

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091018\
 Data File : VU026640.D
 Acq On : 10 Sep 2018 10:27
 Operator : MD/SY
 Sample : VSTD00548
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 11 04:23:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 11 04:12:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	191303	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	176862	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	80346	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	6830	4.79	ug/L	0.00
7) Chloroethane-d5	1.68	69	5575	4.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	11715	4.59	ug/L	0.00
21) 2-Butanone-d5	4.19	46	8339	9.40	ug/L	0.00
24) Chloroform-d	4.65	84	10844	4.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	7631	4.92	ug/L	0.00
32) Benzene-d6	5.34	84	21590	4.72	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	7344	4.78	ug/L	0.00
41) Toluene-d8	7.57	98	19746	4.60	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	3178	4.45	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	4870	7.77	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	9809	4.66	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	8061	5.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	5634	4.679	ug/L 98
3) Chloromethane	1.33	50	7196	4.546	ug/L 98
5) Vinyl chloride	1.40	62	7354	4.496	ug/L 98
6) Bromomethane	1.63	94	4241	4.449	ug/L 98
8) Chloroethane	1.70	64	4881	4.812	ug/L 98
9) Trichlorofluoromethane	1.89	101	9227	4.474	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5149	4.384	ug/L 98
12) 1,1-Dichloroethene	2.28	96	5039	4.467	ug/L # 83
13) Acetone	2.32	43	8799	8.708	ug/L 98
14) Carbon disulfide	2.48	76	18426	5.029	ug/L 97
15) Methyl Acetate	2.62	43	6779	4.703	ug/L 93
16) Methylene chloride	2.70	84	6170	4.635	ug/L 97
17) trans-1,2-Dichloroethene	2.99	96	5564	4.655	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	15837	4.300	ug/L 98
19) 1,1-Dichloroethane	3.45	63	10014	4.320	ug/L 96
20) cis-1,2-Dichloroethene	4.23	96	5879	4.367	ug/L 100
22) 2-Butanone	4.27	43	9494	8.206	ug/L 97
23) Bromochloromethane	4.55	128	2944	4.276	ug/L 86
25) Chloroform	4.67	83	10540	4.524	ug/L 97
27) 1,2-Dichloroethane	5.41	62	8165	4.413	ug/L # 93
29) Cyclohexane	5.00	56	7986	4.122	ug/L 100
30) 1,1,1-Trichloroethane	4.92	97	8468	4.520	ug/L 98
31) Carbon tetrachloride	5.14	117	7490	4.423	ug/L 96
33) Benzene	5.40	78	22266	4.496	ug/L 100
34) Trichloroethene	6.19	95	5706	4.635	ug/L 97
35) Methylcyclohexane	6.42	83	8053	4.087	ug/L 99
37) 1,2-Dichloropropane	6.44	63	5987	4.327	ug/L 99
38) Bromodichloromethane	6.76	83	7392	4.359	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	8493	4.148	ug/L 91
40) 4-Methyl-2-pentanone	7.47	43	14657	8.305	ug/L 100

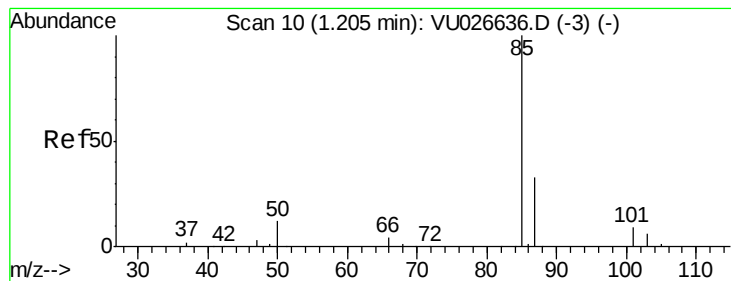
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091018\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	22377	4.359	ug/L	95
44) trans-1,3-Dichloropropene	7.88	75	8011	4.206	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	5586	4.551	ug/L	92
46) Tetrachloroethene	8.23	164	4749	4.590	ug/L	96
48) 2-Hexanone	8.37	43	10998	7.381	ug/L	97
49) Dibromochloromethane	8.48	129	5825	4.106	ug/L	97
50) 1,2-Dibromoethane	8.59	107	5703	4.344	ug/L #	95
51) Chlorobenzene	9.12	112	15071	4.471	ug/L	98
52) Ethylbenzene	9.25	91	22995	4.142	ug/L	98
53) m,p-Xylene	9.38	106	8253	3.943	ug/L	92
54) o-xylene	9.78	106	8144	3.920	ug/L	97
55) Styrene	9.79	104	12879	3.665	ug/L	92
56) Isopropylbenzene	10.17	105	20020	3.783	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	9022	4.243	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	7370	4.502	ug/L	98
61) Bromoform	9.96	173	4487	4.533	ug/L #	95
62) 1,3-Dichlorobenzene	11.42	146	10803	4.683	ug/L	96
63) 1,4-Dichlorobenzene	11.51	146	12213	4.997	ug/L	96
65) 1,2-Dichlorobenzene	11.88	146	10925	4.481	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.66	75	1809	4.592	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	8482	4.635	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	7095	4.461	ug/L	98
69) Naphthalene	13.75	128	19422	3.985	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	7808	4.532	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.679 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

Instrument :

MSVOA_U

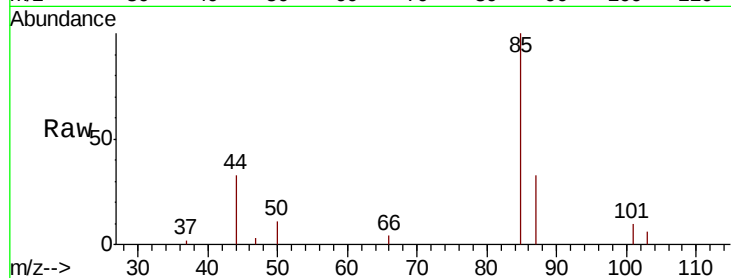
ClientSampleId :

Tot Ion: 85 Resp: 5634

Ion Ratio Lower Upper

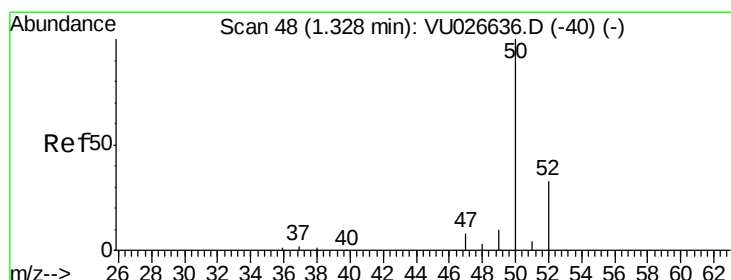
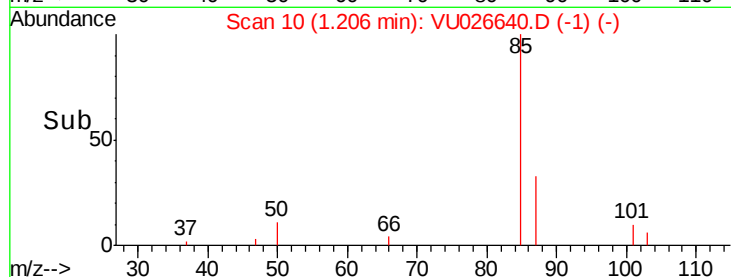
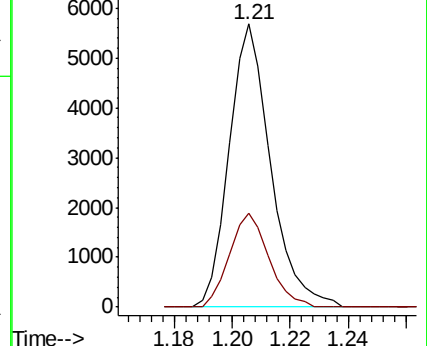
85 100

87 31.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.546 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026640.D

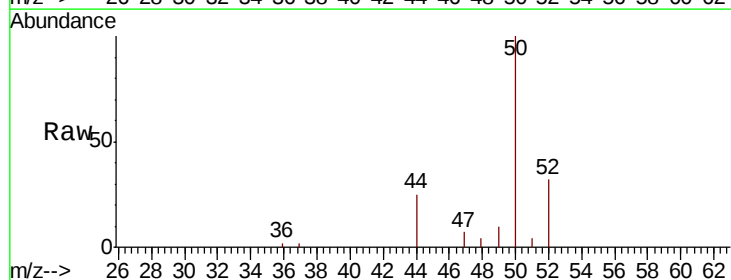
Acq: 10 Sep 2018 10:27

Tgt Ion: 50 Resp: 7196

Ion Ratio Lower Upper

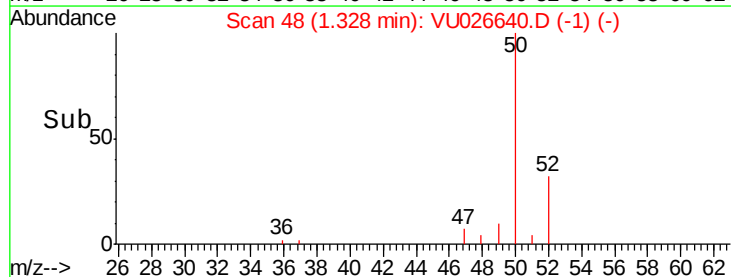
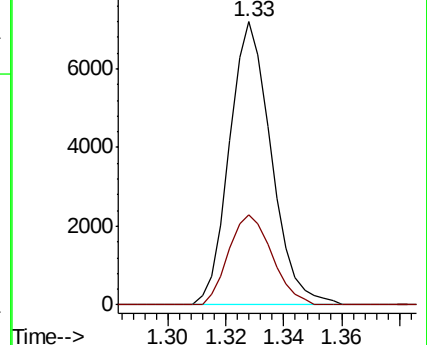
50 100

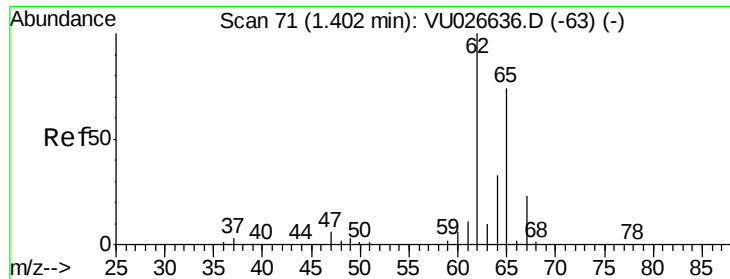
52 32.0 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 4.496 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

Instrument :

MSVOA_U

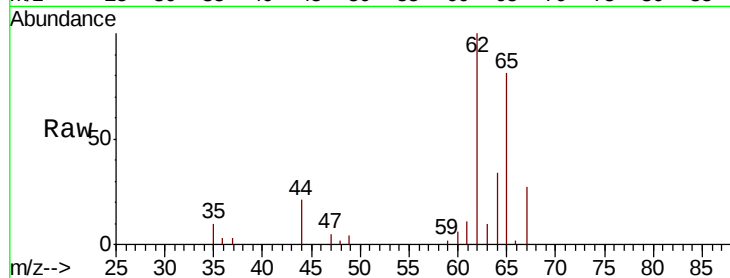
ClientSampled :

Tot Ion: 62 Resp: 7354

Ion Ratio Lower Upper

62 100

64 33.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

8000

6000

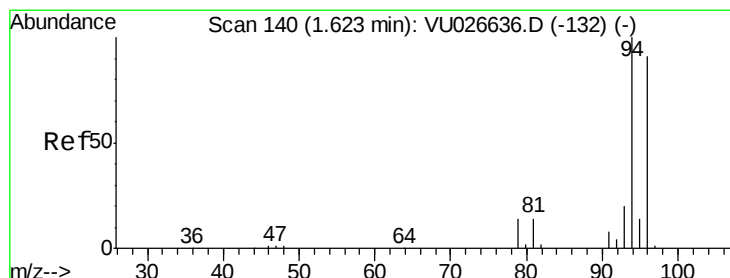
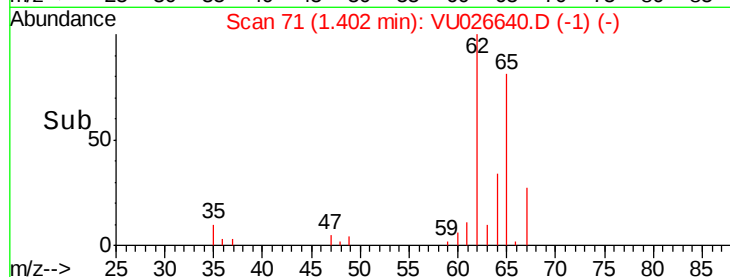
4000

2000

0

1.36 1.38 1.40 1.42 1.44

Time-->



#6

Bromomethane

Concen: 4.449 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.01 min

Lab File: VU026640.D

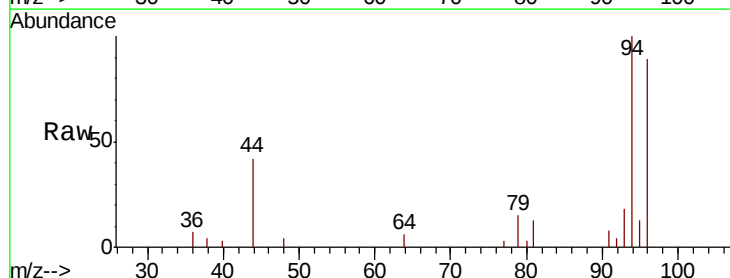
Acq: 10 Sep 2018 10:27

Tgt Ion: 94 Resp: 4241

Ion Ratio Lower Upper

94 100

96 89.0 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

4000

3000

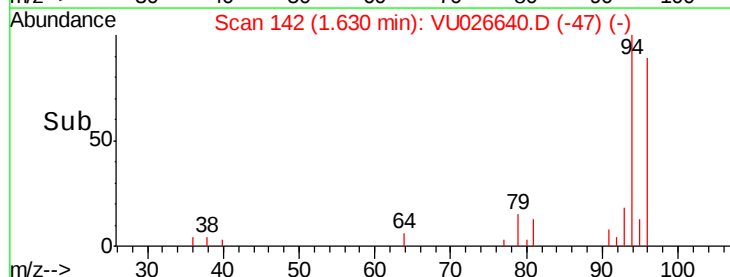
2000

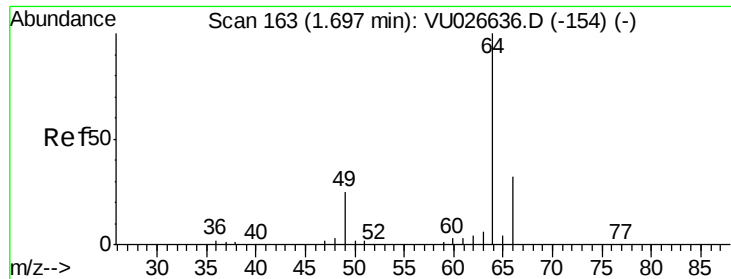
1000

0

1.60 1.65

Time-->

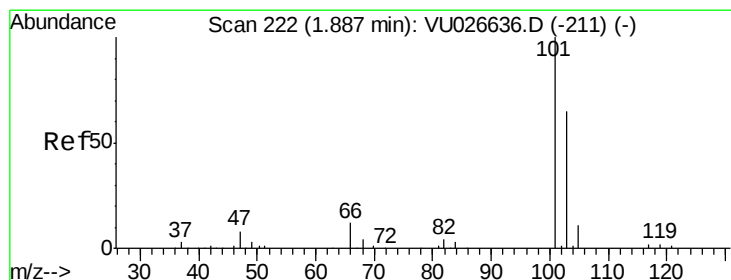
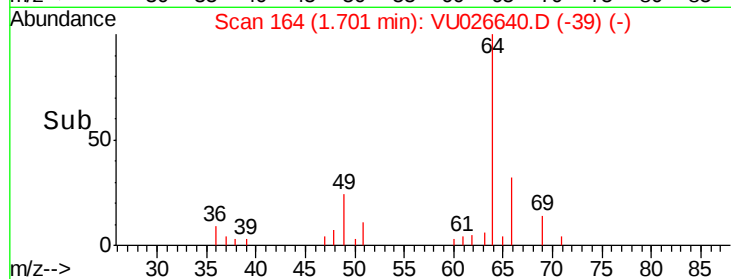
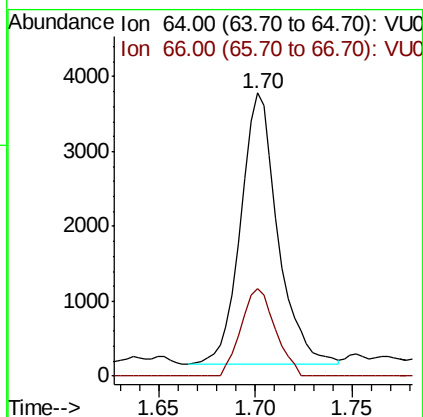
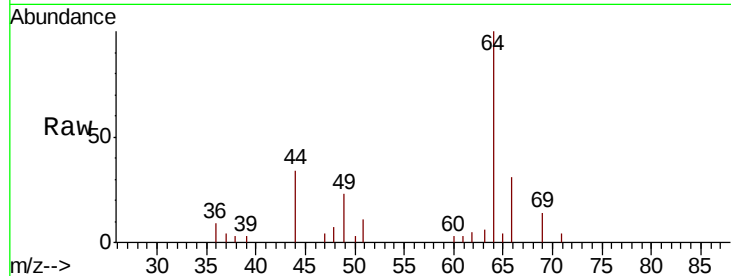




#8
Chloroethane
Concen: 4.812 ug/L
RT: 1.70 min Scan# 164
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

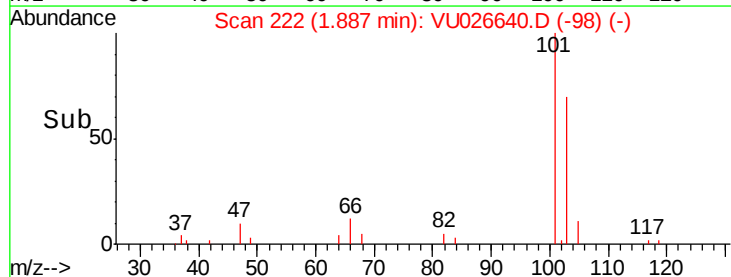
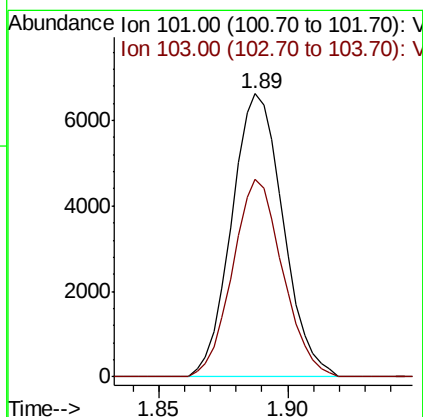
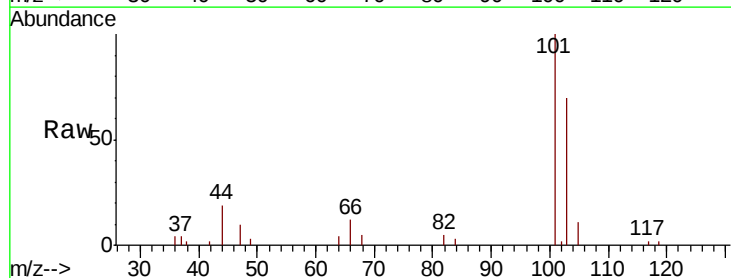
Instrument :
MSVOA_U
ClientSampleId :

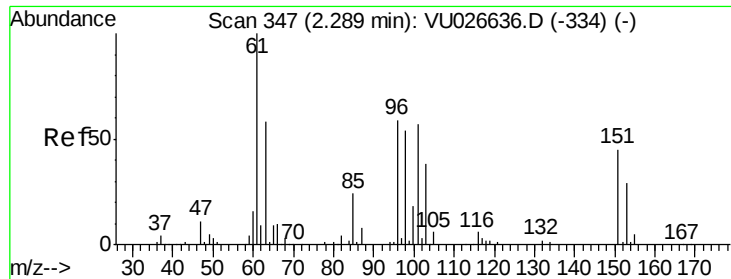
Tot Ion: 64 Resp: 4881
Ion Ratio Lower Upper
64 100
66 30.8 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.474 ug/L
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

Tgt Ion:101 Resp: 9227
Ion Ratio Lower Upper
101 100
103 68.0 51.8 77.6





#10

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

Concen: 4.384 ug/L

RT: 2.29 min Scan# 348

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

Instrument :

MSVOA_U

ClientSampleId :

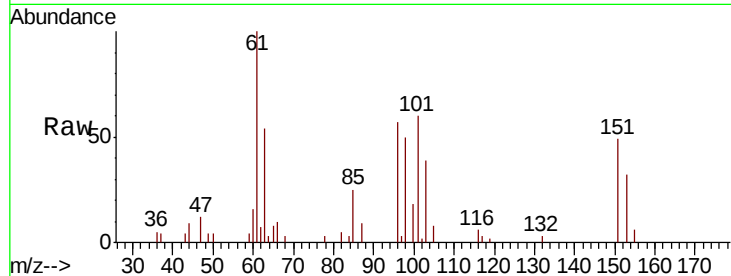
Tot Ion:101 Resp: 5149

Ion Ratio Lower Upper

101 100

85 43.4 34.1 51.1

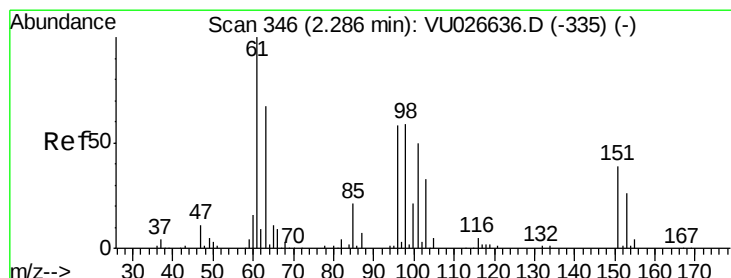
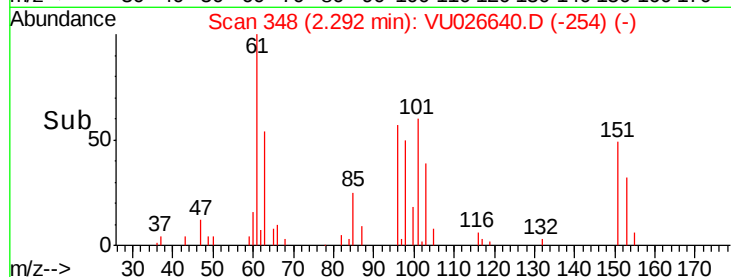
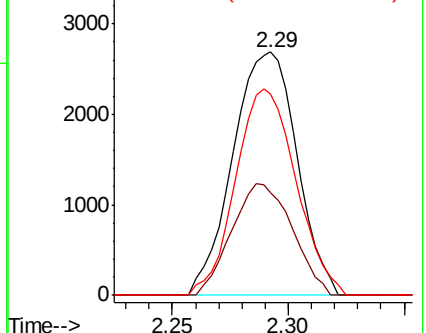
151 79.9 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.467 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

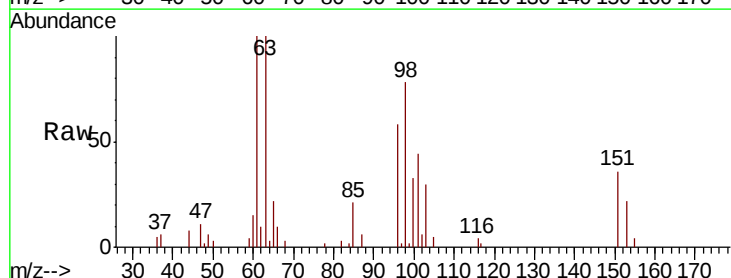
Tgt Ion: 96 Resp: 5039

Ion Ratio Lower Upper

96 100

61 171.3 121.0 224.8

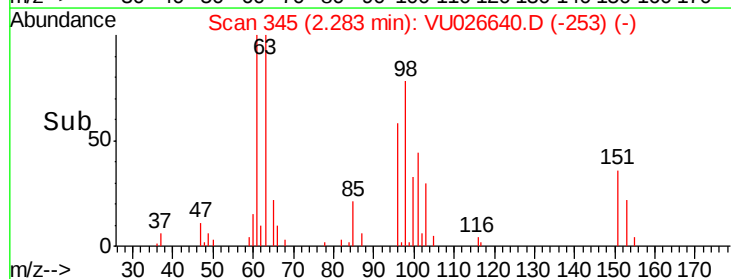
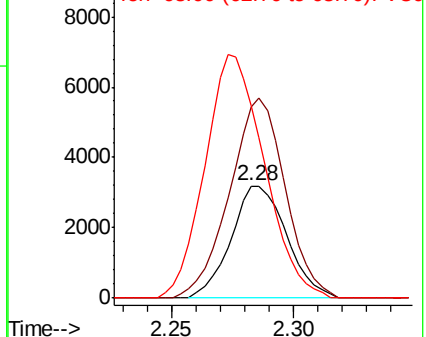
63 172.2 89.9 166.9#

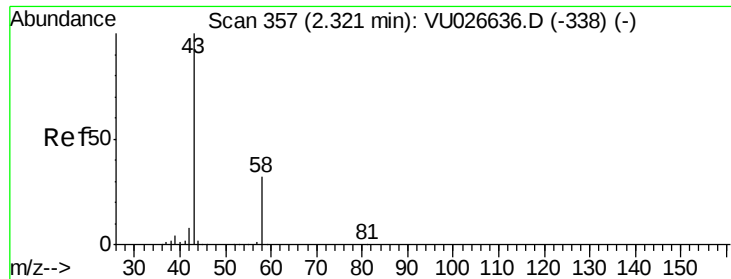


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.708 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

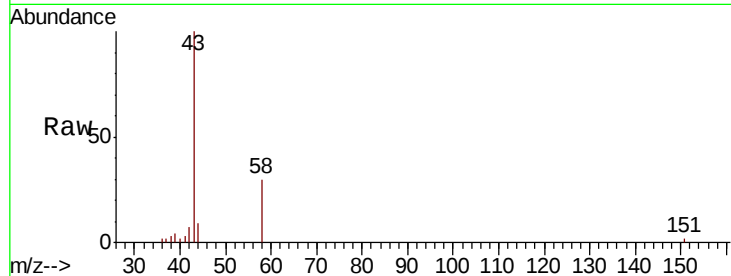
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 8799

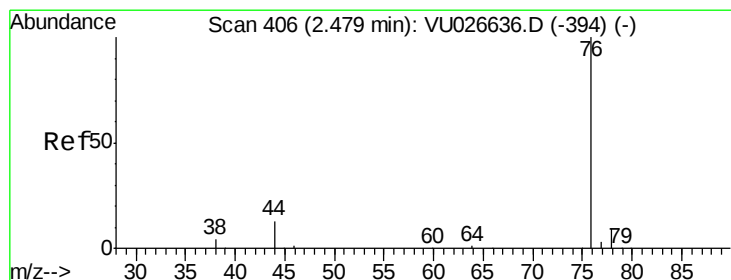
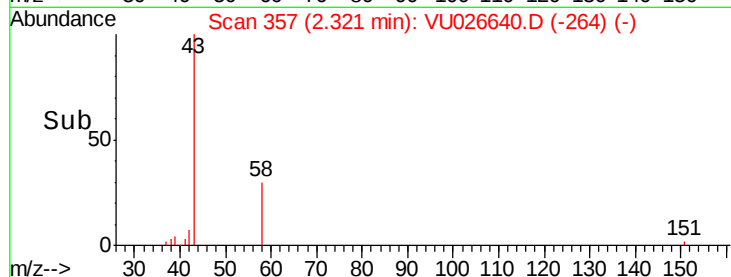
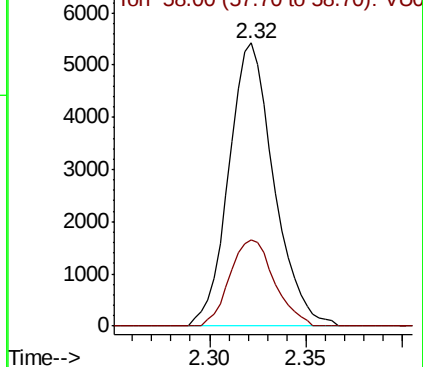
Ion Ratio Lower Upper

43 100

58 30.1 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU026640.D (-264) (-)



#14

Carbon disulfide

Concen: 5.029 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026640.D

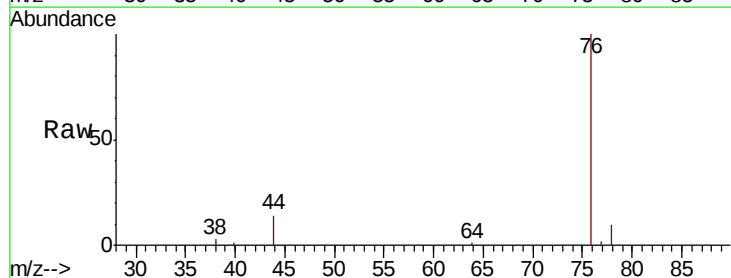
Acq: 10 Sep 2018 10:27

Tgt Ion: 76 Resp: 18426

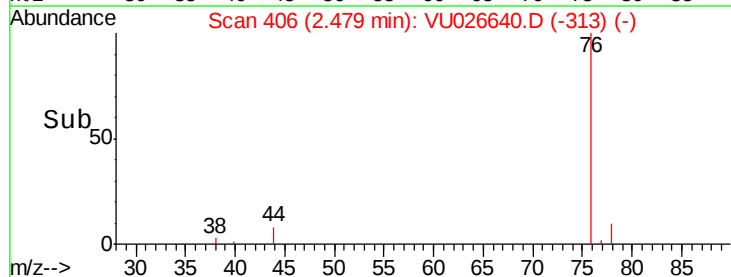
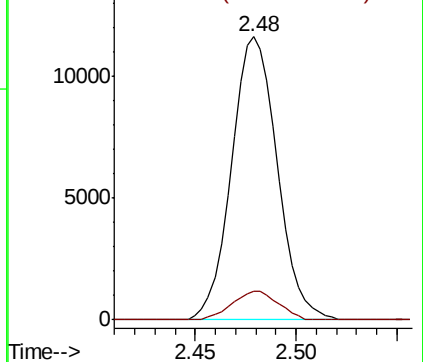
Ion Ratio Lower Upper

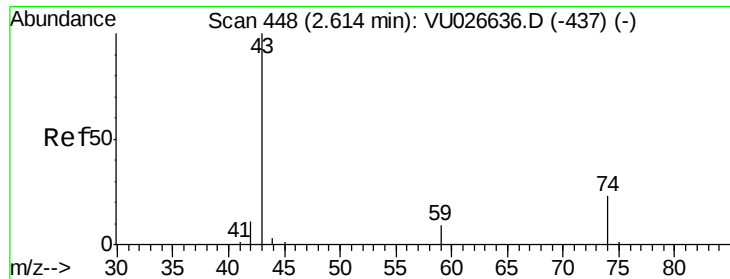
76 100

78 10.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU026640.D (-313) (-)





#15

Methyl Acetate

Concen: 4.703 ug/L

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

Instrument :

MSVOA_U

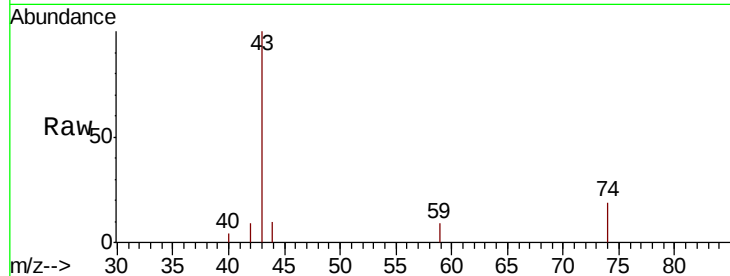
ClientSampleId :

Tot Ion: 43 Resp: 6779

Ion Ratio Lower Upper

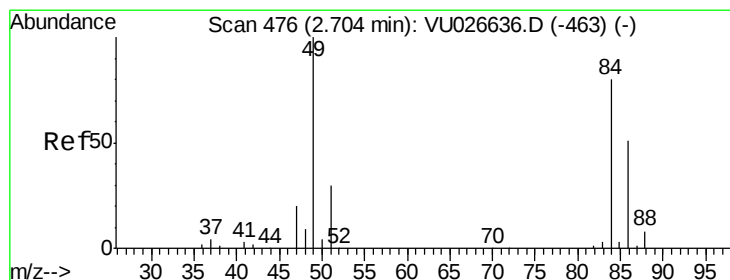
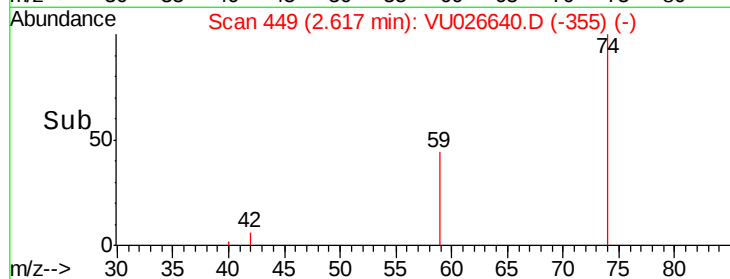
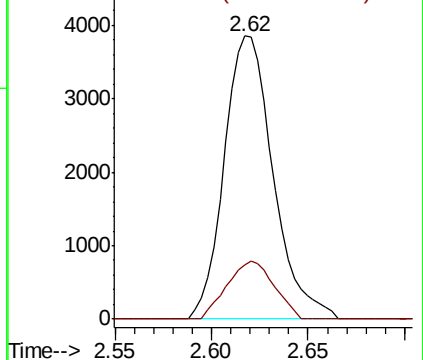
43 100

74 19.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 4.635 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

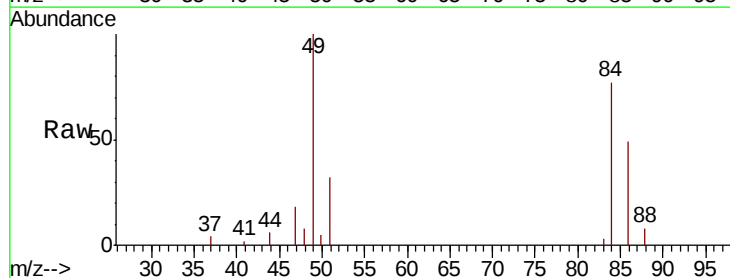
Tgt Ion: 84 Resp: 6170

Ion Ratio Lower Upper

84 100

86 63.8 44.1 81.9

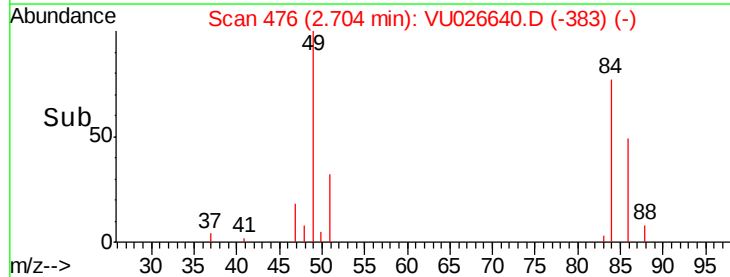
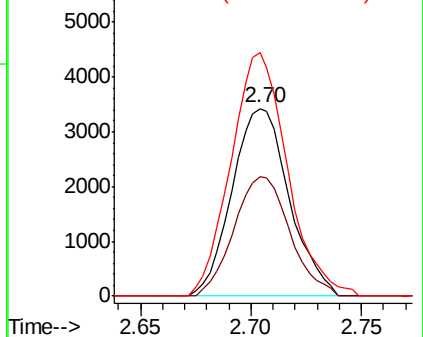
49 129.7 87.2 161.9

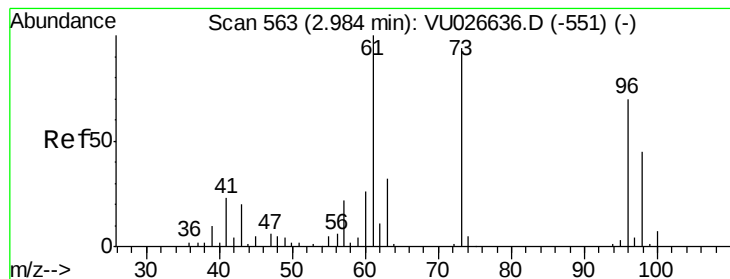


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 4.655 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

Instrument :
MSVOA_U
ClientSampled :

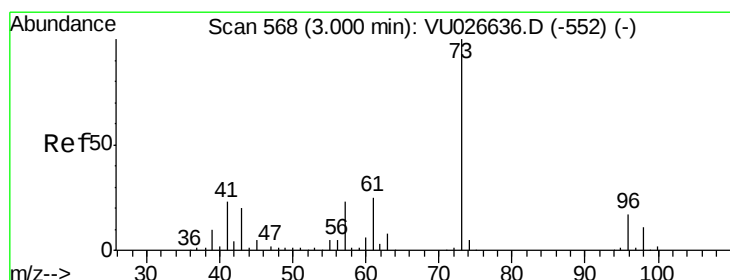
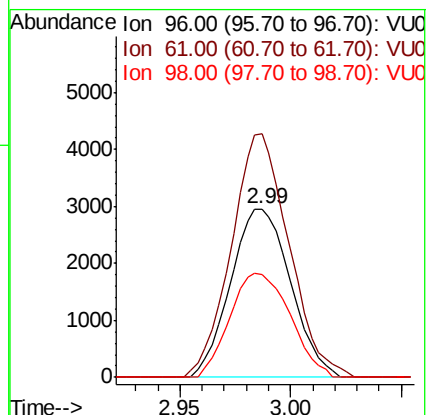
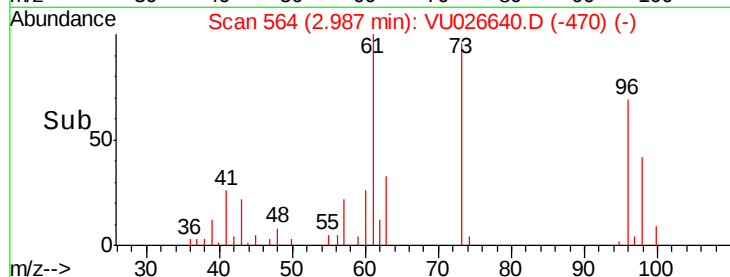
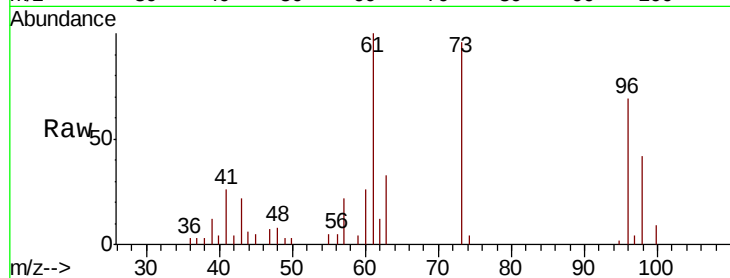
Tot Ion: 96 Resp: 5564

Ion Ratio Lower Upper

96 100

61 144.4 99.7 185.1

98 60.9 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 4.300 ug/L

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

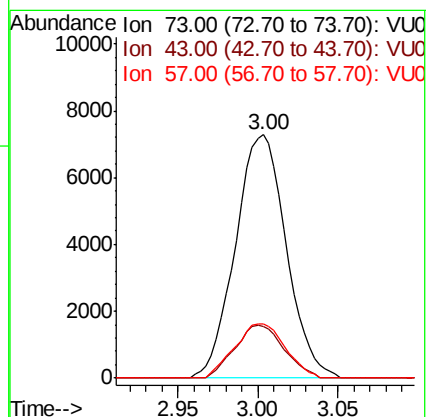
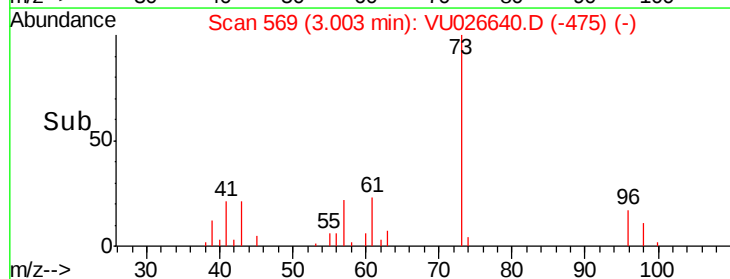
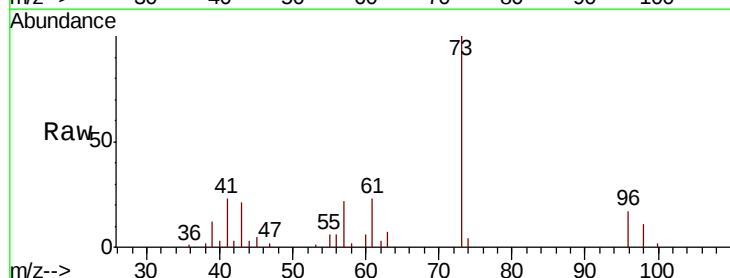
Tgt Ion: 73 Resp: 15837

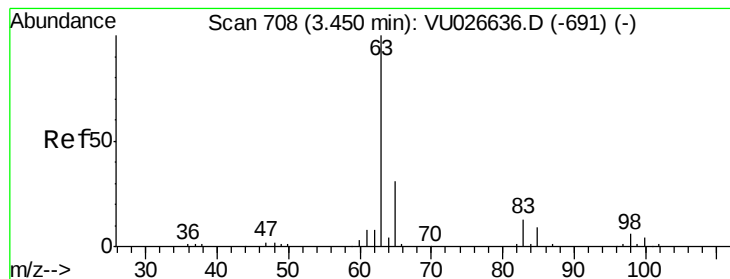
Ion Ratio Lower Upper

73 100

43 21.1 16.0 24.0

57 22.1 18.6 27.8





#19

1,1-Dichloroethane

Concen: 4.320 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

Instrument :

MSVOA_U

ClientSampleId :

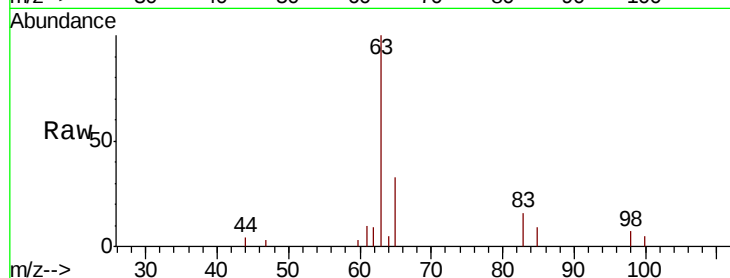
Tot Ion: 63 Resp: 10014

Ion Ratio Lower Upper

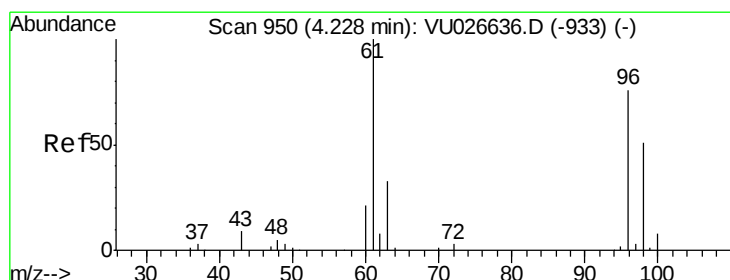
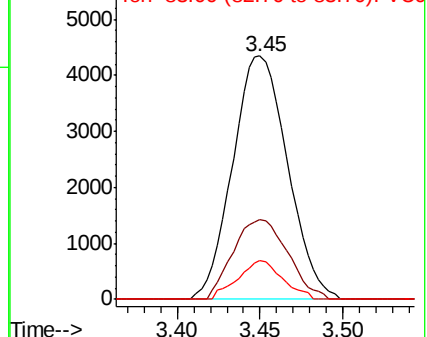
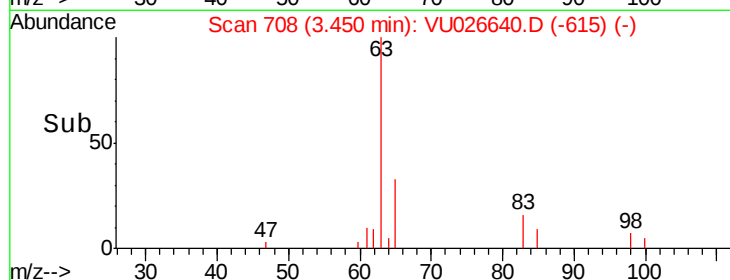
63 100

65 32.7 21.9 40.7

83 15.8 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU026640.D (-615) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.367 ug/L

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

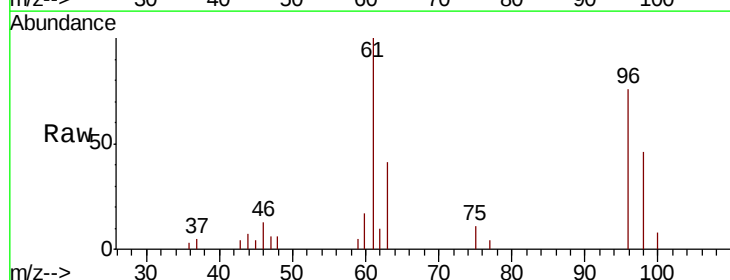
Tgt Ion: 96 Resp: 5879

Ion Ratio Lower Upper

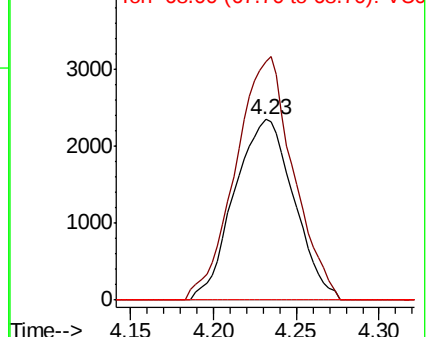
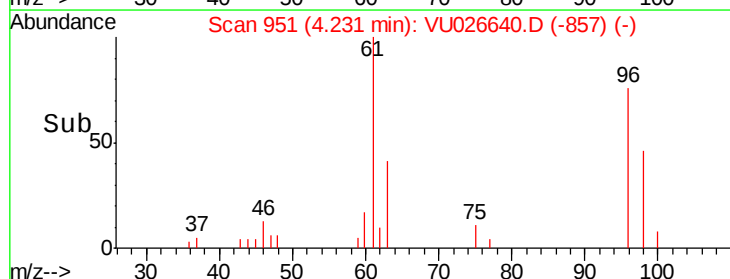
96 100

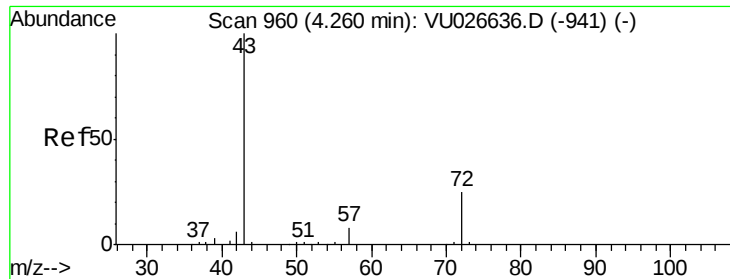
61 132.2 92.9 172.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU026640.D (-857) (-)





#22

2-Butanone

Concen: 8.206 ug/L

RT: 4.27 min Scan# 963

Delta R.T. 0.01 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

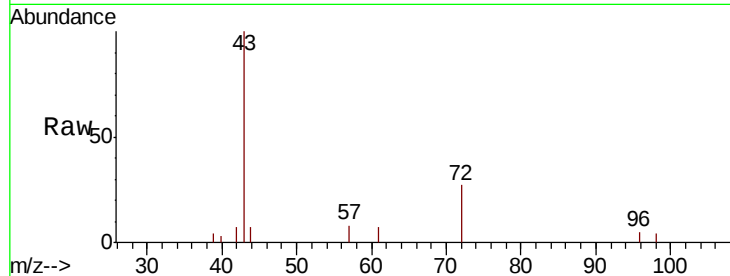
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 9494

Ion Ratio Lower Upper

43 100

72 24.1 12.9 38.6



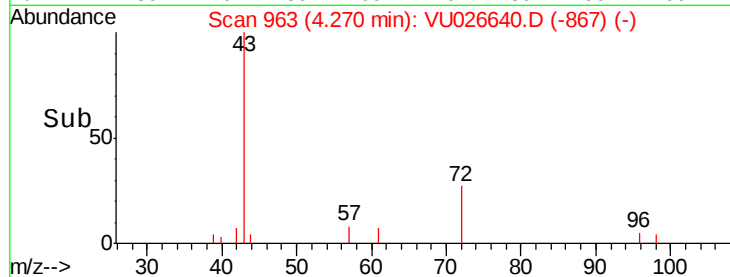
Abundance Ion 43.00 (42.70 to 43.70): VU026640.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU026640.D (-967) (-)

4.27

4.20 4.25 4.30 4.35

Time-->



Abundance

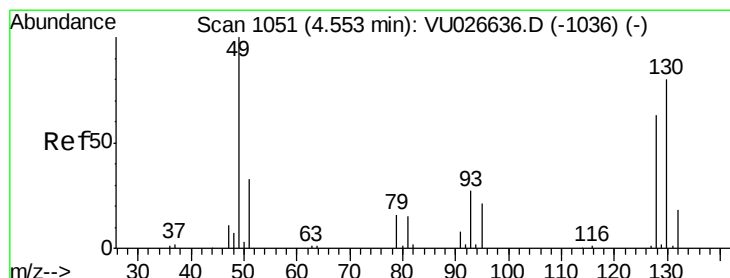
Ion 43.00 (42.70 to 43.70): VU026640.D (-867) (-)

Ion 72.00 (71.70 to 72.70): VU026640.D (-867) (-)

4.27

4.20 4.25 4.30 4.35

Time-->



#23

Bromochloromethane

Concen: 4.276 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

Tgt Ion: 128 Resp: 2944

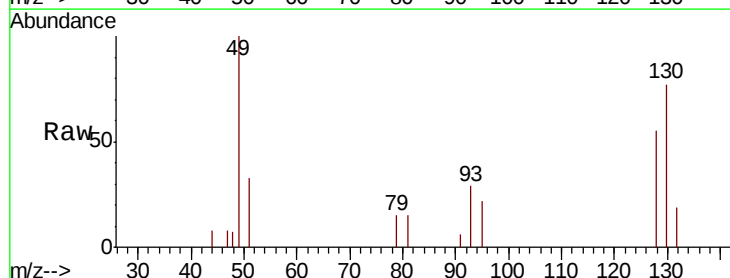
Ion Ratio Lower Upper

128 100

49 181.6 111.7 207.5

130 140.4 89.0 165.2

51 59.8 42.0 63.0



Abundance Ion 128.00 (127.70 to 128.70): VU026640.D (-958) (-)

Ion 49.00 (48.70 to 49.70): VU026640.D (-958) (-)

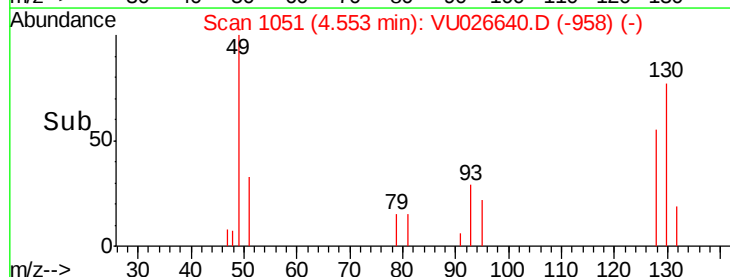
Ion 130.00 (129.70 to 130.70): VU026640.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VU026640.D (-958) (-)

4.55

4.50 4.55 4.60

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): VU026640.D (-958) (-)

Ion 49.00 (48.70 to 49.70): VU026640.D (-958) (-)

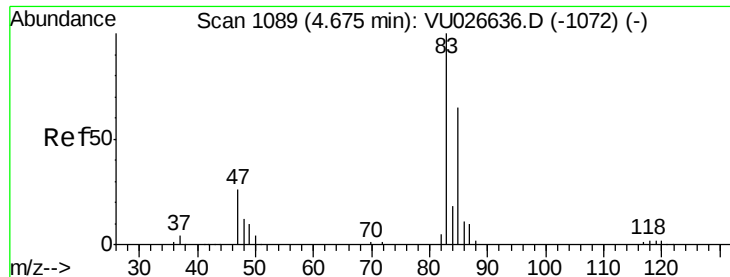
Ion 130.00 (129.70 to 130.70): VU026640.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VU026640.D (-958) (-)

4.55

4.50 4.55 4.60

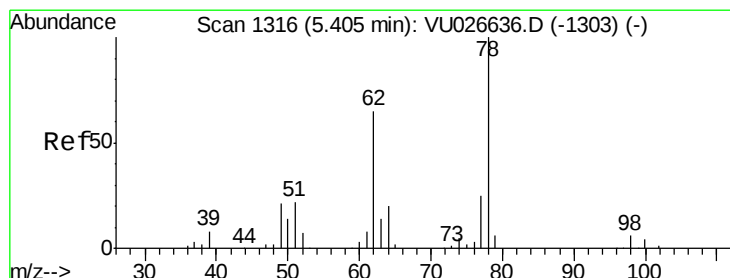
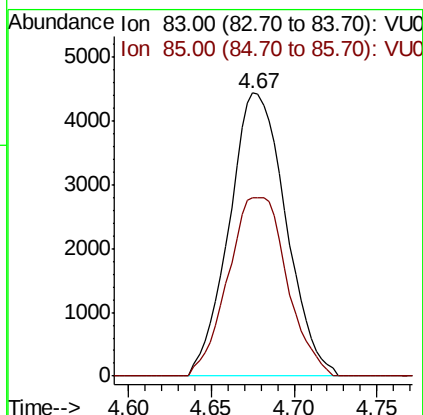
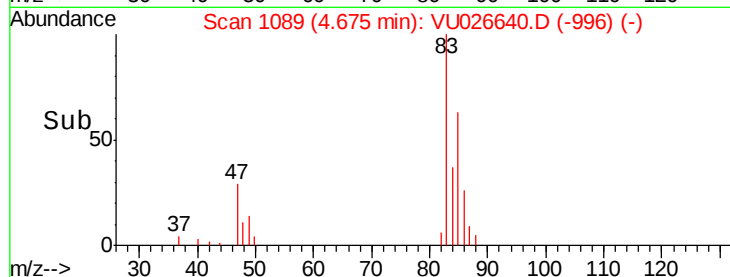
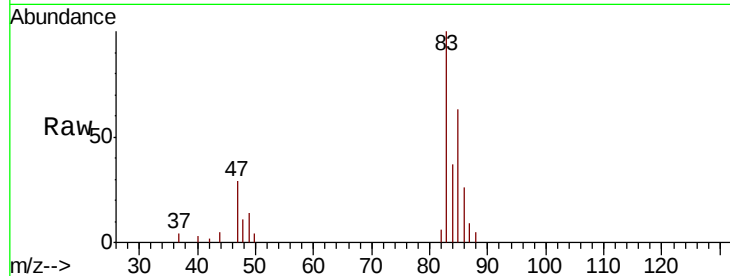
Time-->



#25
Chloroform
Concen: 4.524 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

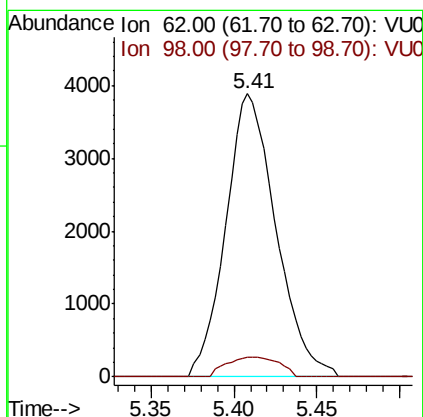
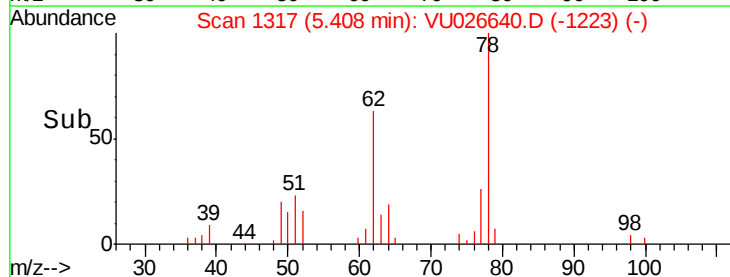
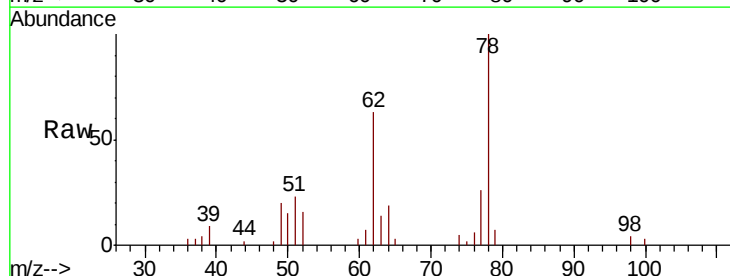
Instrument :
MSVOA_U
ClientSampleId :

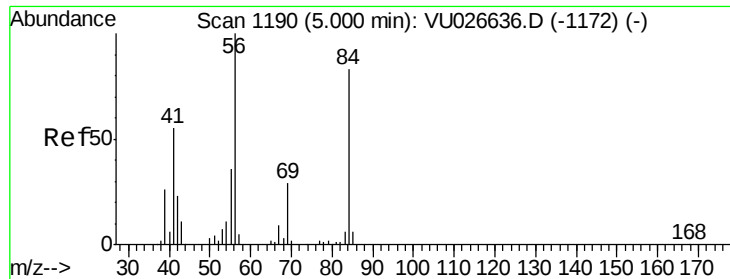
Tot Ion: 83 Resp: 10540
Ion Ratio Lower Upper
83 100
85 63.0 45.6 84.6



#27
1,2-Dichloroethane
Concen: 4.413 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

Tgt Ion: 62 Resp: 8165
Ion Ratio Lower Upper
62 100
98 6.7 7.4 11.0#

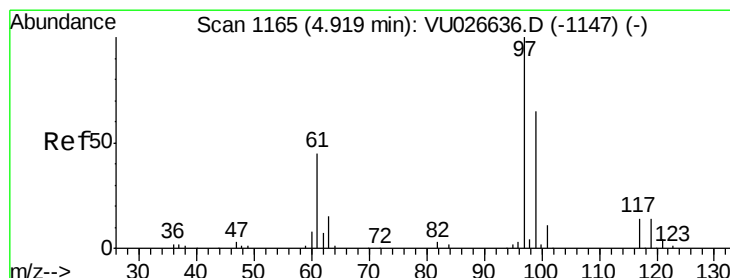
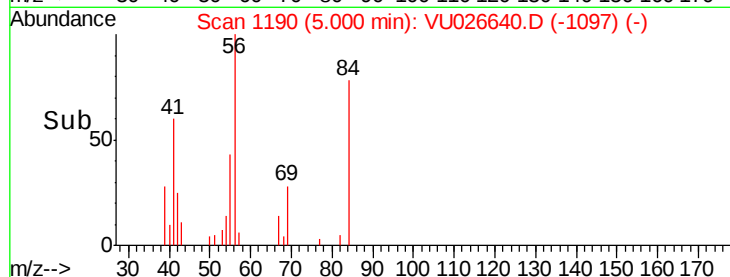
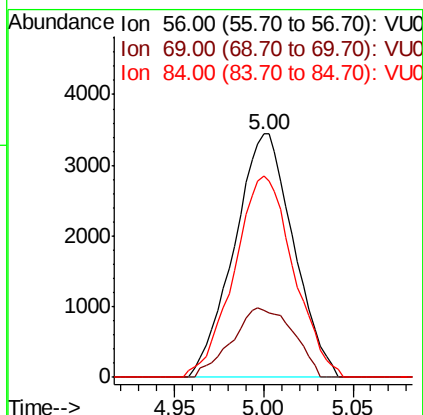
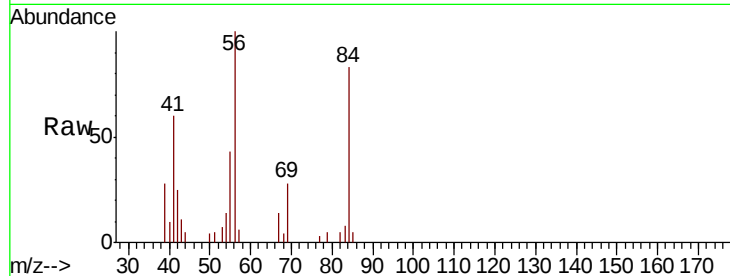




#29
Cyclohexane
Concen: 4.122 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

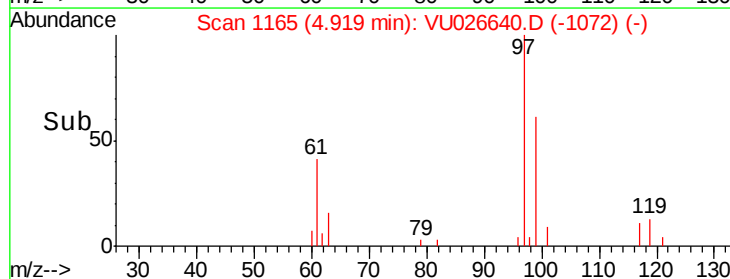
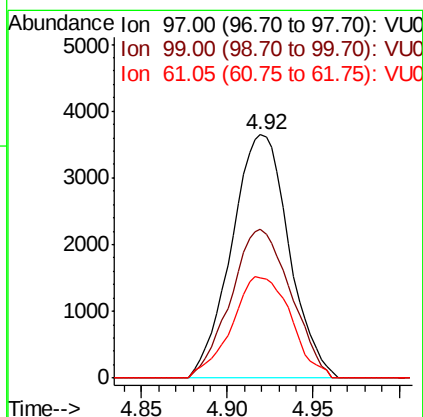
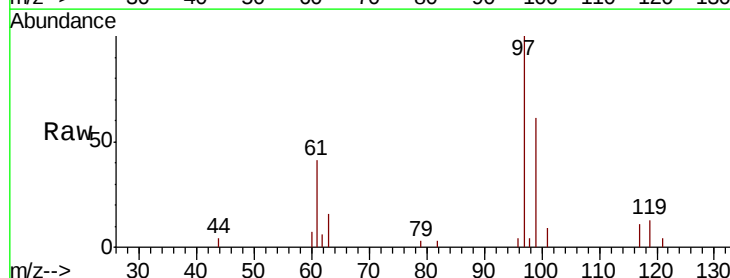
Instrument :
MSVOA_U
ClientSampleId :

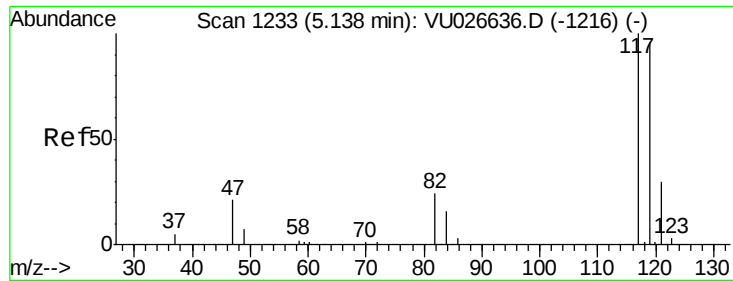
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.0	34.6
84	82.9	66.5	99.7



#30
1,1,1-Trichloroethane
Concen: 4.520 ug/L
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	43.2	36.2	54.2

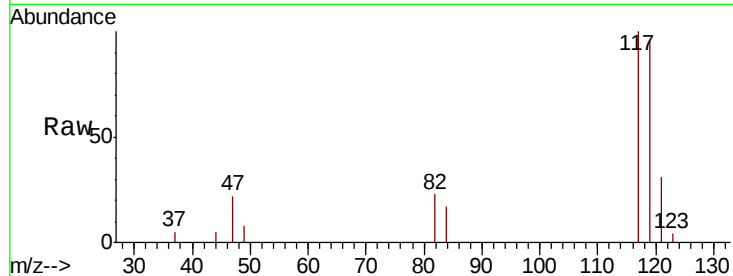




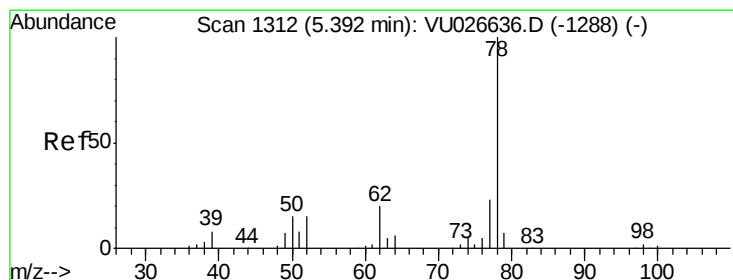
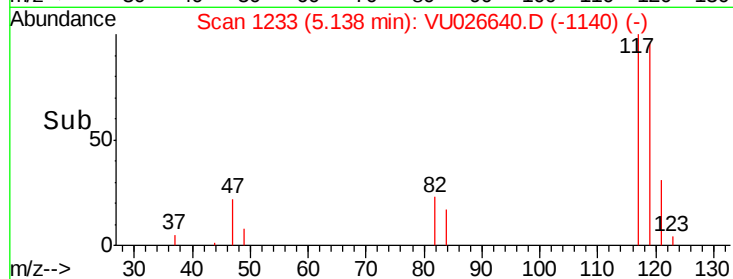
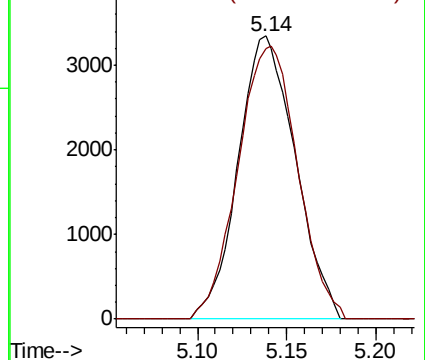
#31
Carbon tetrachloride
Concen: 4.423 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 7490
Ion Ratio Lower Upper
117 100
119 100.5 77.6 116.4

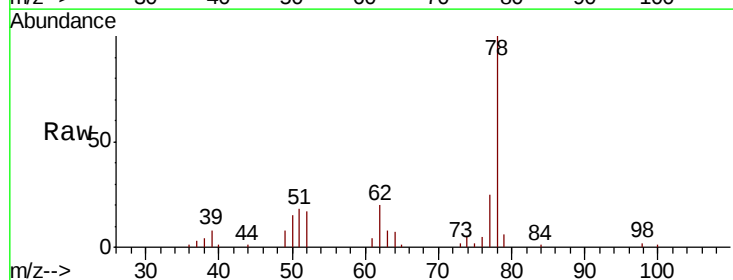


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

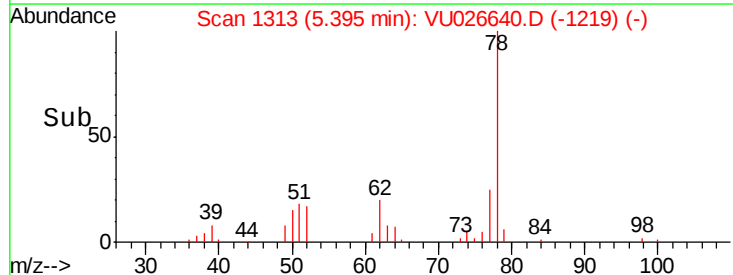
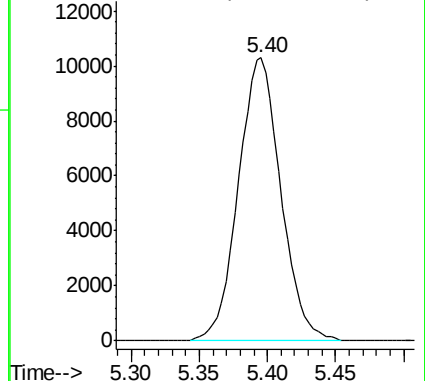


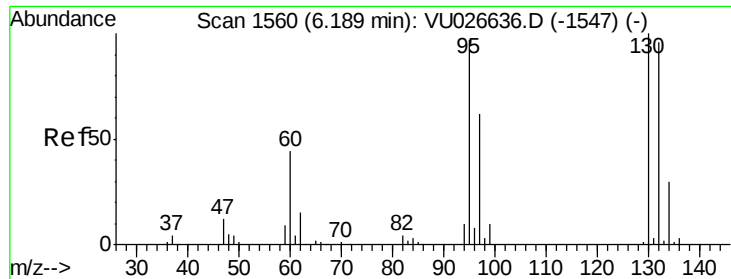
#33
Benzene
Concen: 4.496 ug/L
RT: 5.40 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

Tgt Ion: 78 Resp: 22266



Abundance Ion 78.00 (77.70 to 78.70): VU0

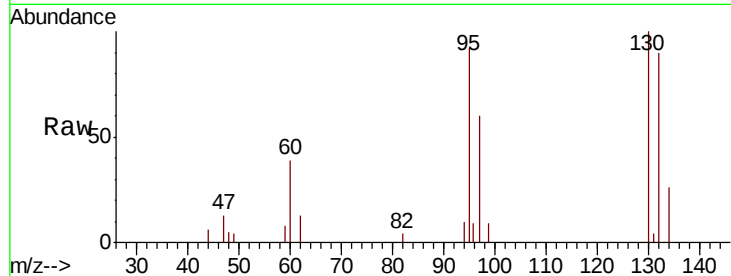




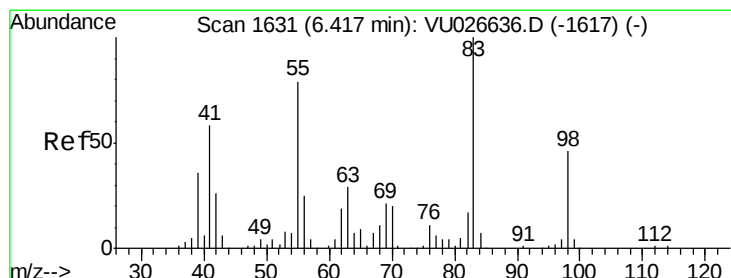
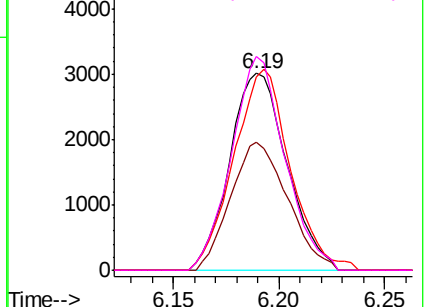
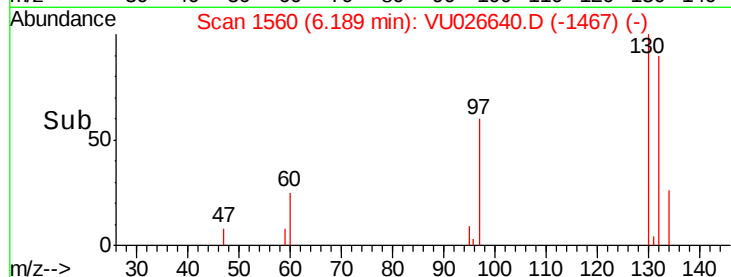
#34
 Trichloroethene
 Concen: 4.635 ug/L
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU026640.D
 Acq: 10 Sep 2018 10:27

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 5706
 Ion Ratio Lower Upper
 95 100
 97 65.3 44.9 83.5
 132 98.0 69.7 129.5
 130 108.6 72.4 134.4

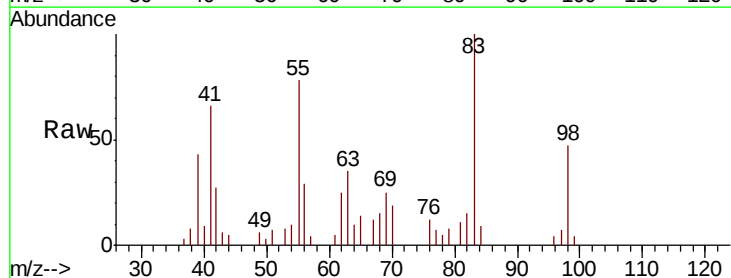


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

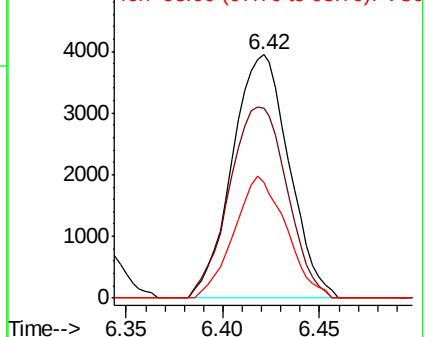
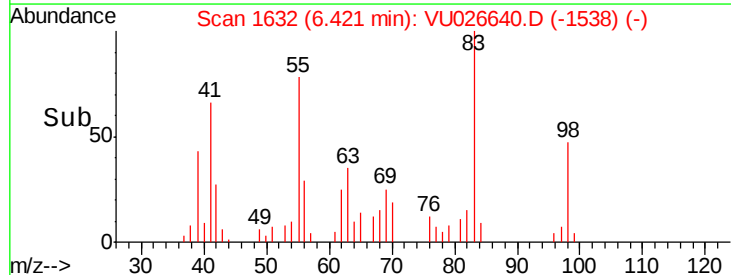


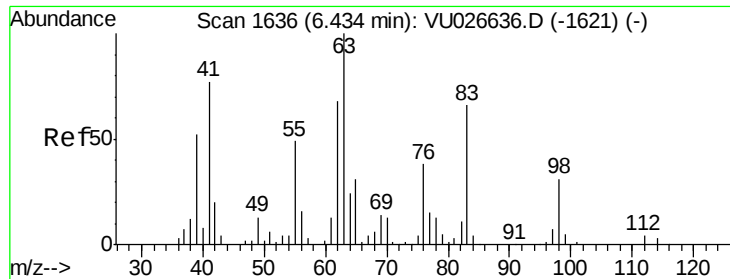
#35
 Methylcyclohexane
 Concen: 4.087 ug/L
 RT: 6.42 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: VU026640.D
 Acq: 10 Sep 2018 10:27

Tgt Ion: 83 Resp: 8053
 Ion Ratio Lower Upper
 83 100
 55 80.1 62.9 94.3
 98 46.0 37.0 55.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

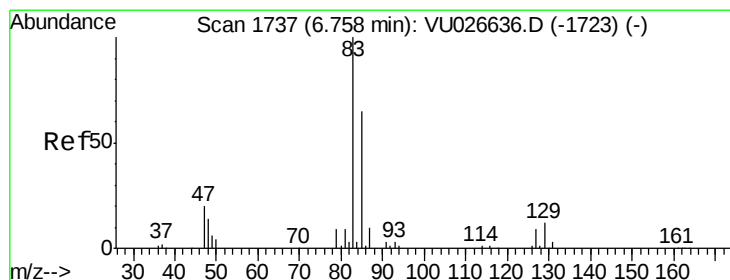
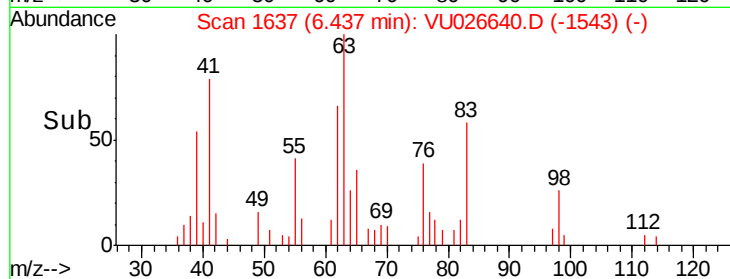
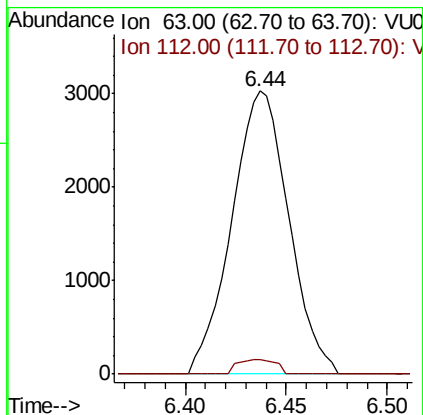
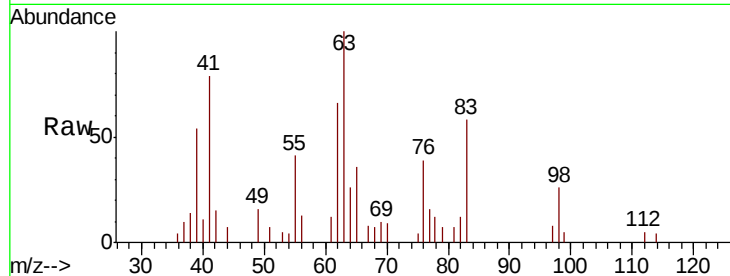




#37
 1,2-Dichloropropane
 Concen: 4.327 ug/L
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026640.D
 Acq: 10 Sep 2018 10:27

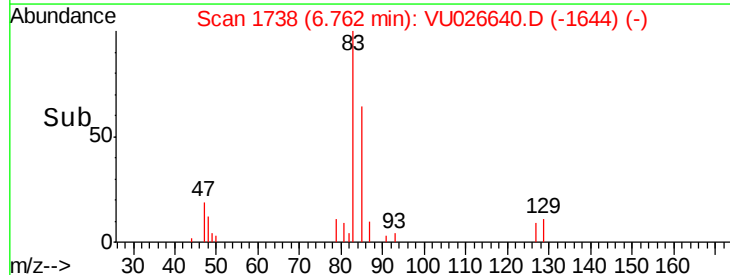
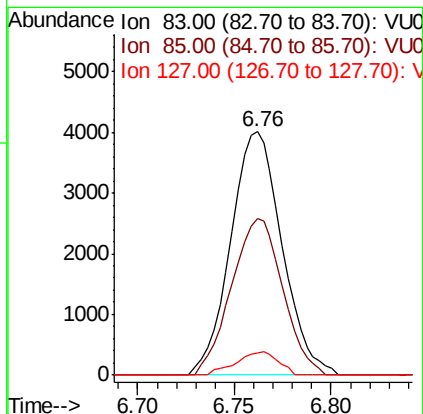
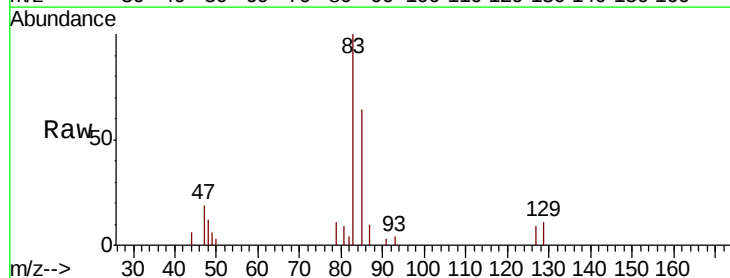
Instrument :
 MSVOA_U
 ClientSampleId :

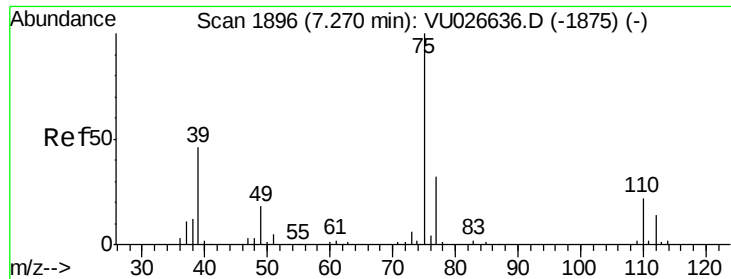
Tot Ion: 63 Resp: 5987
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.359 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU026640.D
 Acq: 10 Sep 2018 10:27

Tgt Ion: 83 Resp: 7392
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.1 83.9
 127 9.4 7.2 10.8

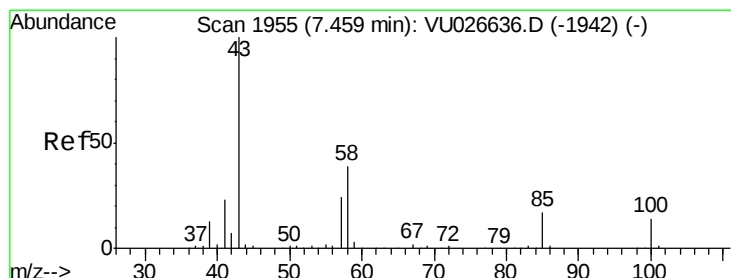
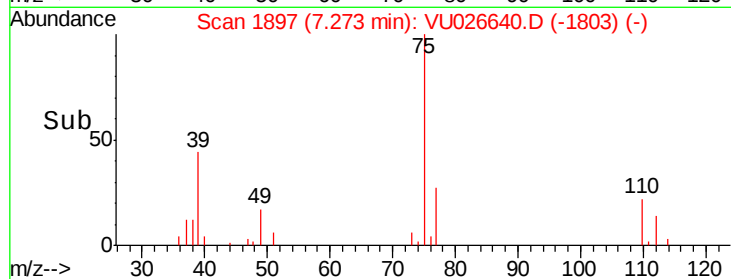
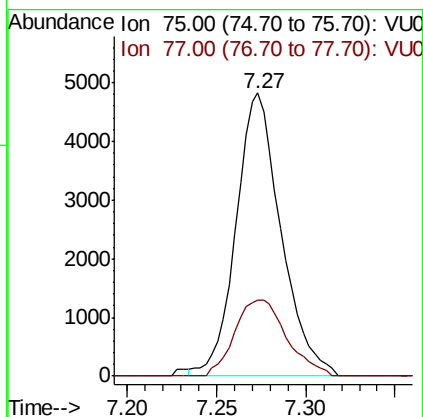
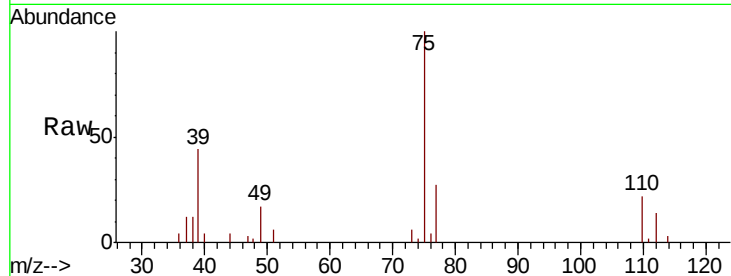




#39
 cis-1,3-Dichloropropene
 Concen: 4.148 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026640.D
 Acq: 10 Sep 2018 10:27

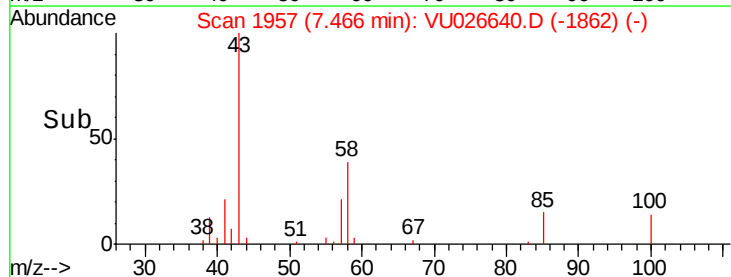
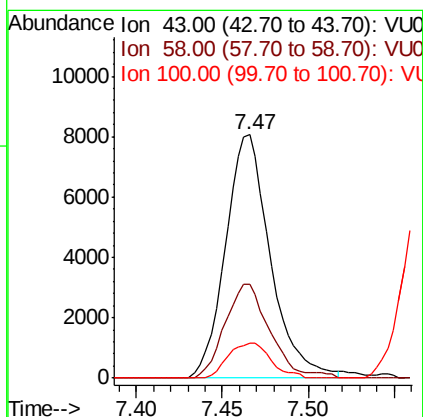
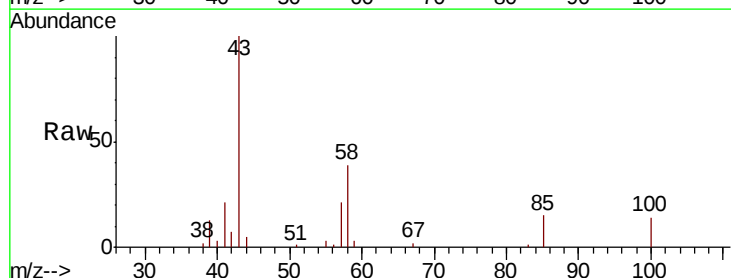
Instrument :
 MSVOA_U
 ClientSampled :

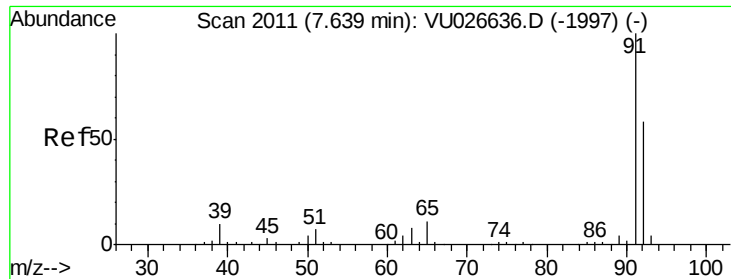
Tot Ion: 75 Resp: 8493
 Ion Ratio Lower Upper
 75 100
 77 26.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 8.305 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.01 min
 Lab File: VU026640.D
 Acq: 10 Sep 2018 10:27

Tgt Ion: 43 Resp: 14657
 Ion Ratio Lower Upper
 43 100
 58 38.7 31.1 46.7
 100 13.8 11.3 16.9





#42

Toluene

Concen: 4.359 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

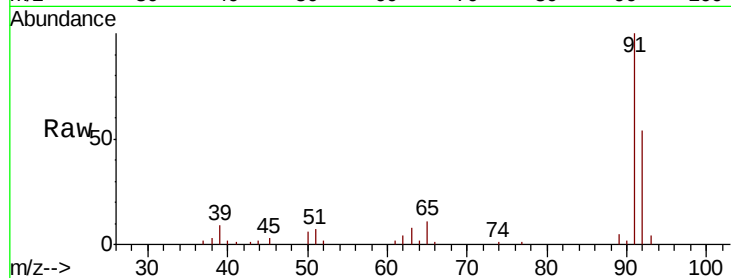
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 22377

Ion Ratio Lower Upper

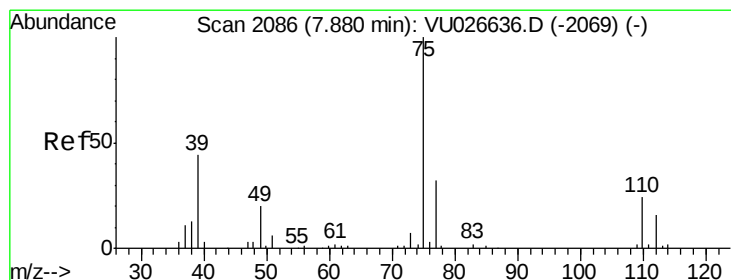
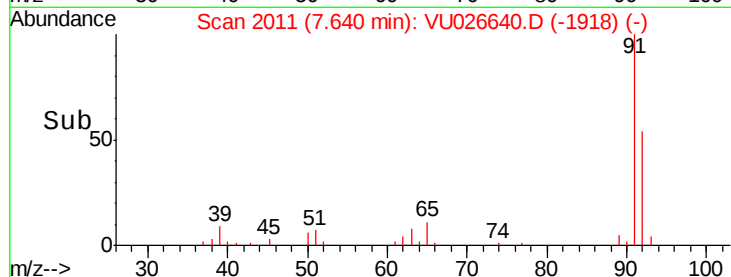
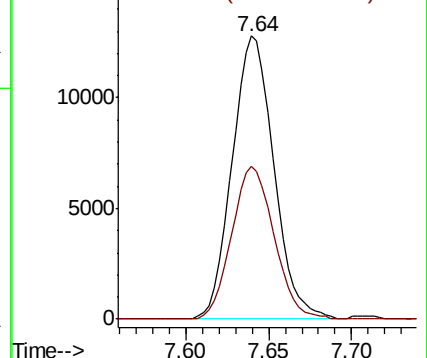
91 100

92 53.8 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU026636.D (-1997) (-)

Ion 92.00 (91.70 to 92.70): VU026636.D (-1997) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.206 ug/L

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026640.D

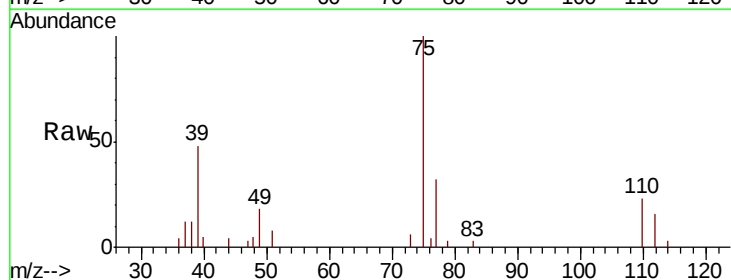
Acq: 10 Sep 2018 10:27

Tgt Ion: 75 Resp: 8011

Ion Ratio Lower Upper

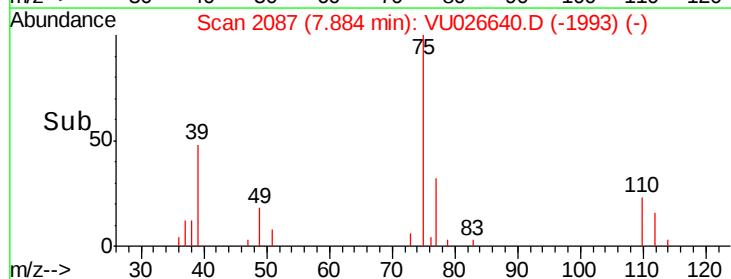
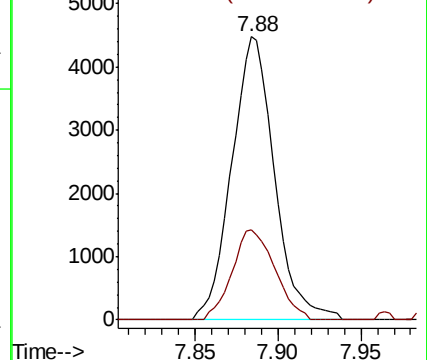
75 100

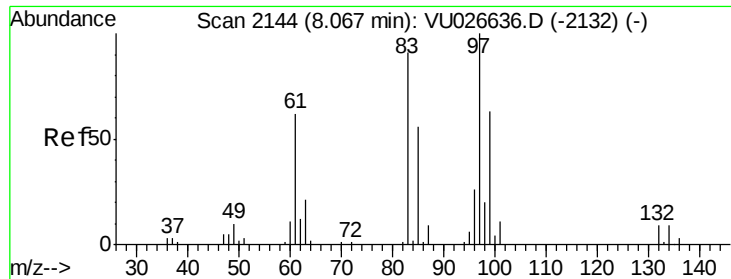
77 31.6 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU026636.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU026636.D (-2069) (-)

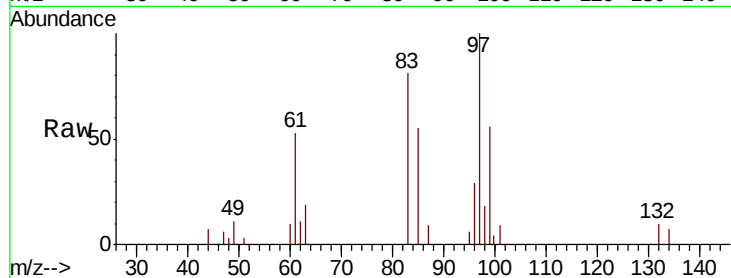




#45
 1,1,2-Trichloroethane
 Concen: 4.551 ug/L
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026640.D
 Acq: 10 Sep 2018 10:27

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	5586
Ion	Ratio	Lower	Upper
97	100		
99	56.2	44.2	82.2
83	81.1	63.8	118.6
85	54.6	39.4	73.2



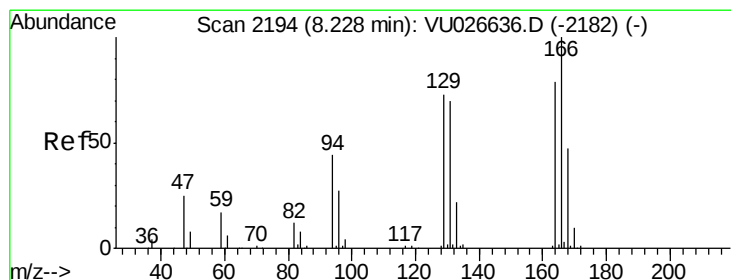
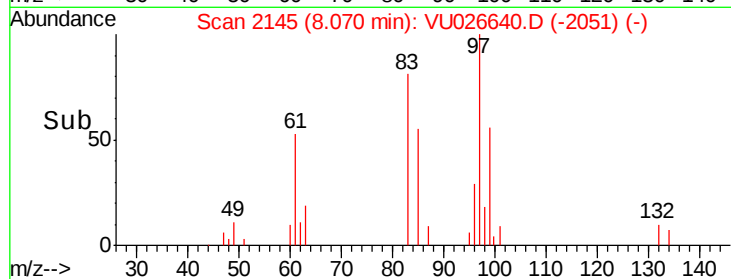
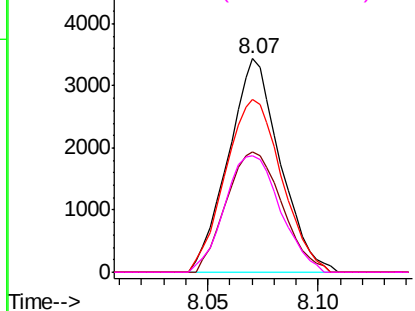
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

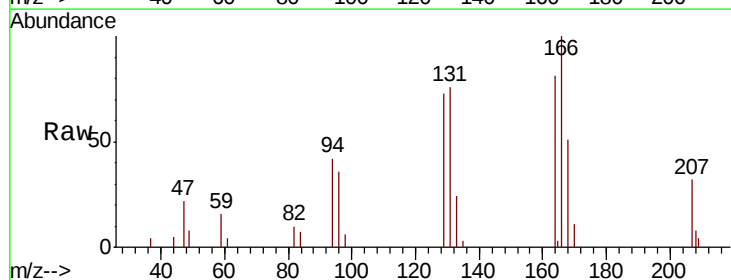
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 4.590 ug/L
 RT: 8.23 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VU026640.D
 Acq: 10 Sep 2018 10:27

Tgt Ion:	164	Resp:	4749
Ion	Ratio	Lower	Upper
164	100		
129	89.5	65.0	120.8
131	93.7	62.5	116.1
166	123.5	89.0	165.2



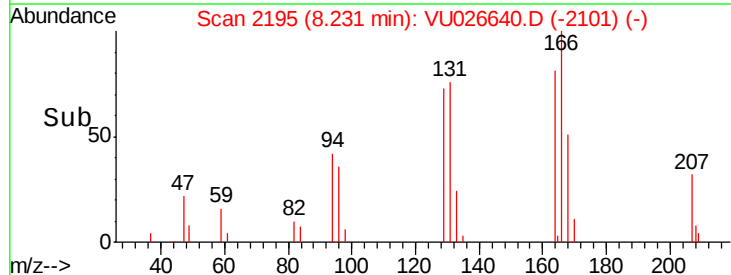
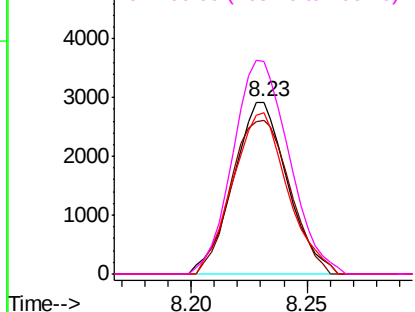
Abundance

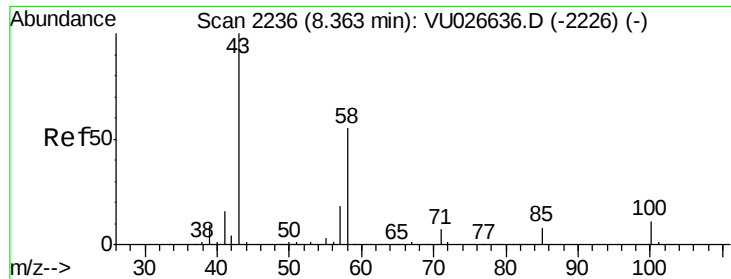
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

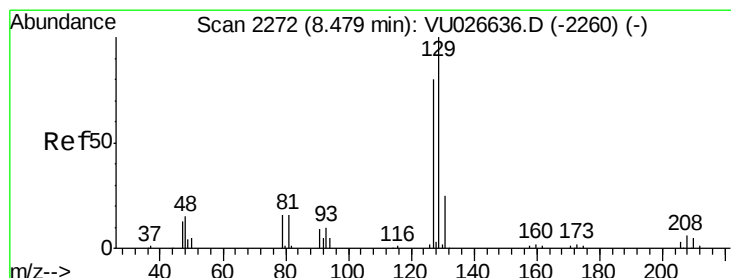
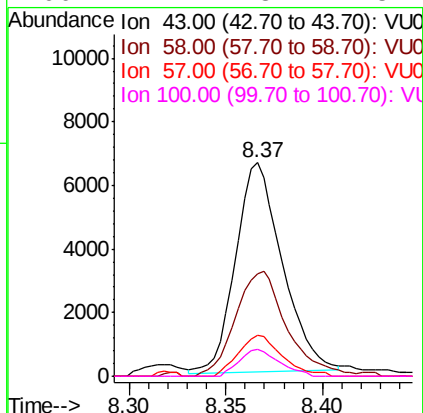
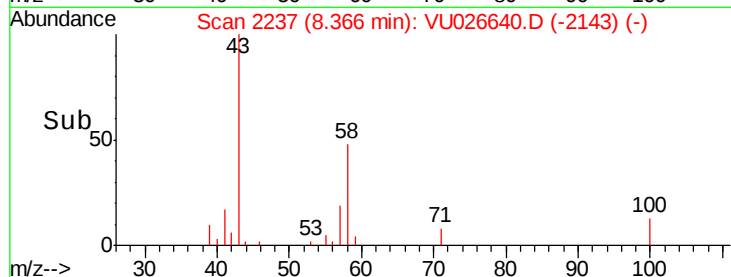
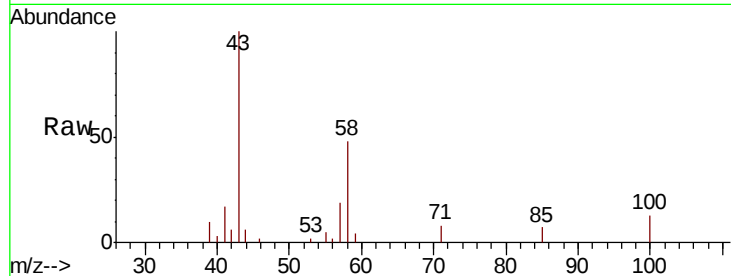




#48
2-Hexanone
Concen: 7.381 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

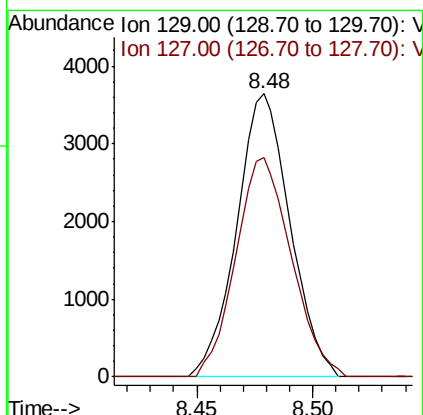
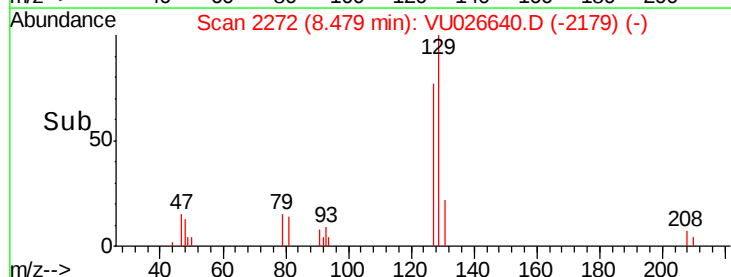
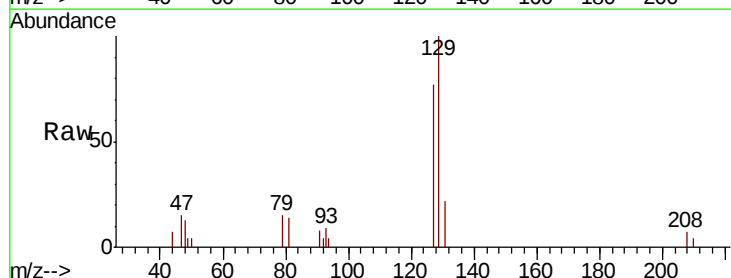
Instrument :
MSVOA_U
ClientSampleId :

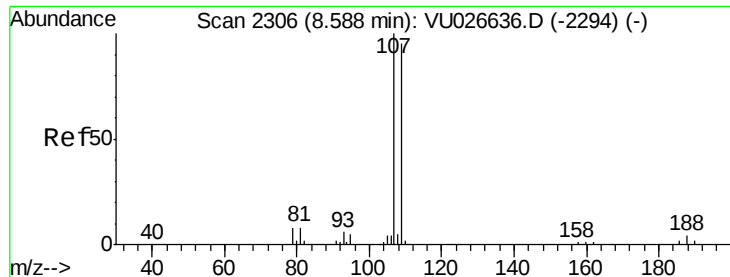
Tot Ion: 43 Resp: 10998
Ion Ratio Lower Upper
43 100
58 55.4 42.2 63.4
57 18.1 14.4 21.6
100 11.1 8.7 13.1



#49
Dibromochloromethane
Concen: 4.106 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

Tgt Ion: 129 Resp: 5825
Ion Ratio Lower Upper
129 100
127 77.4 55.8 103.6

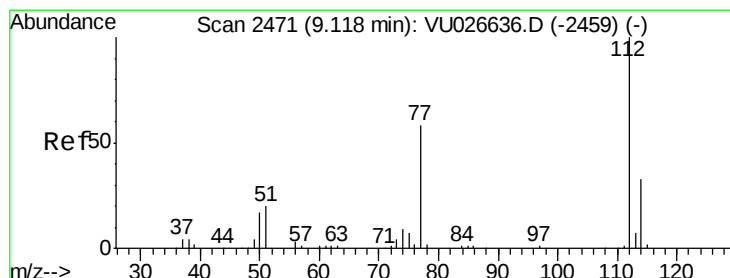
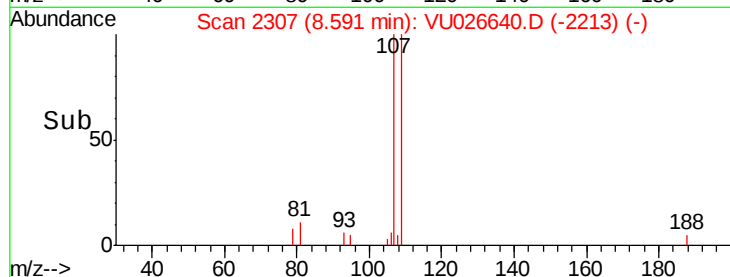
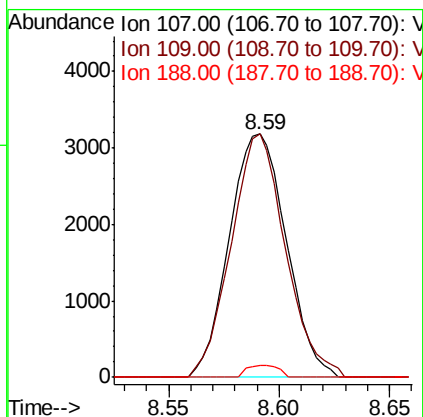
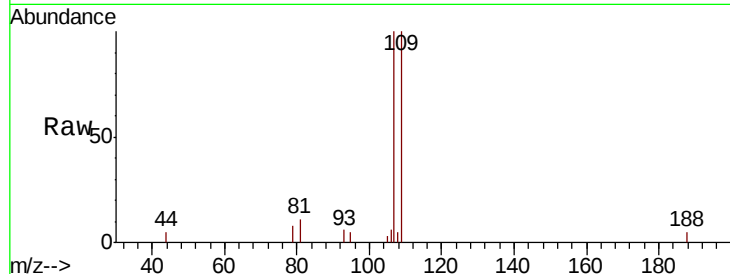




#50
1,2-Dibromoethane
Concen: 4.344 ug/L
RT: 8.59 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

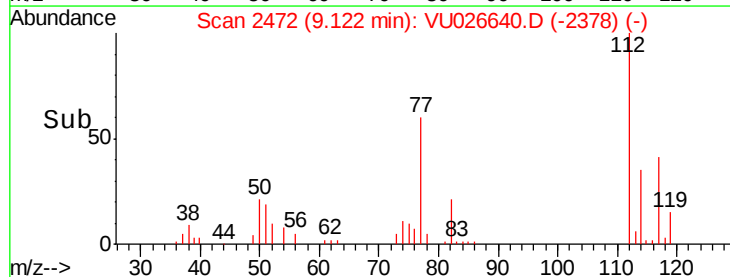
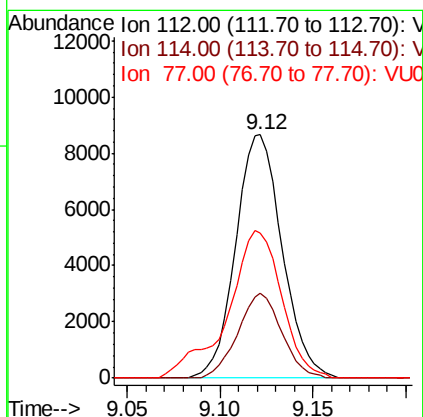
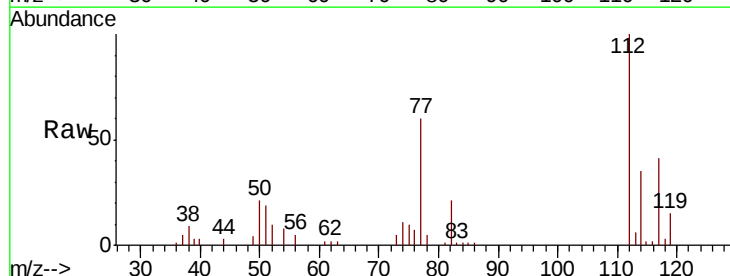
Instrument :
MSVOA_U
ClientSampleId :

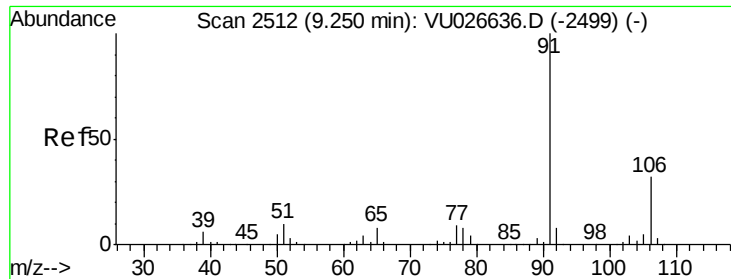
Tot Ion:107 Resp: 5703
Ion Ratio Lower Upper
107 100
109 100.1 66.4 123.4
188 5.1 3.0 4.4#



#51
Chlorobenzene
Concen: 4.471 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

Tgt Ion:112 Resp: 15071
Ion Ratio Lower Upper
112 100
114 34.7 22.9 42.5
77 59.7 47.2 70.8





#52

Ethylbenzene

Concen: 4.142 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

Instrument :

MSVOA_U

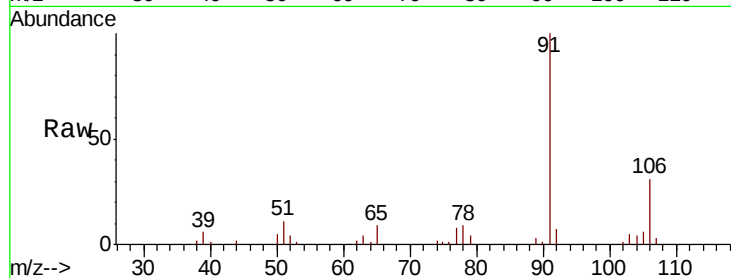
ClientSampled :

Tot Ion: 91 Resp: 22995

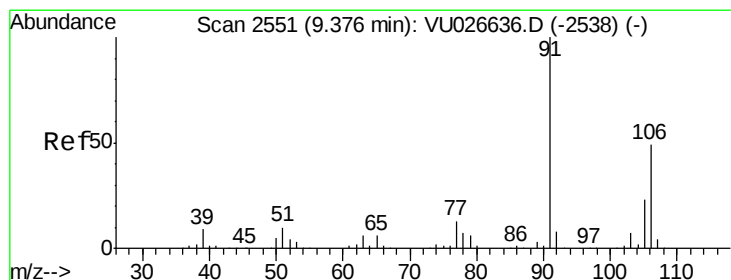
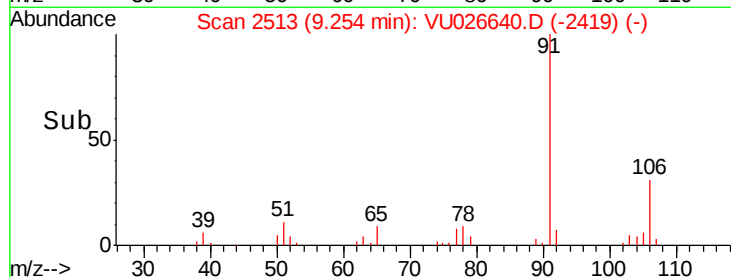
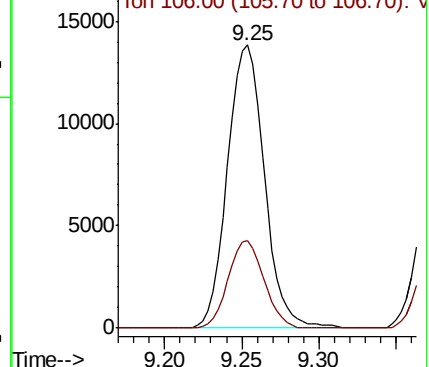
Ion Ratio Lower Upper

91 100

106 30.7 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU026640.D (-2499) (-)



#53

m,p-Xylene

Concen: 3.943 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU026640.D

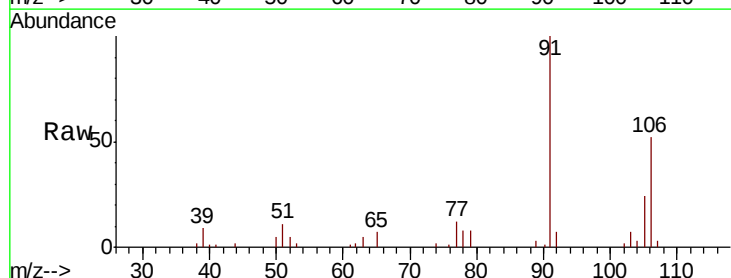
Acq: 10 Sep 2018 10:27

Tgt Ion: 106 Resp: 8253

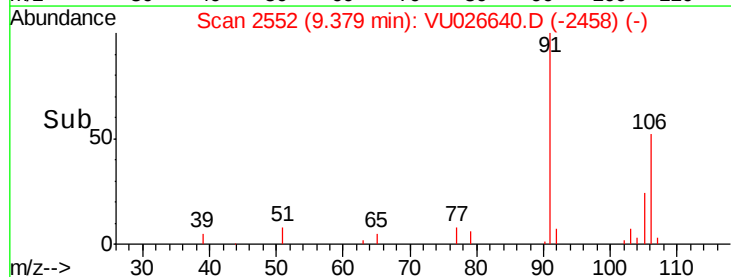
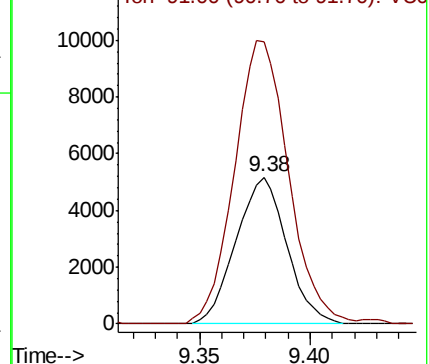
Ion Ratio Lower Upper

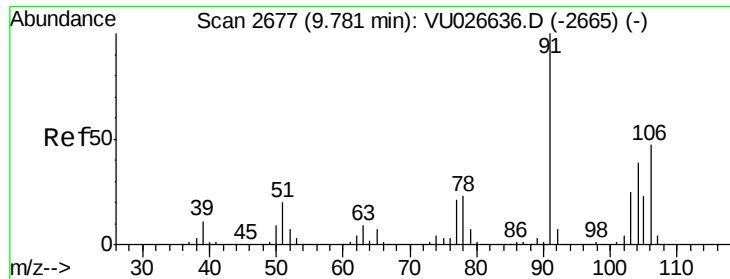
106 100

91 192.6 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): VU026640.D (-2538) (-)

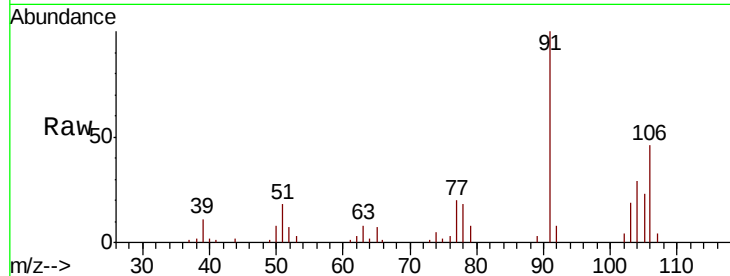




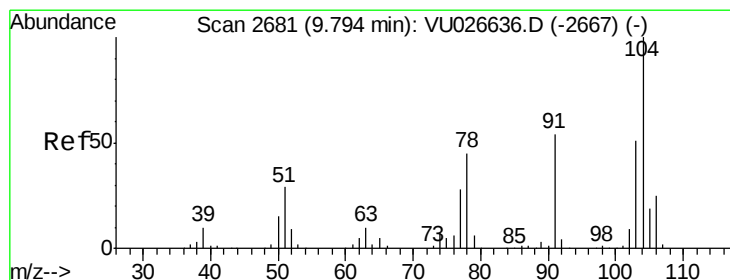
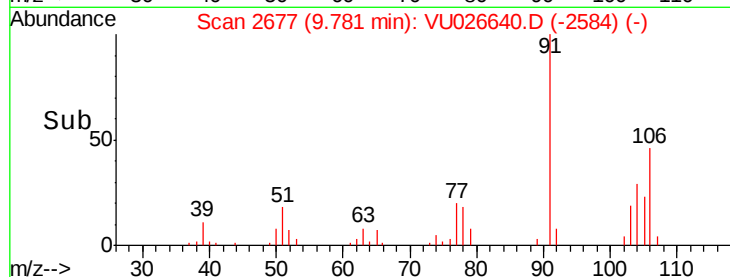
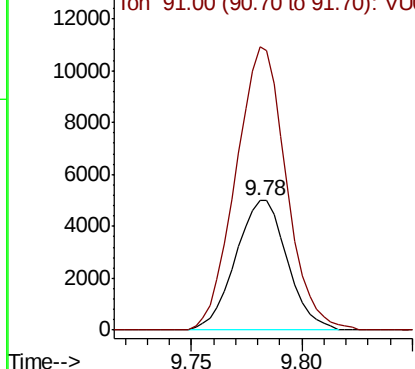
#54
o-xylene
Concen: 3.920 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 8144
Ion Ratio Lower Upper
106 100
91 218.4 149.4 277.4

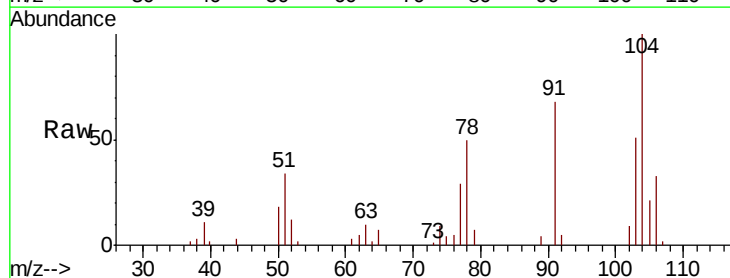


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

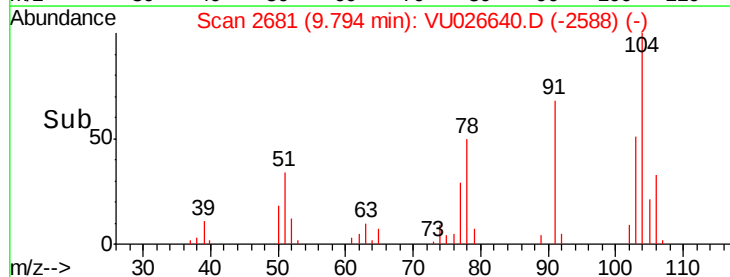
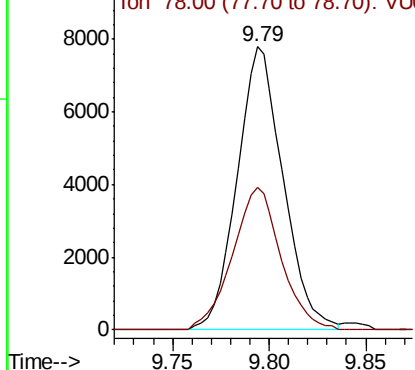


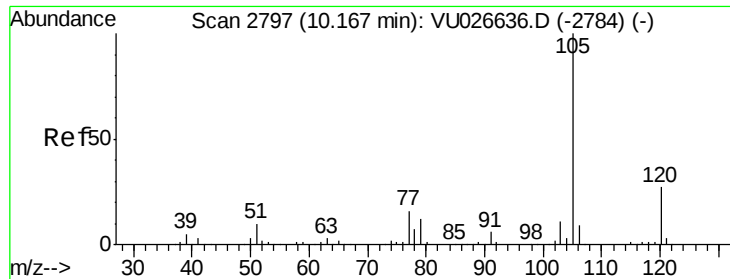
#55
Styrene
Concen: 3.665 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

Tgt Ion:104 Resp: 12879
Ion Ratio Lower Upper
104 100
78 50.2 31.7 58.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 3.783 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

Instrument :

MSVOA_U

ClientSampleId :

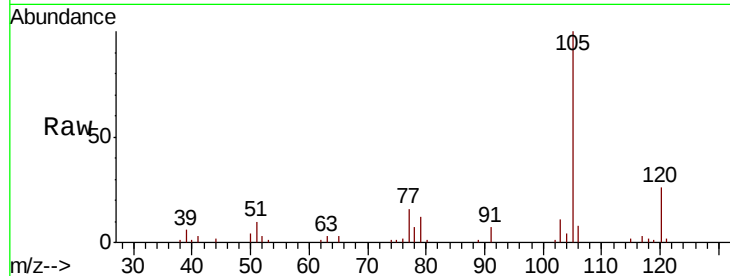
Tot Ion:105 Resp: 20020

Ion Ratio Lower Upper

105 100

120 26.2 21.5 32.3

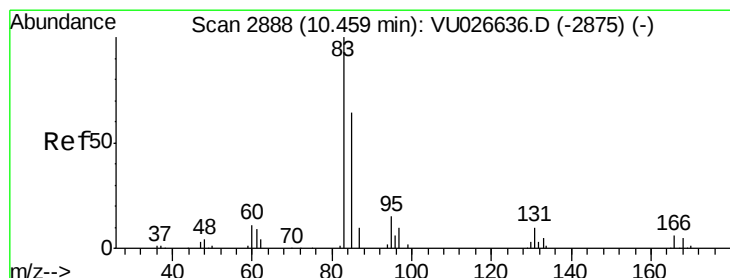
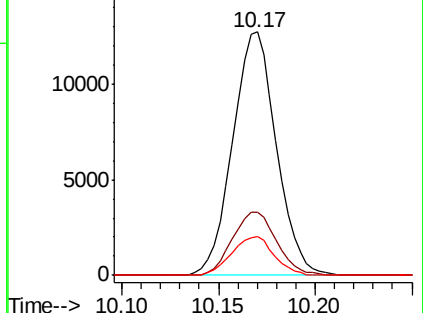
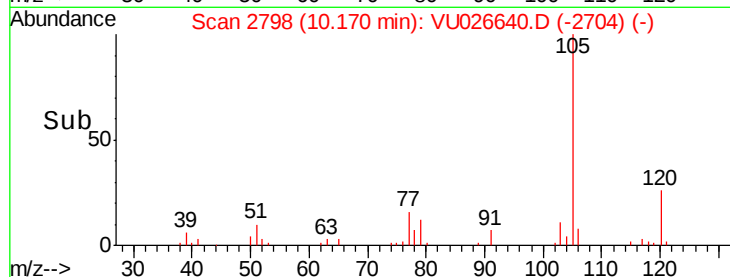
77 15.4 12.6 18.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.243 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

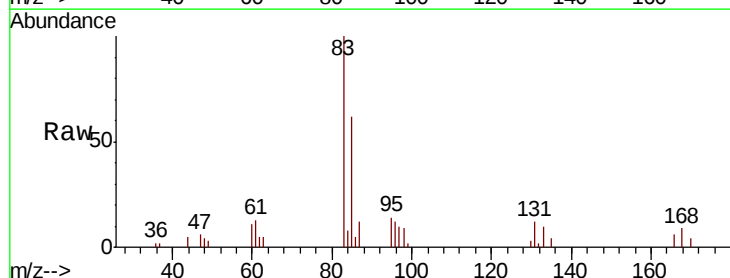
Tgt Ion: 83 Resp: 9022

Ion Ratio Lower Upper

83 100

85 62.5 45.4 84.2

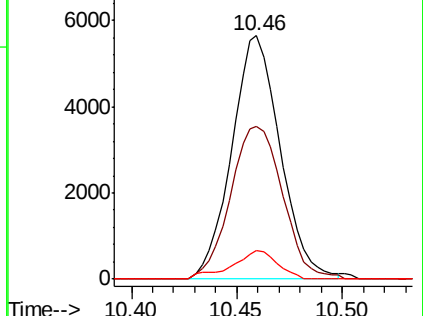
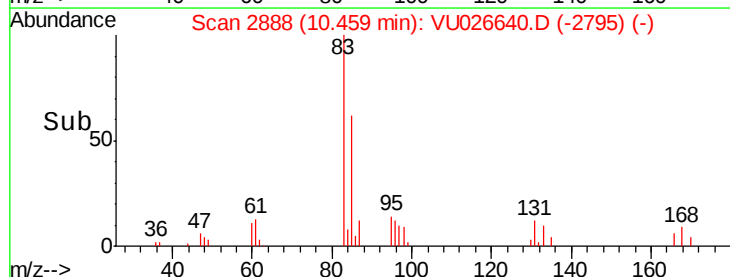
131 11.6 8.0 12.0

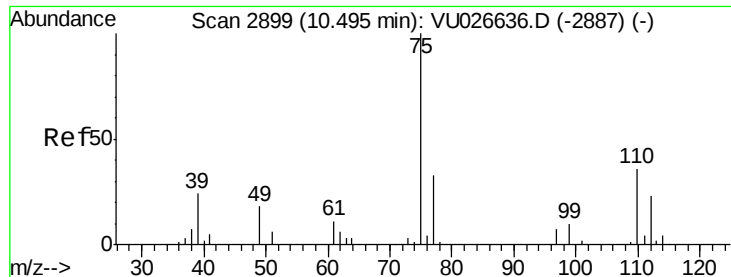


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

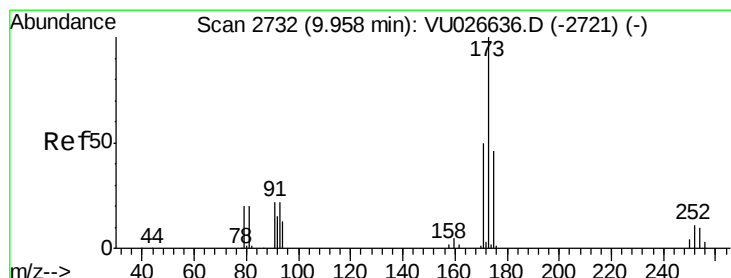
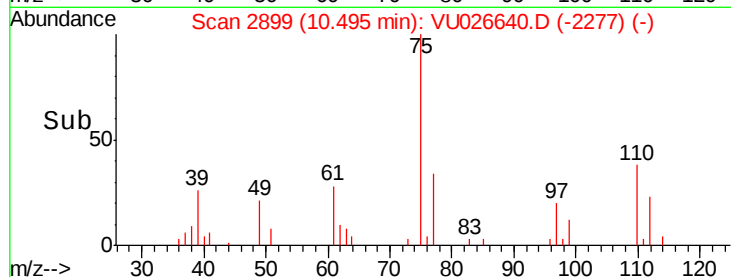
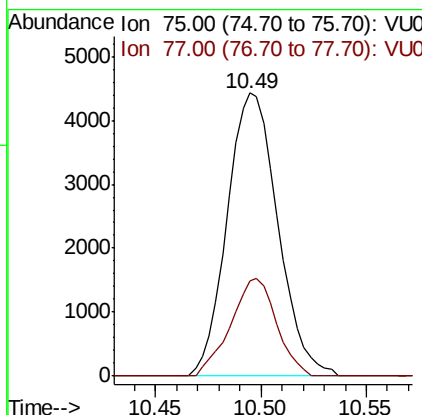
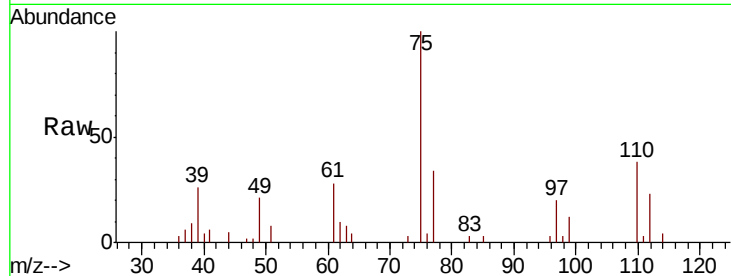




#59
 1,2,3-Trichloropropane
 Concen: 4.502 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU026640.D
 Acq: 10 Sep 2018 10:27

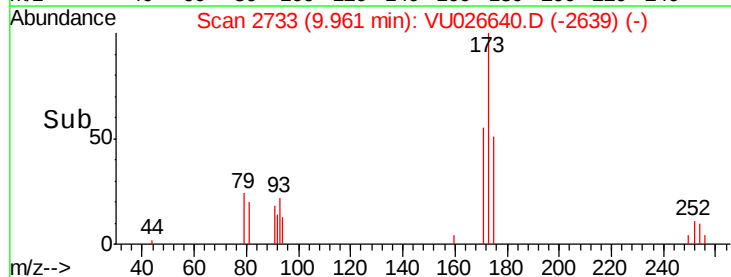
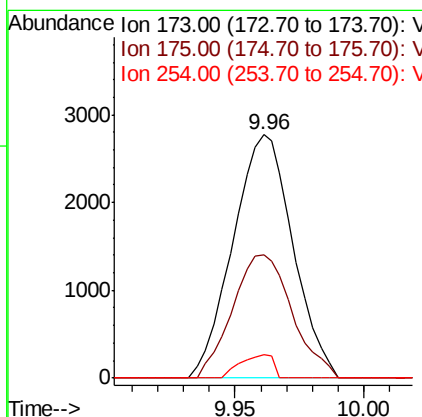
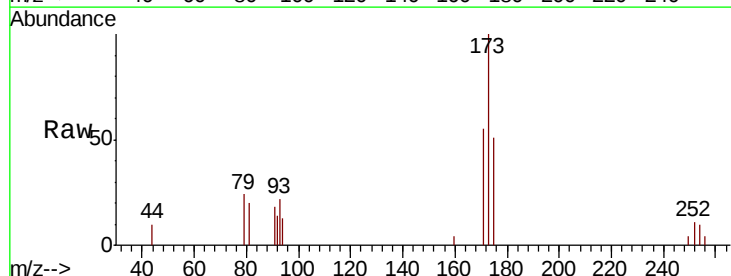
Instrument :
 MSVOA_U
 ClientSampleId :

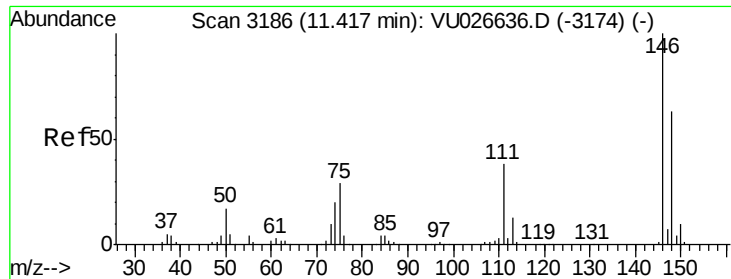
Tot Ion: 75 Resp: 7370
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.8 38.6



#61
 Bromoform
 Concen: 4.533 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU026640.D
 Acq: 10 Sep 2018 10:27

Tgt Ion: 173 Resp: 4487
 Ion Ratio Lower Upper
 173 100
 175 50.4 38.2 57.4
 254 5.4 8.2 12.4#





#62

1,3-Dichlorobenzene

Concen: 4.683 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

Instrument :

MSVOA_U

ClientSampleId :

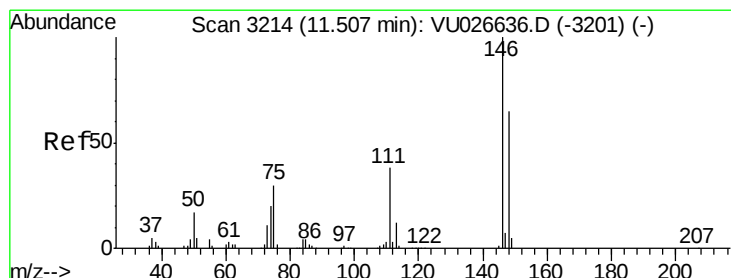
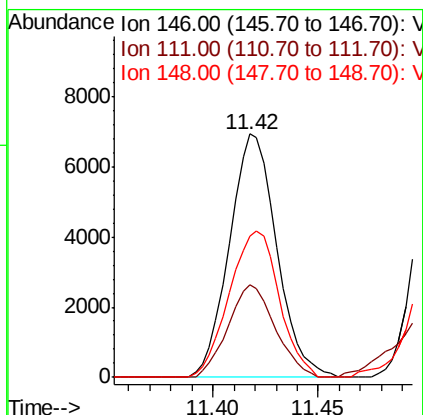
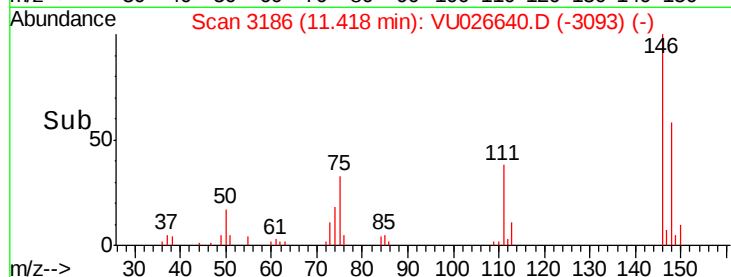
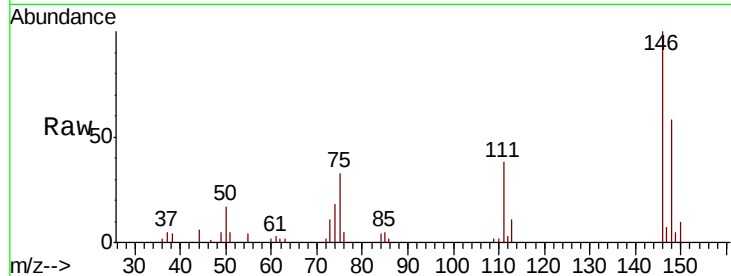
Tot Ion:146 Resp: 10803

Ion Ratio Lower Upper

146 100

111 37.9 26.7 49.5

148 57.9 44.2 82.2



#63

1,4-Dichlorobenzene

Concen: 4.997 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

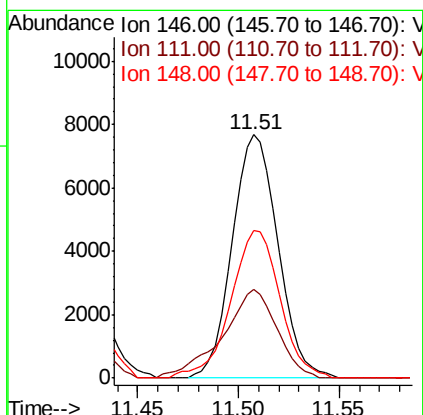
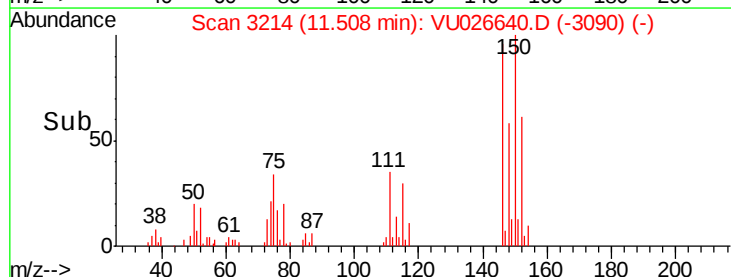
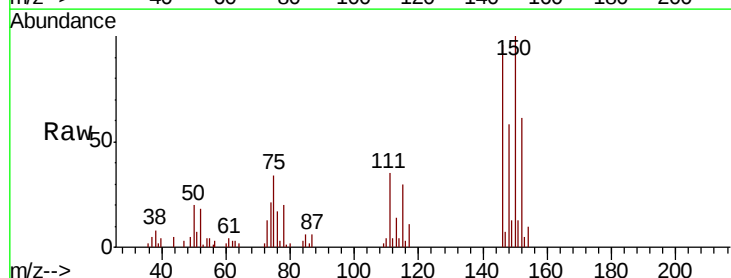
Tgt Ion:146 Resp: 12213

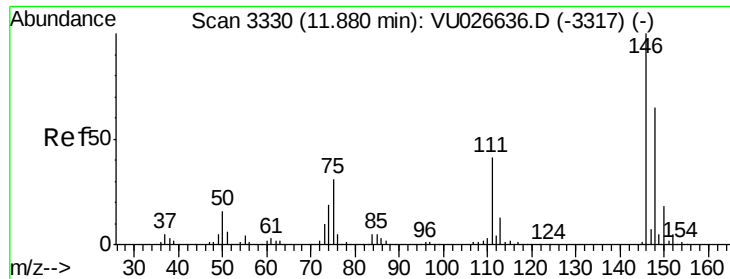
Ion Ratio Lower Upper

146 100

111 36.2 26.5 49.3

148 60.8 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 4.481 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

Instrument :

MSVOA_U

ClientSampleId :

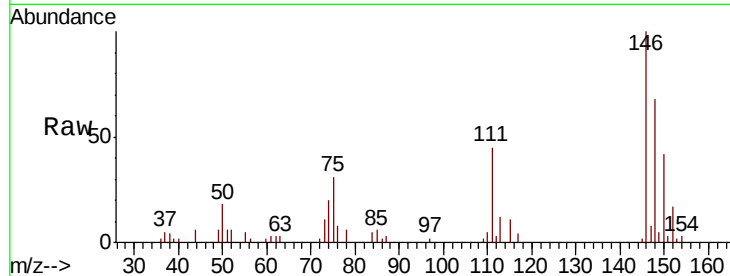
Tot Ion:146 Resp: 10925

Ion Ratio Lower Upper

146 100

111 44.9 32.8 49.2

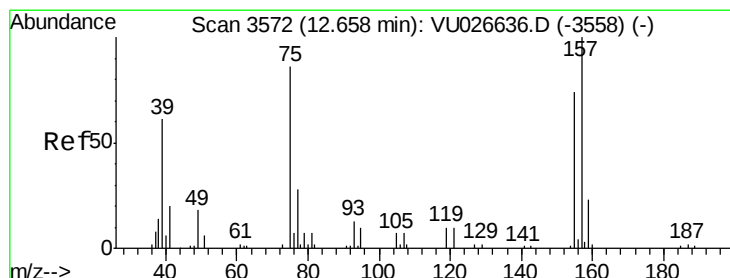
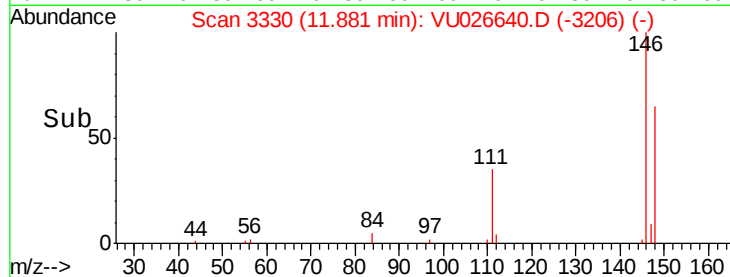
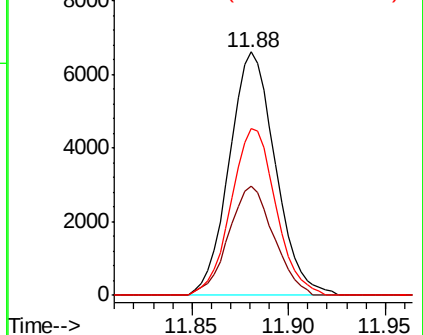
148 68.3 52.2 78.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.592 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026640.D

Acq: 10 Sep 2018 10:27

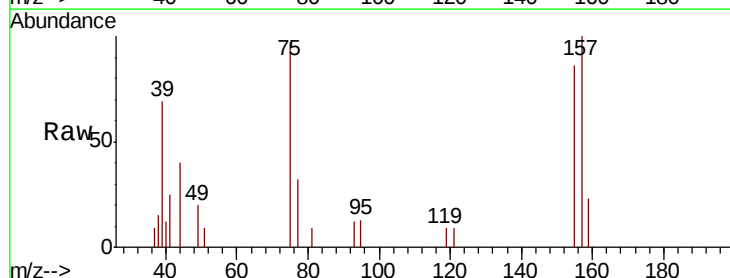
Tgt Ion: 75 Resp: 1809

Ion Ratio Lower Upper

75 100

155 89.0 69.3 103.9

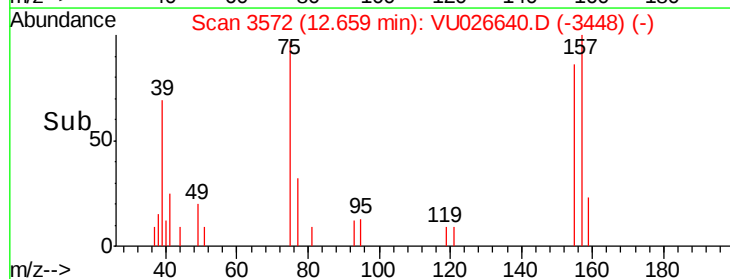
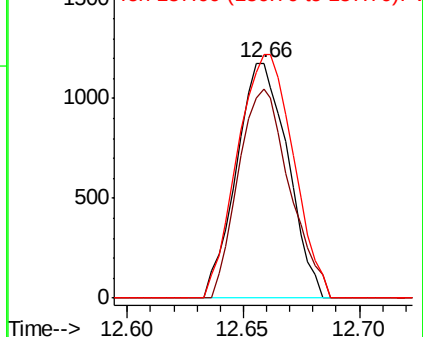
157 103.5 93.4 140.0

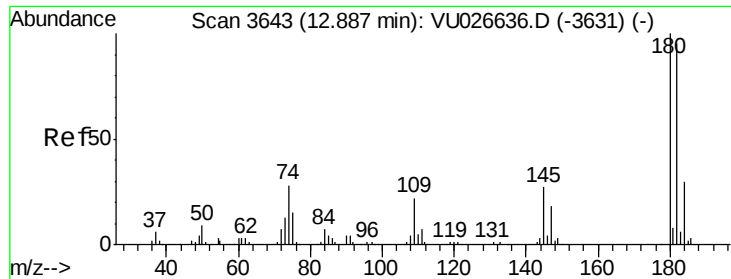


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

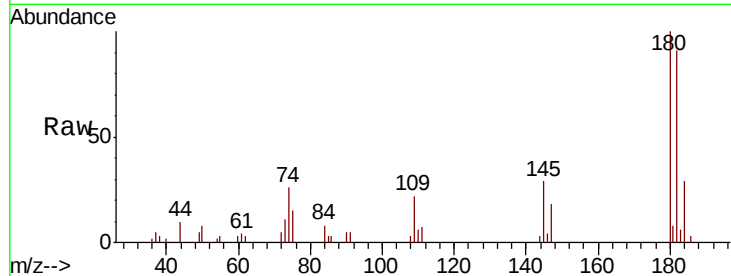




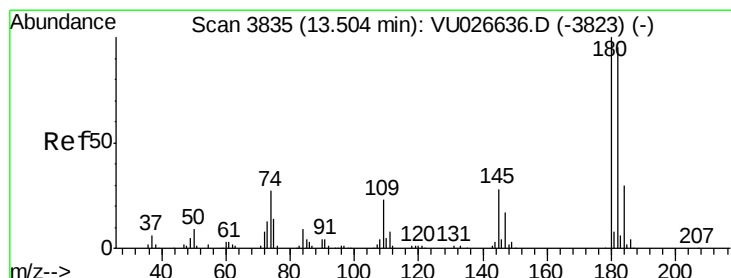
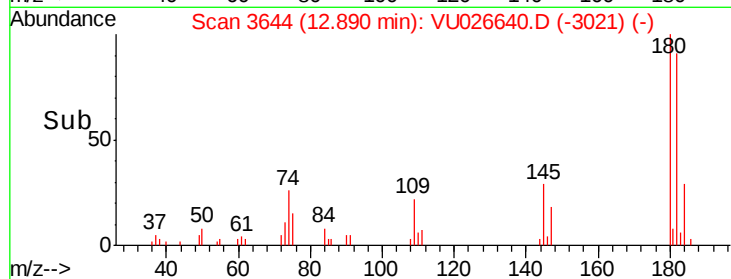
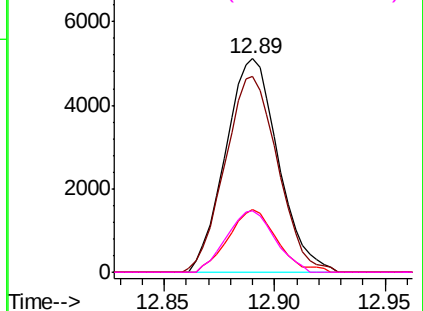
#67
 1,3,5-Trichlorobenzene
 Concen: 4.635 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026640.D
 Acq: 10 Sep 2018 10:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	8482
Ion Ratio	Lower	Upper
180	100	
182	91.5	76.8 115.2
184	26.4	24.2 36.2
145	26.3	21.4 32.2

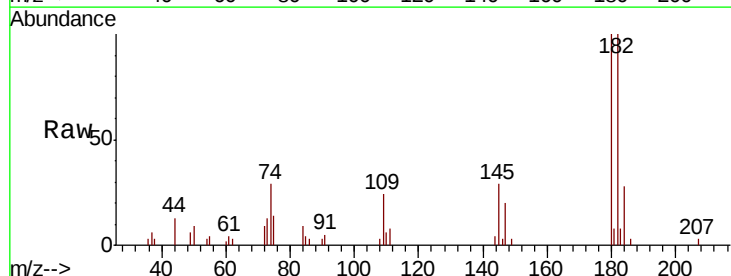


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

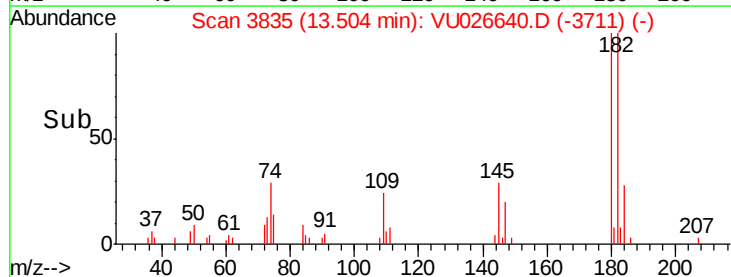
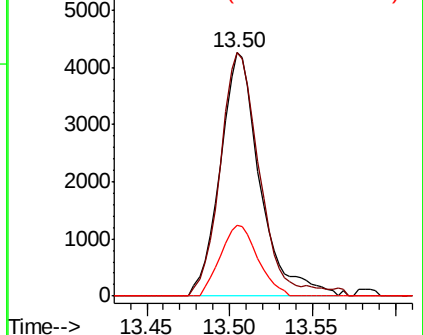


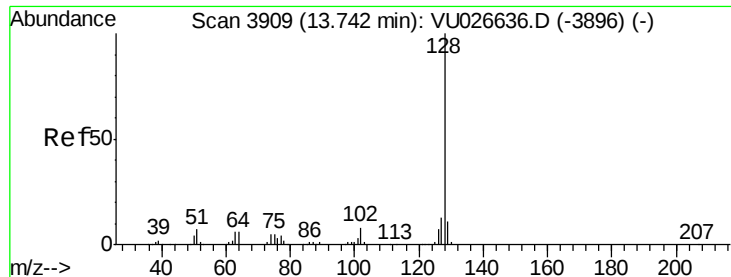
#68
 1,2,4-trichlorobenzene
 Concen: 4.461 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026640.D
 Acq: 10 Sep 2018 10:27

Tgt Ion:180	Resp:	7095
Ion Ratio	Lower	Upper
180	100	
182	96.7	76.0 114.0
145	27.4	23.4 35.0



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

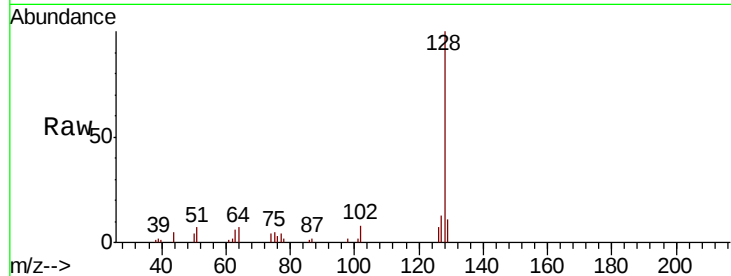




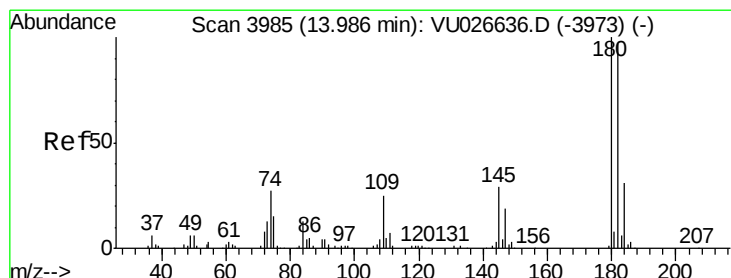
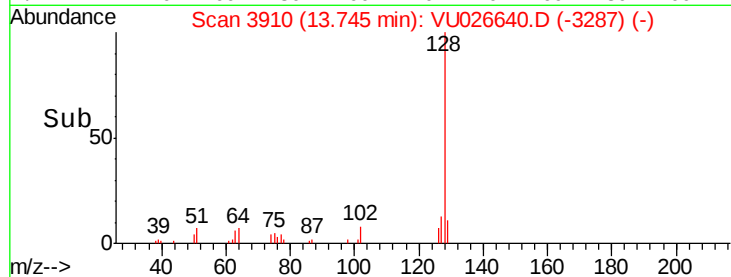
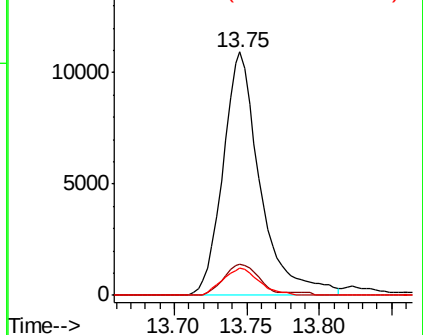
#69
Naphthalene
Concen: 3.985 ug/L
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:128 Resp: 19422
Ion Ratio Lower Upper
128 100
127 11.8 10.3 15.5
129 10.8 8.6 13.0

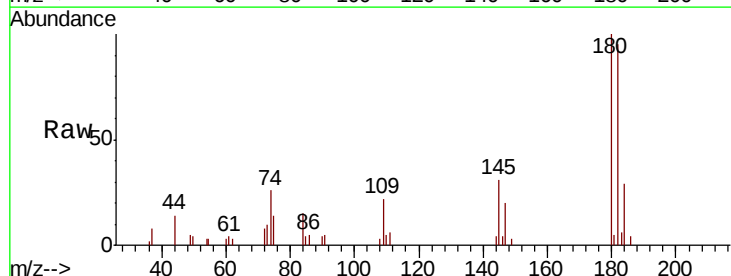


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 4.532 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026640.D
Acq: 10 Sep 2018 10:27

Tgt Ion:180 Resp: 7808
Ion Ratio Lower Upper
180 100
182 93.8 76.7 115.1
145 27.7 23.0 34.6



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

