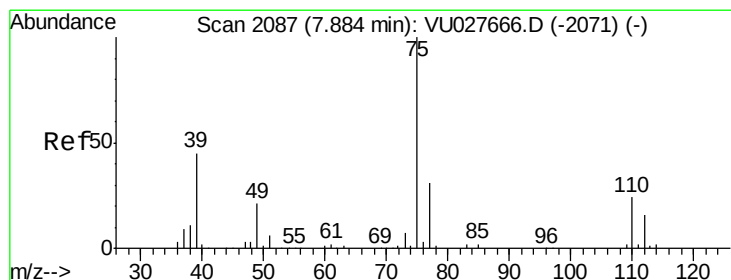
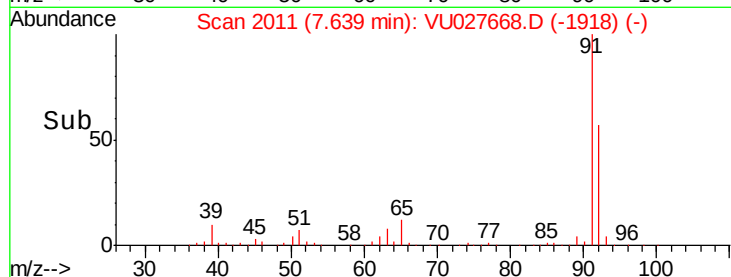
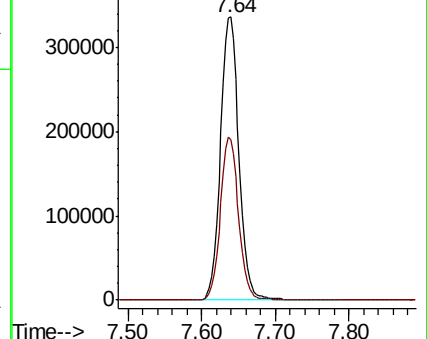
91 100

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



#44

trans-1,3-Dichloropropene

Concen: 19.952 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027668.D

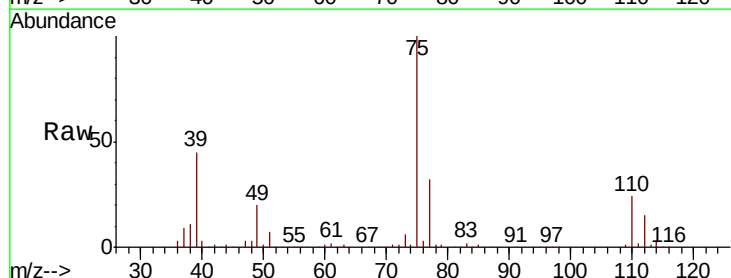
Acq: 17 Oct 2018 09:56

Tgt Ion: 75 Resp: 189724

Ion Ratio Lower Upper

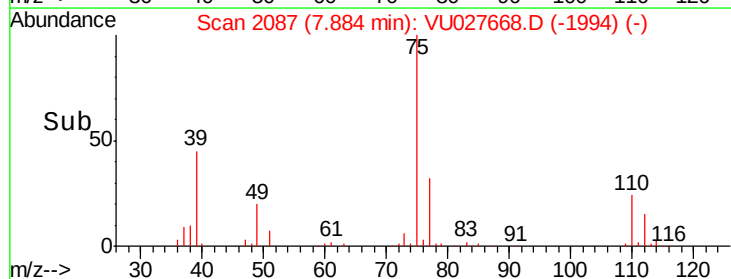
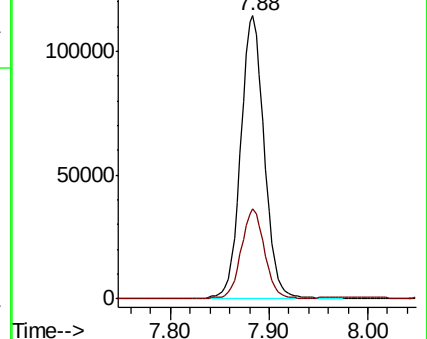
75 100

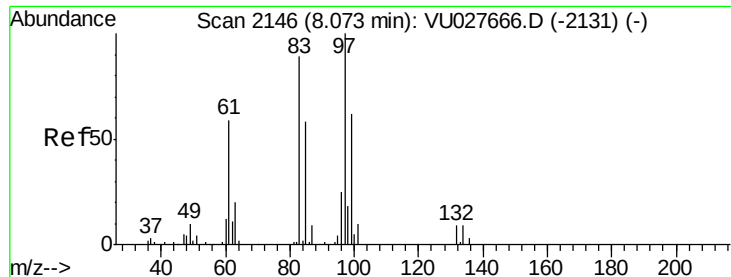
77 31.9 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

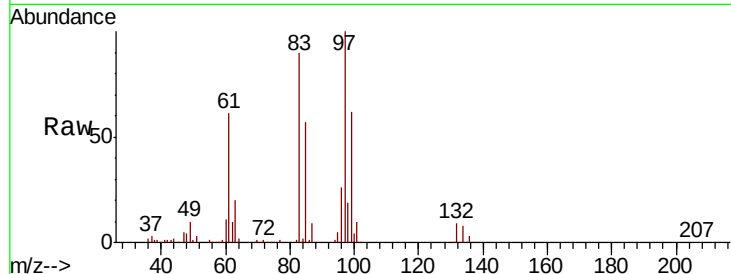




#45
 1,1,2-Trichloroethane
 Concen: 18.666 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

Tgt Ion:	97	Resp:	95102
Ion	Ratio	Lower	Upper
97	100		
99	61.8	43.5	80.7
83	90.4	62.0	115.2
85	57.4	40.5	75.1



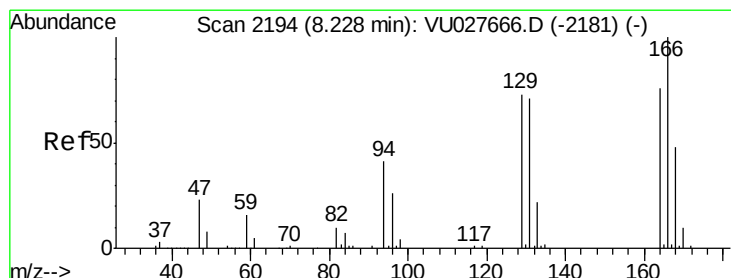
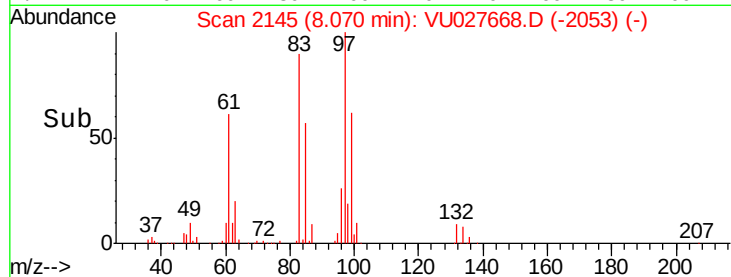
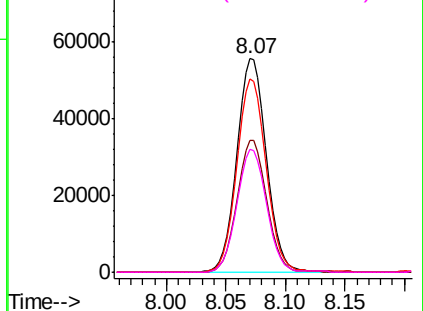
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

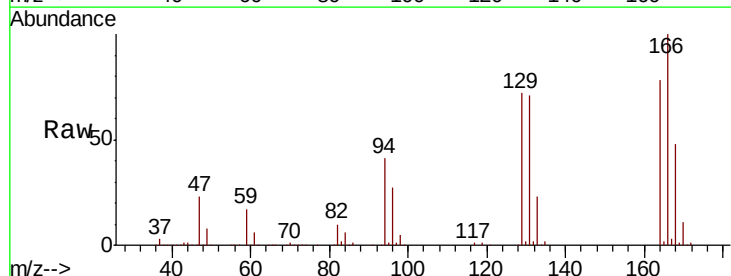
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 19.651 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Tgt Ion:	164	Resp:	112048
Ion	Ratio	Lower	Upper
164	100		
129	91.6	67.3	124.9
131	90.1	64.8	120.3
166	127.5	91.8	170.4



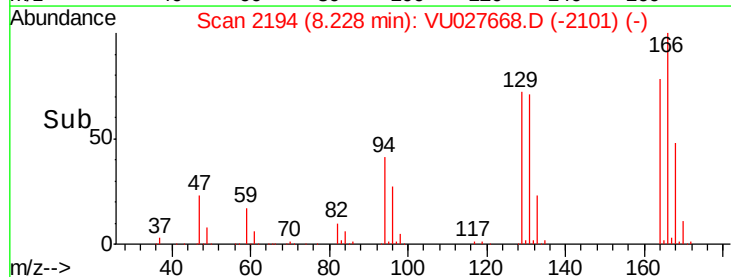
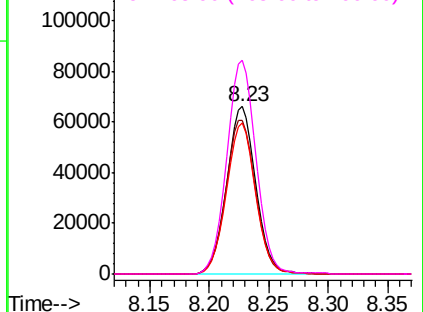
Abundance

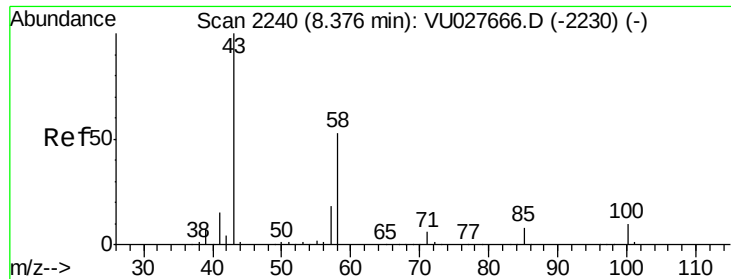
Ion 163.90 (163.60 to 164.60): V

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

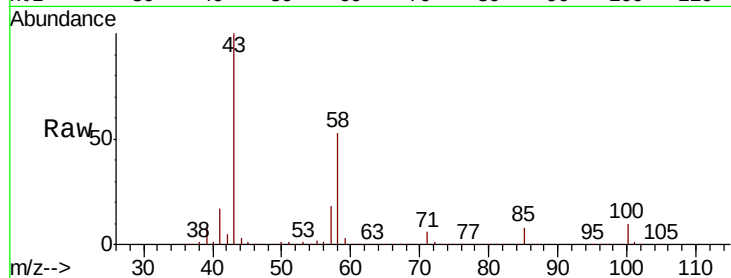




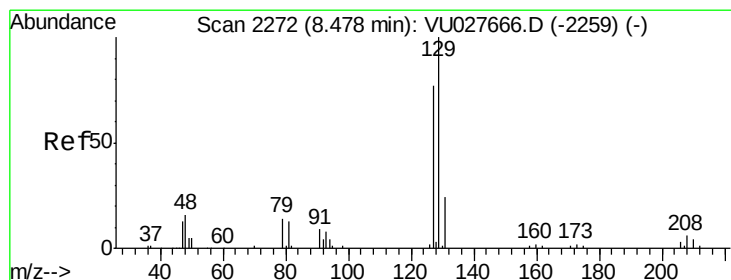
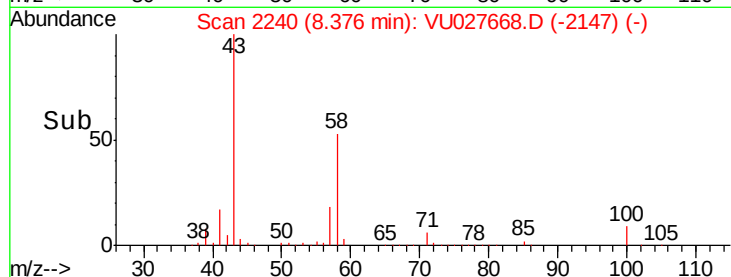
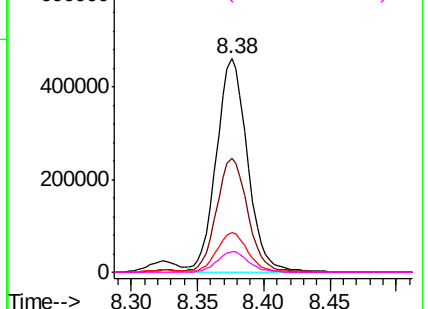
#48
2-Hexanone
Concen: 195.156 ug/L
RT: 8.38 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VU027668.D
Acq: 17 Oct 2018 09:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD02045

Tgt Ion: 43 Resp: 747781
Ion Ratio Lower Upper
43 100
58 54.0 42.7 64.1
57 18.6 14.5 21.7
100 9.9 8.1 12.1

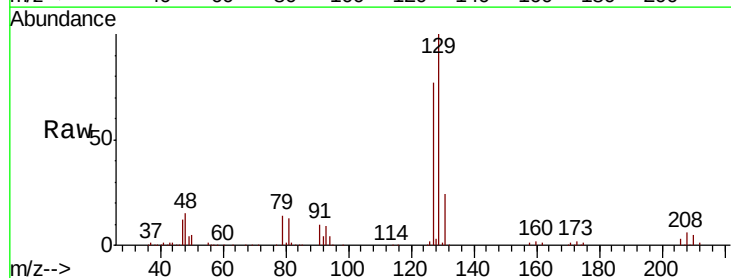


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

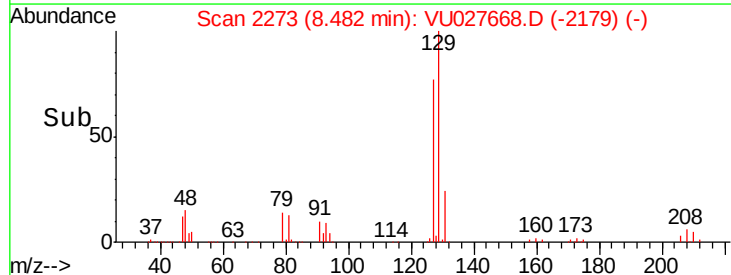
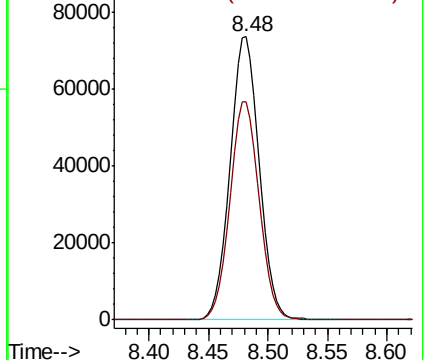


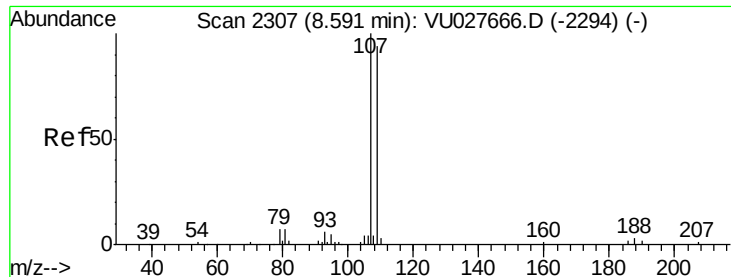
#49
Dibromochloromethane
Concen: 19.780 ug/L
RT: 8.48 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VU027668.D
Acq: 17 Oct 2018 09:56

Tgt Ion: 129 Resp: 125232
Ion Ratio Lower Upper
129 100
127 77.1 54.1 100.5



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

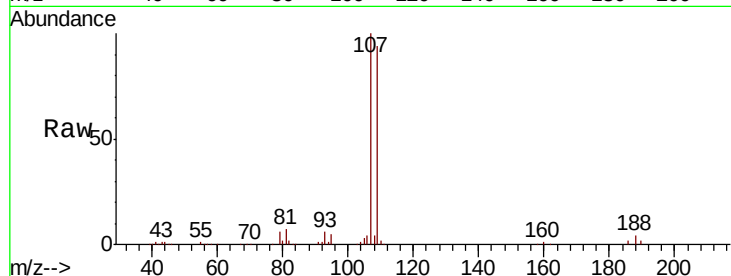




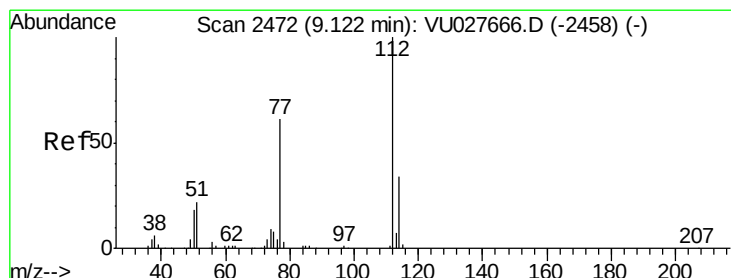
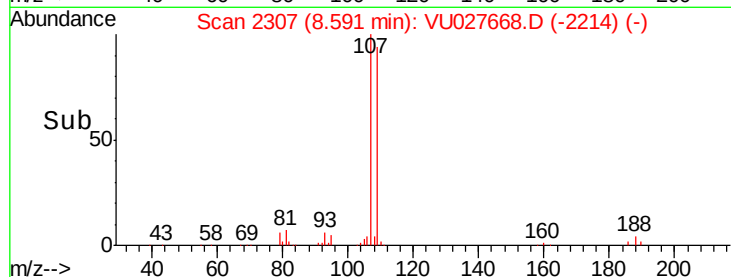
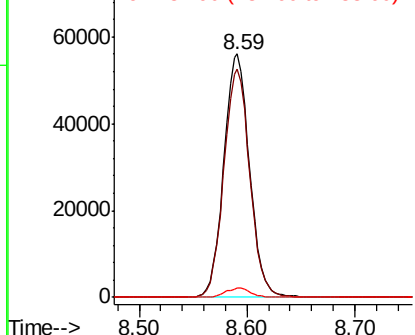
#50
1,2-Dibromoethane
Concen: 19.506 ug/L
RT: 8.59 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VU027668.D
Acq: 17 Oct 2018 09:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD02045

Tgt Ion:107 Resp: 93135
Ion Ratio Lower Upper
107 100
109 94.0 66.1 122.7
188 3.7 2.6 4.0

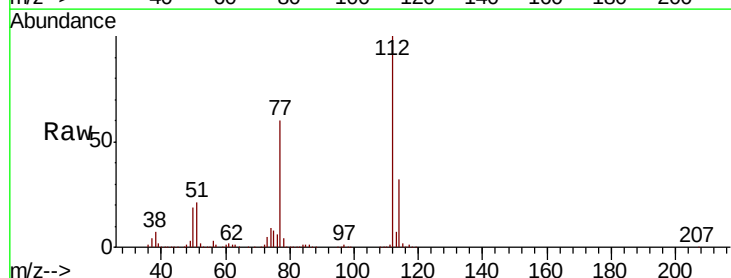


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

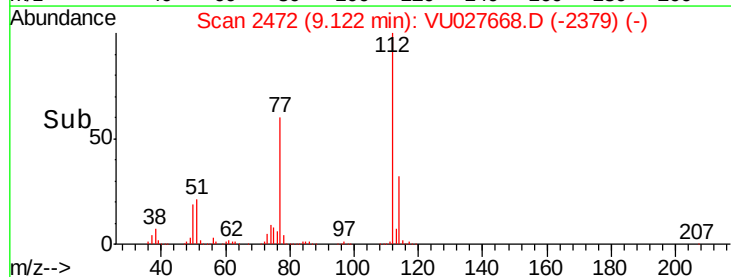
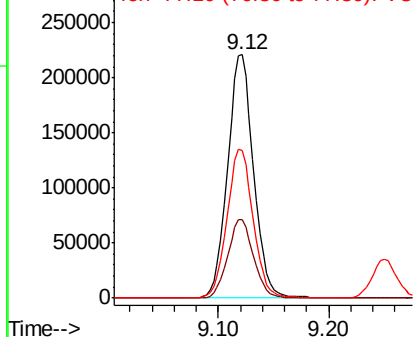


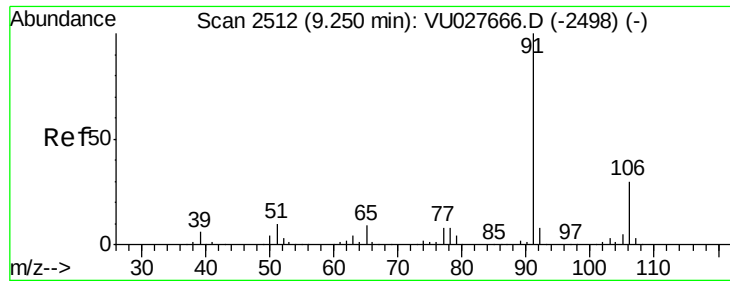
#51
Chlorobenzene
Concen: 19.798 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027668.D
Acq: 17 Oct 2018 09:56

Tgt Ion:112 Resp: 360136
Ion Ratio Lower Upper
112 100
114 32.1 23.4 43.6
77 60.4 49.5 74.3



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





#52

Ethylbenzene

Concen: 19.842 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

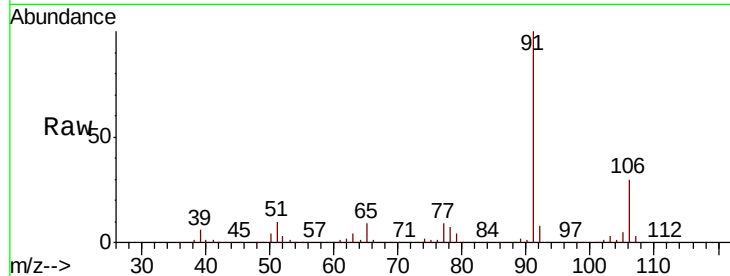
VSTD02045

Tgt Ion: 91 Resp: 651970

Ion Ratio Lower Upper

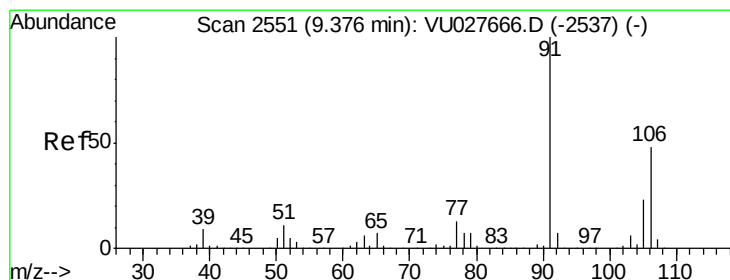
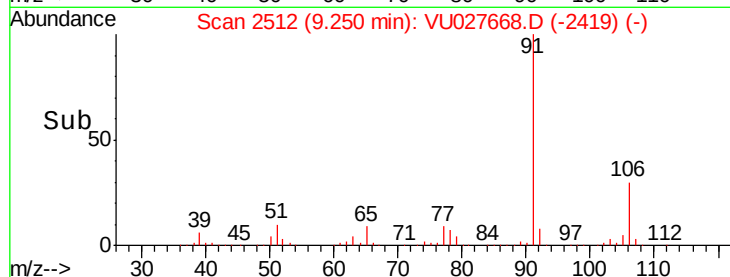
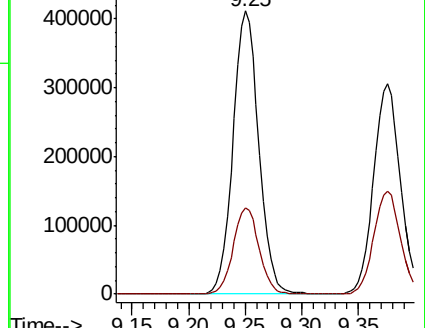
91 100

106 30.5 20.9 38.9



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

Ion 106.15 (105.85 to 106.85): VU027666.D (-2498) (-)



#53

m,p-xylene

Concen: 20.087 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027668.D

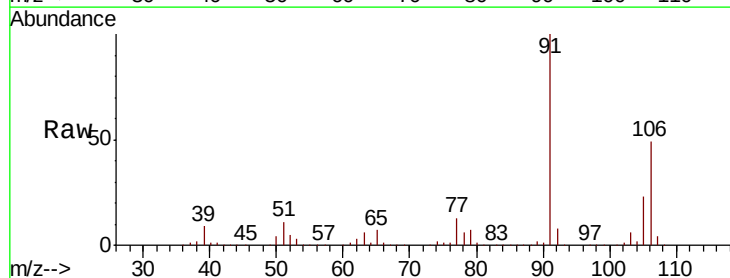
Acq: 17 Oct 2018 09:56

Tgt Ion: 106 Resp: 245593

Ion Ratio Lower Upper

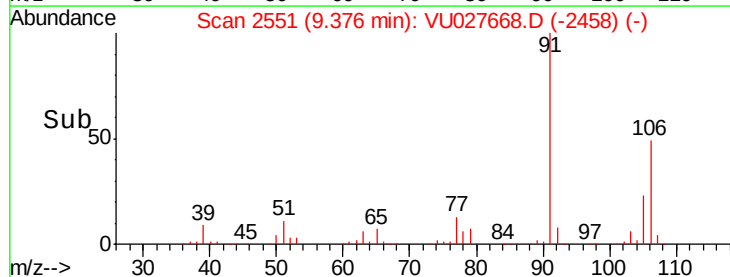
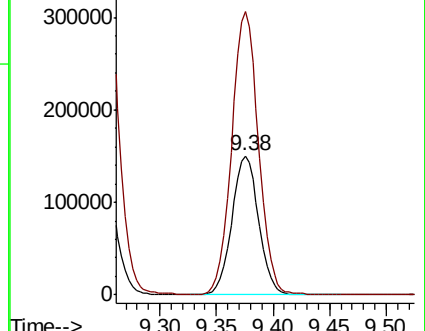
106 100

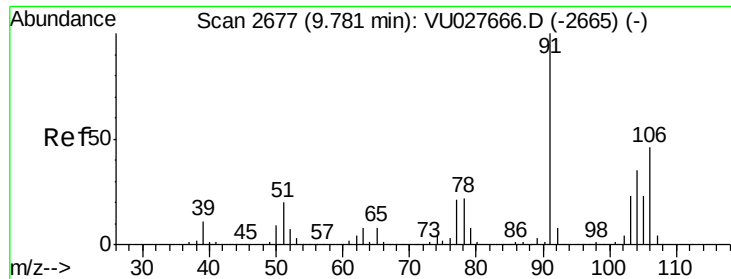
91 203.8 146.8 272.6



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

Ion 91.15 (90.85 to 91.85): VU027666.D (-2537) (-)





#54

o-xylene

Concen: 19.980 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

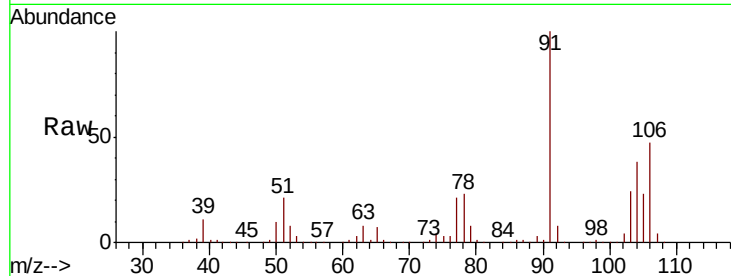
VSTD02045

Tgt Ion:106 Resp: 239821

Ion Ratio Lower Upper

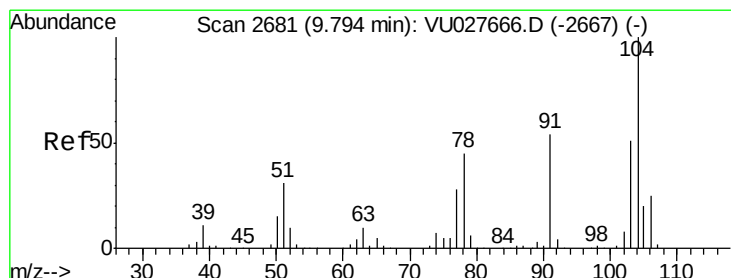
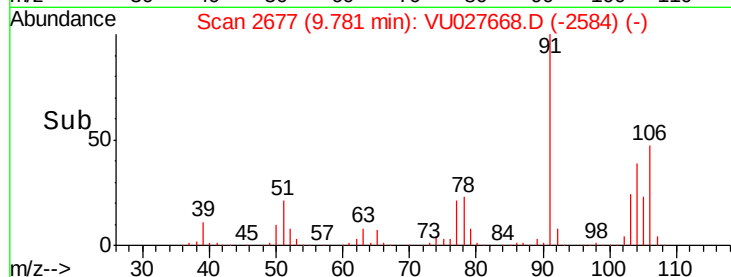
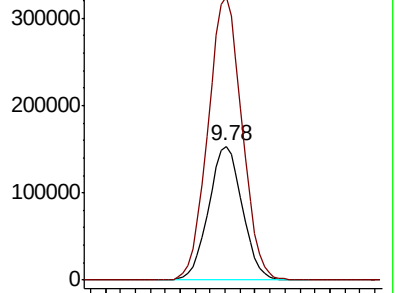
106 100

91 210.8 153.5 285.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 20.243 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027668.D

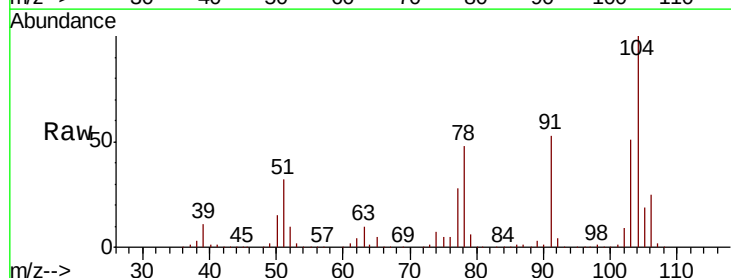
Acq: 17 Oct 2018 09:56

Tgt Ion:104 Resp: 408567

Ion Ratio Lower Upper

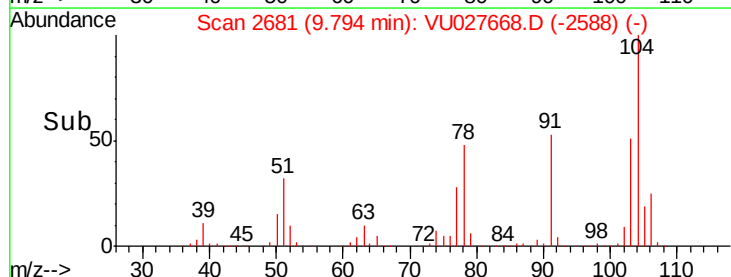
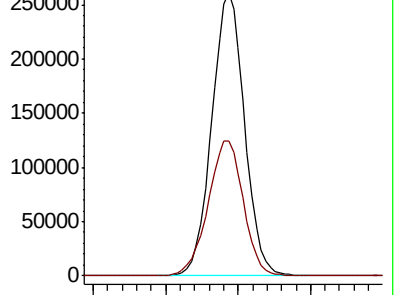
104 100

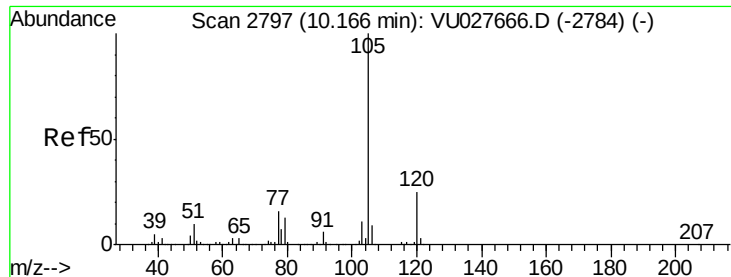
78 47.6 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 20.011 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD02045

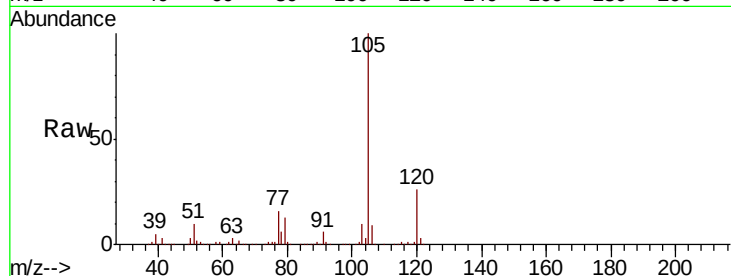
Tgt Ion: 105 Resp: 638707

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

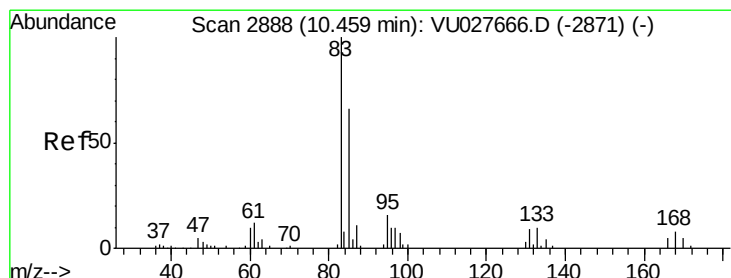
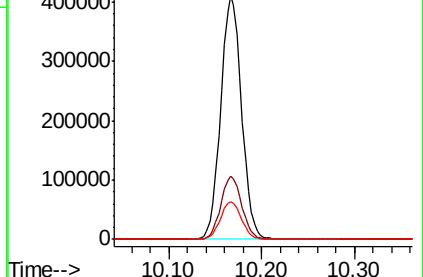
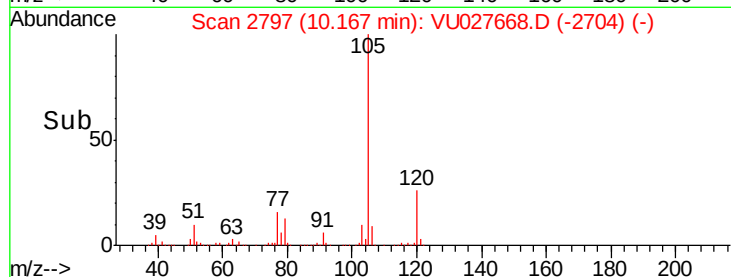
77 15.6 12.6 18.8



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: 18.329 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

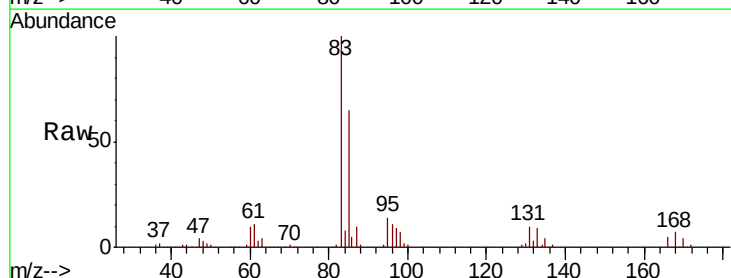
Tgt Ion: 83 Resp: 122156

Ion Ratio Lower Upper

83 100

85 64.5 46.1 85.7

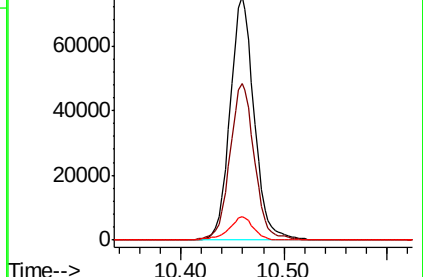
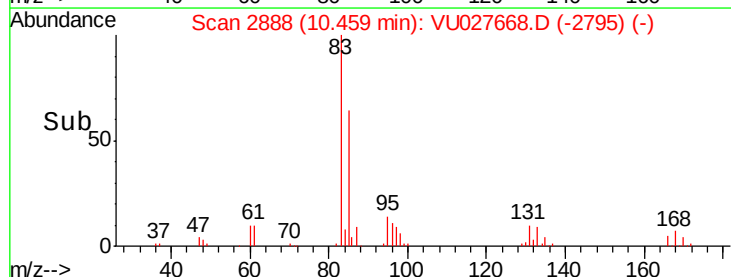
131 9.5 7.0 10.4

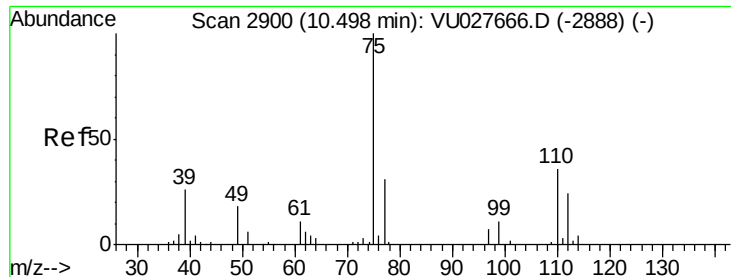


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

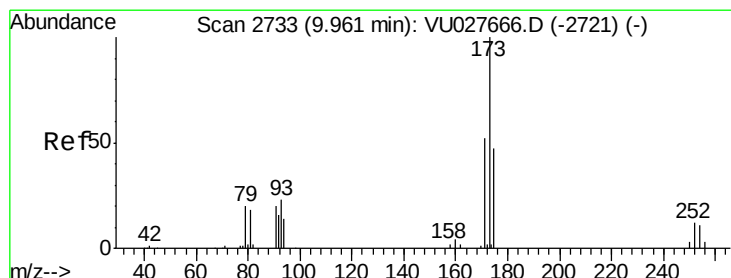
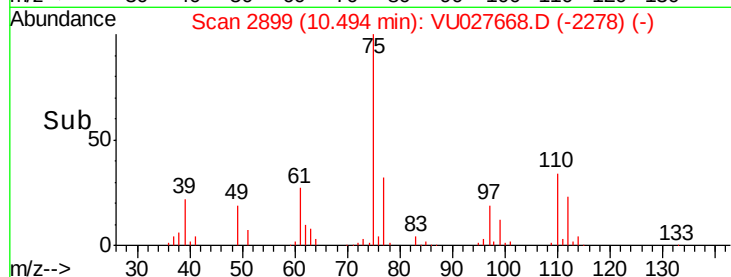
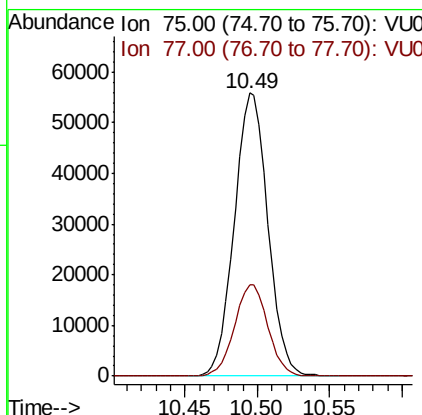
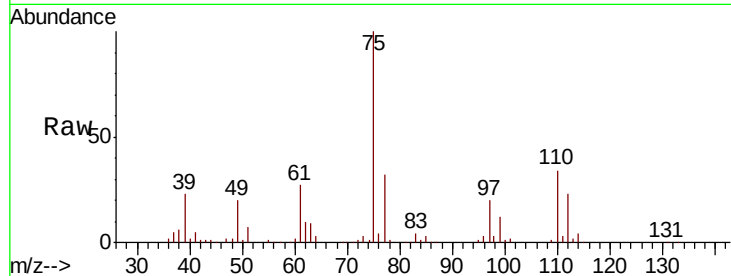




#59
 1,2,3-Trichloropropane
 Concen: 19.693 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

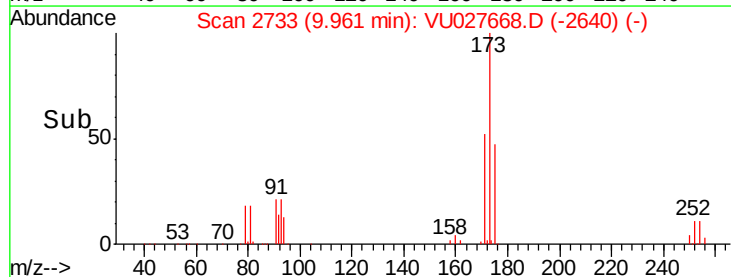
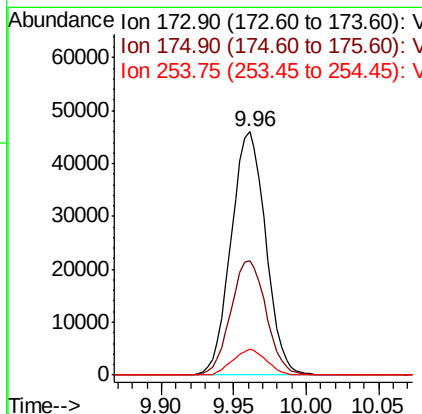
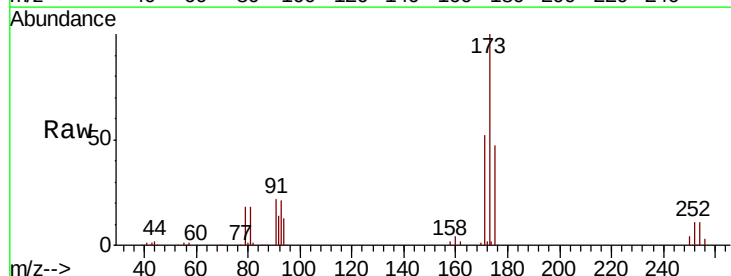
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

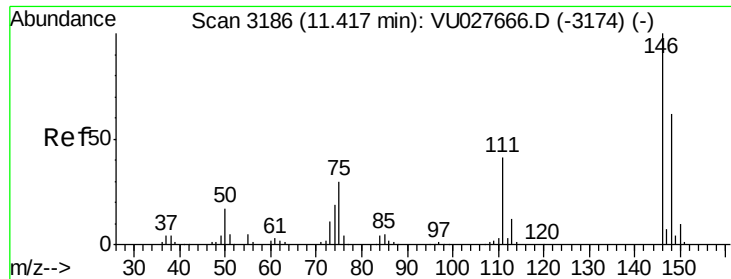
Tgt Ion: 75 Resp: 89668
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.9 40.3



#61
 Bromoform
 Concen: 18.737 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Tgt Ion: 173 Resp: 76511
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.2 57.2
 254 10.2 8.3 12.5

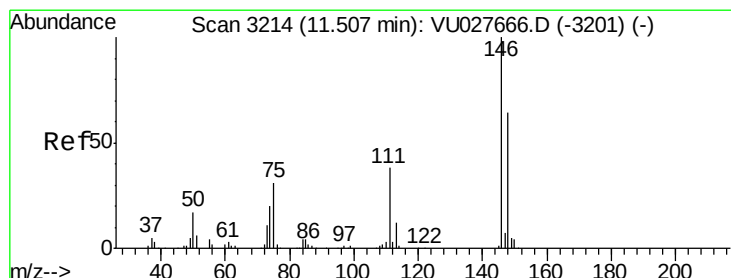
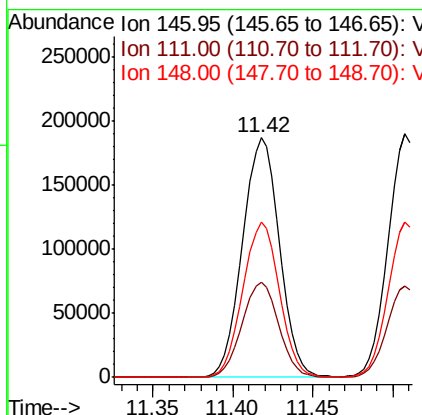
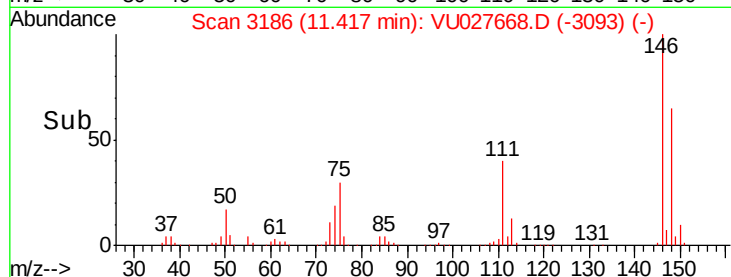
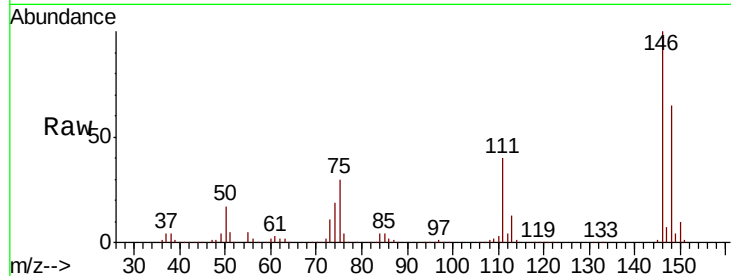




#62
 1,3-Dichlorobenzene
 Concen: 19.409 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

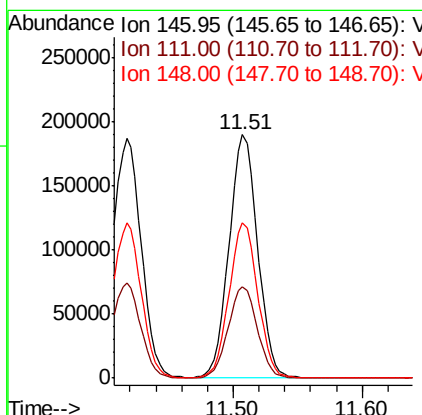
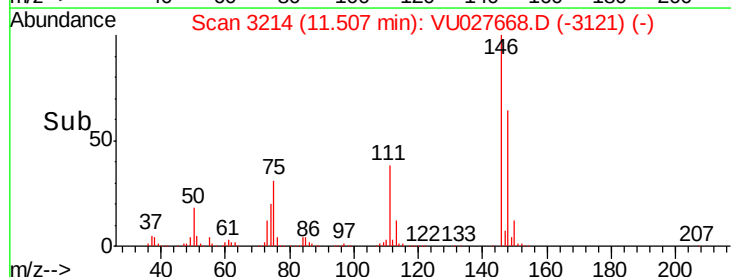
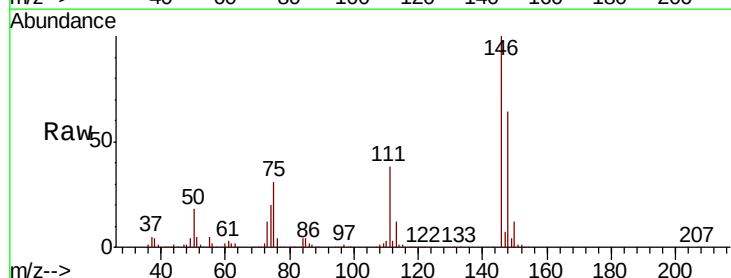
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

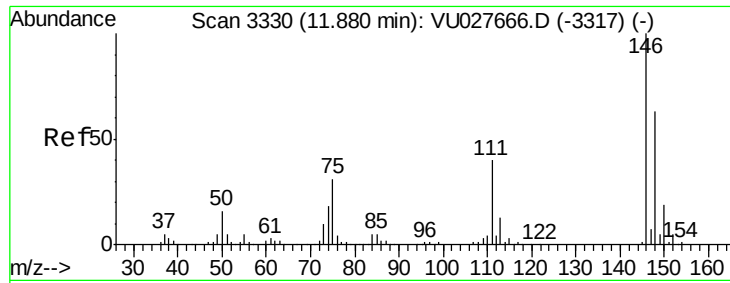
Tgt Ion:146 Resp: 293683
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.6 53.0
 148 64.7 43.6 81.0



#63
 1,4-Dichlorobenzene
 Concen: 19.136 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Tgt Ion:146 Resp: 290383
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.5 49.1
 148 63.8 45.2 84.0

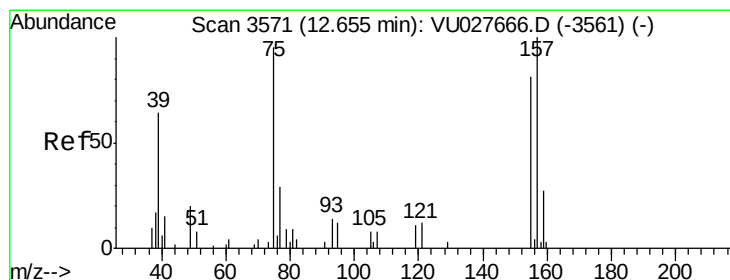
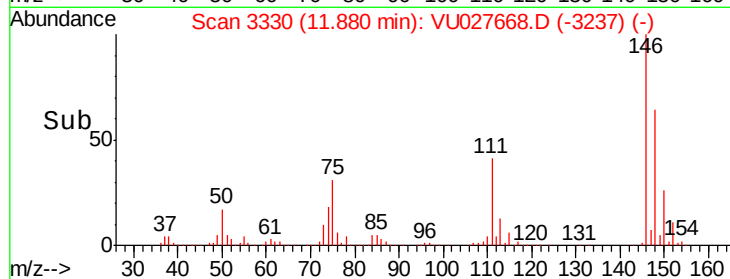
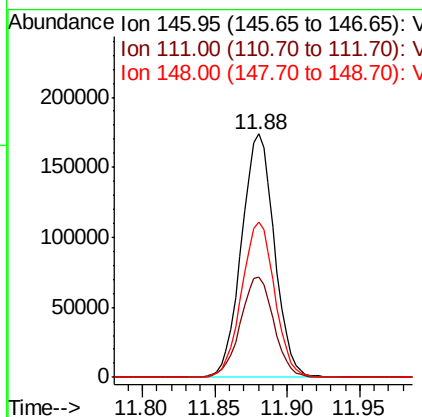
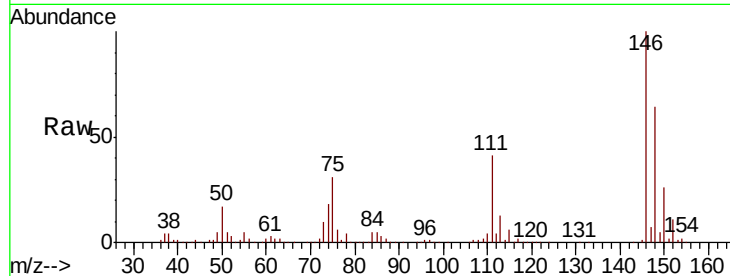




#65
 1,2-Dichlorobenzene
 Concen: 18.856 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

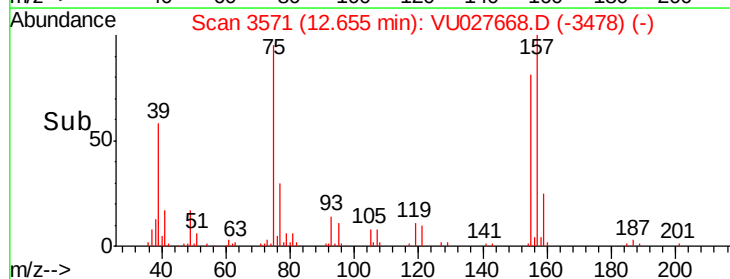
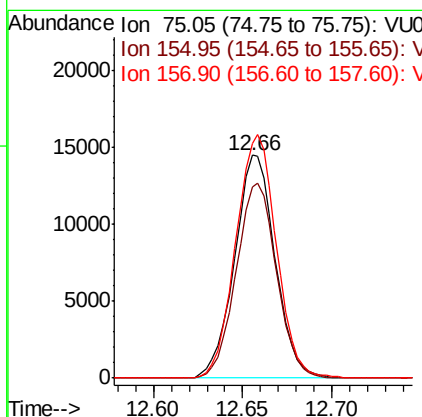
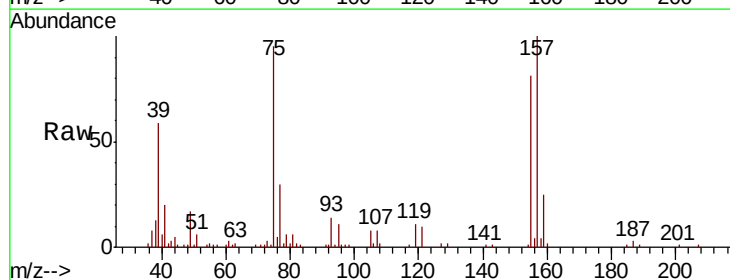
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

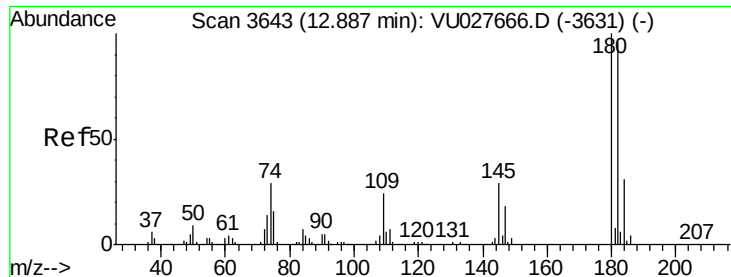
Tgt Ion: 146 Resp: 274076
 Ion Ratio Lower Upper
 146 100
 111 41.4 31.7 47.5
 148 63.6 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.261 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Tgt Ion: 75 Resp: 23049
 Ion Ratio Lower Upper
 75 100
 155 85.6 68.3 102.5
 157 105.4 84.6 127.0

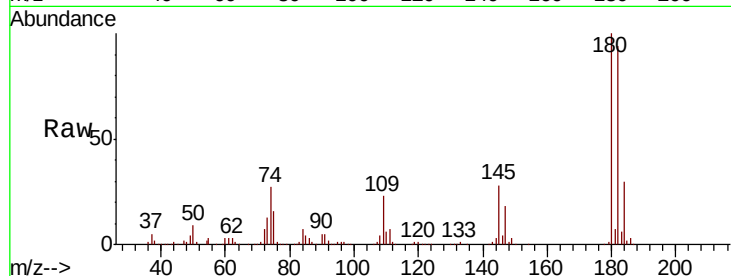




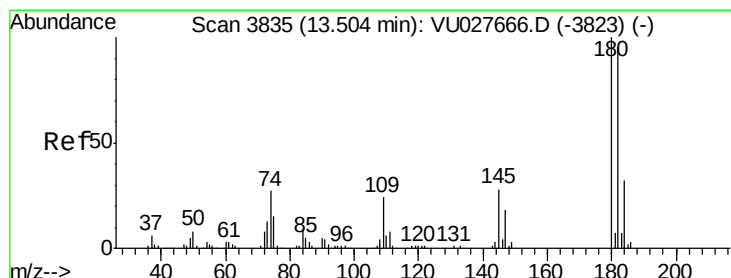
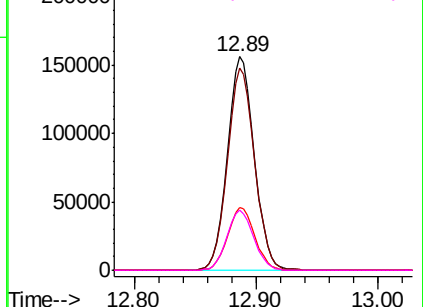
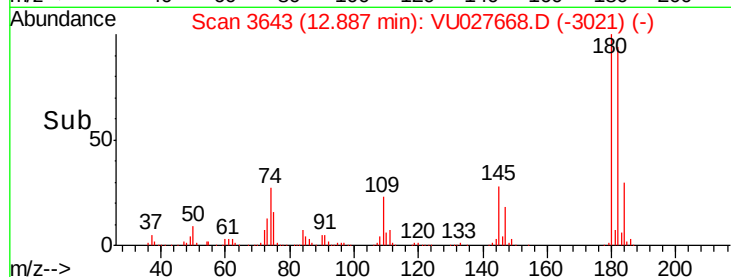
#67
 1,3,5-Trichlorobenzene
 Concen: 19.533 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02045

Tgt Ion:180 Resp: 239918
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.0 115.4
 184 29.8 24.2 36.2
 145 28.2 22.6 33.8

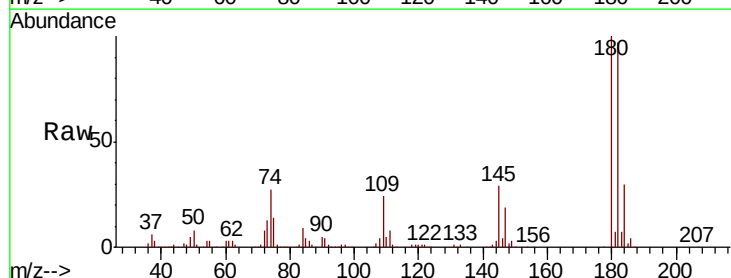


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

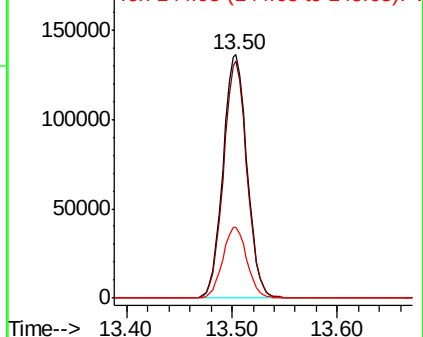
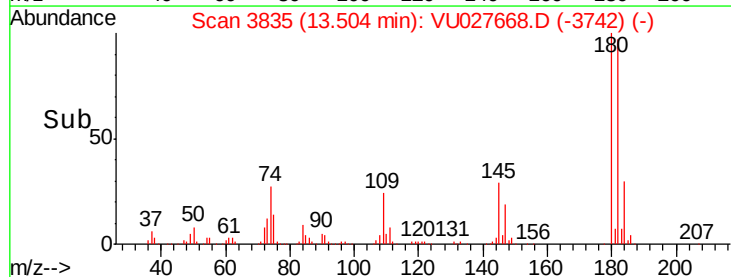


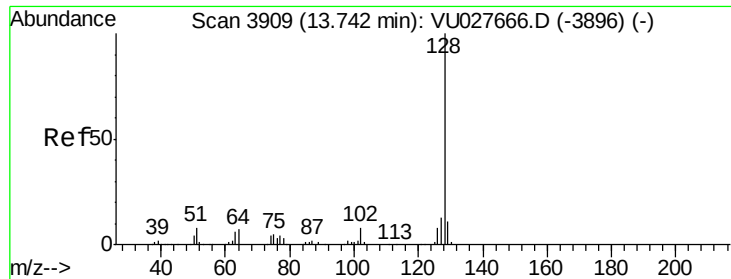
#68
 1,2,4-trichlorobenzene
 Concen: 20.279 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027668.D
 Acq: 17 Oct 2018 09:56

Tgt Ion:180 Resp: 214703
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.6 114.8
 145 29.2 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: 20.237 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD02045

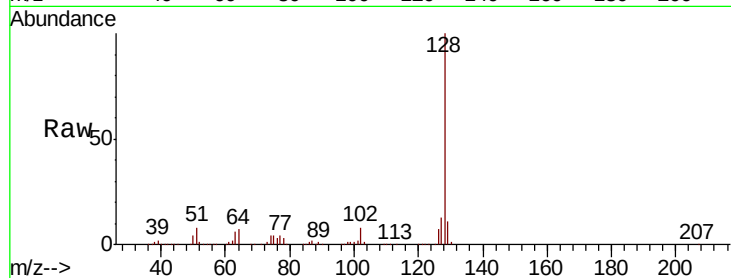
Tgt Ion:128 Resp: 358199

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

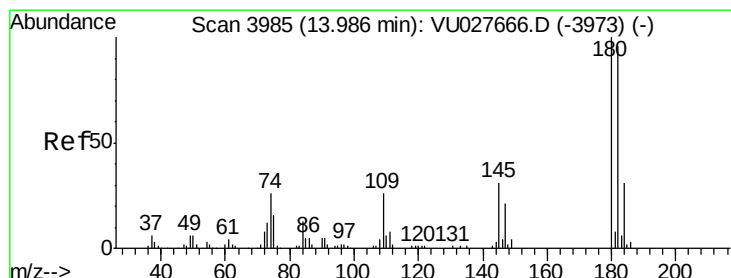
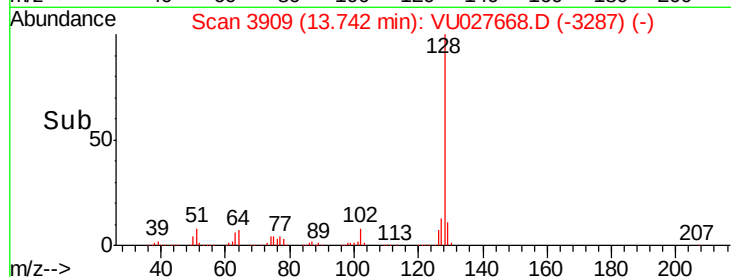
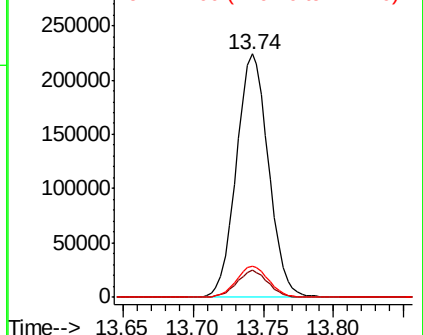
127 12.9 10.5 15.7



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: 19.692 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027668.D

Acq: 17 Oct 2018 09:56

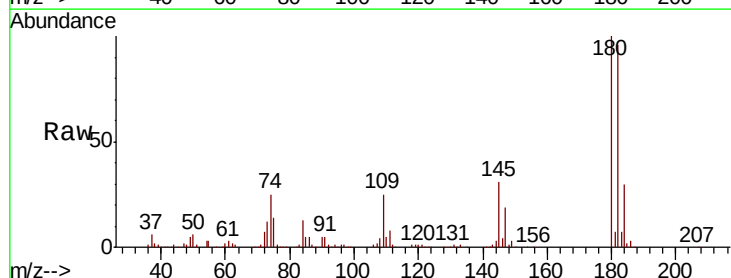
Tgt Ion:180 Resp: 194728

Ion Ratio Lower Upper

180 100

182 95.0 75.8 113.6

145 30.7 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

