

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101718\
 Data File : VU027664.D
 Acq On : 17 Oct 2018 08:12
 Operator : MD/SY
 Sample : VSTD0.541
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.541

Quant Time: Oct 19 05:50:50 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	82739	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	79062	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	38440	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	3865	0.59	ug/L	0.00
7) Chloroethane-d5	1.68	69	2830	0.57	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	6638	0.57	ug/L	0.00
20) 2-Butanone-d5	4.23	46	10676	5.71	ug/L	0.00
24) Chloroform-d	4.65	84	5792	0.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	3155	0.55	ug/L	0.00
32) Benzene-d6	5.34	84	11680	0.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	4044	0.54	ug/L	0.00
41) Toluene-d8	7.57	98	11326	0.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	1948	0.59	ug/L	0.00
46) 2-Hexanone-d5	8.33	63	8697	5.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	3624	0.62	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	4065	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	4076	0.604 ug/L	97
3) Chloromethane	1.33	50	4583	0.570 ug/L	89
5) Vinyl chloride	1.41	62	4582	0.567 ug/L	96
6) Bromomethane	1.63	94	2562	0.592 ug/L	89
8) Chloroethane	1.70	64	2643	0.568 ug/L	98
9) Trichlorofluoromethane	1.89	101	5253	0.564 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3203	0.570 ug/L	97
12) 1,1-Dichloroethene	2.29	96	3352	0.599 ug/L	98
13) Acetone	2.36	43	7274	6.084 ug/L	92
14) Carbon disulfide	2.48	76	10887	0.561 ug/L #	93
15) Methyl Acetate	2.64	43	1762	0.552 ug/L	100
16) Methylene chloride	2.70	84	3418	0.560 ug/L	91
17) Methyl tert-butyl Ether	3.01	73	8611	0.556 ug/L	95
18) trans-1,2-Dichloroethene	2.99	96	3283	0.552 ug/L	94
19) 1,1-Dichloroethane	3.45	63	6762	0.571 ug/L	93
21) 2-Butanone	4.31	43	11552	5.561 ug/L	92
22) cis-1,2-Dichloroethene	4.23	96	3644	0.553 ug/L #	92
23) Bromochloromethane	4.55	128	1861	0.627 ug/L	80
25) Chloroform	4.68	83	6572	0.575 ug/L	91
27) 1,2-Dichloroethane	5.41	62	4263	0.589 ug/L #	64
29) 1,1,1-Trichloroethane	4.92	97	5573	0.575 ug/L	98
30) Cyclohexane	4.99	56	6893	0.566 ug/L	96
31) Carbon tetrachloride	5.13	117	5147	0.586 ug/L	94
33) Benzene	5.39	78	14916	0.576 ug/L	100
34) Trichloroethene	6.19	95	3618	0.540 ug/L	95
35) Methylcyclohexane	6.41	83	6335	0.549 ug/L	94
37) 1,2-Dichloropropane	6.44	63	4195	0.565 ug/L #	96
38) Bromodichloromethane	6.76	83	5129	0.594 ug/L	94
39) cis-1,3-Dichloropropene	7.28	75	5656	0.523 ug/L	88
40) 4-Methyl-2-pentanone	7.48	43	28204	5.624 ug/L	98

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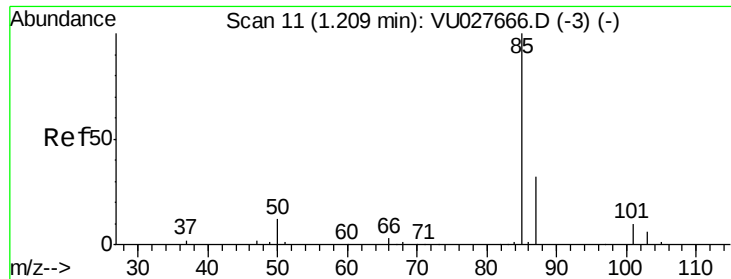
Instrument :
 MSVOA_U
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.64	91	15402	0.554	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	4890	0.548	ug/L	87
45) 1,1,2-Trichloroethane	8.07	97	2849	0.596	ug/L	97
47) Tetrachloroethene	8.23	164	3107	0.581	ug/L	91
48) 2-Hexanone	8.38	43	19559	5.444	ug/L	96
49) Dibromochloromethane	8.48	129	3295	0.555	ug/L	95
50) 1,2-Dibromoethane	8.59	107	2495	0.557	ug/L #	97
51) Chlorobenzene	9.12	112	9467	0.555	ug/L	98
52) Ethylbenzene	9.25	91	16977	0.551	ug/L	98
53) m,p-xylene	9.38	106	6153	0.537	ug/L	97
54) o-xylene	9.78	106	6285	0.558	ug/L	95
55) Styrene	9.79	104	10200	0.539	ug/L	96
56) Isopropylbenzene	10.17	105	16433	0.549	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.46	83	4099	0.656	ug/L	96
59) 1,2,3-Trichloropropane	11.49	75	6652	1.558	ug/L	94
61) Bromoform	9.96	173	1973	0.573	ug/L #	95
62) 1,3-Dichlorobenzene	11.42	146	6917	0.542	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	7122	0.556	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	6931	0.565	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	573	0.568	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.89	180	5800	0.560	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	4625	0.518	ug/L	97
69) Naphthalene	13.75	128	7660	0.513	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	4439	0.532	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.604 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

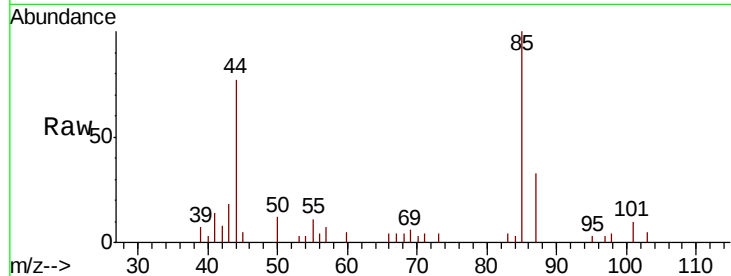
VSTD0.541

Tgt Ion: 85 Resp: 4076

Ion Ratio Lower Upper

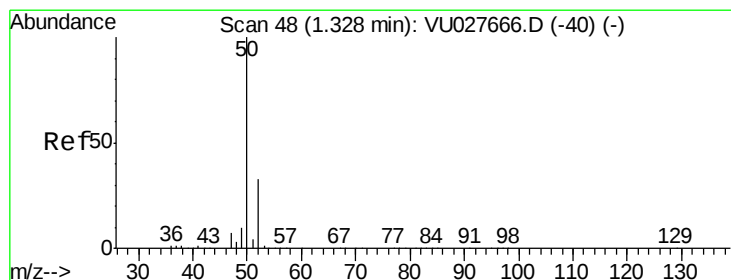
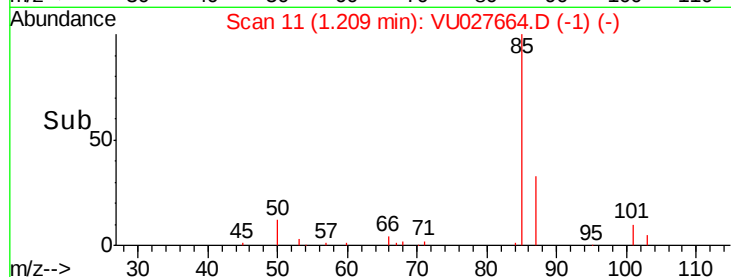
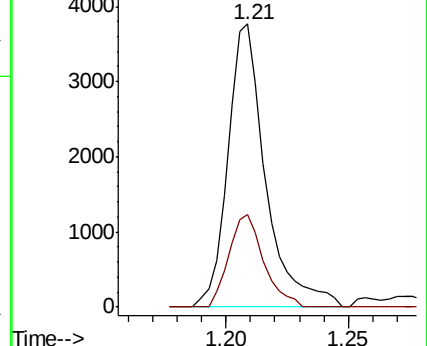
85 100

87 30.2 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.570 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU027664.D

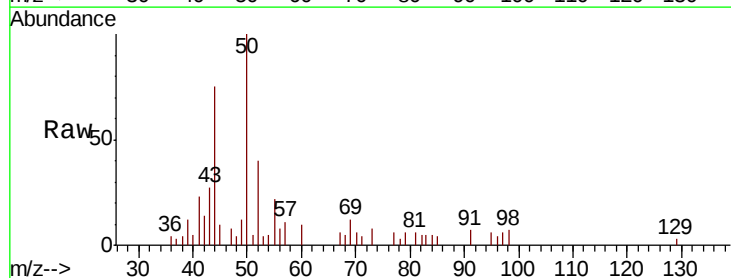
Acq: 17 Oct 2018 08:12

Tgt Ion: 50 Resp: 4583

Ion Ratio Lower Upper

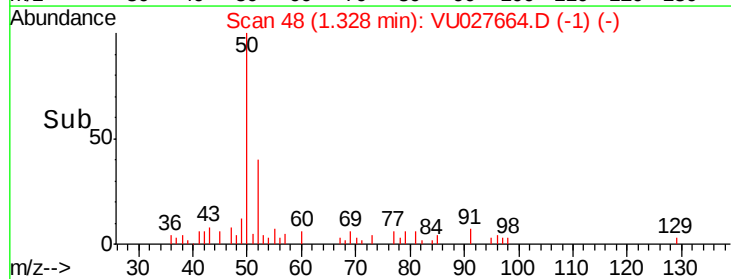
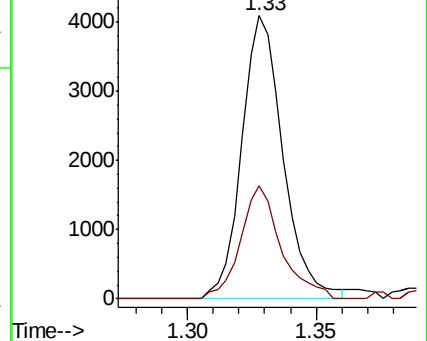
50 100

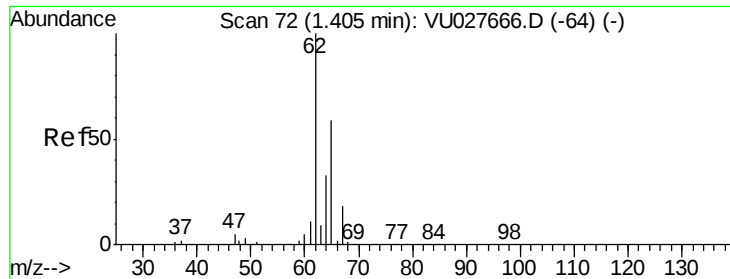
52 39.9 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 0.567 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

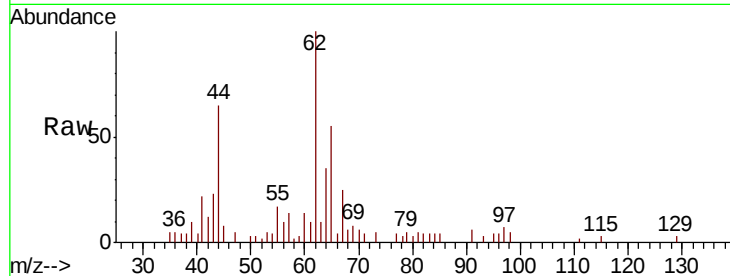
VSTD0.541

Tgt Ion: 62 Resp: 4582

Ion Ratio Lower Upper

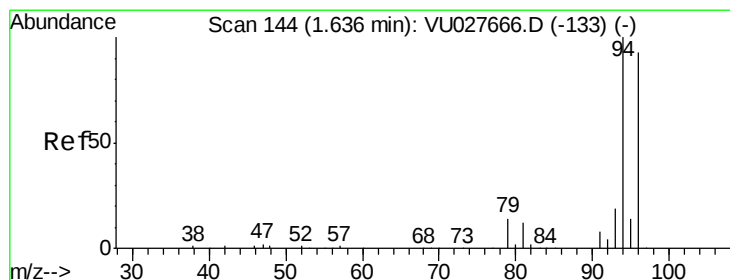
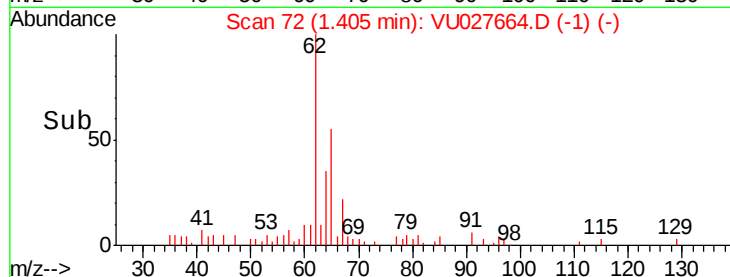
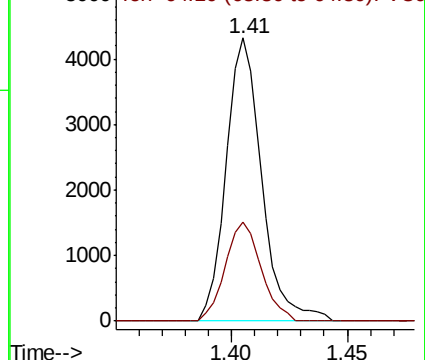
62 100

64 35.1 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: 0.592 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU027664.D

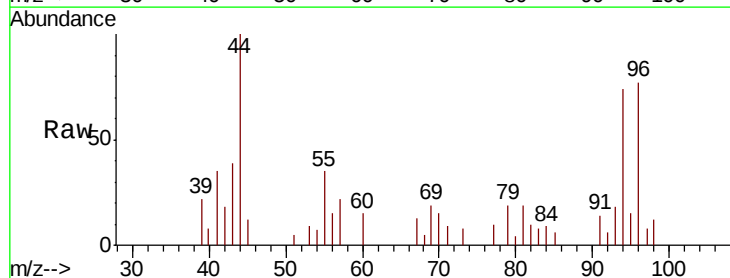
Acq: 17 Oct 2018 08:12

Tgt Ion: 94 Resp: 2562

Ion Ratio Lower Upper

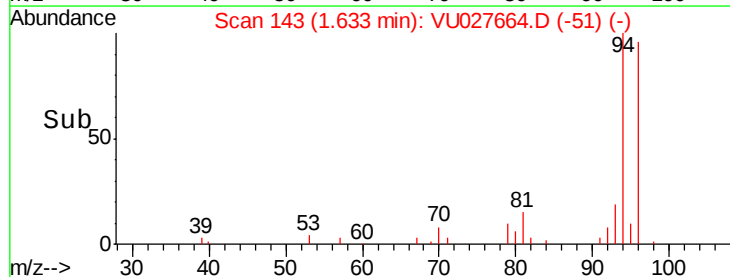
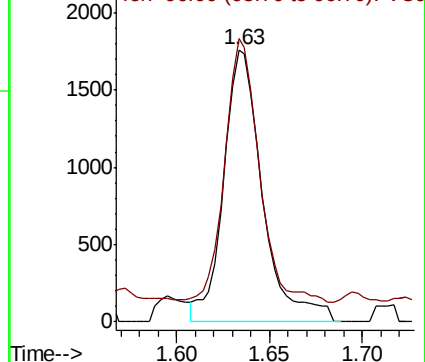
94 100

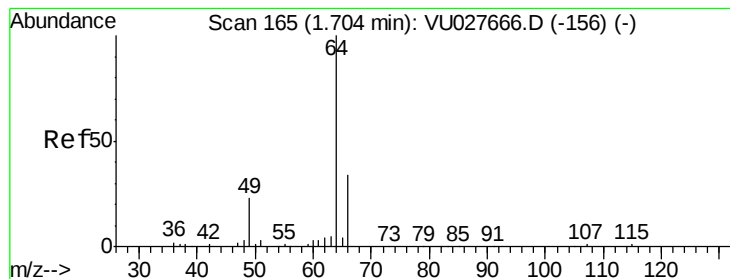
96 104.0 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.568 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

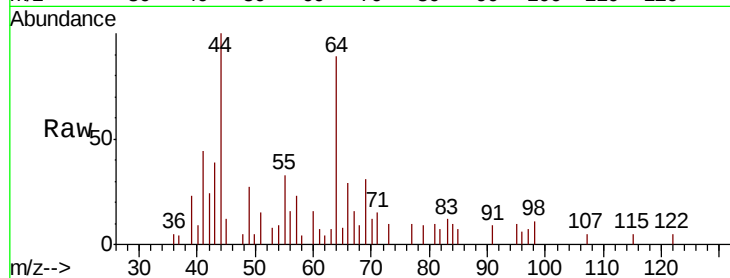
VSTD0.541

Tgt Ion: 64 Resp: 2643

Ion Ratio Lower Upper

64 100

66 32.2 23.5 43.7

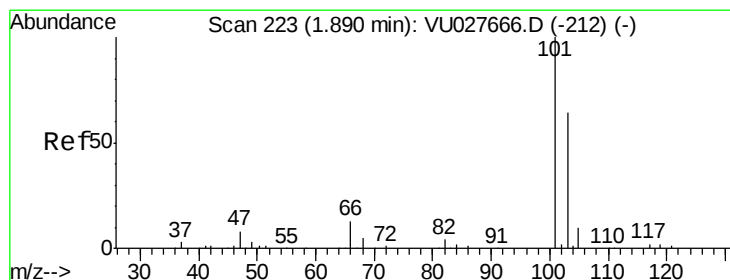
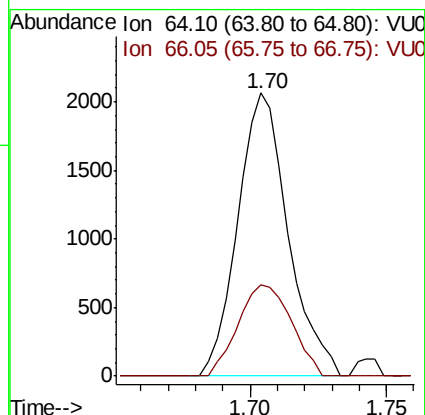
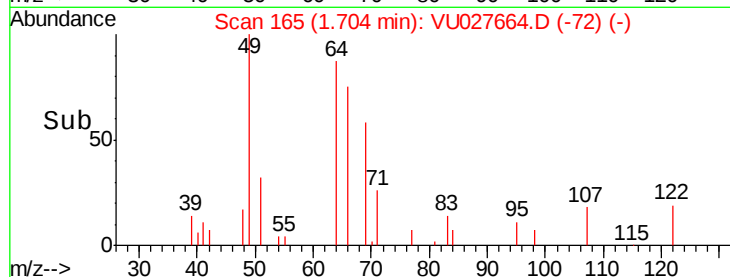


Abundance Ion 64.10 (63.80 to 64.80): VU027666.D (-156) (-)

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

1.70

1.75



#9

Trichlorofluoromethane

Concen: 0.564 ug/L

RT: 1.89 min Scan# 223

Delta R.T. 0.00 min

Lab File: VU027664.D

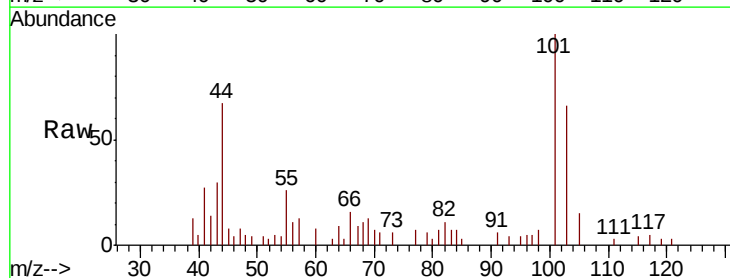
Acq: 17 Oct 2018 08:12

Tgt Ion: 101 Resp: 5253

Ion Ratio Lower Upper

101 100

103 69.0 52.2 78.4

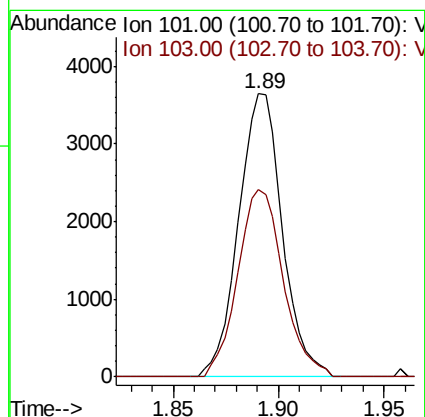
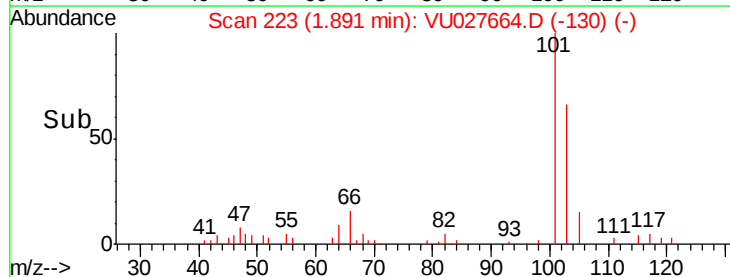


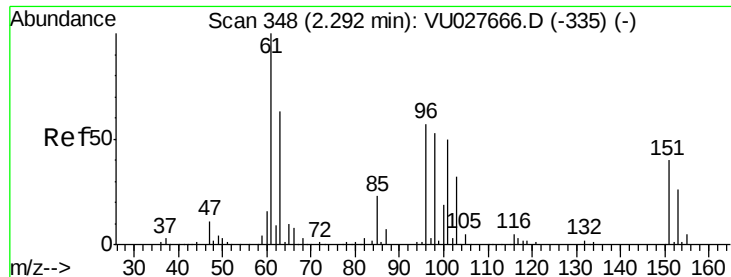
Abundance Ion 101.00 (100.70 to 101.70): VU027666.D (-212) (-)

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

1.89

1.95





#10

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

Concen: 0.570 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.541

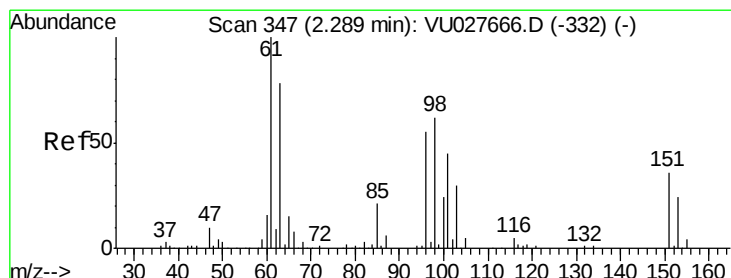
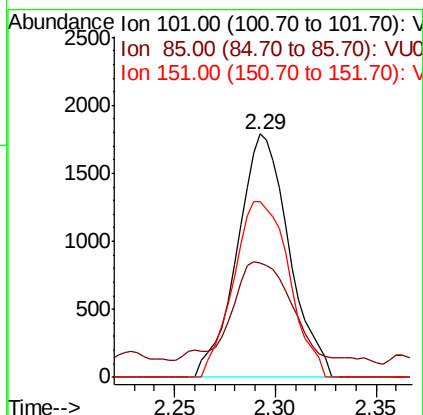
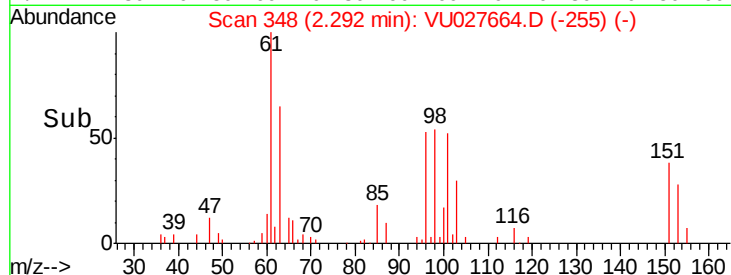
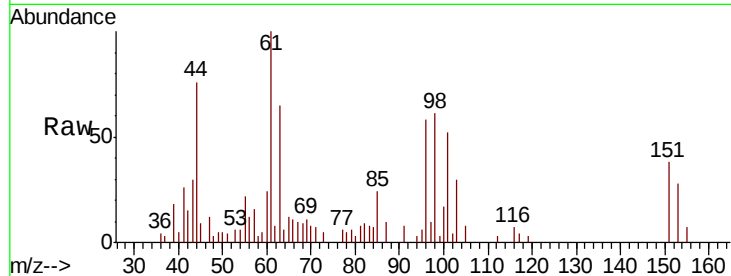
Tgt Ion: 101 Resp: 3203

Ion Ratio Lower Upper

101 100

85 47.9 35.6 53.4

151 77.8 63.8 95.6



#12

1,1-Dichloroethene

Concen: 0.599 ug/L

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

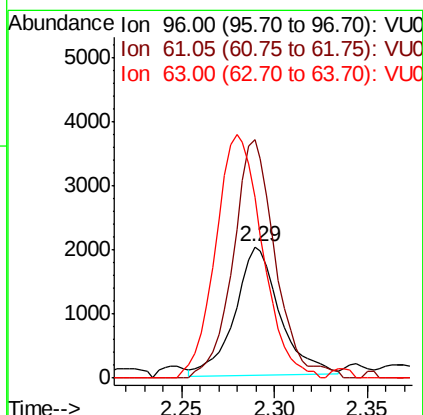
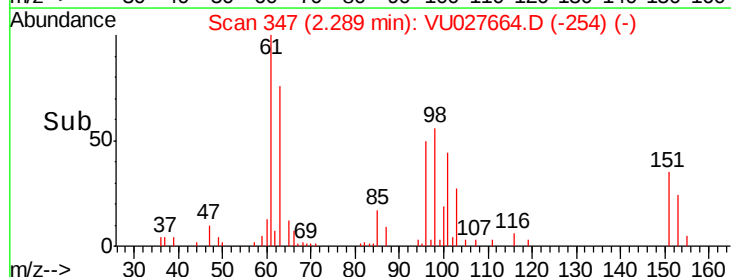
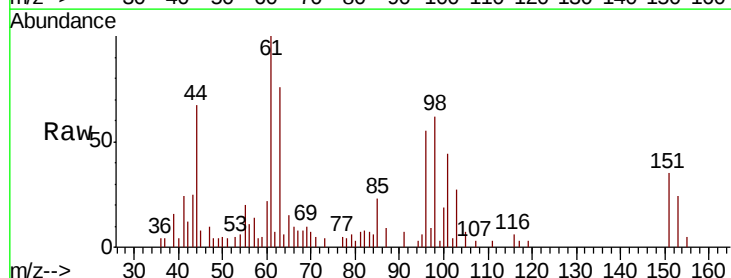
Tgt Ion: 96 Resp: 3352

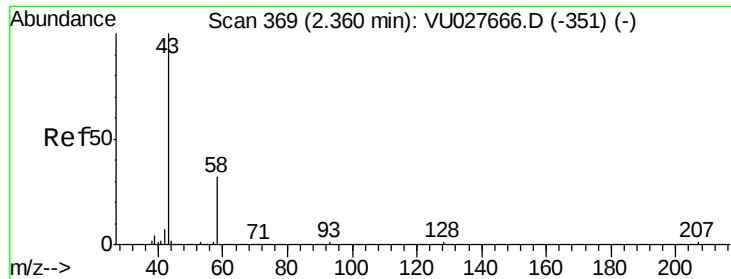
Ion Ratio Lower Upper

96 100

61 182.6 125.6 233.2

63 138.4 97.6 181.2





#13

Acetone

Concen: 6.084 ug/L

RT: 2.36 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

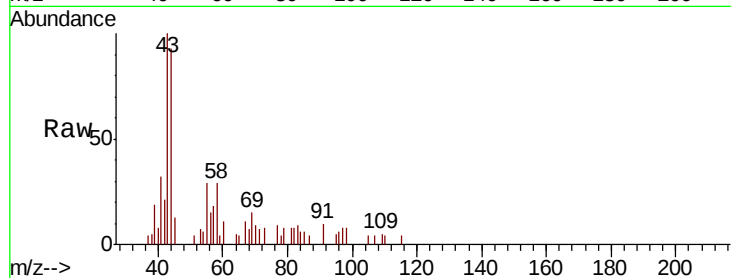
VSTD0.541

Tgt Ion: 43 Resp: 7274

Ion Ratio Lower Upper

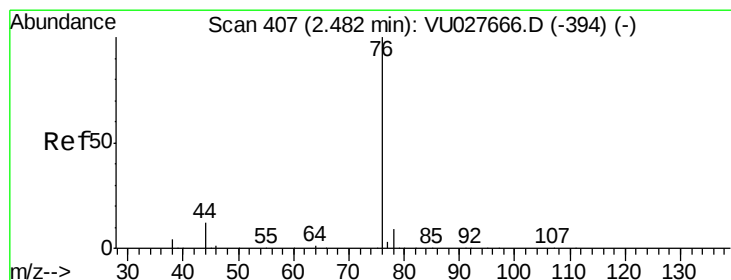
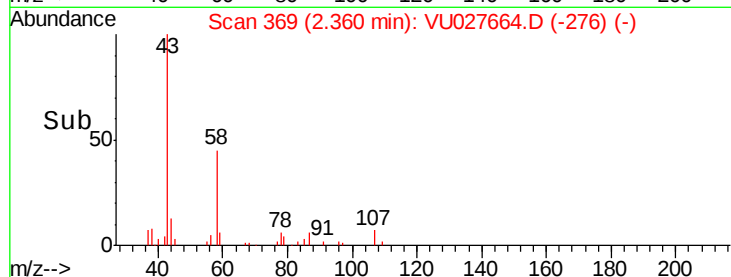
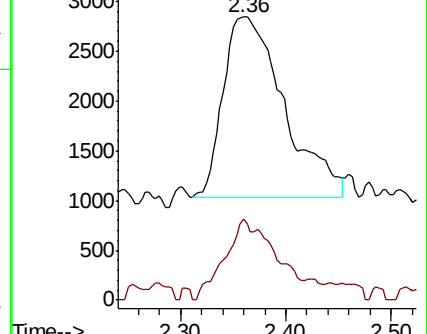
43 100

58 37.8 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: 0.561 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027664.D

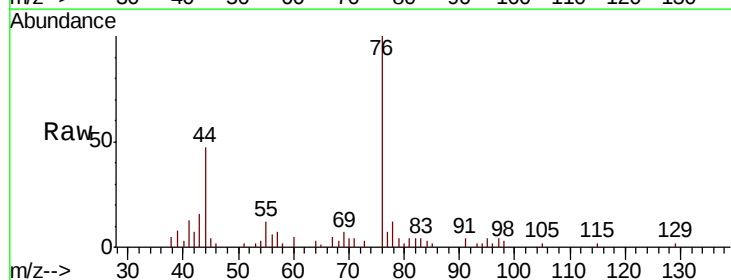
Acq: 17 Oct 2018 08:12

Tgt Ion: 76 Resp: 10887

Ion Ratio Lower Upper

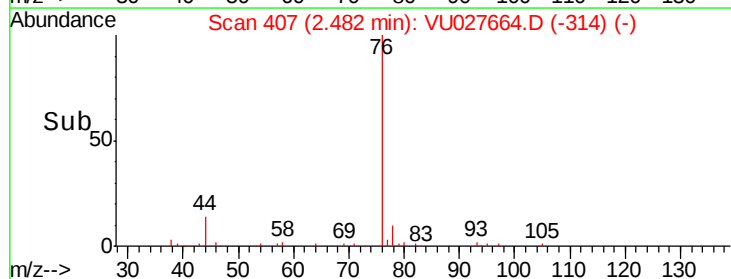
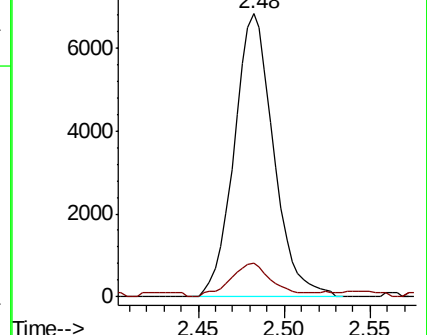
76 100

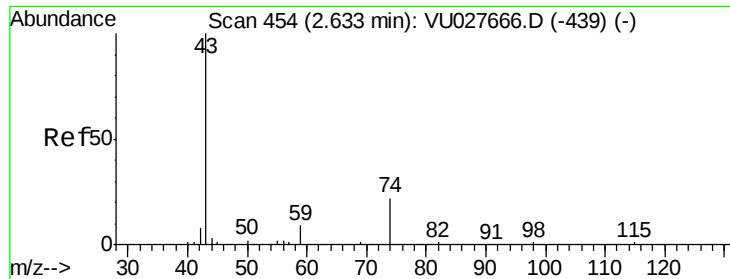
78 11.9 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 0.552 ug/L

RT: 2.64 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

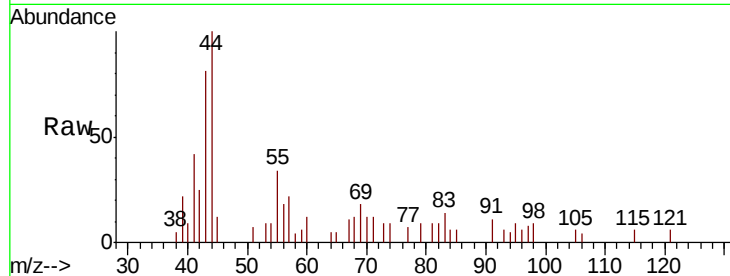
VSTD0.541

Tgt Ion: 43 Resp: 1762

Ion Ratio Lower Upper

43 100

74 23.2 18.7 28.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

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2.64

2.64

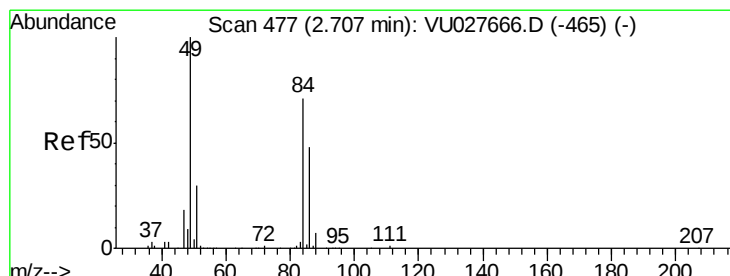
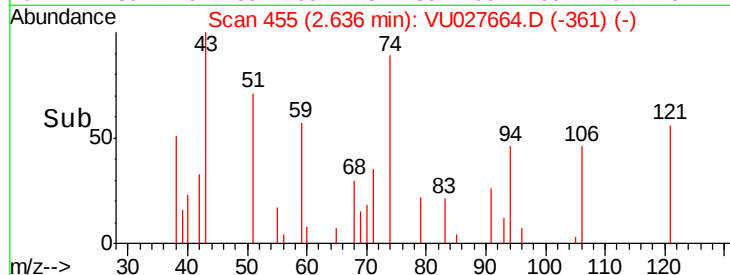
2.64

2.64

2.64

2.64

2.64



#16

Methylene chloride

Concen: 0.560 ug/L

RT: 2.70 min Scan# 476

Delta R.T. -0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

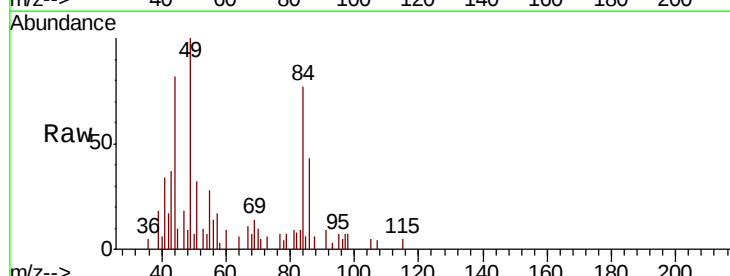
Tgt Ion: 84 Resp: 3418

Ion Ratio Lower Upper

84 100

86 55.9 46.1 85.7

49 130.2 96.9 179.9



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

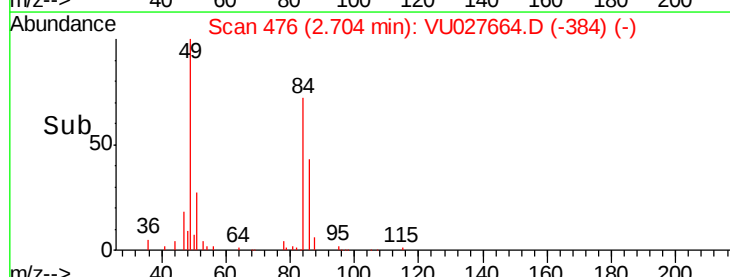
2.70

2.70

2.70

2.70

2.70



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

2.70

2.70

2.70

2.70

2.70

2.70

2.70

2.70

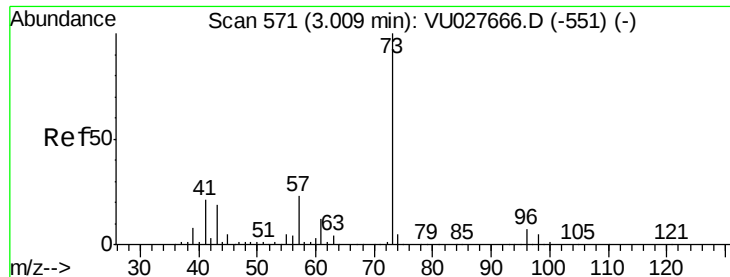
2.70

2.70

2.70

2.70

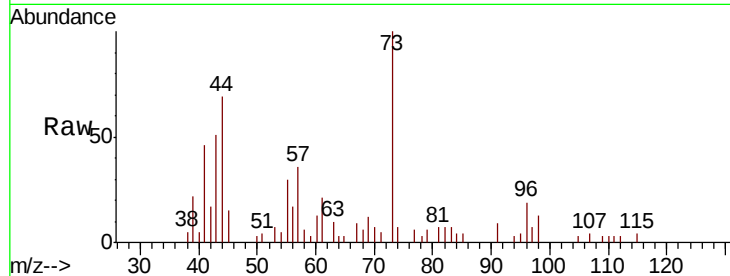
2.70



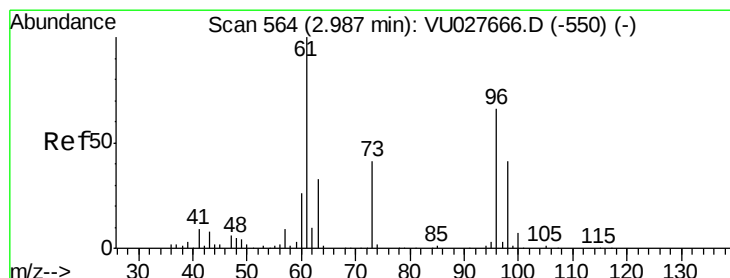
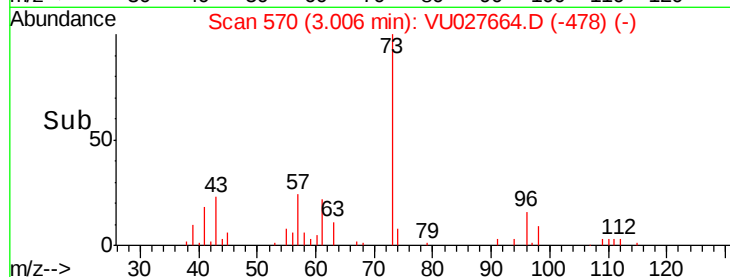
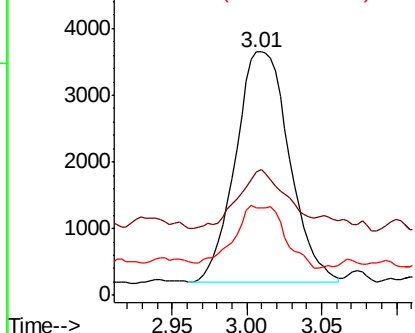
#17
Methyl tert-butyl Ether
Concen: 0.556 ug/L
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU027664.D
Acq: 17 Oct 2018 08:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.541

Tgt Ion: 73 Resp: 8611
Ion Ratio Lower Upper
73 100
43 22.4 15.8 23.8
57 25.9 18.7 28.1

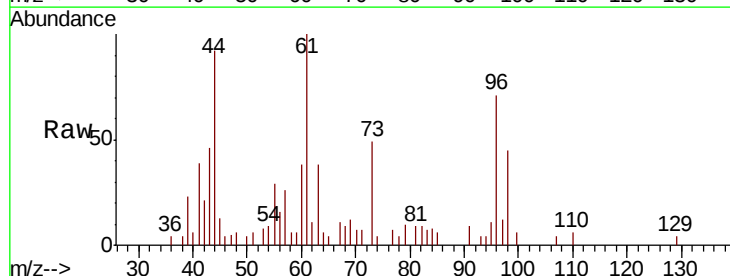


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

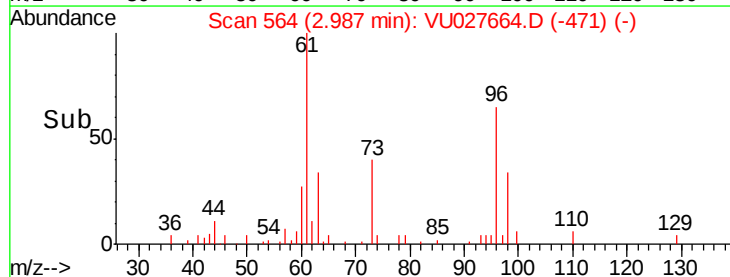
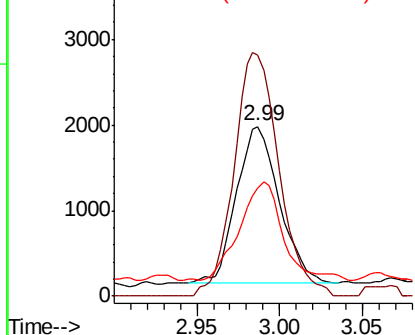


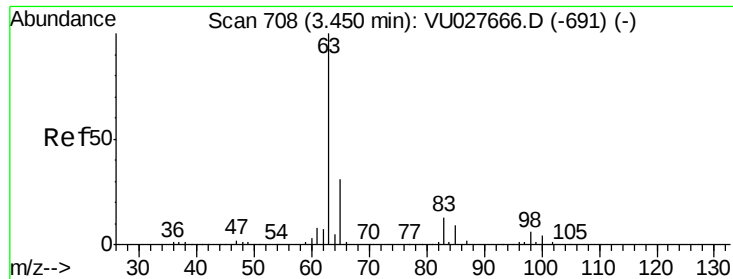
#18
trans-1,2-Dichloroethene
Concen: 0.552 ug/L
RT: 2.99 min Scan# 564
Delta R.T. 0.00 min
Lab File: VU027664.D
Acq: 17 Oct 2018 08:12

Tgt Ion: 96 Resp: 3283
Ion Ratio Lower Upper
96 100
61 141.7 105.8 196.4
98 63.4 43.6 81.0



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





#19

1,1-Dichloroethane

Concen: 0.571 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.541

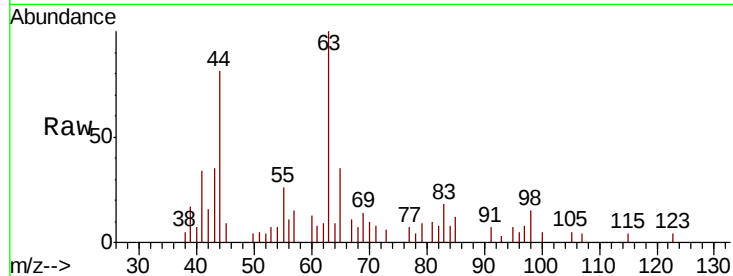
Tgt Ion: 63 Resp: 6762

Ion Ratio Lower Upper

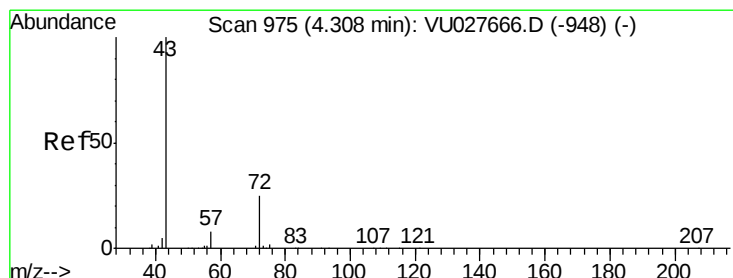
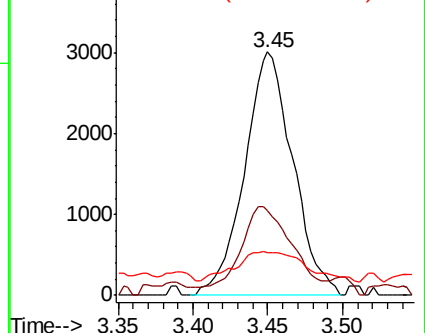
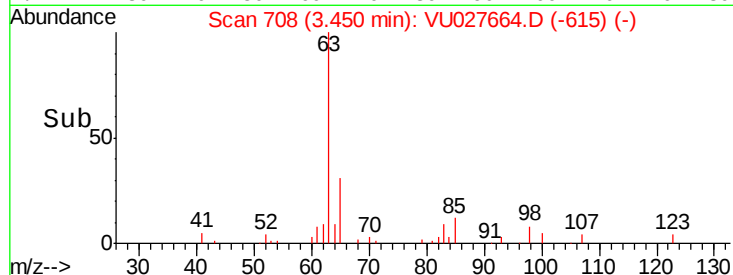
63 100

65 34.6 22.3 41.3

83 17.8 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VU027664.D (-615) (-)



#21

2-Butanone

Concen: 5.561 ug/L

RT: 4.31 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU027664.D

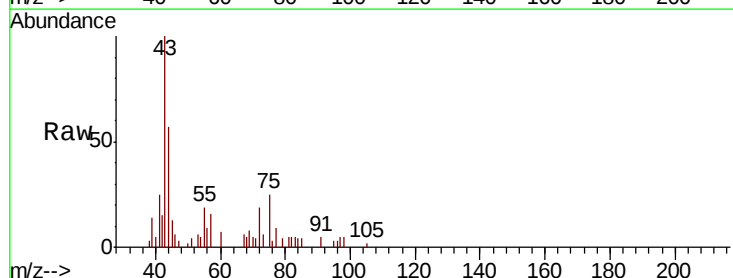
Acq: 17 Oct 2018 08:12

Tgt Ion: 43 Resp: 11552

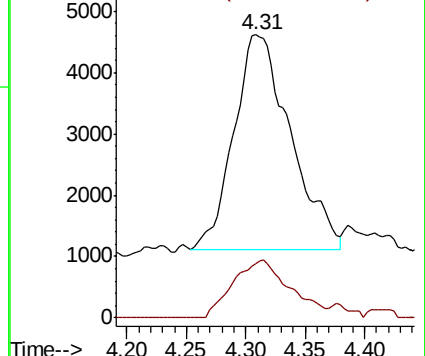
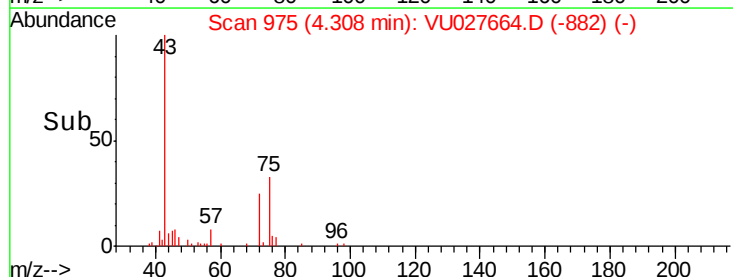
Ion Ratio Lower Upper

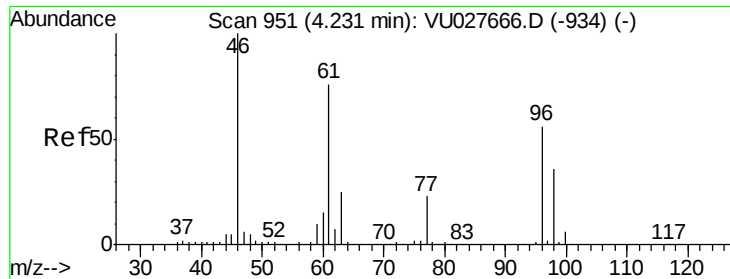
43 100

72 27.2 11.7 35.1



Abundance Ion 43.05 (42.75 to 43.75): VU027664.D (-882) (-)



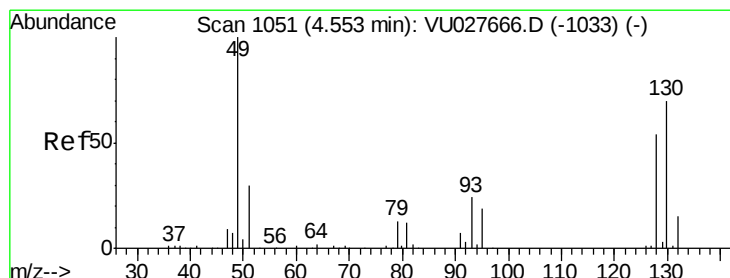
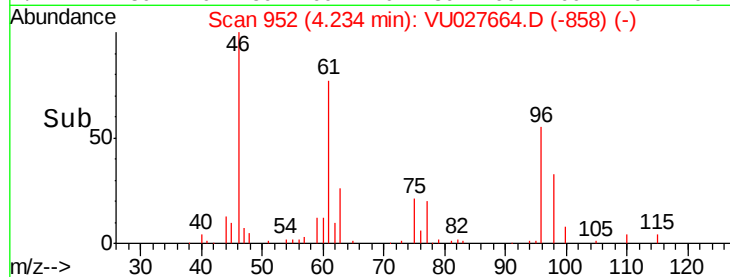
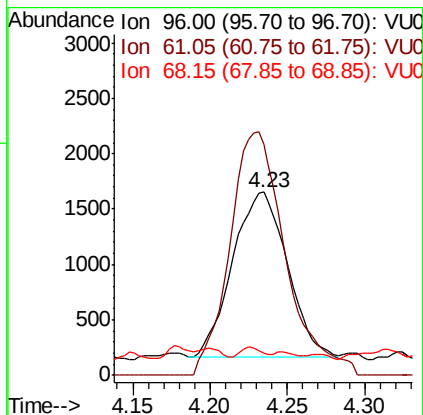
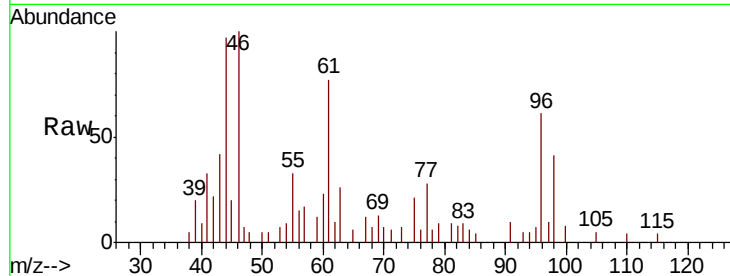


#22

cis-1,2-Dichloroethene
 Concen: 0.553 ug/L
 RT: 4.23 min Scan# 952
 Delta R.T. 0.00 min
 Lab File: VU027664.D
 Acq: 17 Oct 2018 08:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.541

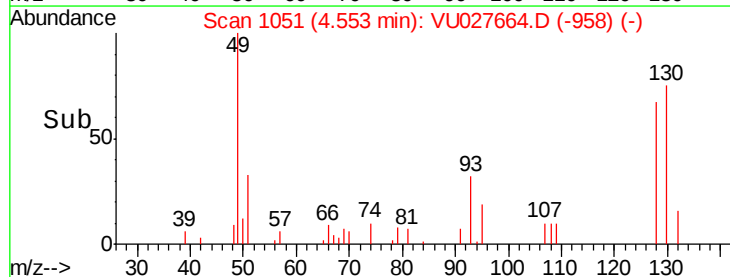
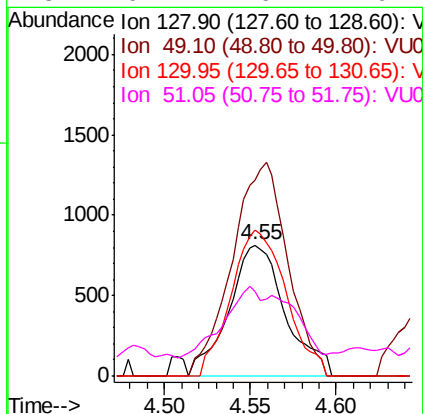
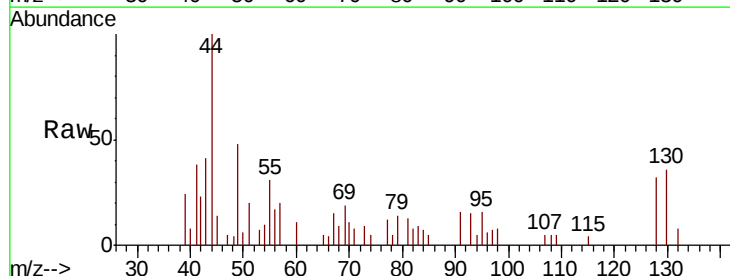
Tgt Ion: 96 Resp: 3644
 Ion Ratio Lower Upper
 96 100
 61 126.5 95.3 176.9
 68 11.8 1.1 2.1#

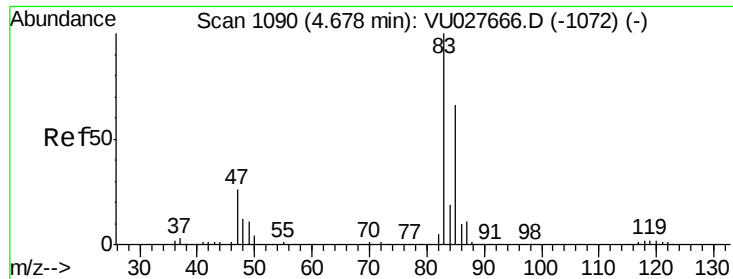


#23

Bromochloromethane
 Concen: 0.627 ug/L
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU027664.D
 Acq: 17 Oct 2018 08:12

Tgt Ion: 128 Resp: 1861
 Ion Ratio Lower Upper
 128 100
 49 149.4 130.4 242.2
 130 111.7 91.9 170.7
 51 64.2 46.7 70.1

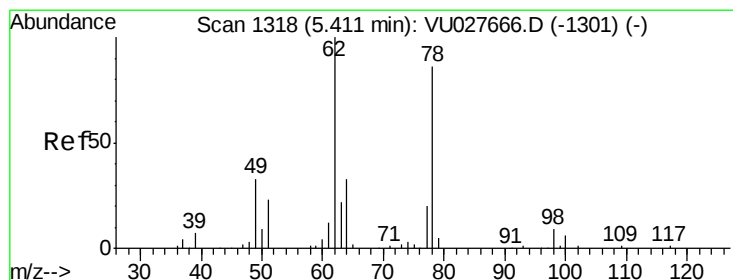
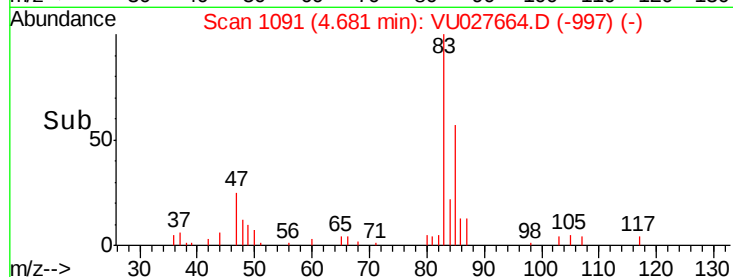
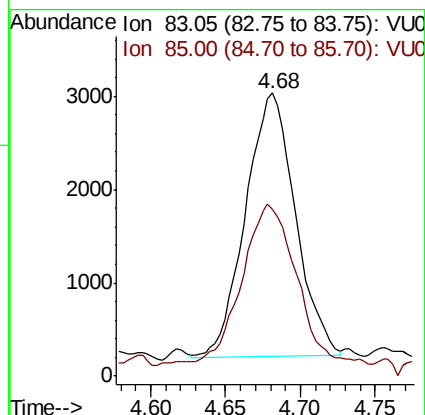
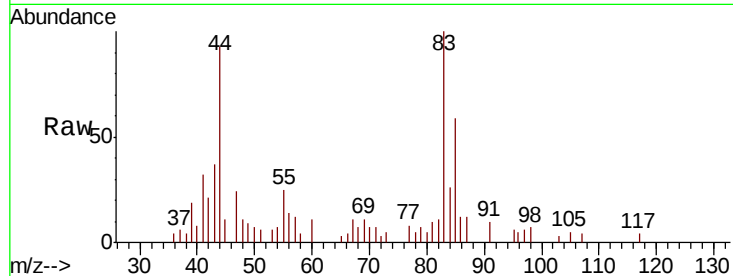




#25
Chloroform
Concen: 0.575 ug/L
RT: 4.68 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VU027664.D
Acq: 17 Oct 2018 08:12

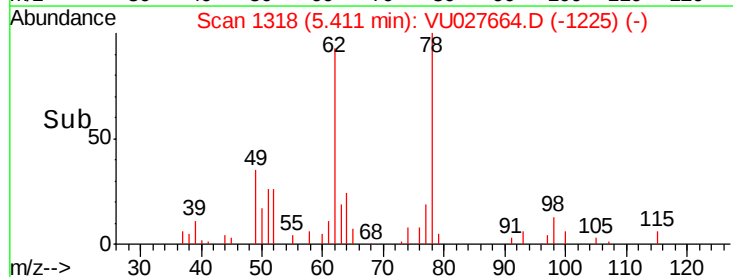
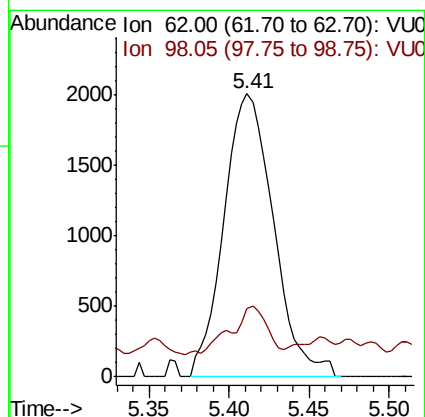
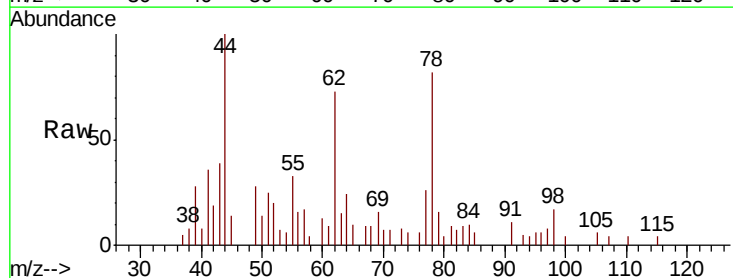
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.541

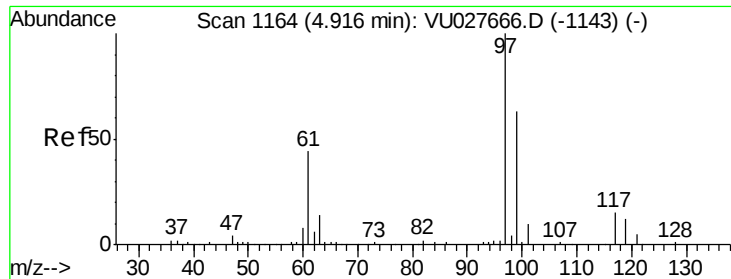
Tgt Ion: 83 Resp: 6572
Ion Ratio Lower Upper
83 100
85 59.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.589 ug/L
RT: 5.41 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VU027664.D
Acq: 17 Oct 2018 08:12

Tgt Ion: 62 Resp: 4263
Ion Ratio Lower Upper
62 100
98 24.0 8.4 12.6#

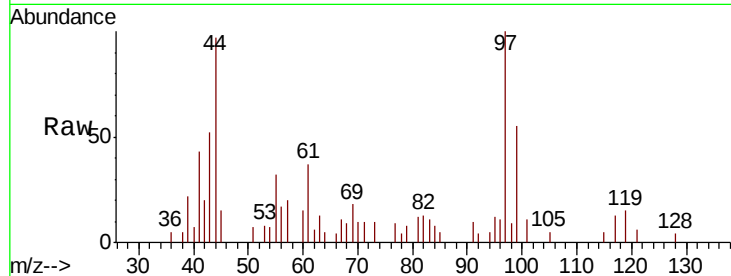




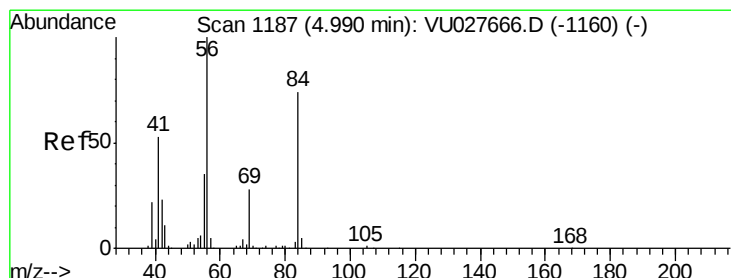
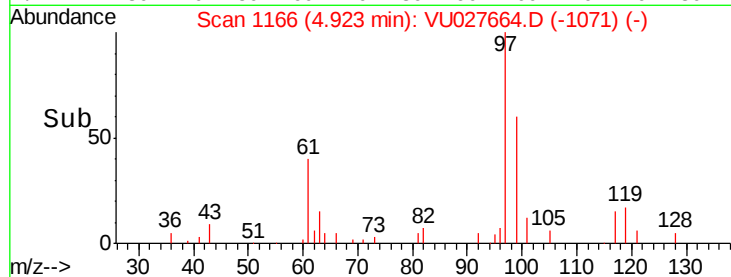
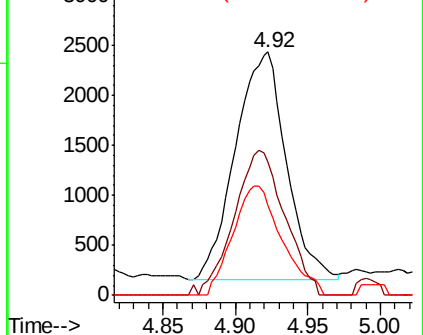
#29
 1,1,1-Trichloroethane
 Concen: 0.575 ug/L
 RT: 4.92 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VU027664.D
 Acq: 17 Oct 2018 08:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.541

Tgt Ion: 97 Resp: 5573
 Ion Ratio Lower Upper
 97 100
 99 63.1 51.4 77.2
 61 46.1 35.7 53.5

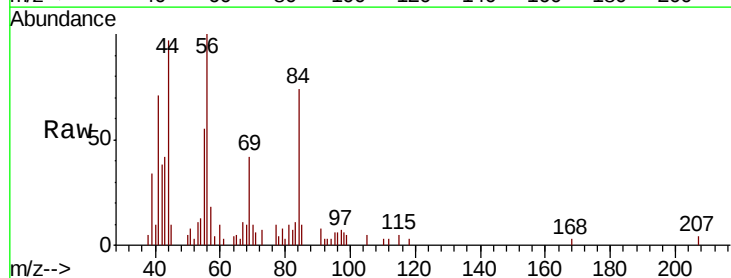


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

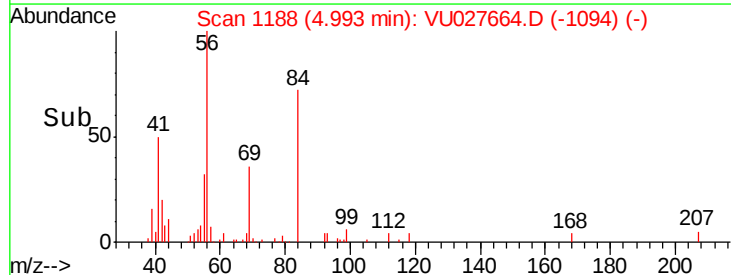
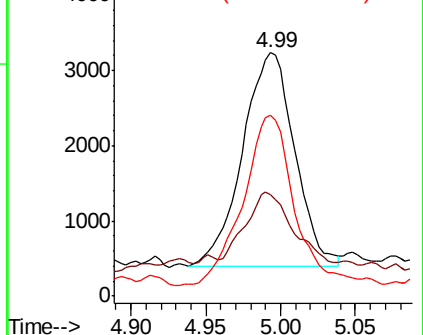


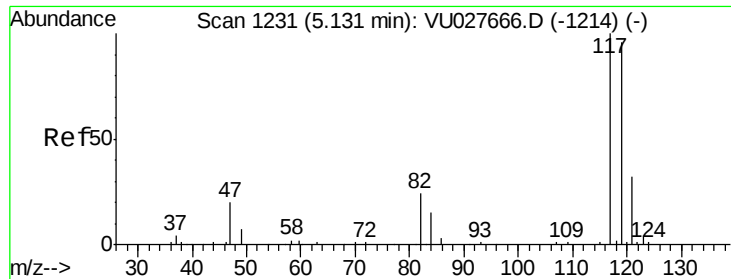
#30
 Cyclohexane
 Concen: 0.566 ug/L
 RT: 4.99 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU027664.D
 Acq: 17 Oct 2018 08:12

Tgt Ion: 56 Resp: 6893
 Ion Ratio Lower Upper
 56 100
 69 31.7 23.4 35.2
 84 77.7 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: 0.586 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

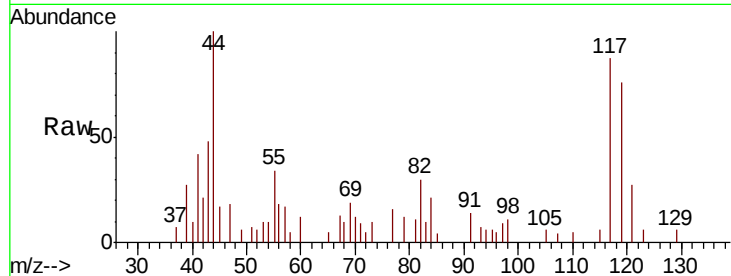
VSTD0.541

Tgt Ion:117 Resp: 5147

Ion Ratio Lower Upper

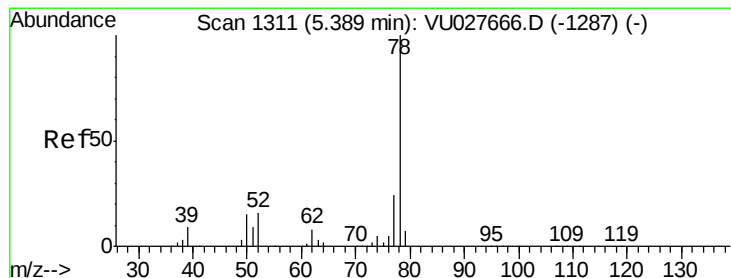
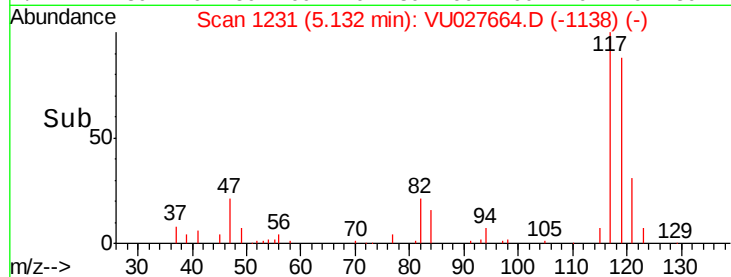
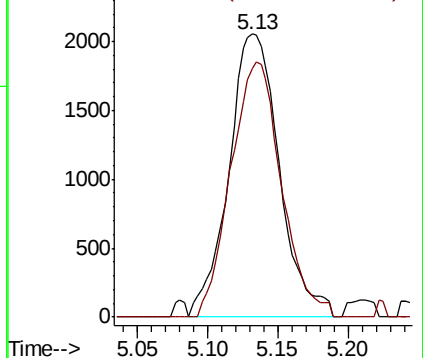
117 100

119 90.1 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: 0.576 ug/L

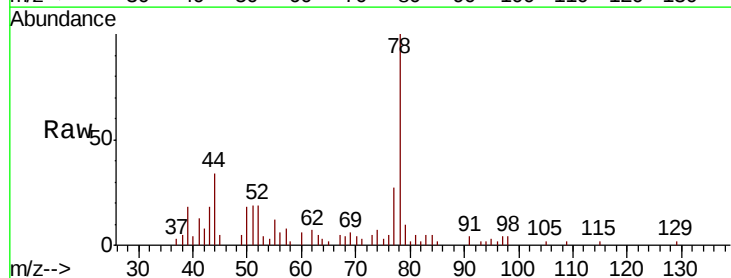
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

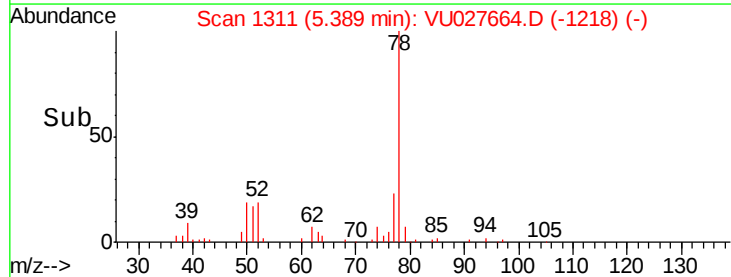
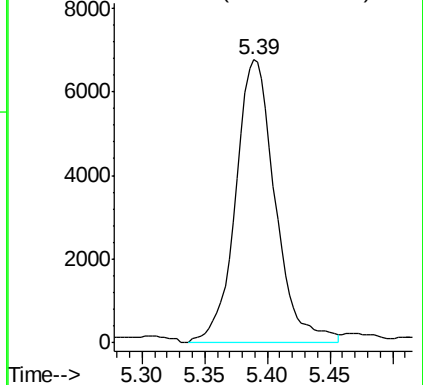
Lab File: VU027664.D

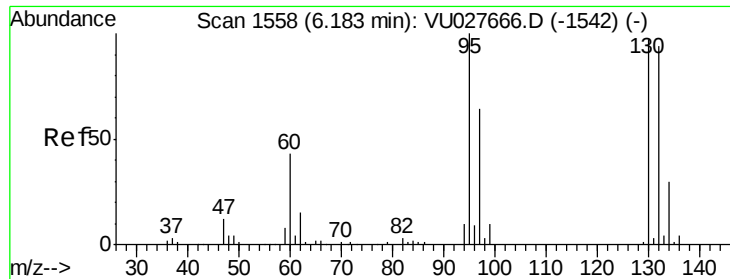
Acq: 17 Oct 2018 08:12

Tgt Ion: 78 Resp: 14916



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.540 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.541

Tgt Ion: 95 Resp: 3618

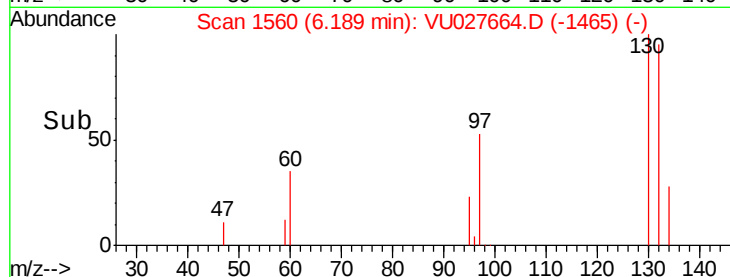
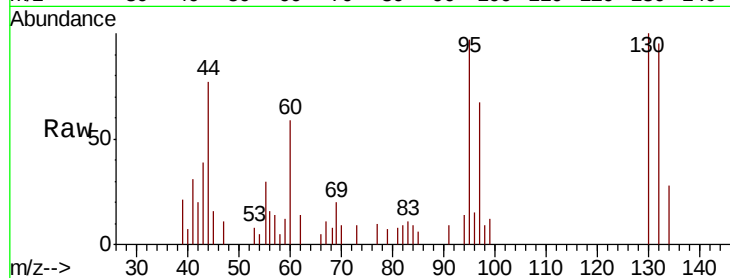
Ion Ratio Lower Upper

95 100

97 68.7 44.7 83.1

132 97.8 65.9 122.5

130 103.3 67.9 126.1

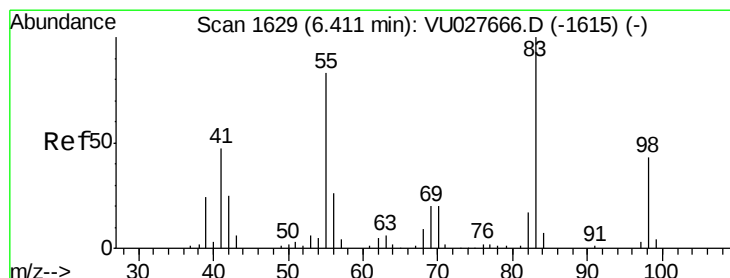
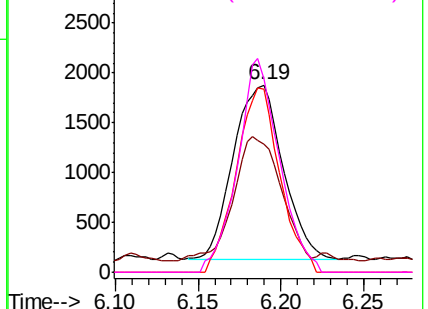


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.549 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

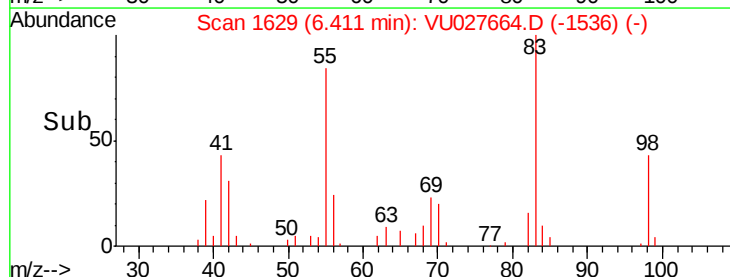
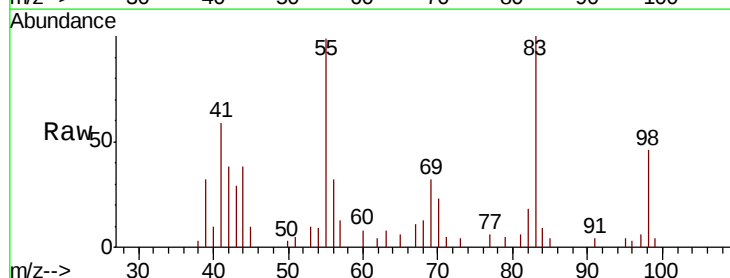
Tgt Ion: 83 Resp: 6335

Ion Ratio Lower Upper

83 100

55 92.4 69.0 103.4

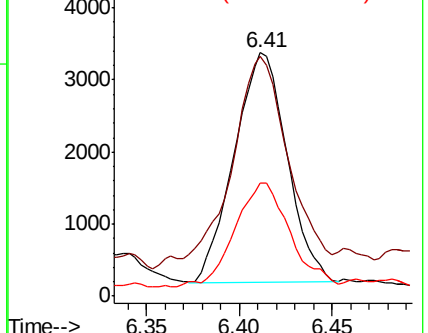
98 47.7 35.4 53.2

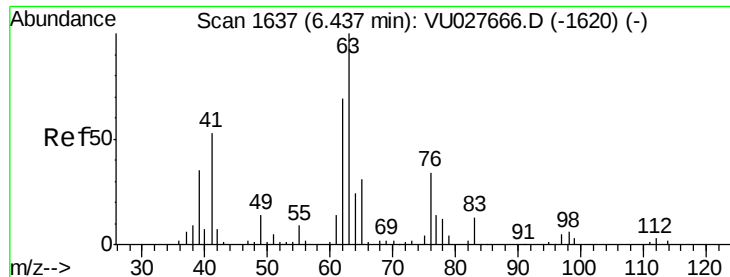


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.565 ug/L

RT: 6.44 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

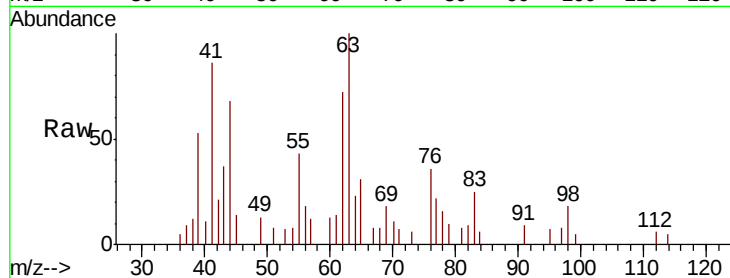
VSTD0.541

Tgt Ion: 63 Resp: 4195

Ion Ratio Lower Upper

63 100

112 4.9 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VU027666.D (-1620) (-)

Ion 112.10 (111.80 to 112.80): VU027666.D (-1620) (-)

6.44

2500

2000

1500

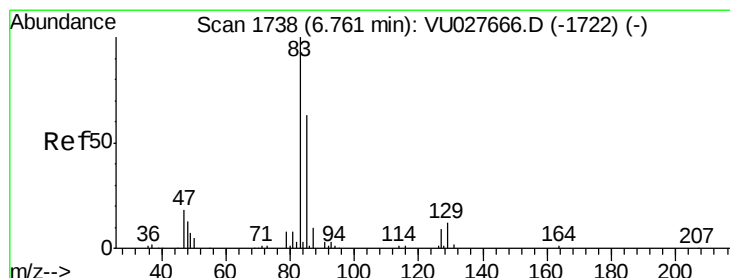
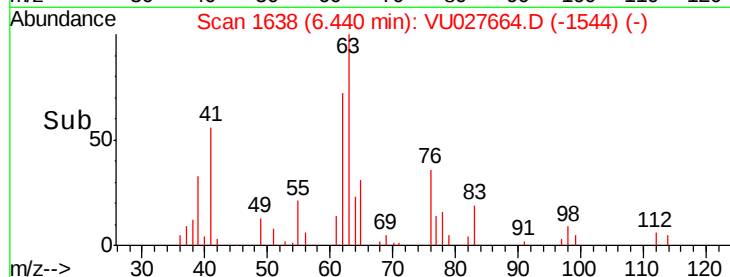
1000

500

0

6.40 6.45 6.50

Time-->



#38

Bromodichloromethane

Concen: 0.594 ug/L

RT: 6.76 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

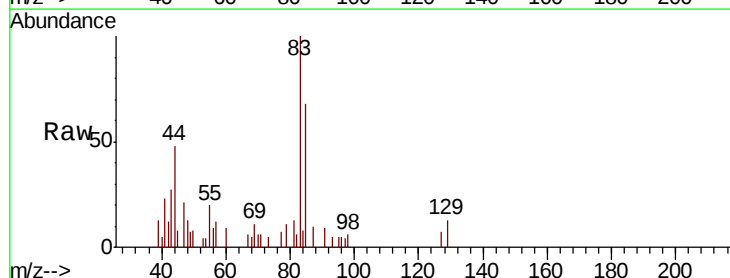
Tgt Ion: 83 Resp: 5129

Ion Ratio Lower Upper

83 100

85 67.7 43.7 81.1

127 7.4 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VU027666.D (-1722) (-)

Ion 85.00 (84.70 to 85.70): VU027666.D (-1722) (-)

Ion 126.90 (126.60 to 127.60): VU027666.D (-1722) (-)

6.76

3000

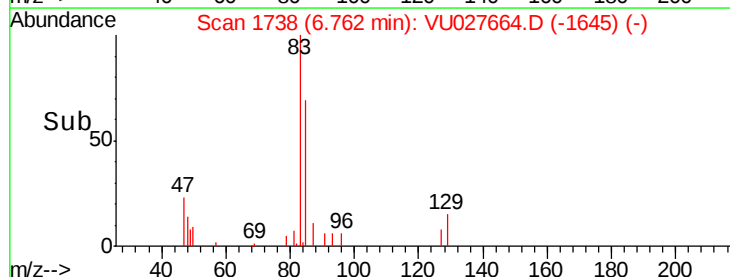
2000

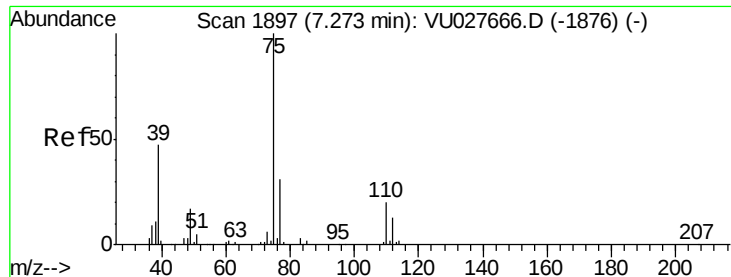
1000

0

6.70 6.75 6.80

Time-->





#39

cis-1,3-Dichloropropene

Concen: 0.523 ug/L

RT: 7.28 min Scan# 1898

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

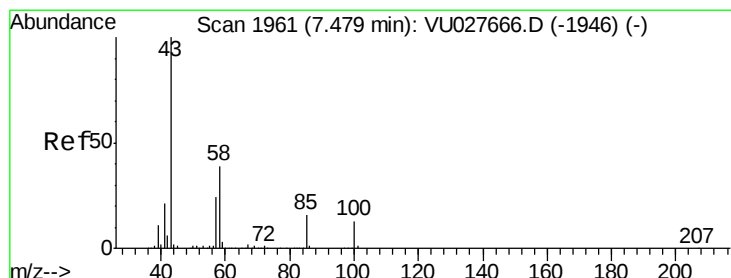
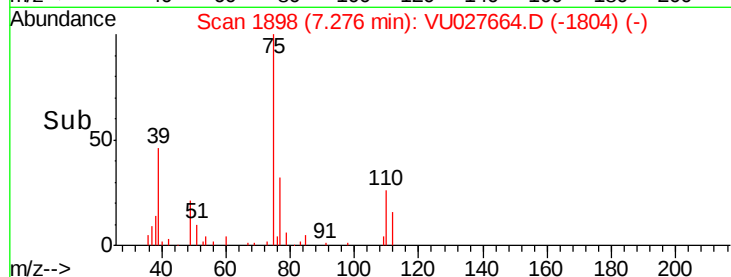
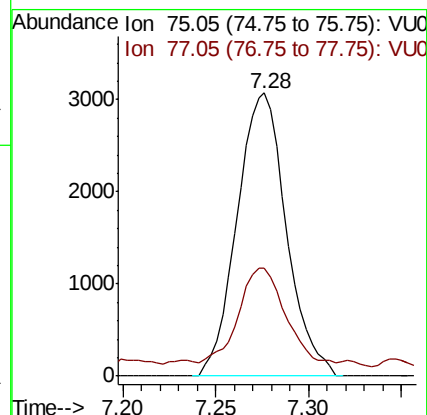
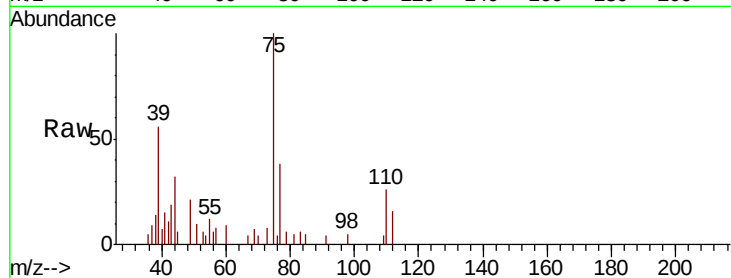
VSTD0.541

Tgt Ion: 75 Resp: 5656

Ion Ratio Lower Upper

75 100

77 38.1 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 5.624 ug/L

RT: 7.48 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

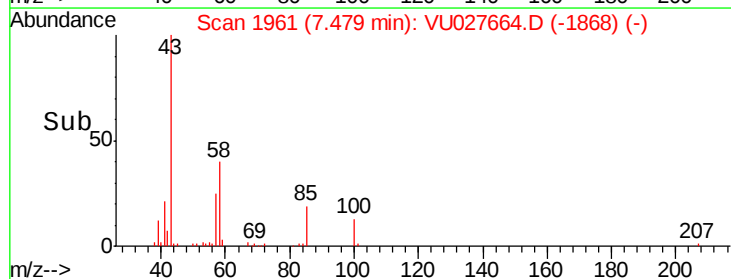
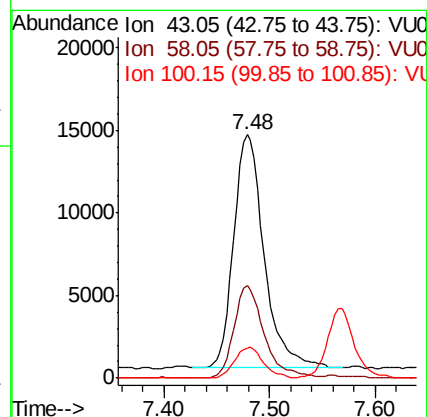
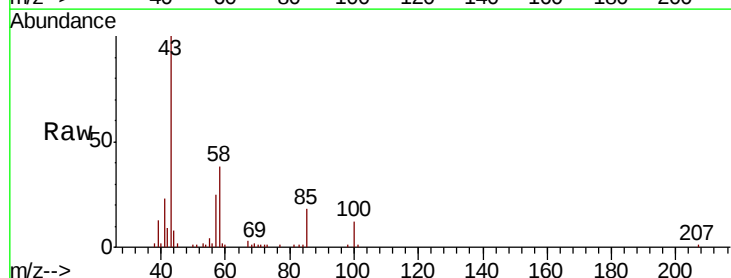
Tgt Ion: 43 Resp: 28204

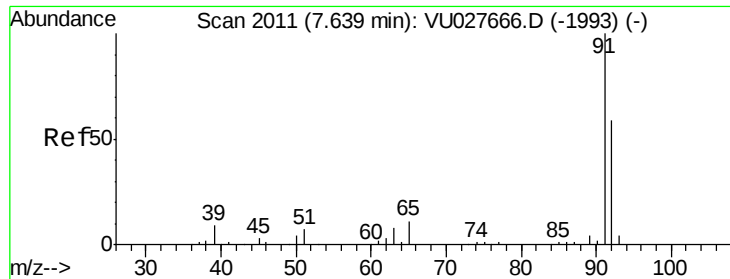
Ion Ratio Lower Upper

43 100

58 39.5 30.4 45.6

100 12.5 10.2 15.4





#42

Toluene

Concen: 0.554 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

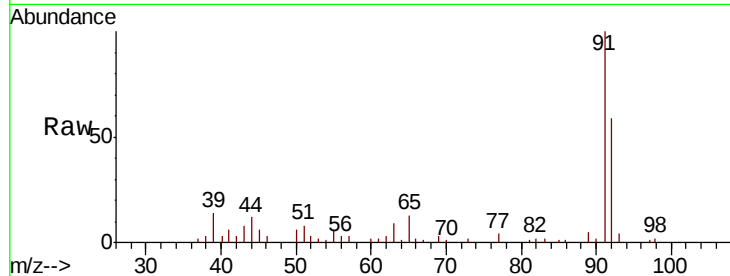
VSTD0.541

Tgt Ion: 91 Resp: 15402

Ion Ratio Lower Upper

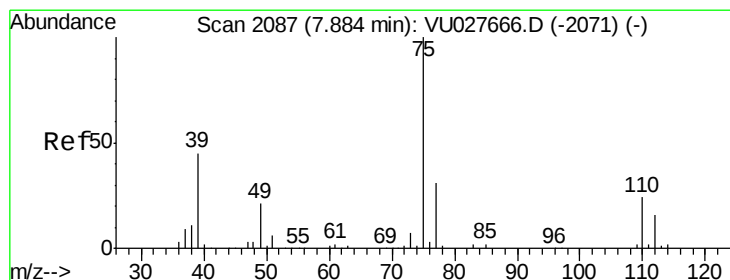
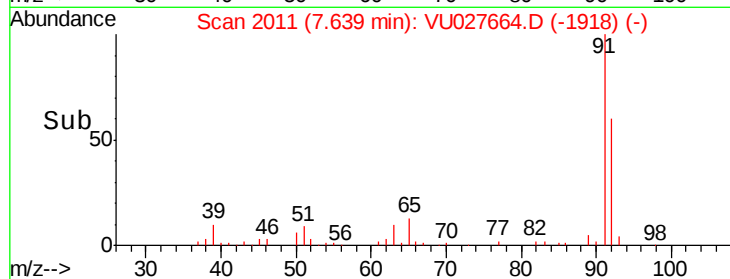
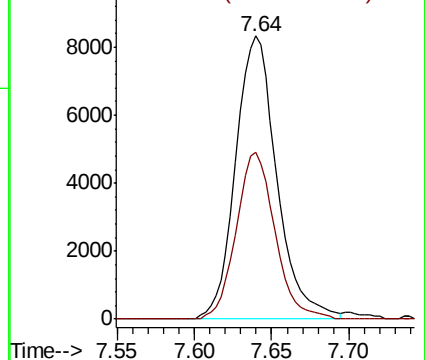
91 100

92 58.8 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: 0.548 ug/L

RT: 7.89 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VU027664.D

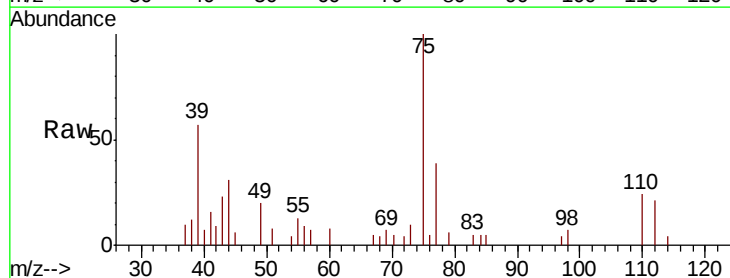
Acq: 17 Oct 2018 08:12

Tgt Ion: 75 Resp: 4890

Ion Ratio Lower Upper

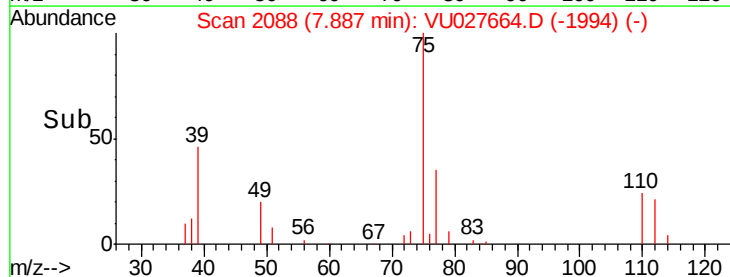
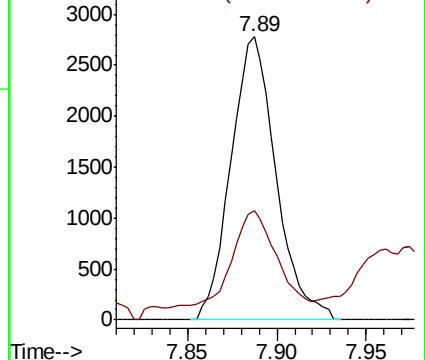
75 100

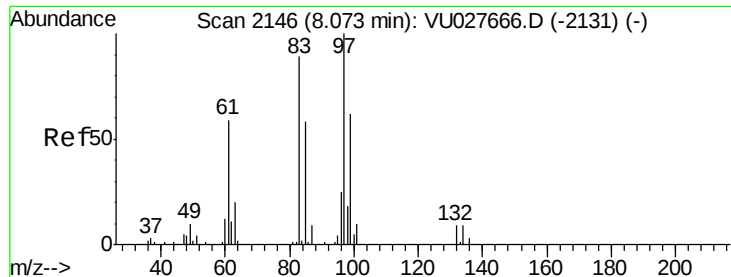
77 38.6 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

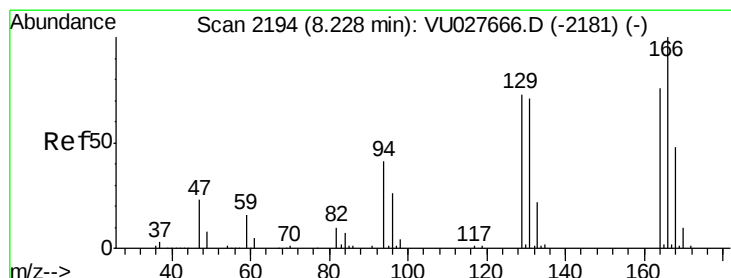
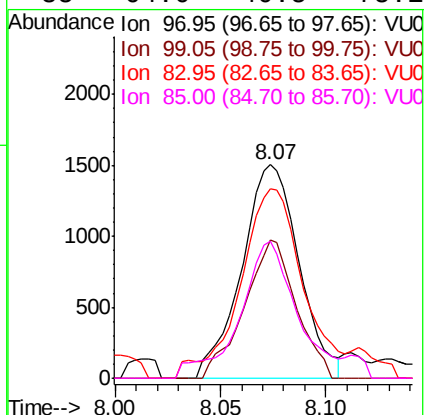
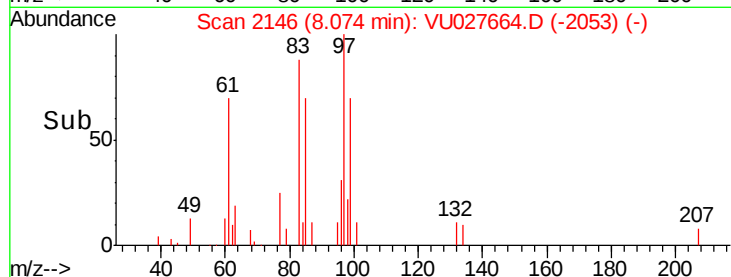
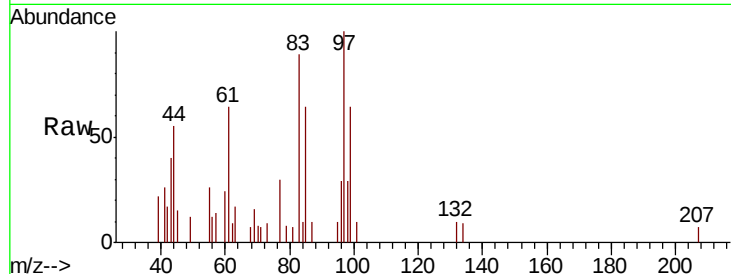




#45
 1,1,2-Trichloroethane
 Concen: 0.596 ug/L
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.00 min
 Lab File: VU027664.D
 Acq: 17 Oct 2018 08:12

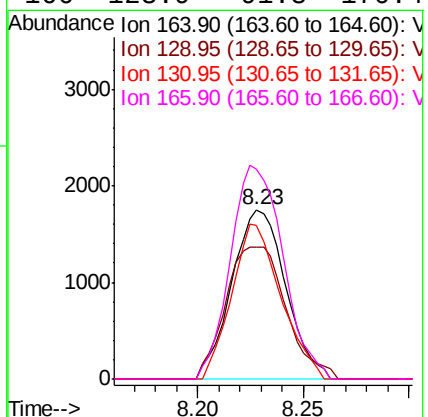
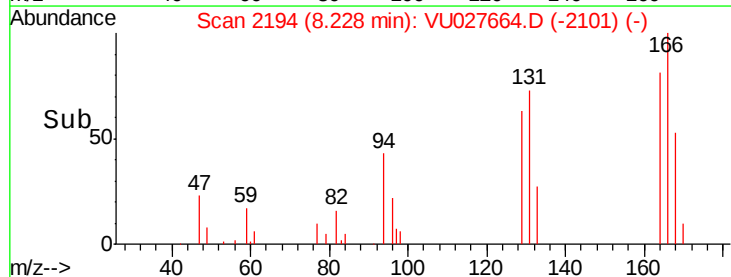
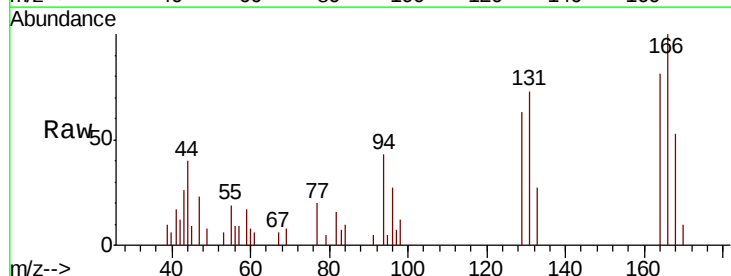
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.541

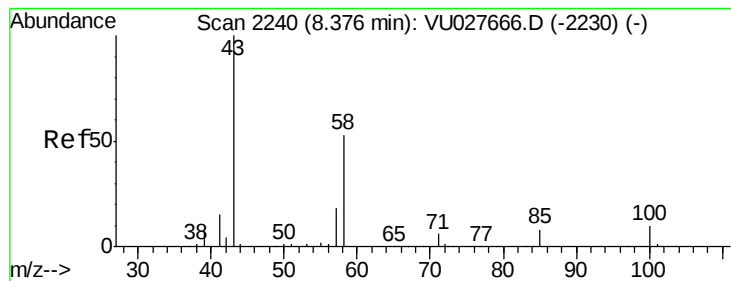
Tgt Ion:	97	Resp:	2849
Ion	Ratio	Lower	Upper
97	100		
99	64.5	43.5	80.7
83	88.5	62.0	115.2
85	64.0	40.5	75.1



#47
 Tetrachloroethene
 Concen: 0.581 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VU027664.D
 Acq: 17 Oct 2018 08:12

Tgt Ion:	164	Resp:	3107
Ion	Ratio	Lower	Upper
164	100		
129	78.1	67.3	124.9
131	90.5	64.8	120.3
166	123.9	91.8	170.4





#48

2-Hexanone

Concen: 5.444 ug/L

RT: 8.38 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.541

Tgt Ion: 43 Resp: 19559

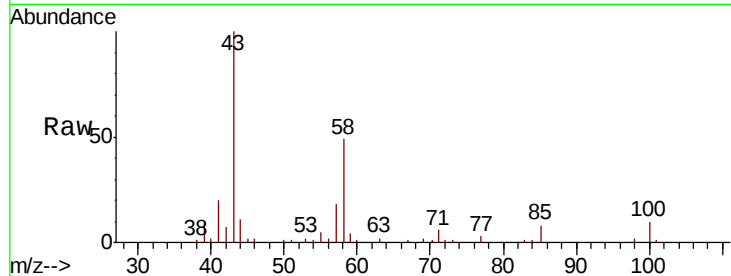
Ion Ratio Lower Upper

43 100

58 57.5 42.7 64.1

57 18.4 14.5 21.7

100 10.8 8.1 12.1

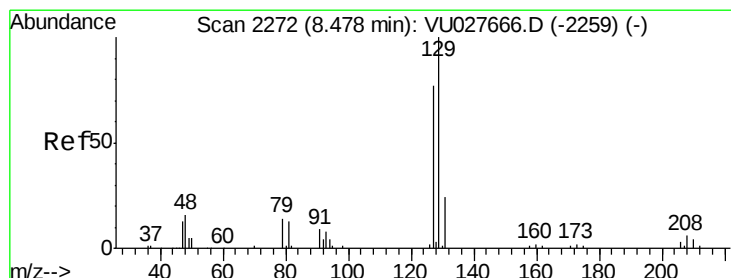
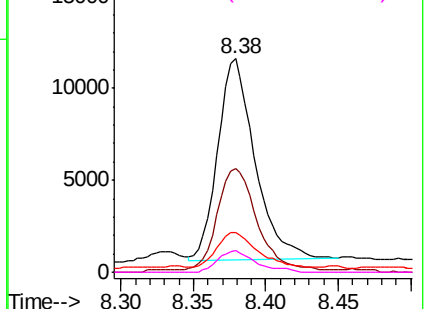
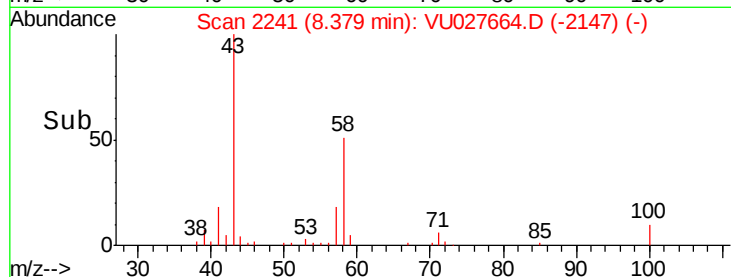


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.555 ug/L

RT: 8.48 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VU027664.D

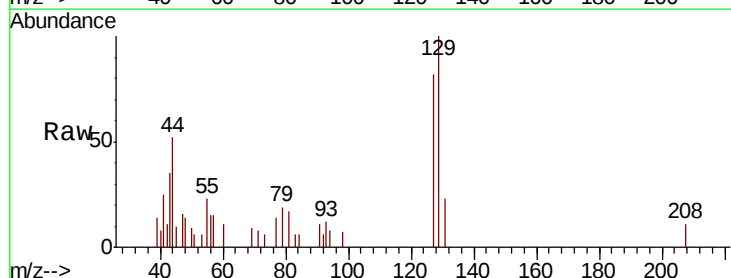
Acq: 17 Oct 2018 08:12

Tgt Ion: 129 Resp: 3295

Ion Ratio Lower Upper

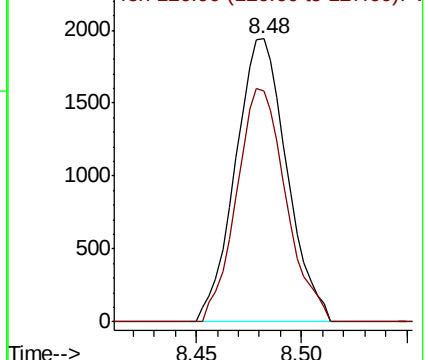
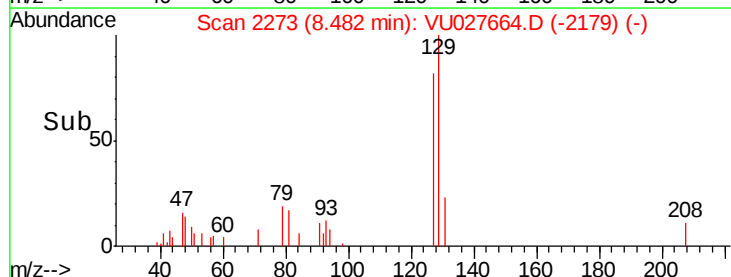
129 100

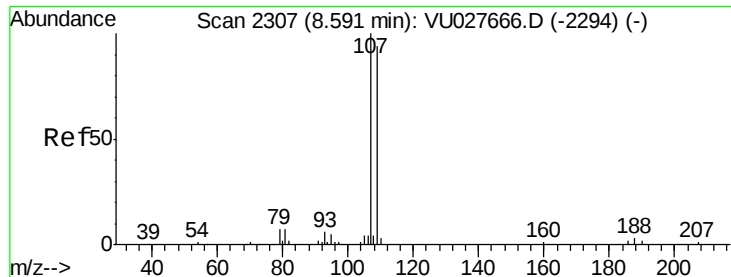
127 81.6 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 0.557 ug/L

RT: 8.59 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.541

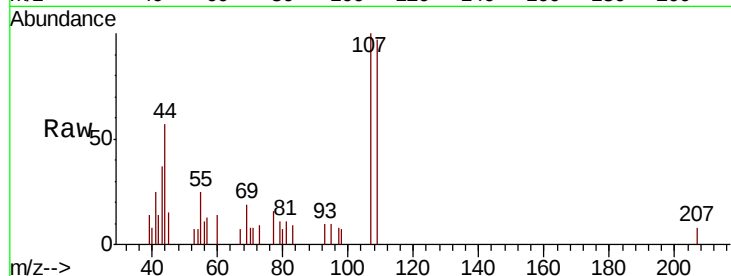
Tgt Ion:107 Resp: 2495

Ion Ratio Lower Upper

107 100

109 97.4 66.1 122.7

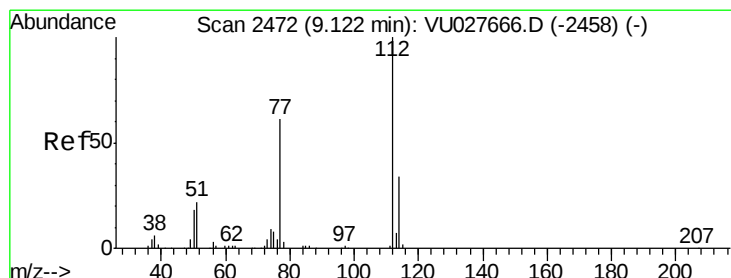
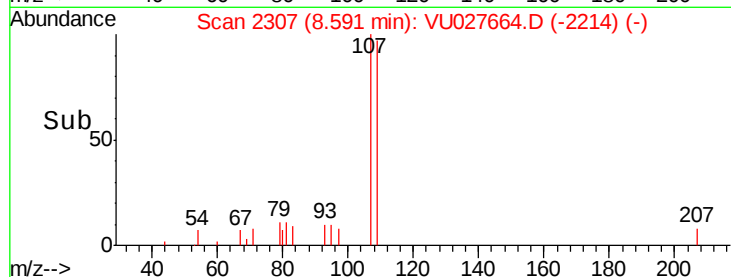
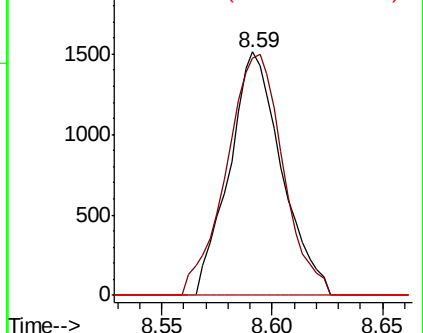
188 0.0 2.6 4.0#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.555 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

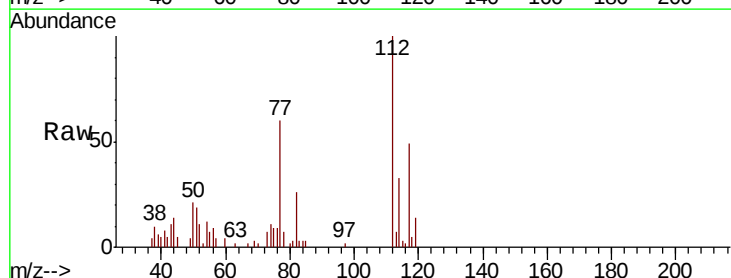
Tgt Ion:112 Resp: 9467

Ion Ratio Lower Upper

112 100

114 33.0 23.4 43.6

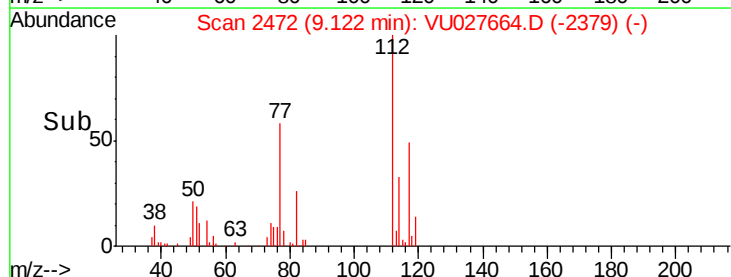
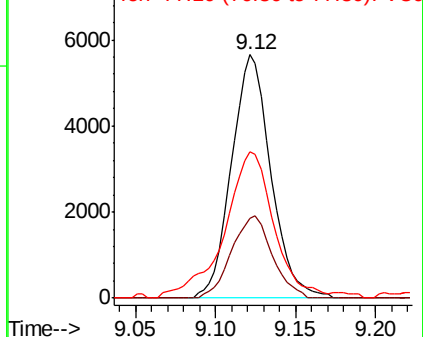
77 60.3 49.5 74.3

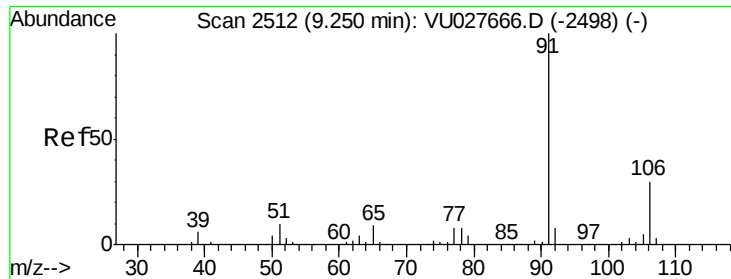


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.551 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampled :

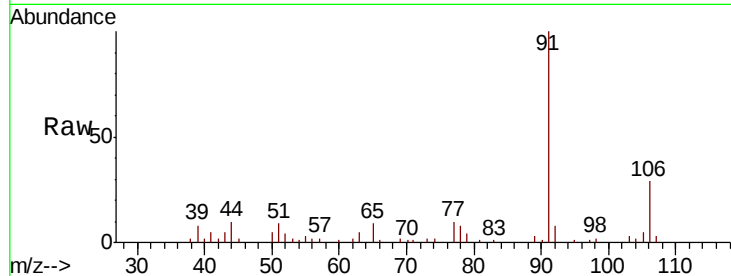
VSTD0.541

Tgt Ion: 91 Resp: 16977

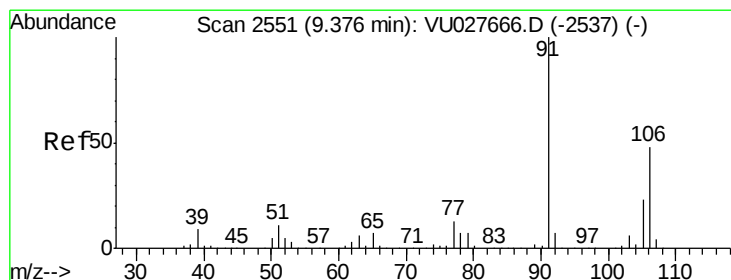
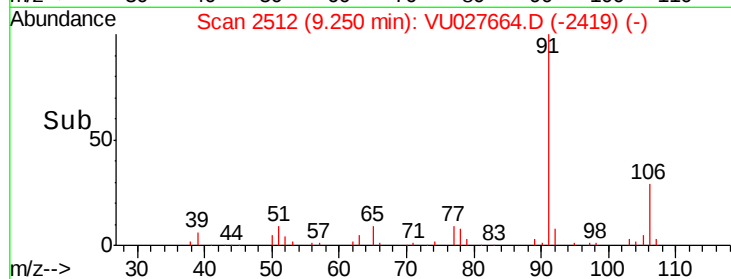
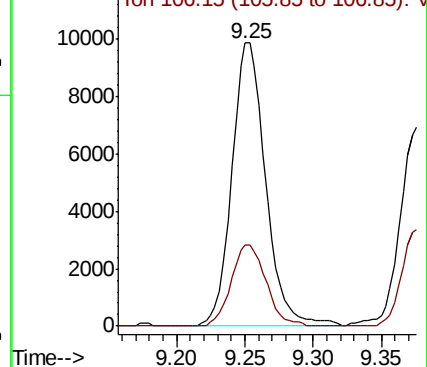
Ion Ratio Lower Upper

91 100

106 28.7 20.9 38.9



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



#53

m,p-xylene

Concen: 0.537 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027664.D

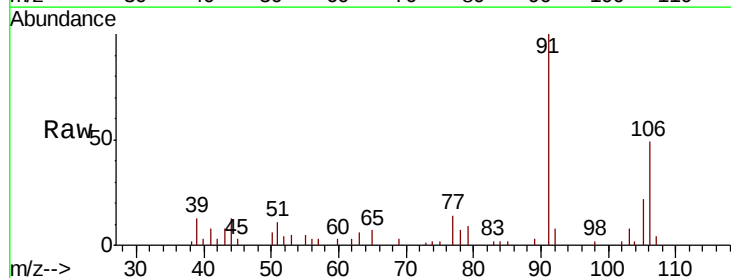
Acq: 17 Oct 2018 08:12

Tgt Ion: 106 Resp: 6153

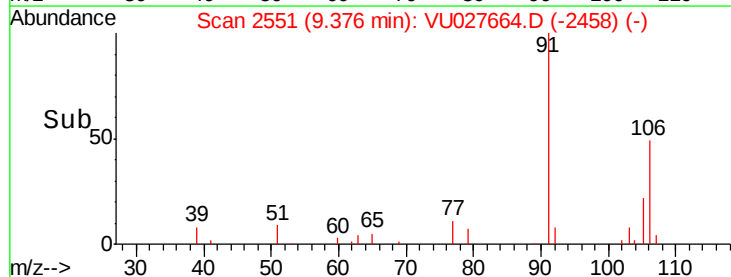
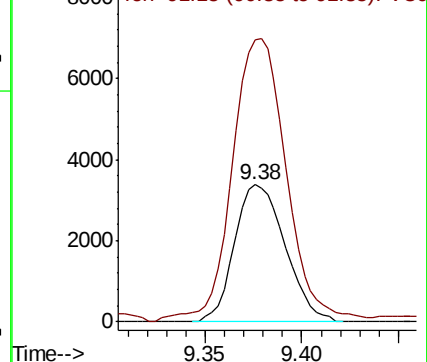
Ion Ratio Lower Upper

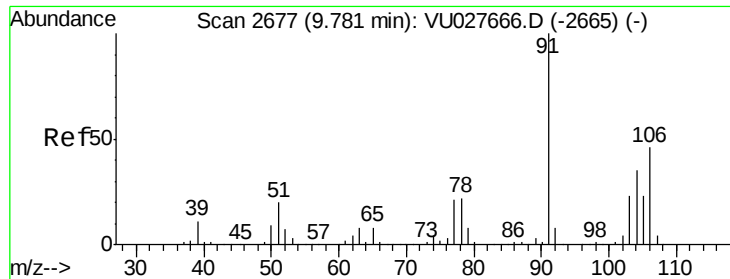
106 100

91 204.9 146.8 272.6



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





#54

o-xylene

Concen: 0.558 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

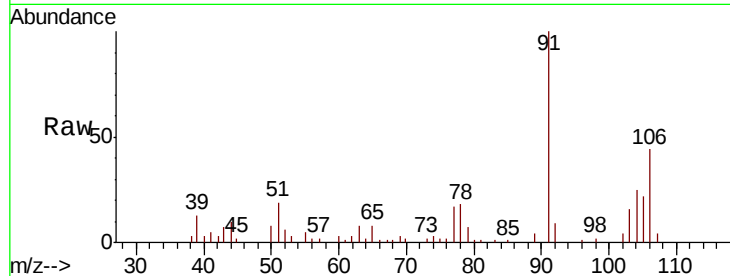
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.541

Tgt Ion:106 Resp: 6285

Ion Ratio Lower Upper

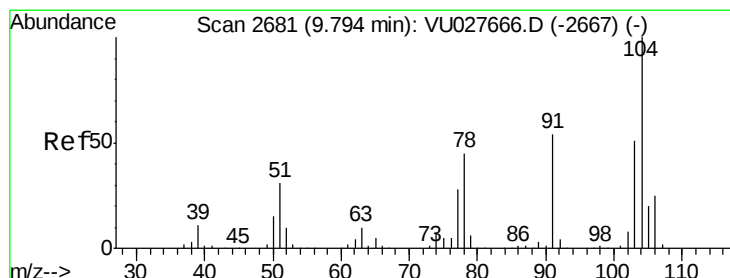
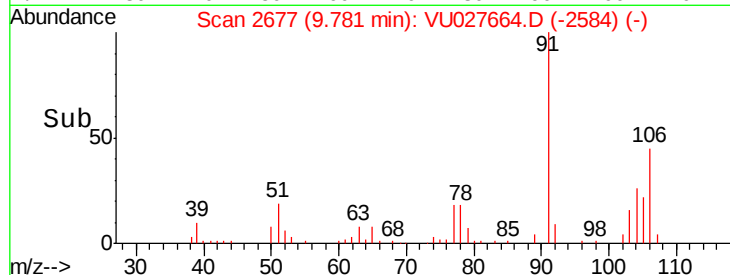
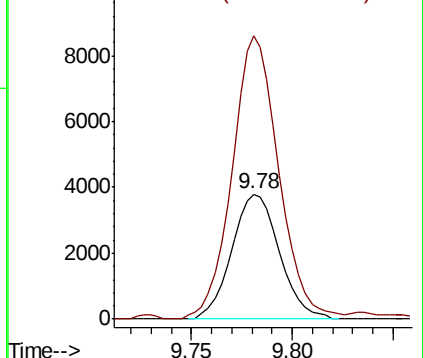
106 100

91 226.8 153.5 285.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.539 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027664.D

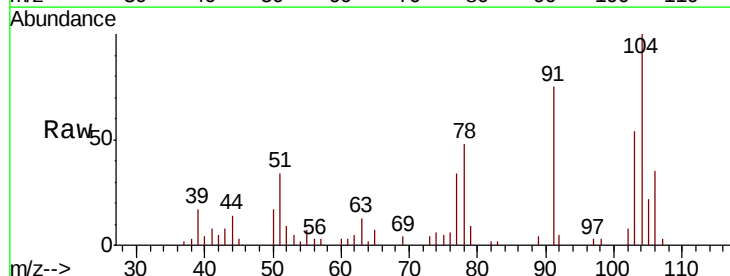
Acq: 17 Oct 2018 08:12

Tgt Ion:104 Resp: 10200

Ion Ratio Lower Upper

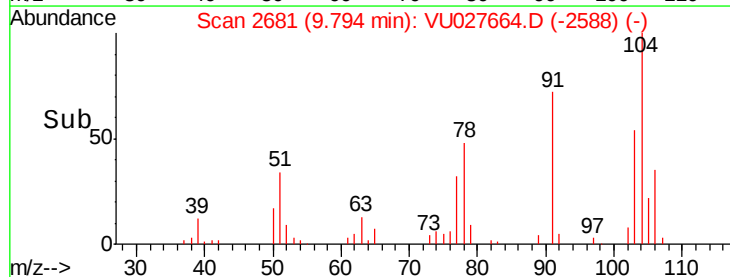
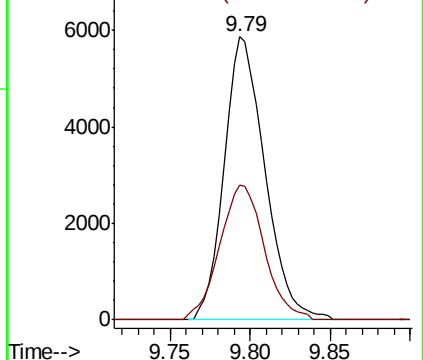
104 100

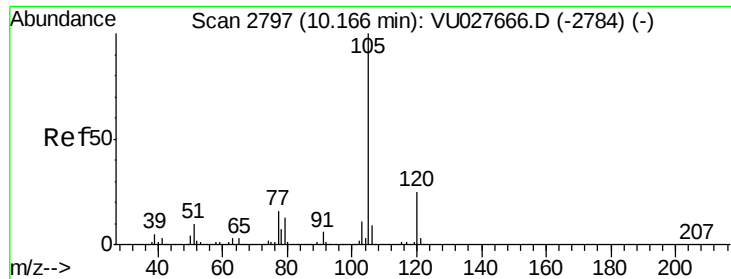
78 47.9 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.549 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.541

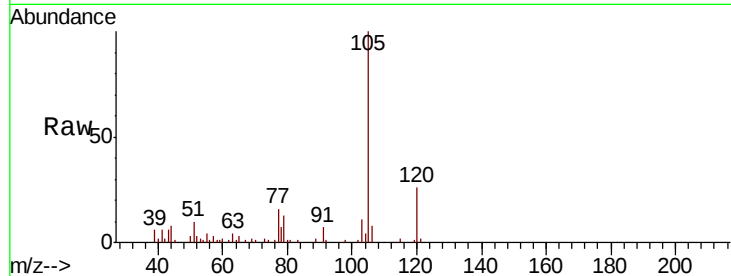
Tgt Ion:105 Resp: 16433

Ion Ratio Lower Upper

105 100

120 25.0 20.8 31.2

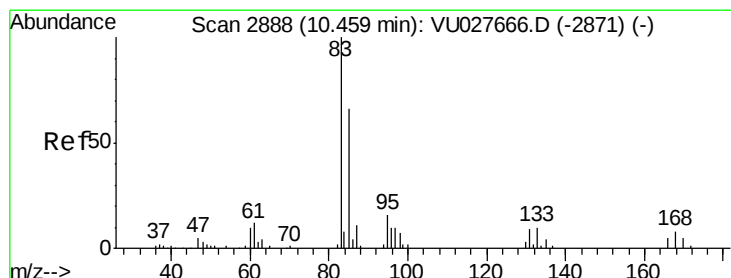
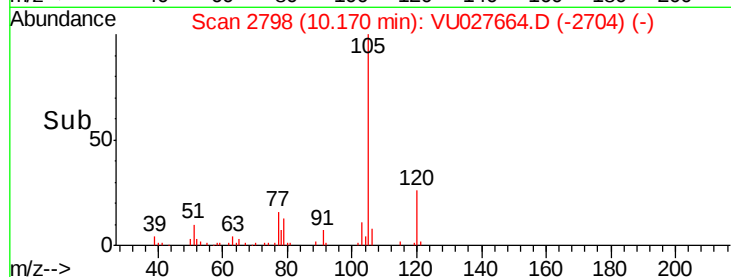
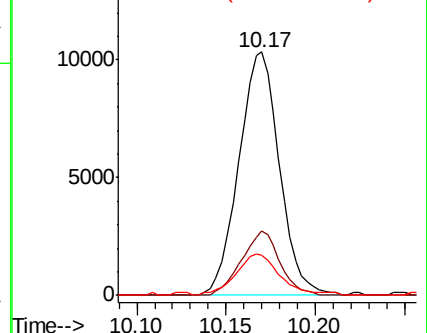
77 18.5 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.656 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

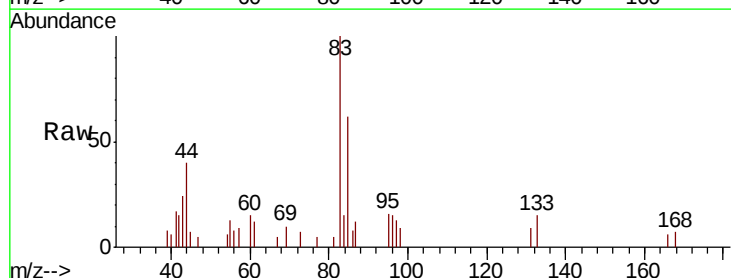
Tgt Ion: 83 Resp: 4099

Ion Ratio Lower Upper

83 100

85 61.9 46.1 85.7

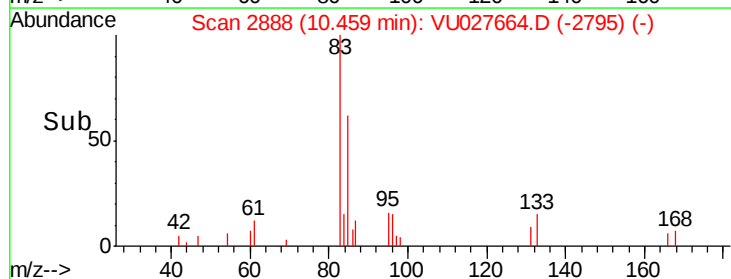
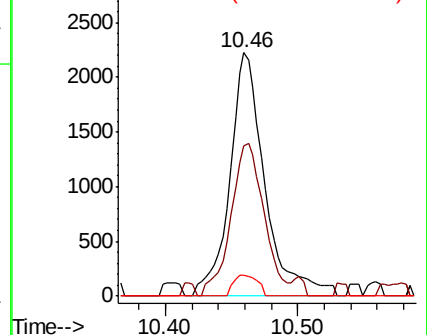
131 8.7 7.0 10.4

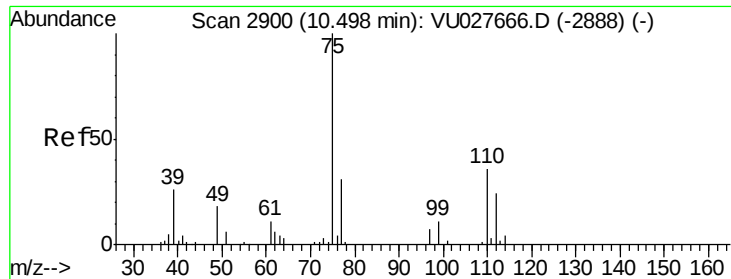


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

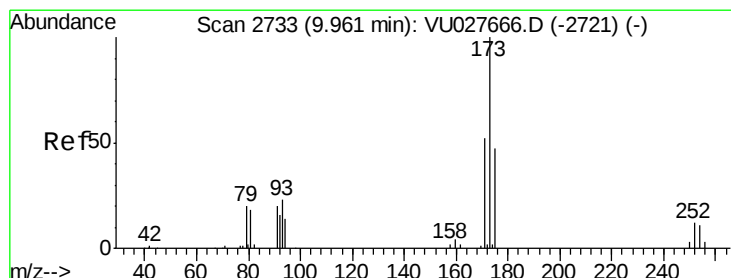
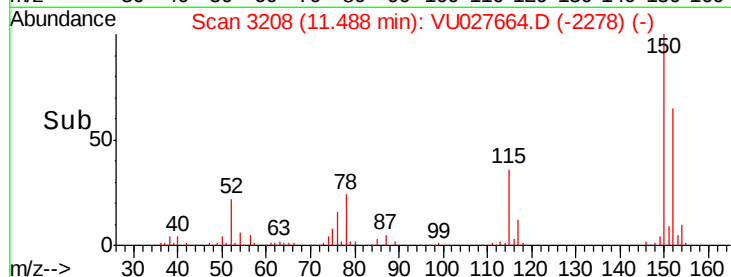
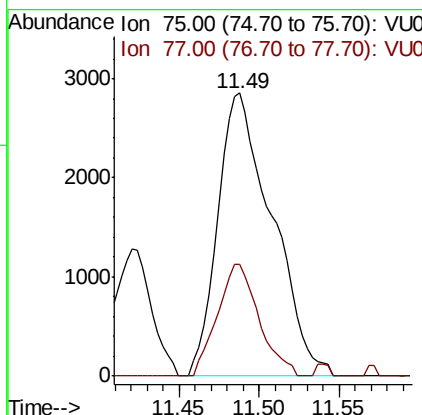
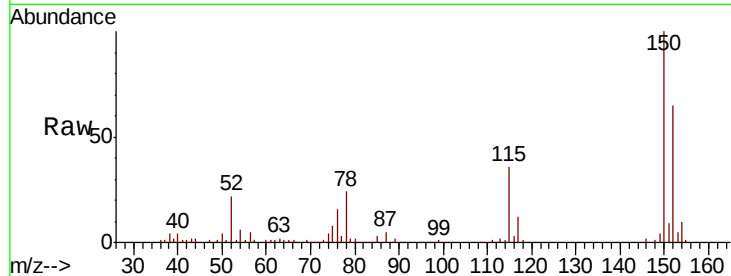




#59
 1,2,3-Trichloropropane
 Concen: 1.558 ug/L
 RT: 11.49 min Scan# 3208
 Delta R.T. 0.99 min
 Lab File: VU027664.D
 Acq: 17 Oct 2018 08:12

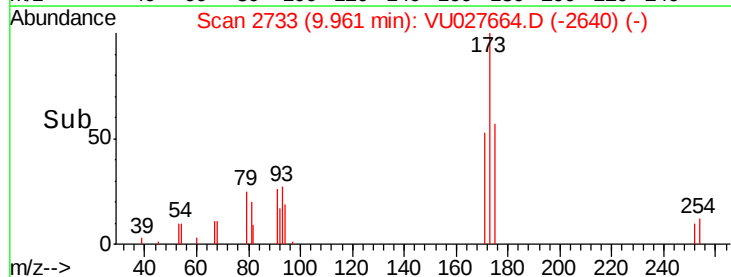
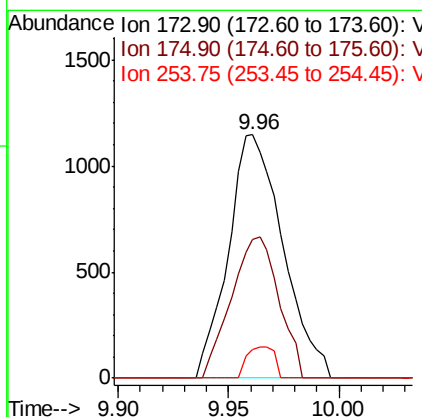
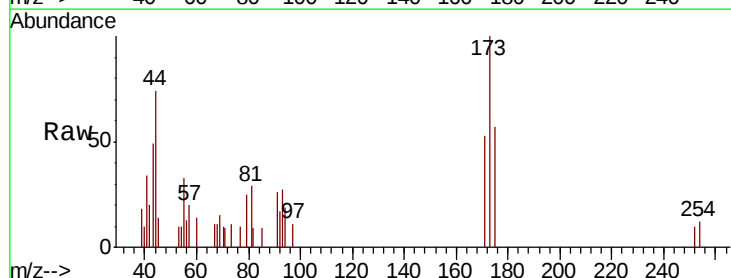
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.541

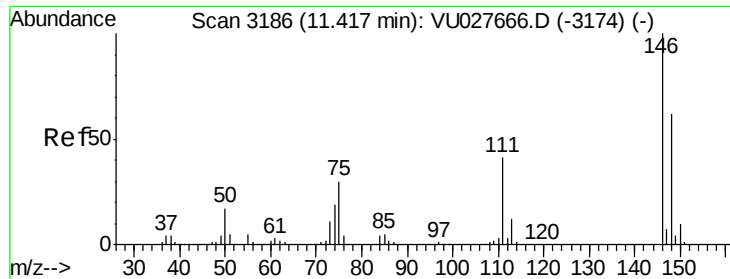
Tgt Ion: 75 Resp: 6652
 Ion Ratio Lower Upper
 75 100
 77 30.2 26.9 40.3



#61
 Bromoform
 Concen: 0.573 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU027664.D
 Acq: 17 Oct 2018 08:12

Tgt Ion: 173 Resp: 1973
 Ion Ratio Lower Upper
 173 100
 175 50.4 38.2 57.2
 254 6.5 8.3 12.5#

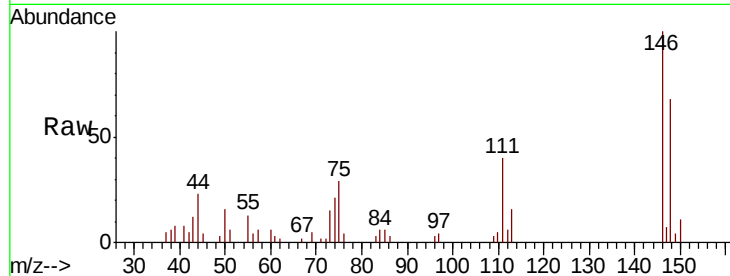




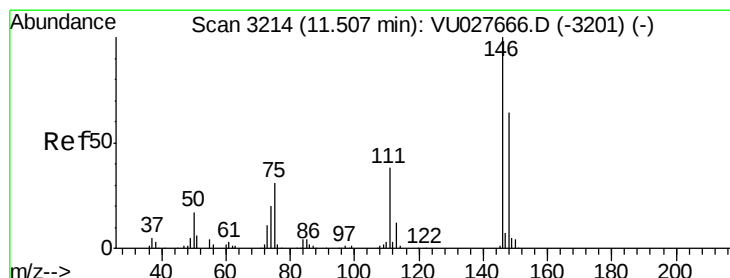
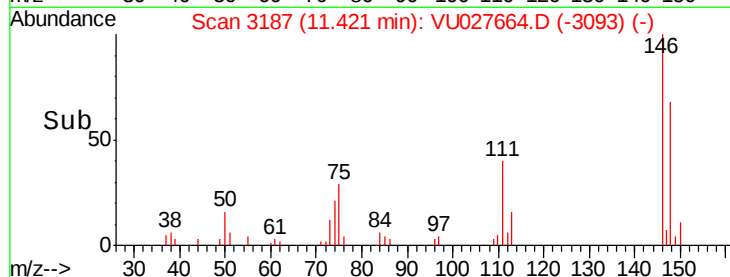
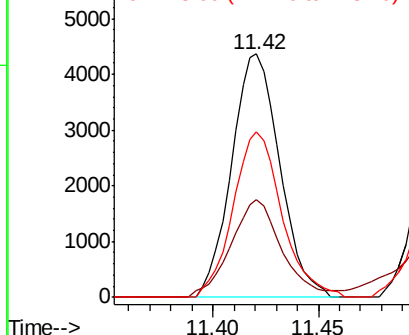
#62
 1,3-Dichlorobenzene
 Concen: 0.542 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027664.D
 Acq: 17 Oct 2018 08:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.541

Tgt Ion:146 Resp: 6917
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.6 53.0
 148 67.7 43.6 81.0

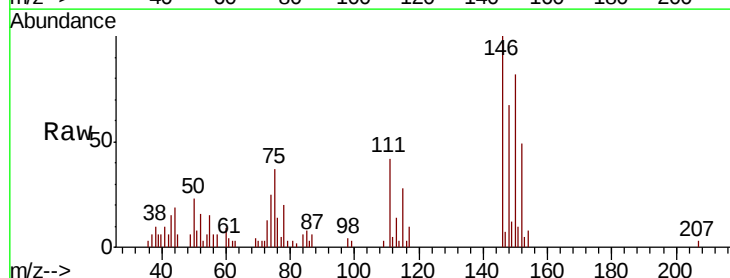


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

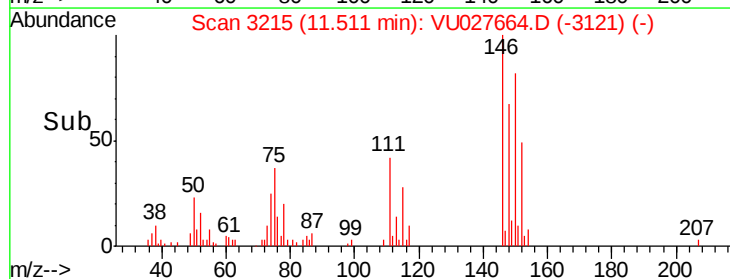
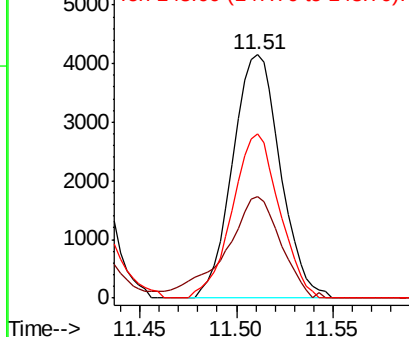


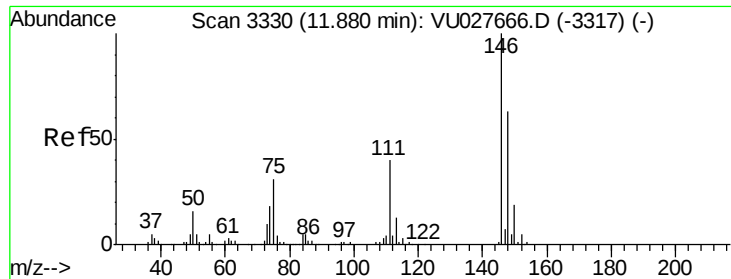
#63
 1,4-Dichlorobenzene
 Concen: 0.556 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027664.D
 Acq: 17 Oct 2018 08:12

Tgt Ion:146 Resp: 7122
 Ion Ratio Lower Upper
 146 100
 111 41.6 26.5 49.1
 148 67.4 45.2 84.0



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

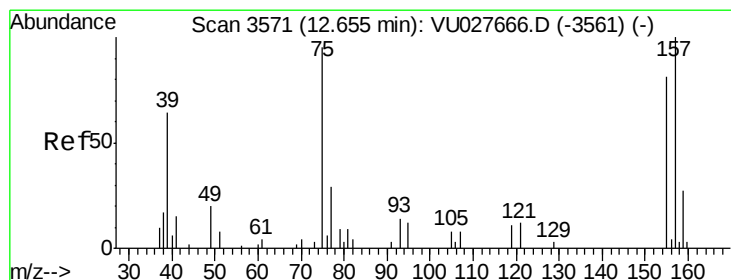
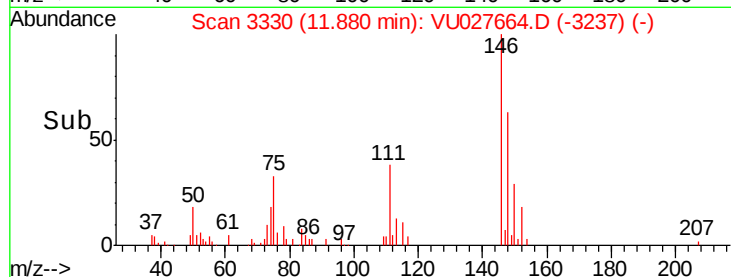
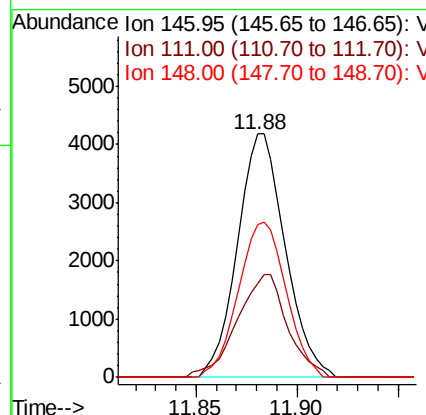
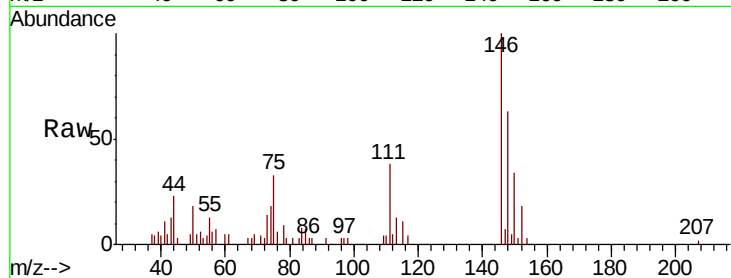




#65
 1,2-Dichlorobenzene
 Concen: 0.565 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027664.D
 Acq: 17 Oct 2018 08:12

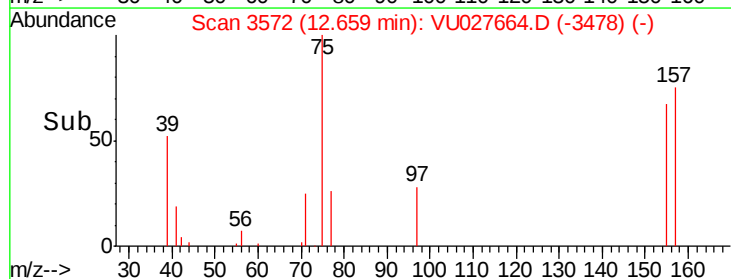
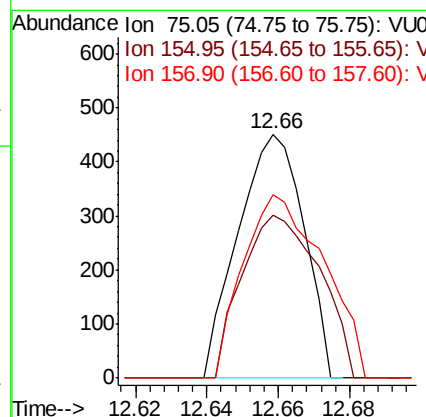
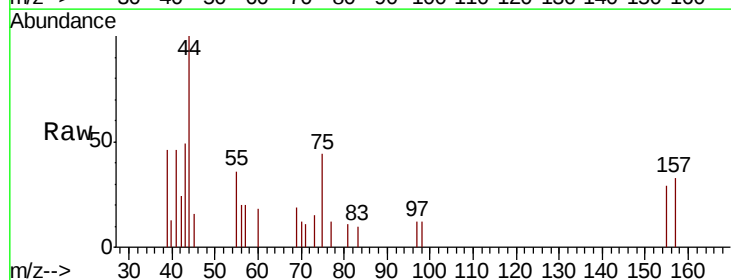
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD0.541

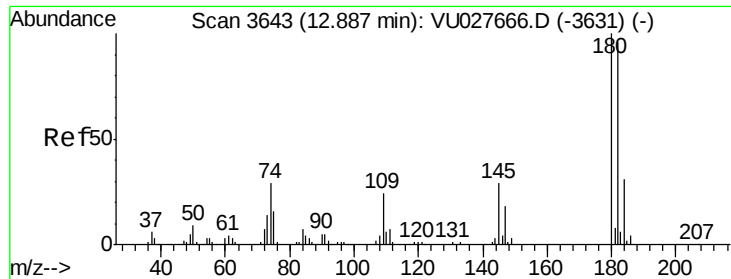
Tgt Ion:146 Resp: 6931
 Ion Ratio Lower Upper
 146 100
 111 38.5 31.7 47.5
 148 62.5 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.568 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027664.D
 Acq: 17 Oct 2018 08:12

Tgt Ion: 75 Resp: 573
 Ion Ratio Lower Upper
 75 100
 155 67.0 68.3 102.5#
 157 75.4 84.6 127.0#





#67

1,3,5-Trichlorobenzene

Concen: 0.560 ug/L

RT: 12.89 min Scan# 3644

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.541

Tgt Ion:180 Resp: 5800

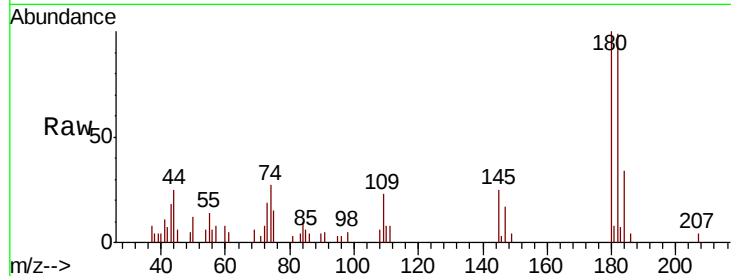
Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.4

184 30.2 24.2 36.2

145 26.9 22.6 33.8

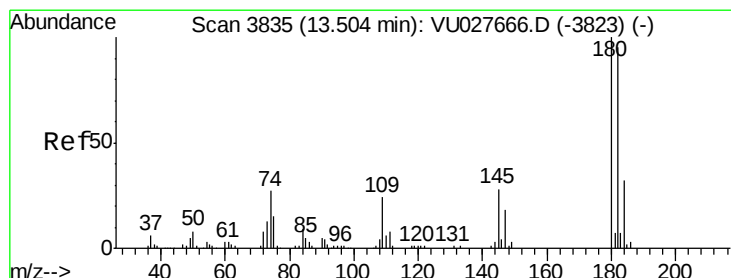
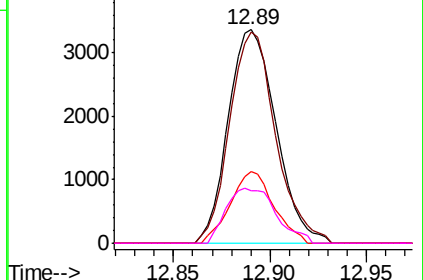
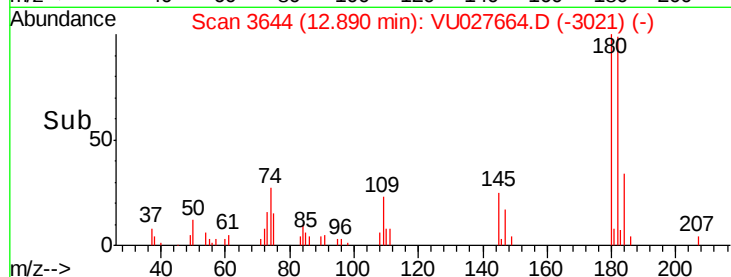


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 0.518 ug/L

RT: 13.51 min Scan# 3836

Delta R.T. 0.00 min

Lab File: VU027664.D

Acq: 17 Oct 2018 08:12

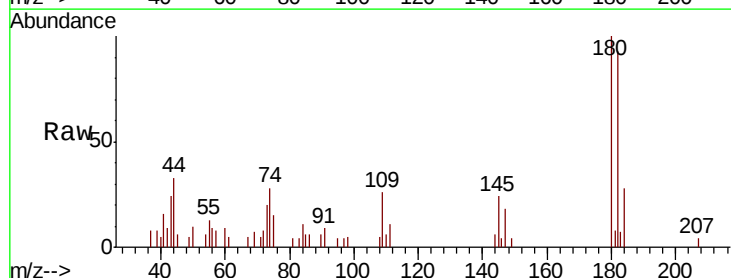
Tgt Ion:180 Resp: 4625

Ion Ratio Lower Upper

180 100

182 93.6 76.6 114.8

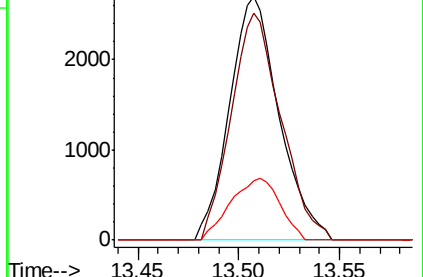
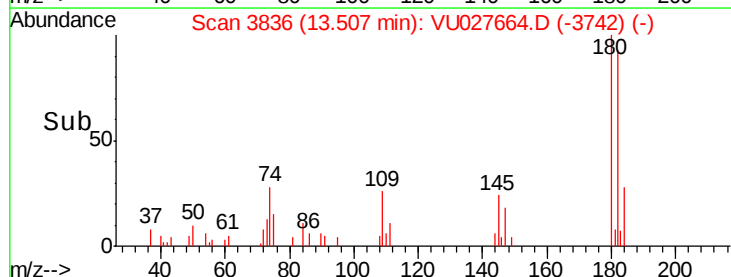
145 25.2 22.2 33.2

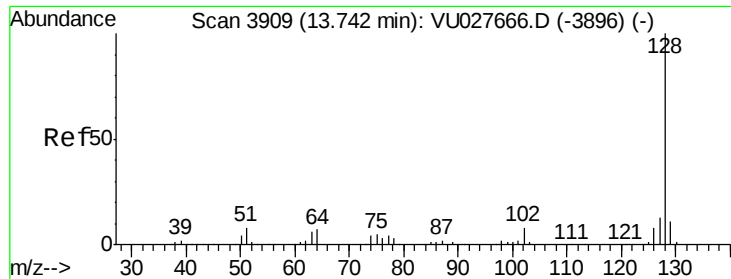


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

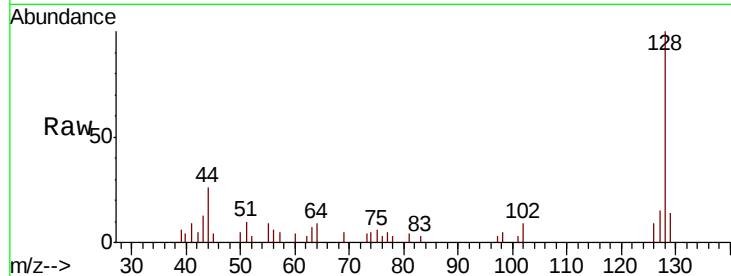




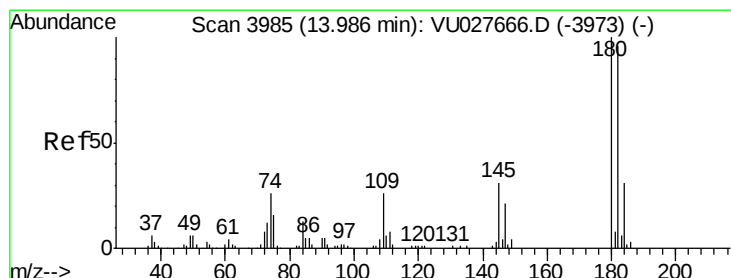
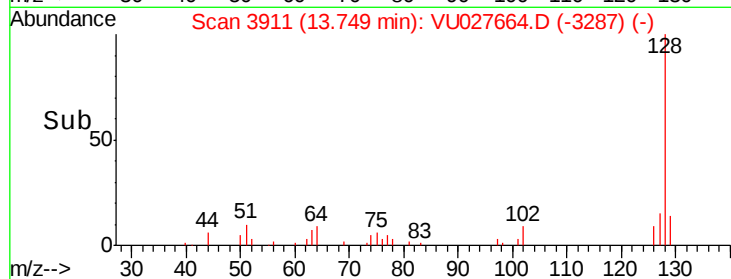
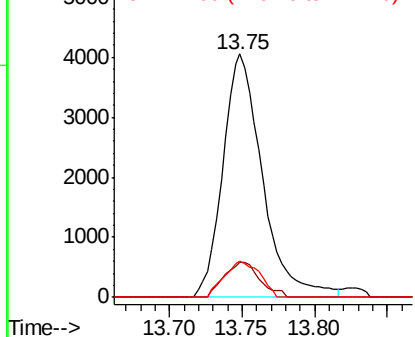
#69
Naphthalene
Concen: 0.513 ug/L
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU027664.D
Acq: 17 Oct 2018 08:12

Instrument :
MSVOA_U
ClientSampled :
VSTD0.541

Tgt Ion:128 Resp: 7660
Ion Ratio Lower Upper
128 100
129 13.0 8.7 13.1
127 13.3 10.5 15.7

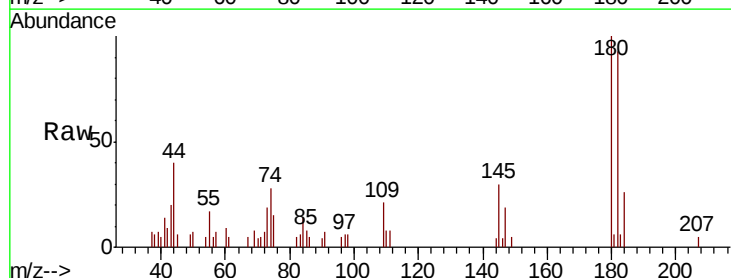


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 0.532 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027664.D
Acq: 17 Oct 2018 08:12

Tgt Ion:180 Resp: 4439
Ion Ratio Lower Upper
180 100
182 97.9 75.8 113.6
145 31.5 24.4 36.6



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

