

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\
 Data File : VU026180.D
 Acq On : 17 Aug 2018 15:46
 Operator : MD/SY
 Sample : VSTD0.540
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 18 00:00:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 17 23:59:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	162783	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	155682	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	73422	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	3394	0.30	ug/L	0.00
7) Chloroethane-d5	1.68	69	2649	0.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	7754	0.37	ug/L	0.00
20) 2-Butanone-d5	4.20	46	9489	3.30	ug/L	0.00
24) Chloroform-d	4.65	84	7990	0.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	2337	0.22	ug/L	0.00
32) Benzene-d6	5.35	84	14326	0.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	4617	0.34	ug/L	0.00
41) Toluene-d8	7.57	98	13507	0.33	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	1774	0.38	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	6230	2.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	3872	0.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.87	152	5238	0.35	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	7925	0.597 ug/L	94
3) Chloromethane	1.33	50	7225	0.534 ug/L	95
5) Vinyl chloride	1.40	62	6957	0.518 ug/L	98
6) Bromomethane	1.63	94	3667	0.523 ug/L	96
8) Chloroethane	1.70	64	3967	0.421 ug/L	84
9) Trichlorofluoromethane	1.89	101	9677	0.543 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5080	0.481 ug/L	93
12) 1,1-Dichloroethene	2.29	96	4949	0.498 ug/L	92
13) Acetone	2.33	43	9943	5.833 ug/L	96
14) Carbon disulfide	2.48	76	18028	0.538 ug/L	96
15) Methyl Acetate	2.62	43	1215	0.234 ug/L #	60
16) Methylene chloride	2.71	84	7006	0.619 ug/L	89
17) Methyl tert-butyl Ether	3.00	73	11457	0.477 ug/L #	91
18) trans-1,2-Dichloroethene	2.99	96	5770	0.537 ug/L	95
19) 1,1-Dichloroethane	3.45	63	10326	0.504 ug/L	91
21) 2-Butanone	4.28	43	13766	4.637 ug/L	98
22) cis-1,2-Dichloroethene	4.24	96	6868	0.566 ug/L	89
23) Bromochloromethane	4.55	128	3148	0.583 ug/L #	85
25) Chloroform	4.68	83	12028	0.566 ug/L	98
27) 1,2-Dichloroethane	5.41	62	7136	0.558 ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	10784	0.621 ug/L	96
30) Cyclohexane	5.00	56	8264	0.462 ug/L	99
31) Carbon tetrachloride	5.14	117	9301	0.611 ug/L	96
33) Benzene	5.39	78	21949	0.478 ug/L	100
34) Trichloroethene	6.19	95	6417	0.531 ug/L	94
35) Methylcyclohexane	6.42	83	8853	0.477 ug/L	96
37) 1,2-Dichloropropane	6.44	63	6646	0.551 ug/L #	99
38) Bromodichloromethane	6.76	83	7659	0.545 ug/L	95
39) cis-1,3-Dichloropropene	7.27	75	7096	0.472 ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	30489	4.614 ug/L	97

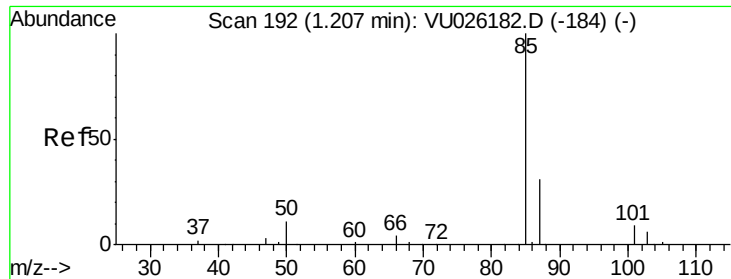
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\
 Data File : VU026180.D
 Acq On : 17 Aug 2018 15:46
 Operator : MD/SY
 Sample : VSTD0.540
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 18 00:00:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 17 23:59:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	22236	0.471	ug/L	96
44) trans-1,3-Dichloropropene	7.89	75	6122	0.502	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	4414	0.546	ug/L	94
47) Tetrachloroethene	8.23	164	5691	0.568	ug/L	94
48) 2-Hexanone	8.37	43	20887	4.396	ug/L #	93
49) Dibromochloromethane	8.48	129	5411	0.572	ug/L	94
50) 1,2-Dibromoethane	8.60	107	3739	0.501	ug/L #	90
51) Chlorobenzene	9.12	112	16091	0.517	ug/L	99
52) Ethylbenzene	9.26	91	23051	0.471	ug/L	97
53) m,p-xylene	9.38	106	8179	0.439	ug/L	85
54) o-xylene	9.78	106	7946	0.437	ug/L	95
55) Styrene	9.80	104	12796	0.424	ug/L	98
56) Isopropylbenzene	10.17	105	20051	0.422	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	4838	0.476	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	3674	0.535	ug/L	100
61) Bromoform	9.96	173	2904	0.537	ug/L	93
62) 1,3-Dichlorobenzene	11.42	146	12410	0.535	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	13856	0.593	ug/L	97
65) 1,2-Dichlorobenzene	11.89	146	12203	0.525	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	910	0.627	ug/L	89
67) 1,3,5-Trichlorobenzene	12.89	180	9130	0.506	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	7124	0.569	ug/L	94
69) Naphthalene	13.75	128	9589	0.510	ug/L #	97
70) 1,2,3-Trichlorobenzene	13.99	180	6747	0.552	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.597 ug/L

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

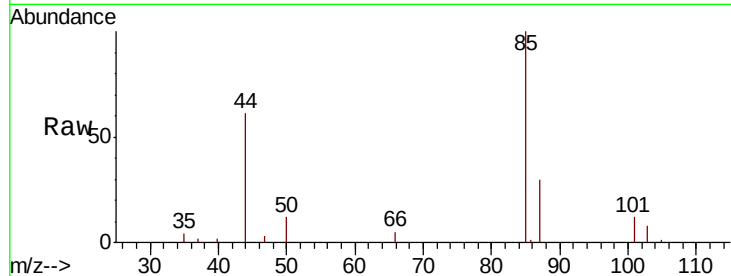
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 7925

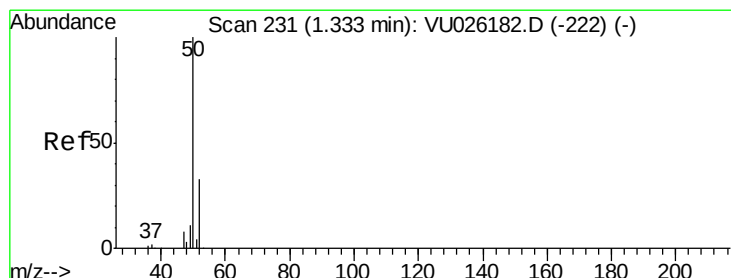
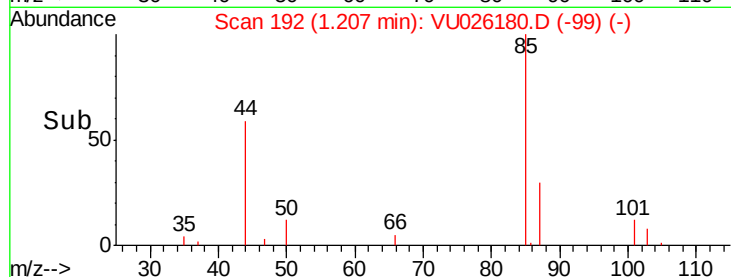
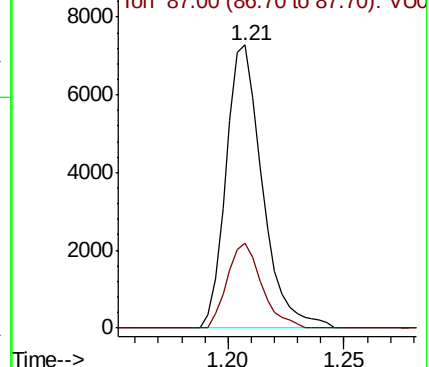
Ion Ratio Lower Upper

85 100

87 28.5 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VU026180.D (-99) (-)



#3

Chloromethane

Concen: 0.534 ug/L

RT: 1.33 min Scan# 231

Delta R.T. -0.00 min

Lab File: VU026180.D

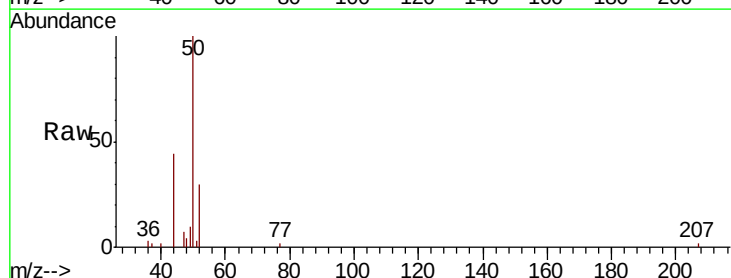
Acq: 17 Aug 2018 15:46

Tgt Ion: 50 Resp: 7225

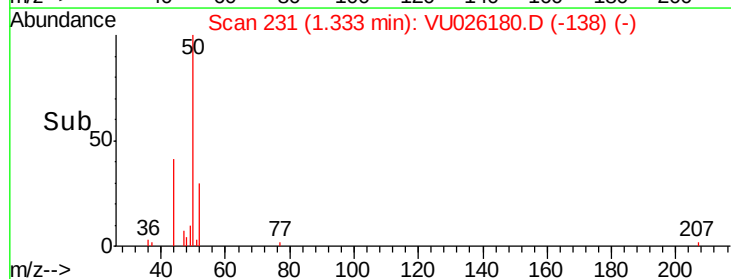
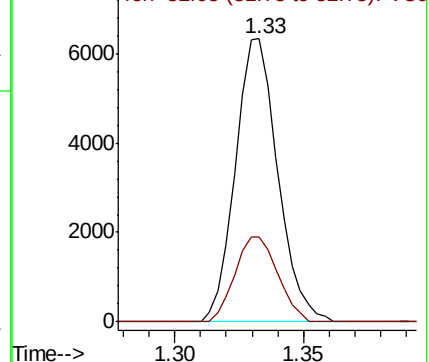
Ion Ratio Lower Upper

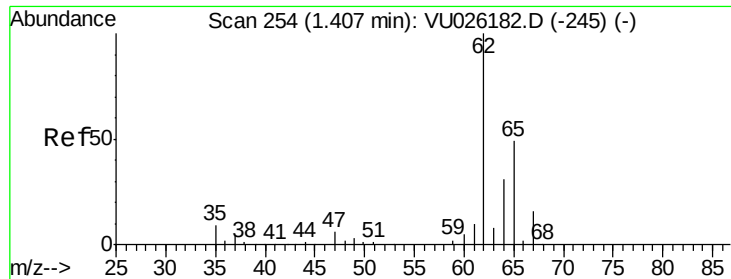
50 100

52 30.2 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU026180.D (-138) (-)





#5

Vinyl chloride

Concen: 0.518 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :

MSVOA_U

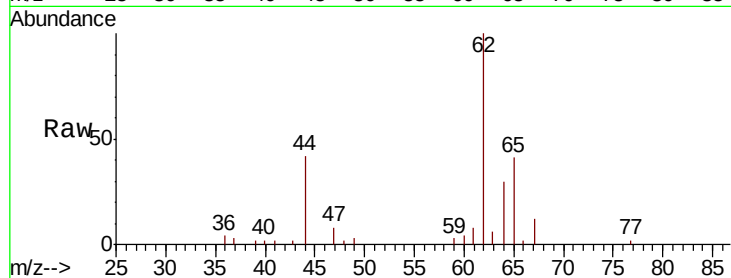
ClientSampleId :

Tot Ion: 62 Resp: 6957

Ion Ratio Lower Upper

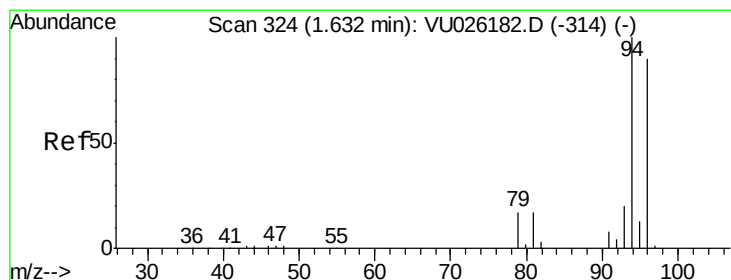
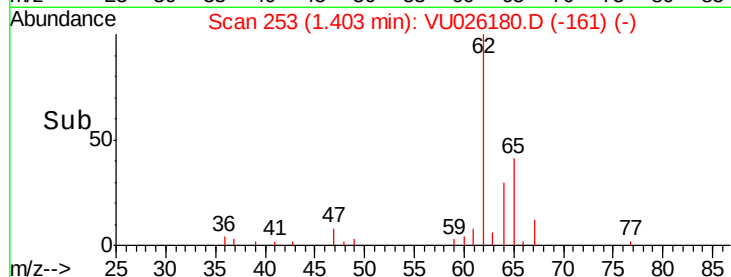
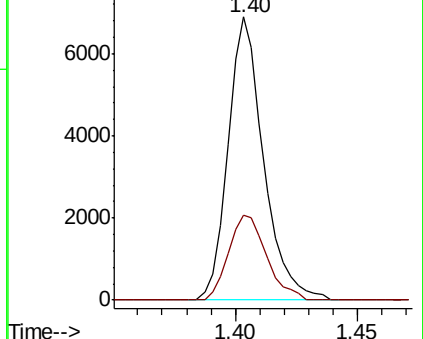
62 100

64 30.1 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.523 ug/L

RT: 1.63 min Scan# 324

Delta R.T. -0.00 min

Lab File: VU026180.D

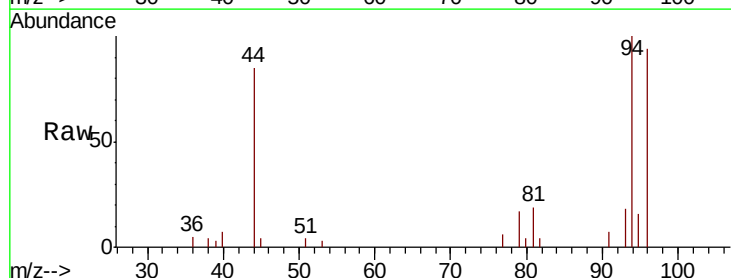
Acq: 17 Aug 2018 15:46

Tgt Ion: 94 Resp: 3667

Ion Ratio Lower Upper

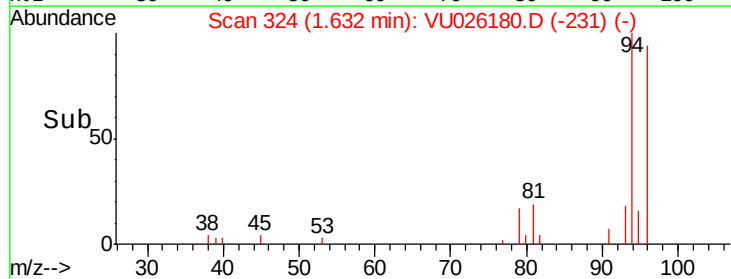
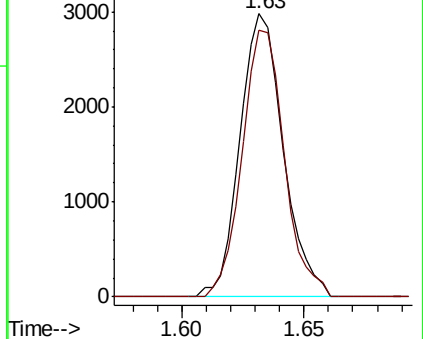
94 100

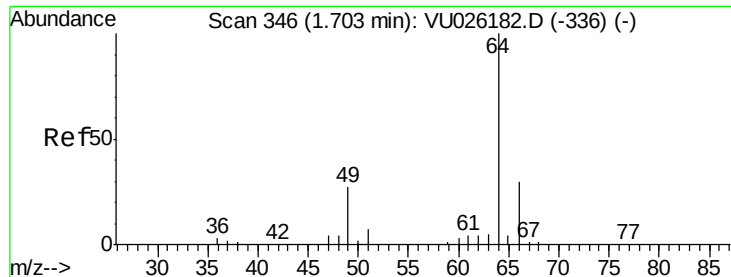
96 94.3 63.1 117.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.421 ug/L

RT: 1.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :

MSVOA_U

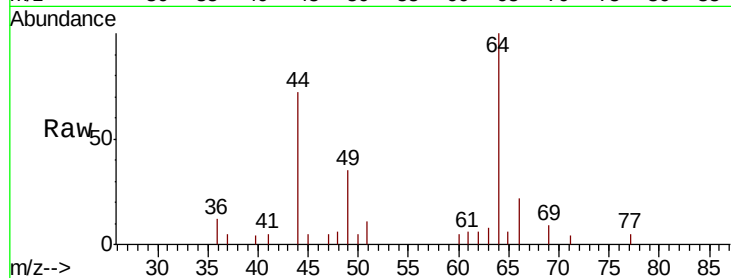
ClientSampled :

Tot Ion: 64 Resp: 3967

Ion Ratio Lower Upper

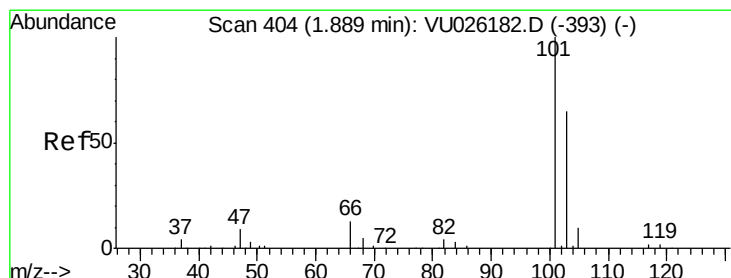
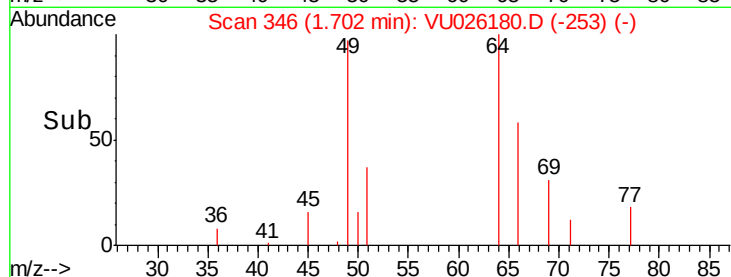
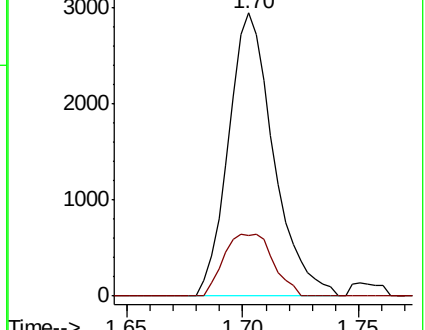
64 100

66 21.5 21.1 39.1



Abundance Ion 64.10 (63.80 to 64.80): VU026180.D (-336) (-)

Ion 66.05 (65.75 to 66.75): VU026180.D (-336) (-)



#9

Trichlorofluoromethane

Concen: 0.543 ug/L

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU026180.D

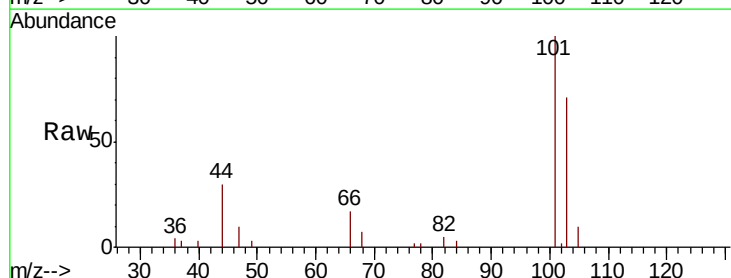
Acq: 17 Aug 2018 15:46

Tgt Ion: 101 Resp: 9677

Ion Ratio Lower Upper

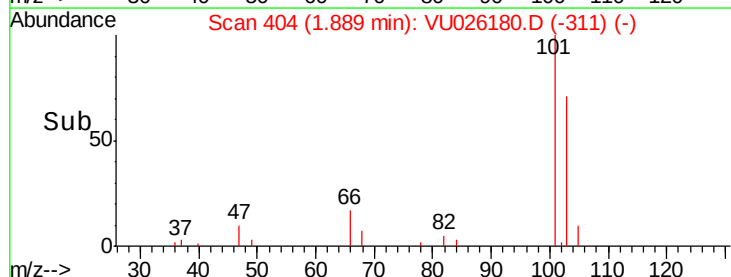
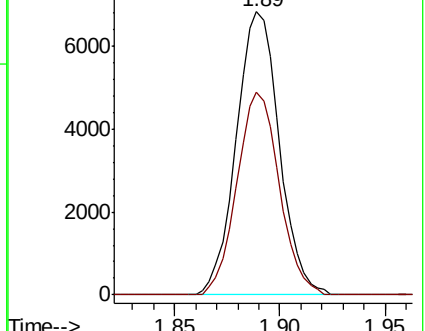
101 100

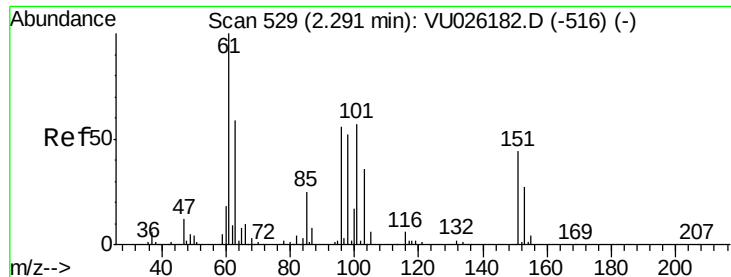
103 70.3 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VU026180.D (-393) (-)

Ion 103.00 (102.70 to 103.70): VU026180.D (-393) (-)





#10

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

Concen: 0.481 ug/L

RT: 2.29 min Scan# 529

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :

MSVOA_U

ClientSampleId :

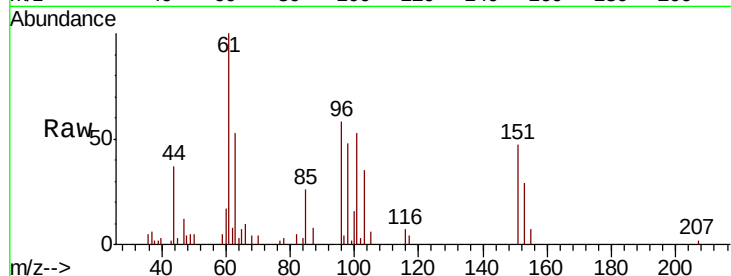
Tot Ion:101 Resp: 5080

Ion Ratio Lower Upper

101 100

85 49.3 36.6 54.8

151 86.8 63.4 95.2

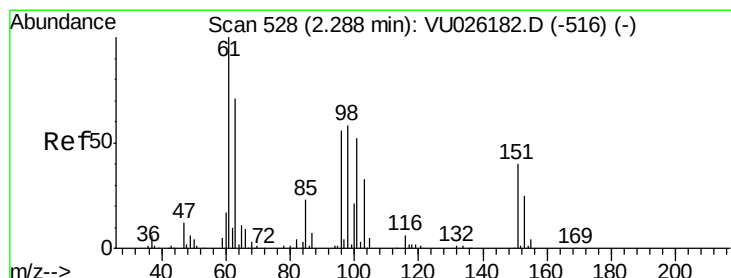
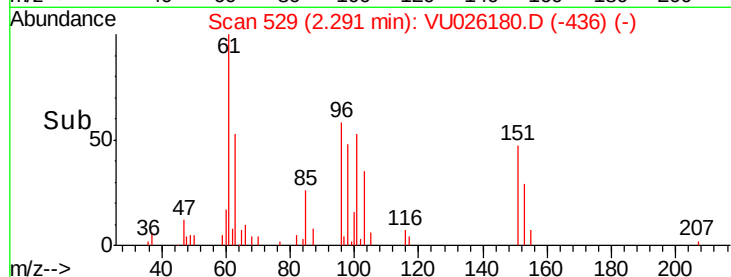
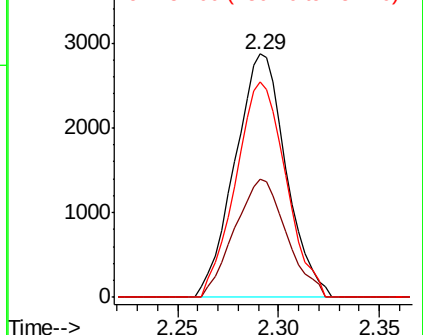


Abundance

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: 0.498 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

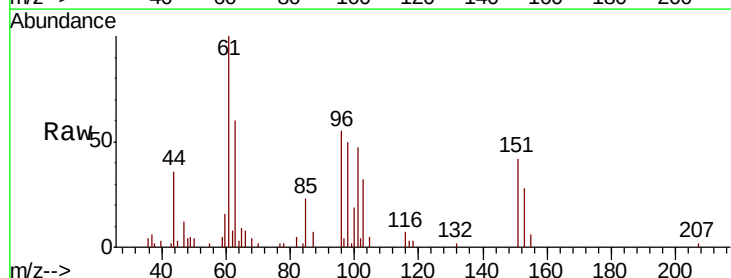
Tgt Ion: 96 Resp: 4949

Ion Ratio Lower Upper

96 100

61 182.0 125.3 232.7

63 110.0 90.9 168.9

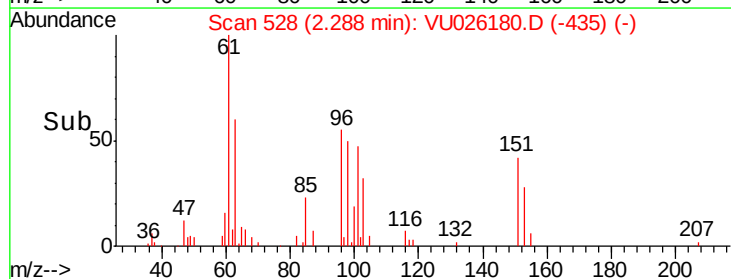
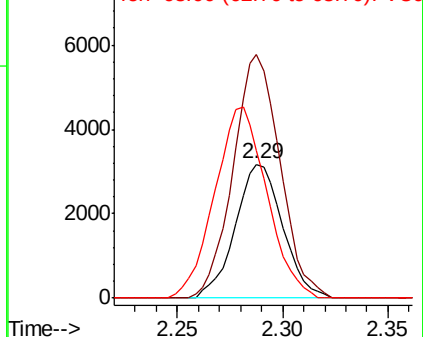


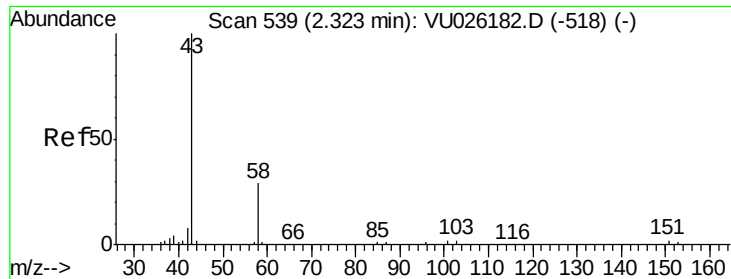
Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.833 ug/L

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

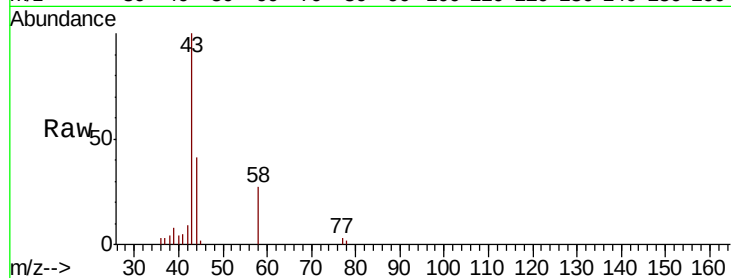
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 9943

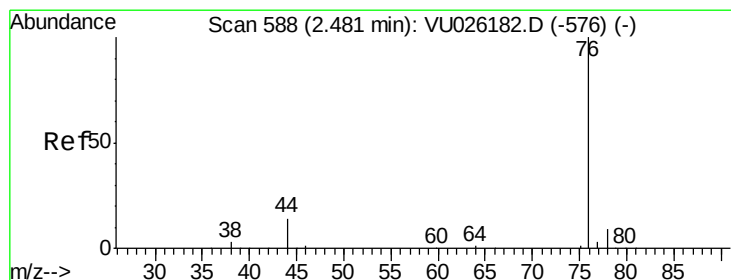
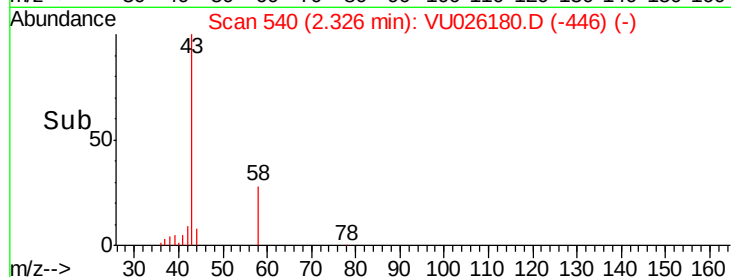
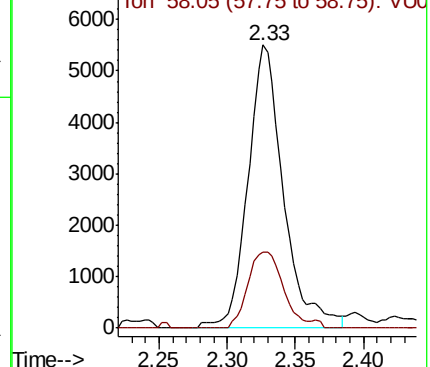
Ion Ratio Lower Upper

43 100

58 27.5 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU026180.D (-518) (-)



#14

Carbon disulfide

Concen: 0.538 ug/L

RT: 2.48 min Scan# 589

Delta R.T. 0.00 min

Lab File: VU026180.D

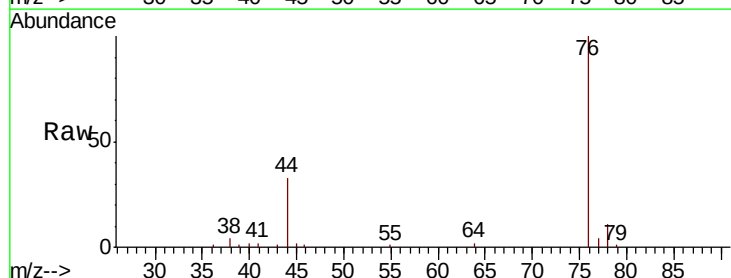
Acq: 17 Aug 2018 15:46

Tgt Ion: 76 Resp: 18028

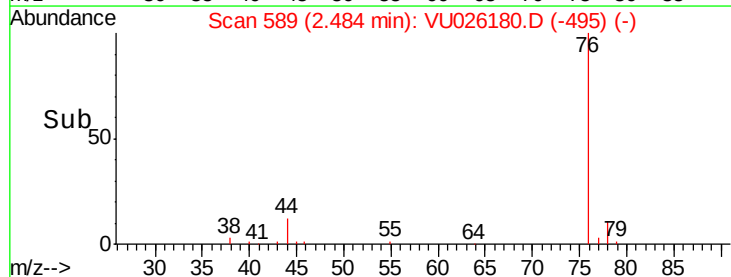
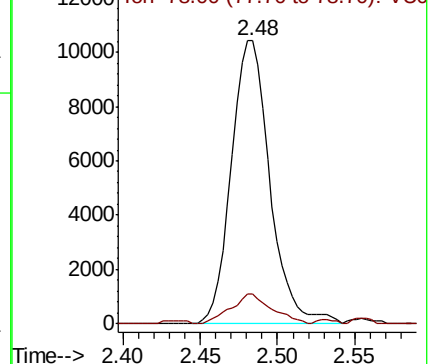
Ion Ratio Lower Upper

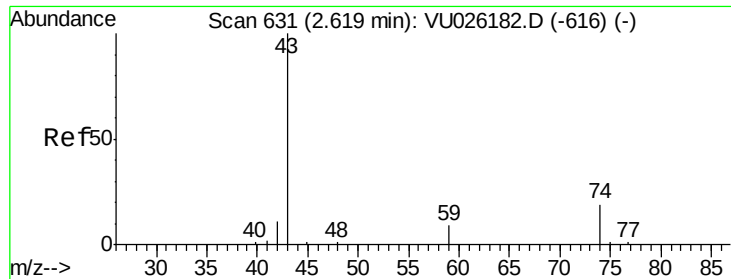
76 100

78 10.6 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU026180.D (-495) (-)

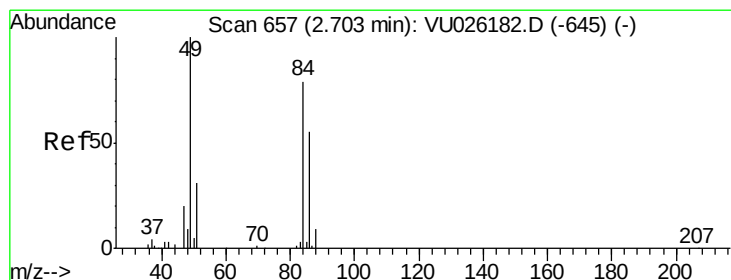
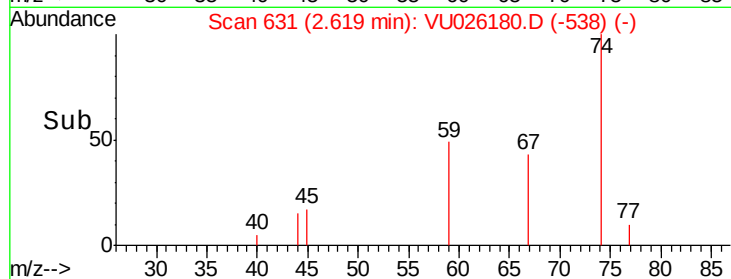
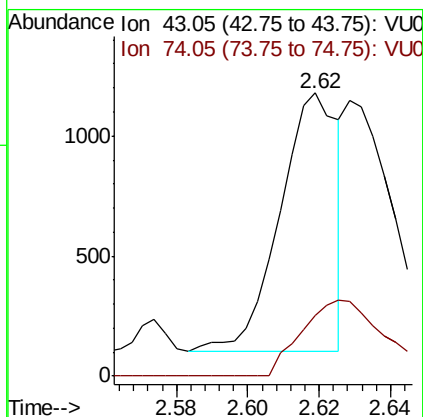
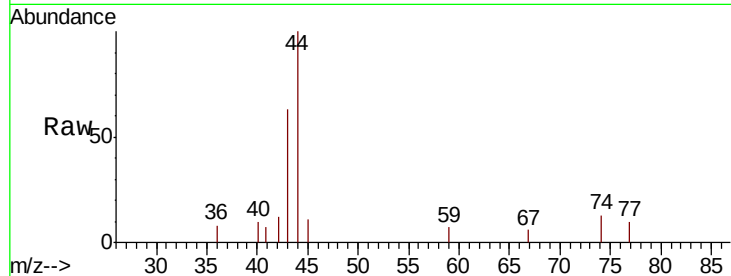




#15
Methvl Acetate
Concen: 0.234 ug/L
RT: 2.62 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU026180.D
Acq: 17 Aug 2018 15:46

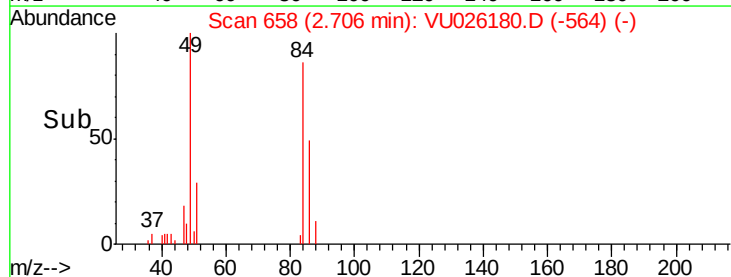
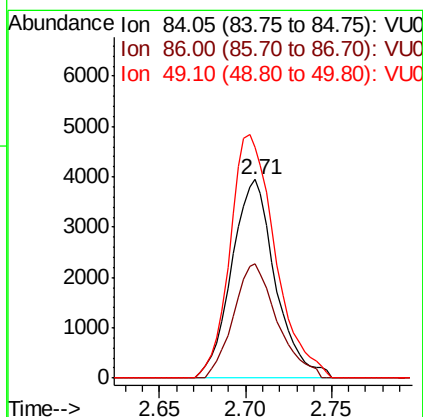
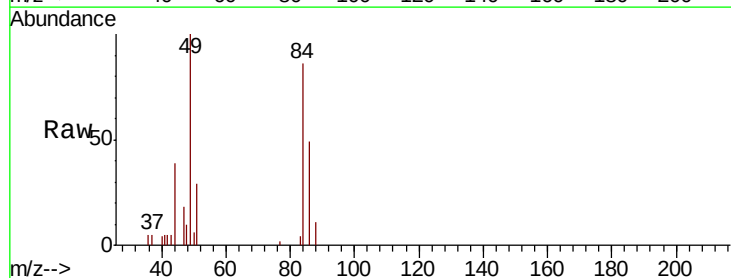
Instrument :
MSVOA_U
ClientSampleId :

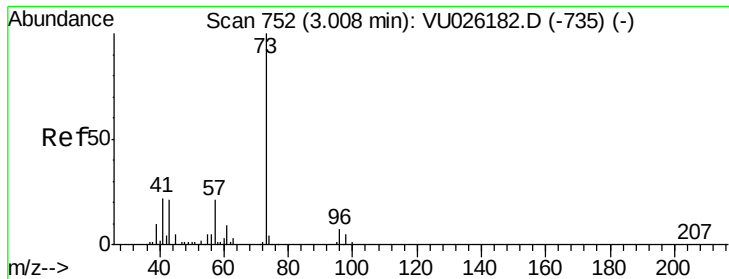
Tot Ion: 43 Resp: 1215
Ion Ratio Lower Upper
43 100
74 39.5 16.6 24.8#



#16
Methylene chloride
Concen: 0.619 ug/L
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU026180.D
Acq: 17 Aug 2018 15:46

Tgt Ion: 84 Resp: 7006
Ion Ratio Lower Upper
84 100
86 57.5 48.6 90.2
49 116.6 89.0 165.4

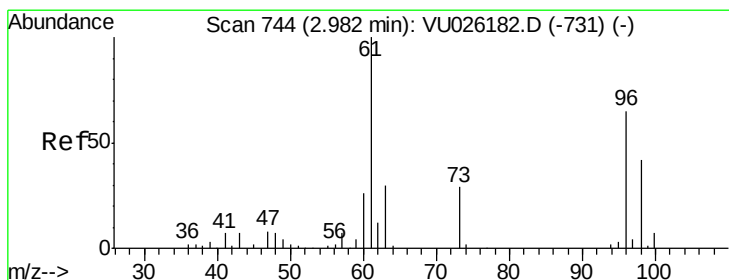
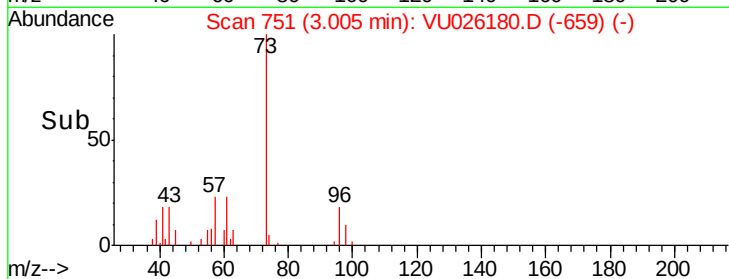
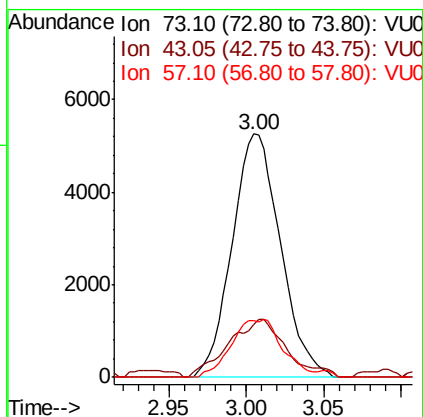
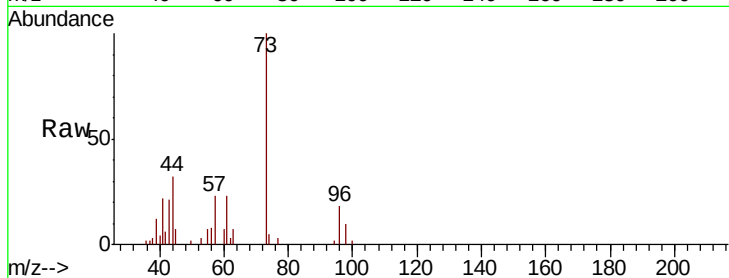




#17
Methvl tert-butyl Ether
Concen: 0.477 ug/L
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU026180.D
Acq: 17 Aug 2018 15:46

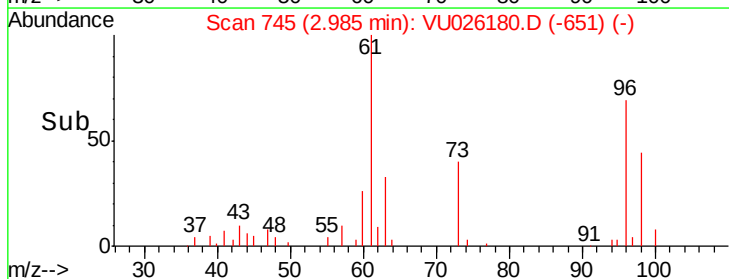
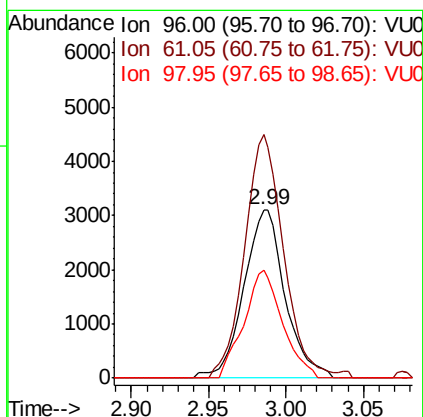
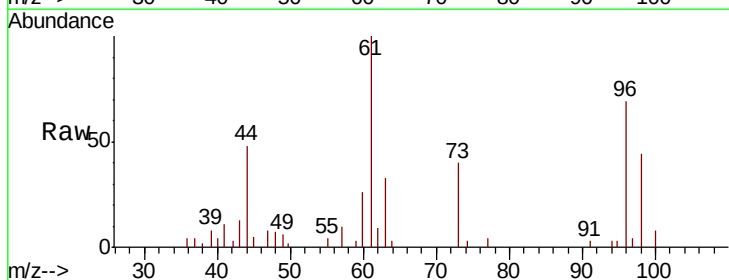
Instrument :
MSVOA_U
ClientSampleId :

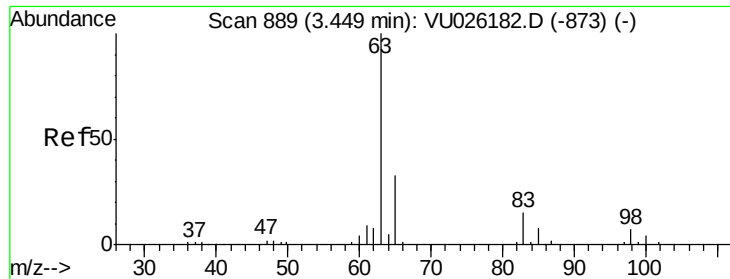
Tot Ion: 73 Resp: 11457
Ion Ratio Lower Upper
73 100
43 28.4 18.2 27.2#
57 25.0 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 0.537 ug/L
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU026180.D
Acq: 17 Aug 2018 15:46

Tgt Ion: 96 Resp: 5770
Ion Ratio Lower Upper
96 100
61 144.5 107.0 198.6
98 63.7 44.4 82.5

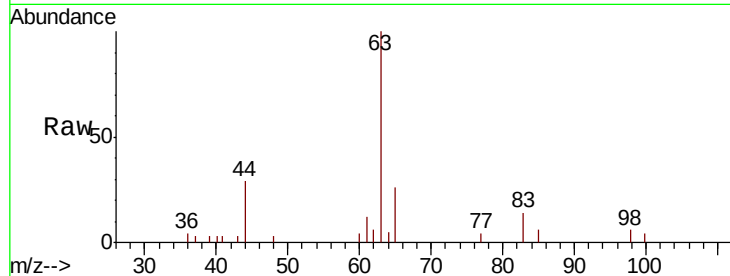




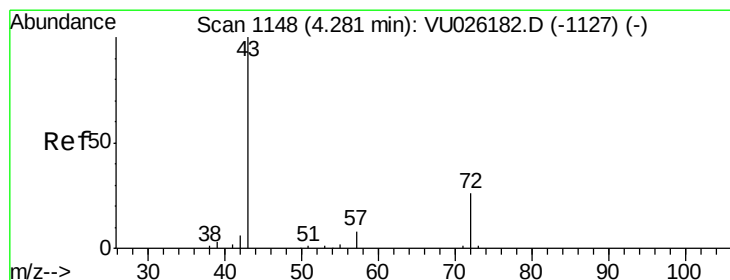
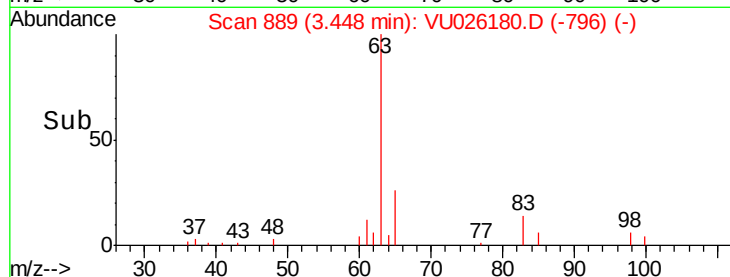
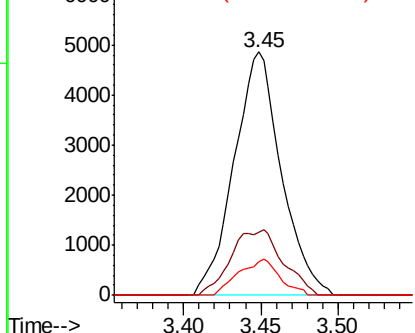
#19
 1,1-Dichloroethane
 Concen: 0.504 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU026180.D
 Acq: 17 Aug 2018 15:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 10326
 Ion Ratio Lower Upper
 63 100
 65 25.9 23.2 43.0
 83 13.7 10.1 18.9

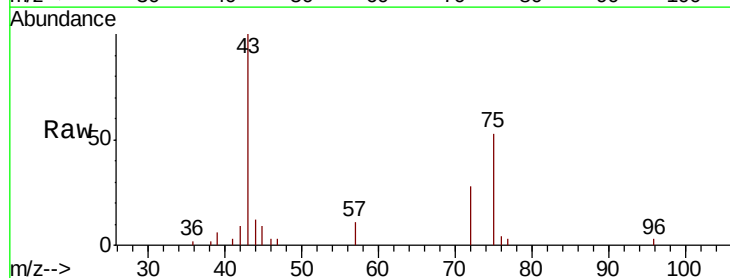


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

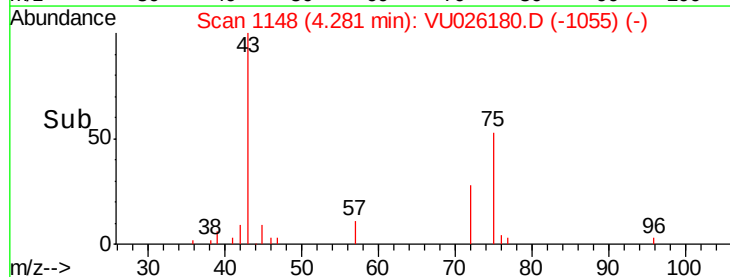
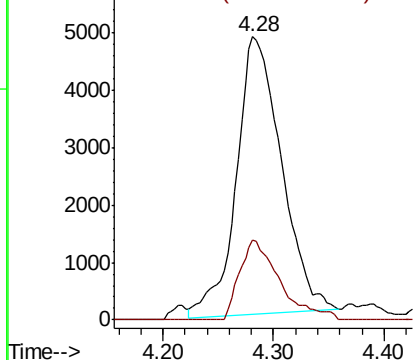


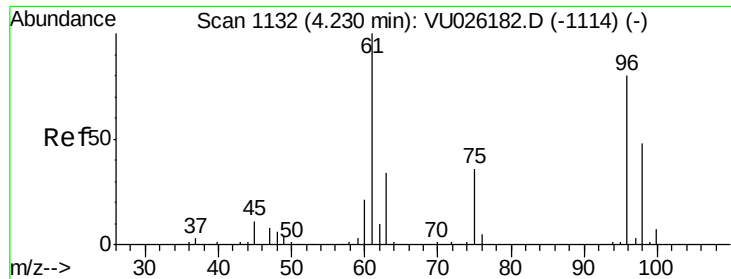
#21
 2-Butanone
 Concen: 4.637 ug/L
 RT: 4.28 min Scan# 1148
 Delta R.T. -0.00 min
 Lab File: VU026180.D
 Acq: 17 Aug 2018 15:46

Tgt Ion: 43 Resp: 13766
 Ion Ratio Lower Upper
 43 100
 72 25.7 13.3 39.9



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





#22

cis-1,2-Dichloroethene

Concen: 0.566 ug/L

RT: 4.24 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :
MSVOA_U
ClientSampleId :

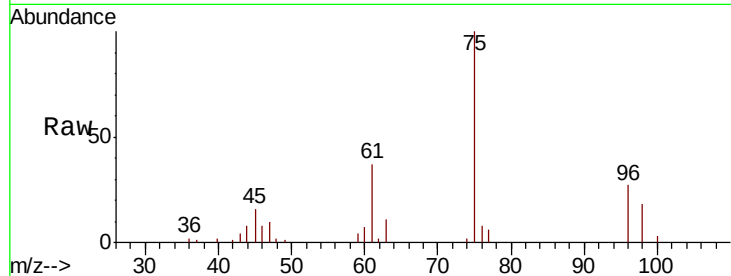
Tot Ion: 96 Resp: 6868

Ion Ratio Lower Upper

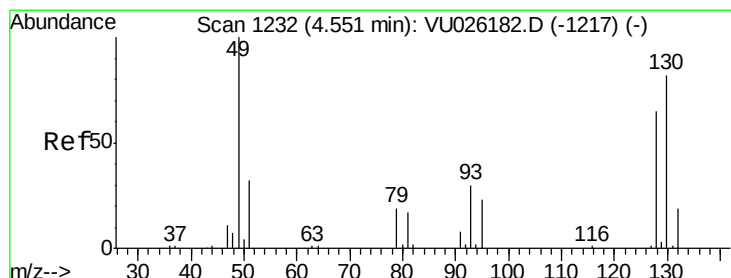
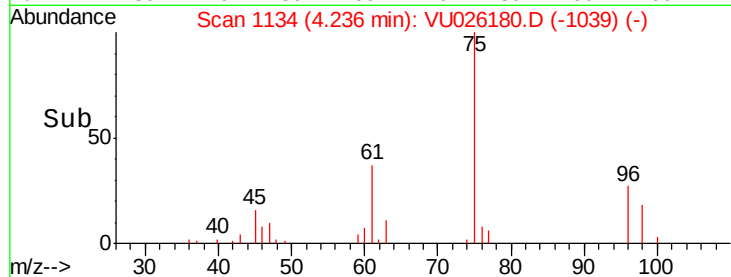
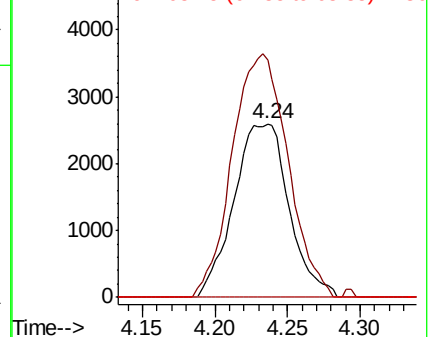
96 100

61 136.6 87.1 161.7

68 0.0 0.0 0.0



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



#23

Bromochloromethane

Concen: 0.583 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Tgt Ion: 128 Resp: 3148

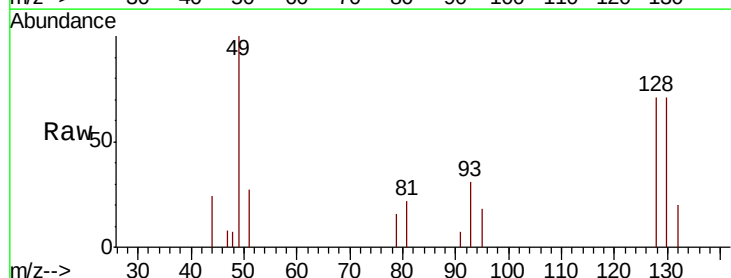
Ion Ratio Lower Upper

128 100

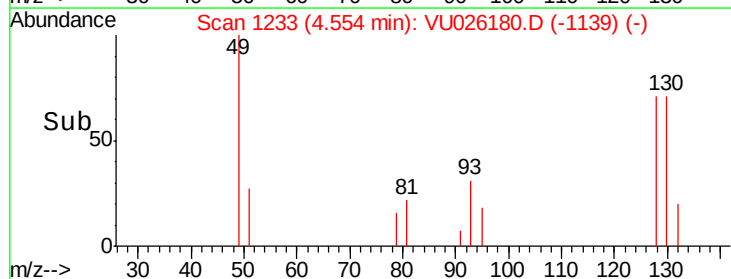
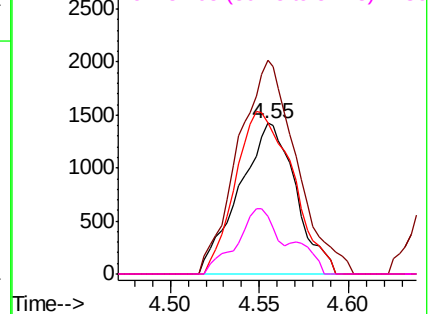
49 141.8 107.6 199.8

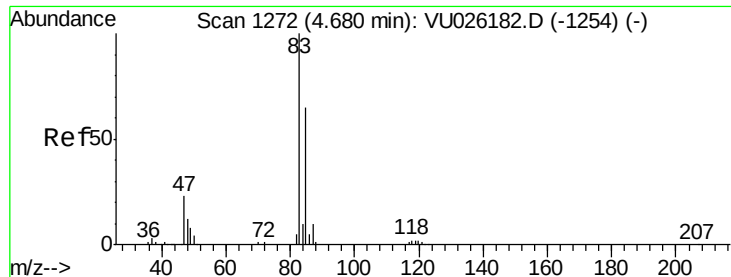
130 100.5 88.2 163.8

51 38.3 39.2 58.8#



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VU0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VU0

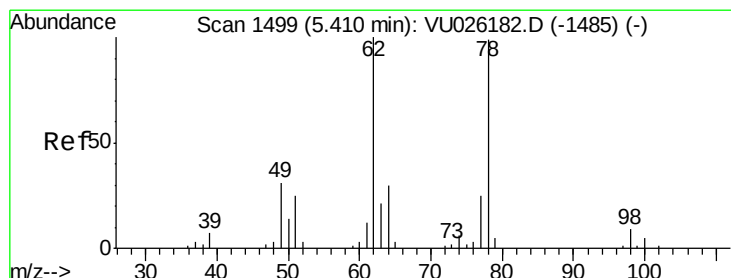
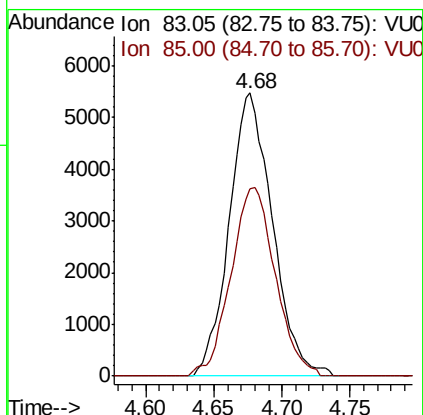
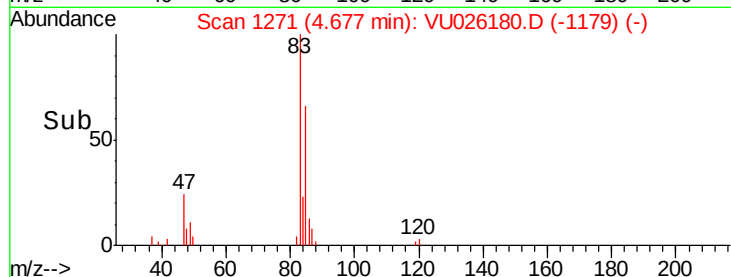
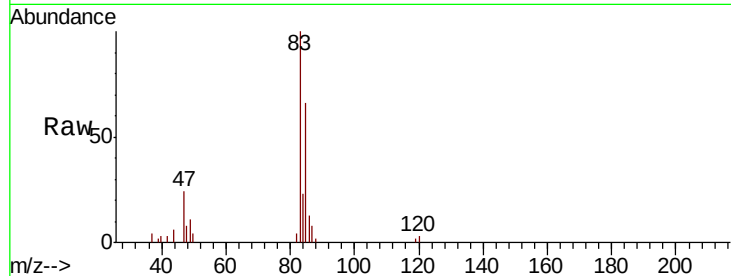




#25
Chloroform
Concen: 0.566 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026180.D
Acq: 17 Aug 2018 15:46

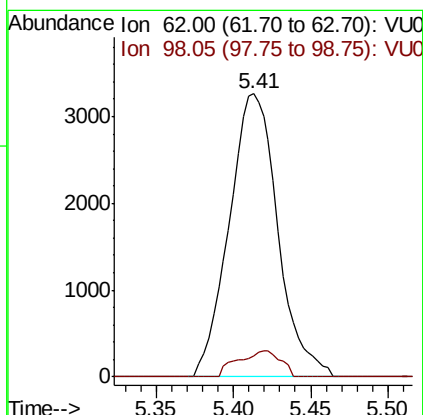
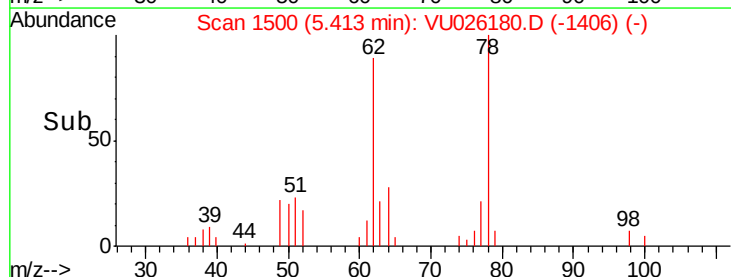
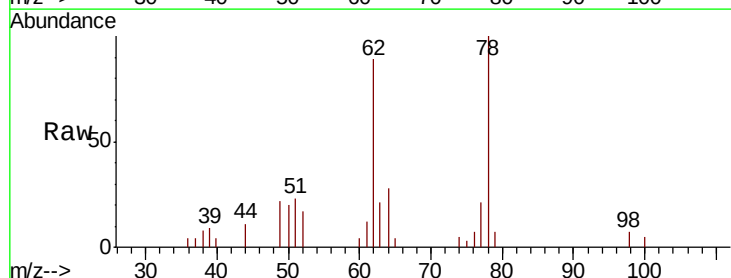
Instrument :
MSVOA_U
ClientSampleId :

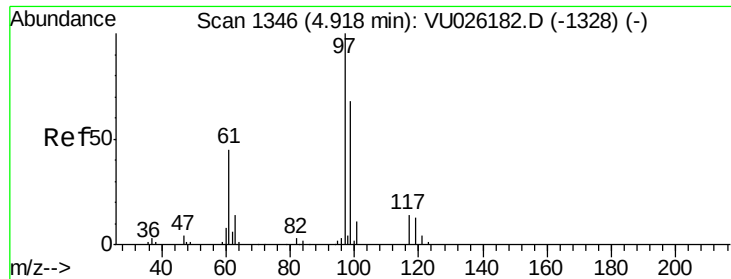
Tot Ion: 83 Resp: 12028
Ion Ratio Lower Upper
83 100
85 66.4 45.5 84.5



#27
1,2-Dichloroethane
Concen: 0.558 ug/L
RT: 5.41 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VU026180.D
Acq: 17 Aug 2018 15:46

Tgt Ion: 62 Resp: 7136
Ion Ratio Lower Upper
62 100
98 7.5 6.9 10.3

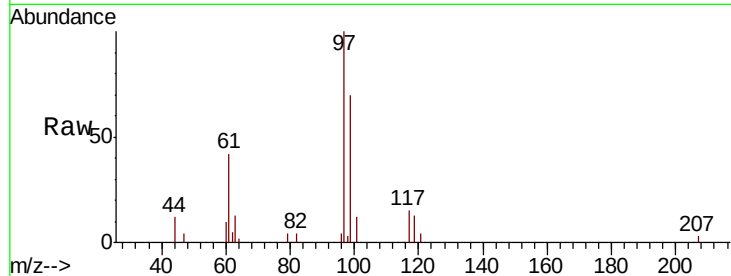




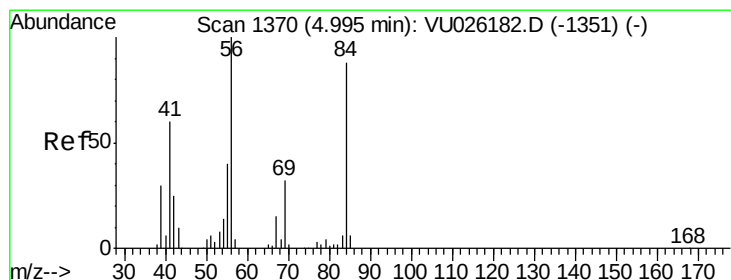
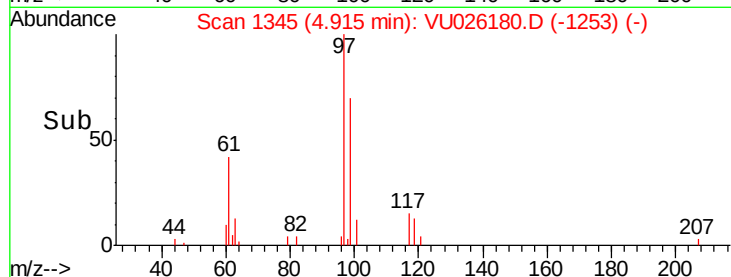
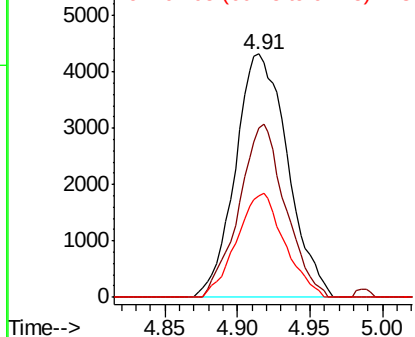
#29
 1,1,1-Trichloroethane
 Concen: 0.621 ug/L
 RT: 4.91 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VU026180.D
 Acq: 17 Aug 2018 15:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 10784
 Ion Ratio Lower Upper
 97 100
 99 63.3 52.3 78.5
 61 39.2 35.0 52.6

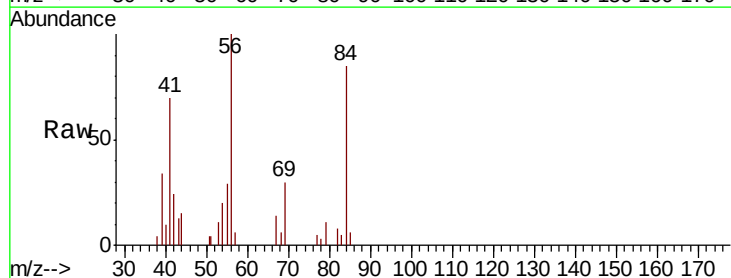


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

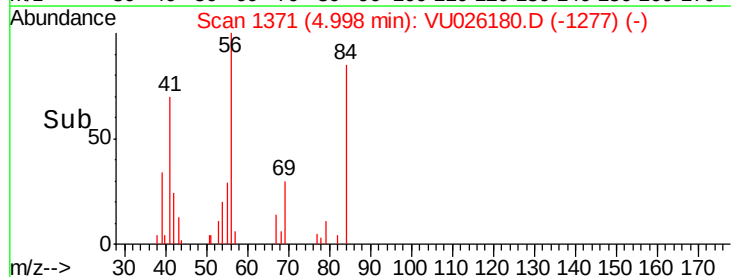
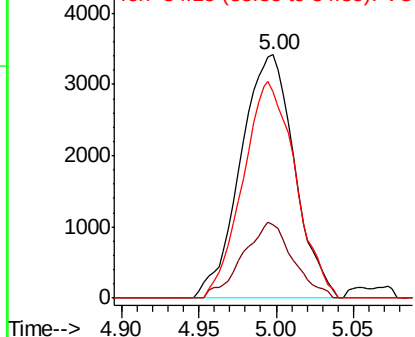


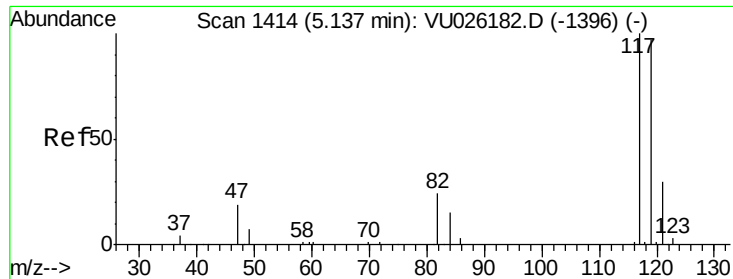
#30
 Cyclohexane
 Concen: 0.462 ug/L
 RT: 5.00 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: VU026180.D
 Acq: 17 Aug 2018 15:46

Tgt Ion: 56 Resp: 8264
 Ion Ratio Lower Upper
 56 100
 69 28.9 24.2 36.2
 84 86.4 69.3 103.9



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

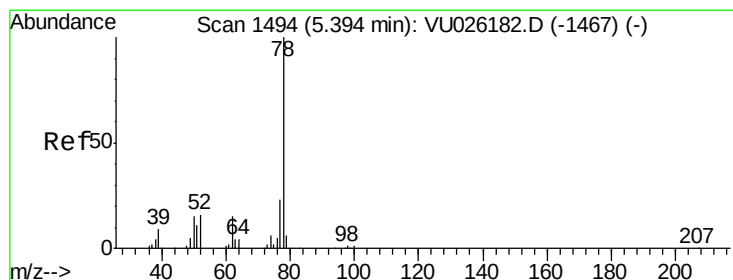
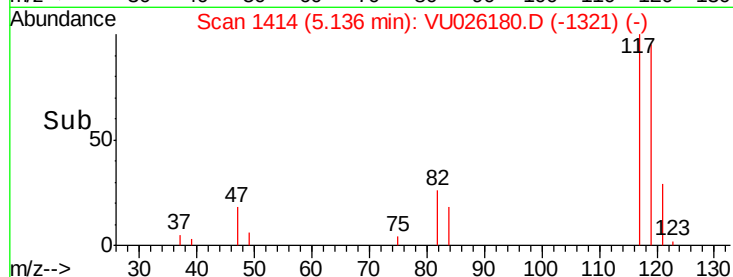
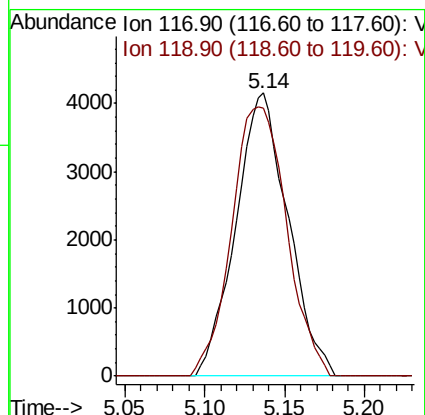
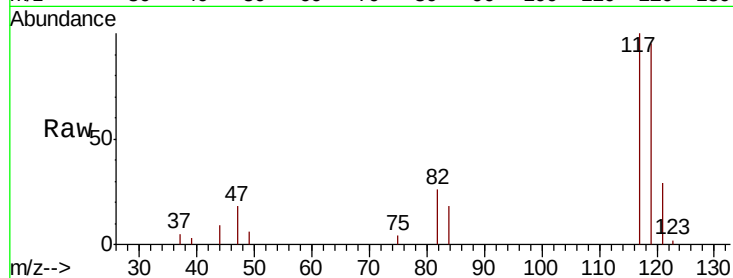




#31
Carbon tetrachloride
Concen: 0.611 ug/L
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU026180.D
Acq: 17 Aug 2018 15:46

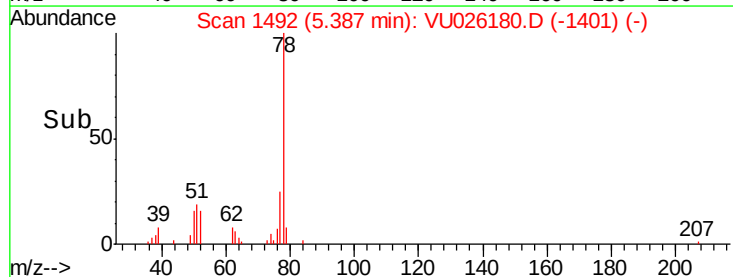
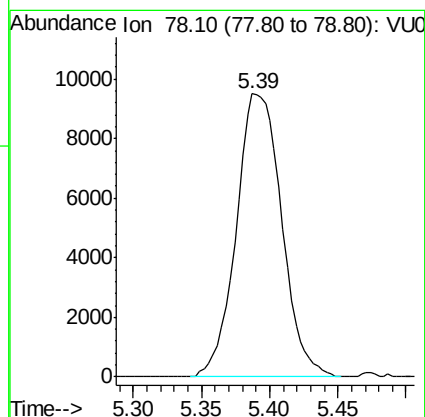
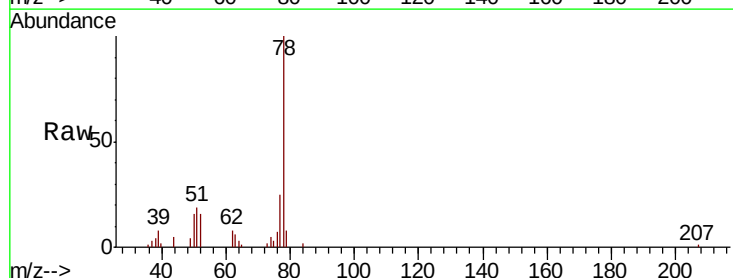
Instrument :
MSVOA_U
ClientSampleId :

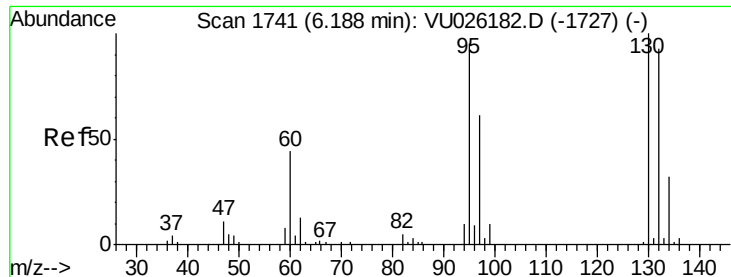
Tot Ion:117 Resp: 9301
Ion Ratio Lower Upper
117 100
119 100.1 76.6 115.0



#33
Benzene
Concen: 0.478 ug/L
RT: 5.39 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VU026180.D
Acq: 17 Aug 2018 15:46

Tgt Ion: 78 Resp: 21949





#34

Trichloroethene

Concen: 0.531 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 95 Resp: 6417

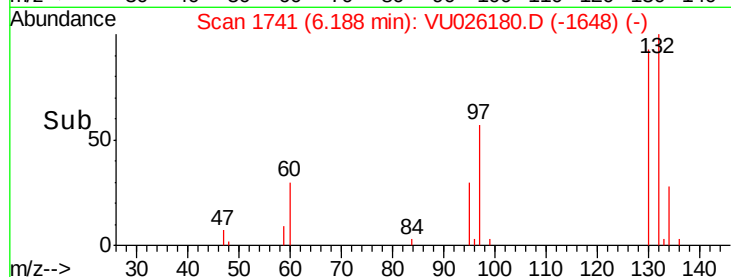
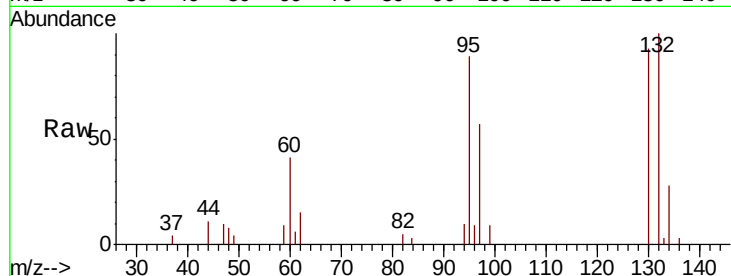
Ion Ratio Lower Upper

95 100

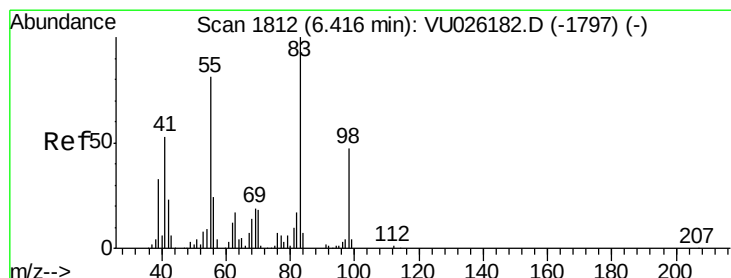
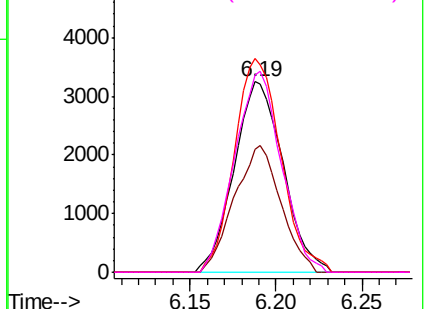
97 64.3 44.9 83.5

132 112.1 68.2 126.6

130 103.7 73.4 136.4



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: 0.477 ug/L

RT: 6.42 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

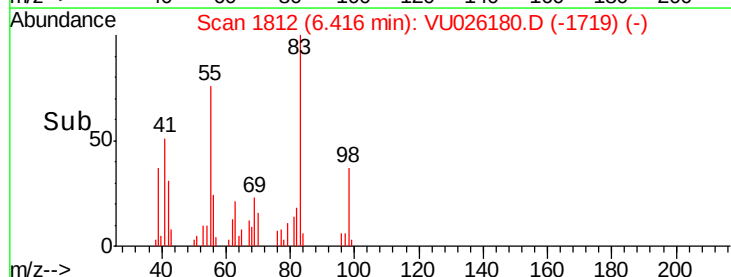
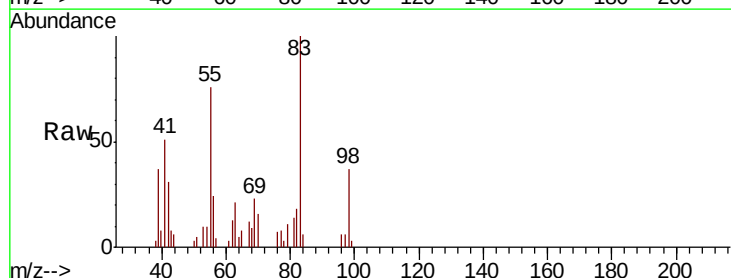
Tgt Ion: 83 Resp: 8853

Ion Ratio Lower Upper

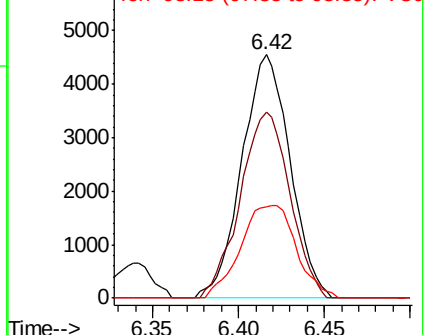
83 100

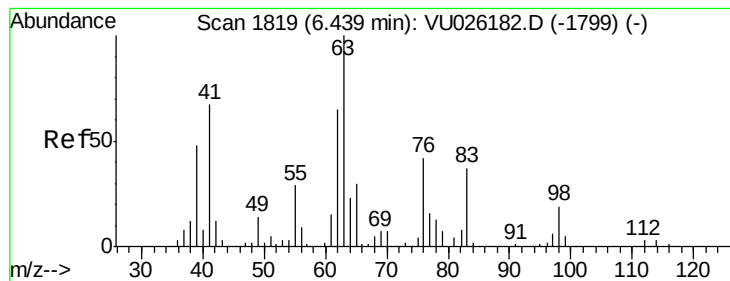
55 78.8 65.0 97.4

98 43.9 37.8 56.6



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: 0.551 ug/L

RT: 6.44 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :

MSVOA_U

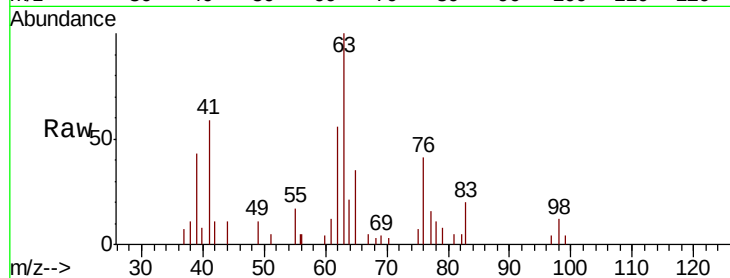
ClientSampled :

Tot Ion: 63 Resp: 6646

Ion Ratio Lower Upper

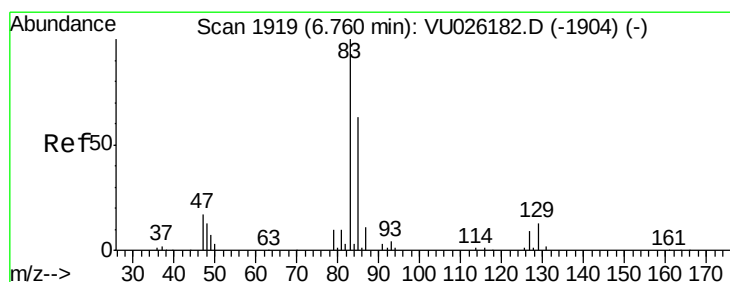
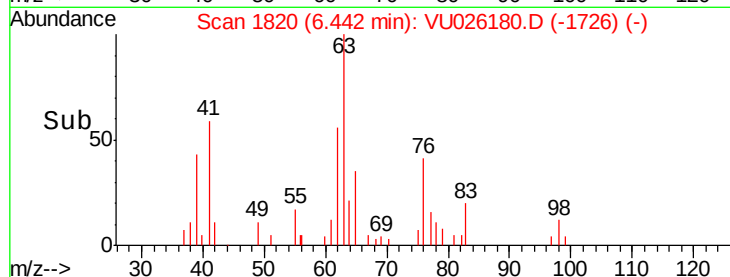
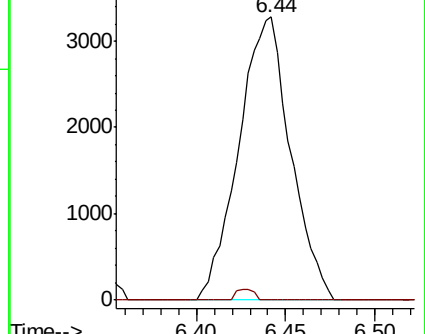
63 100

112 1.3 1.4 2.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 0.545 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

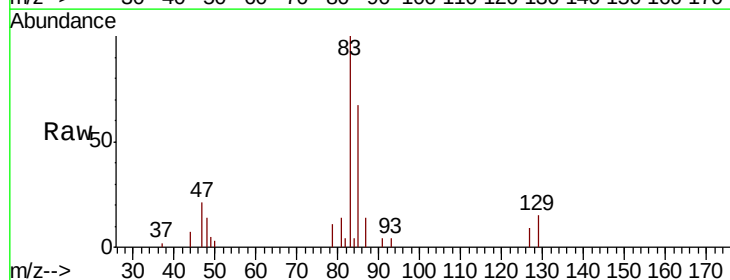
Tgt Ion: 83 Resp: 7659

Ion Ratio Lower Upper

83 100

85 67.3 44.2 82.0

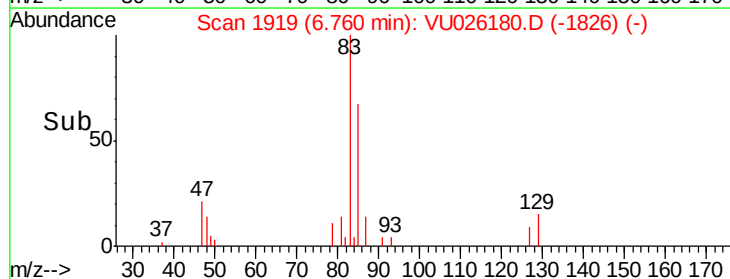
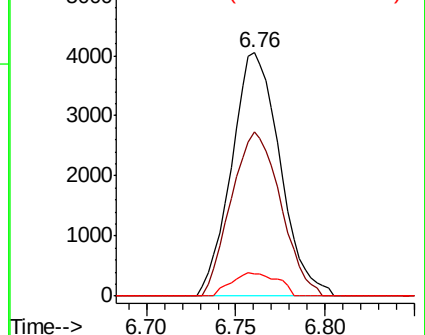
127 9.3 7.6 11.4

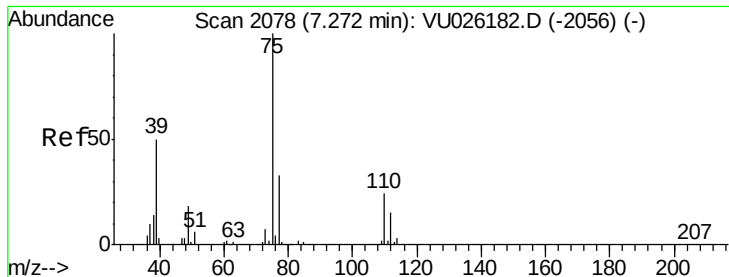


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V





#39

cis-1,3-Dichloropropene

Concen: 0.472 ug/L

RT: 7.27 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

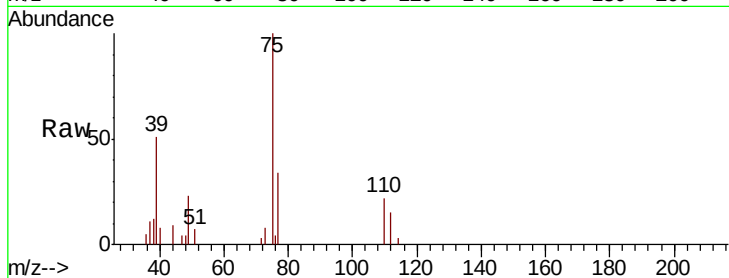
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 7096

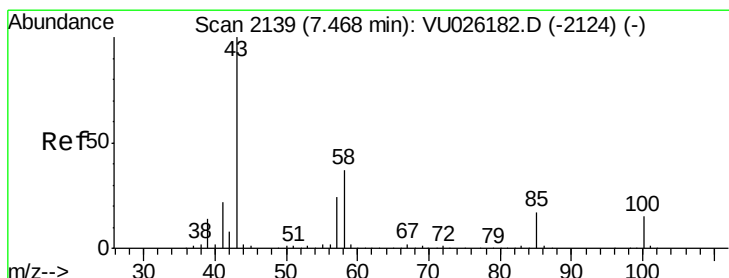
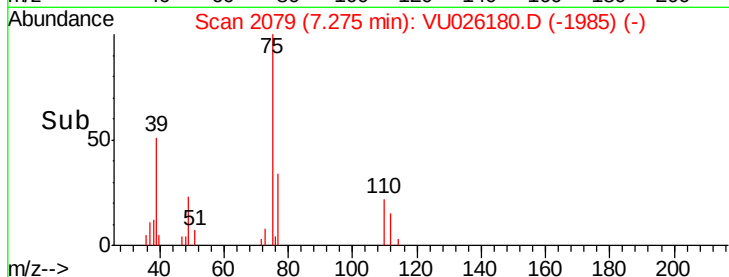
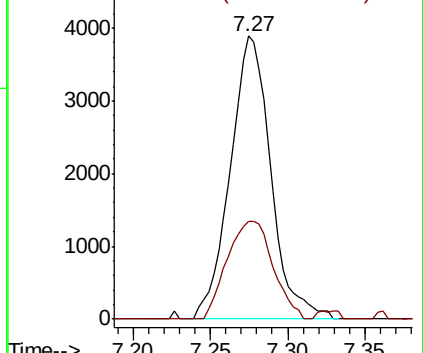
Ion Ratio Lower Upper

75 100

77 34.5 23.3 43.3



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 4.614 ug/L

RT: 7.47 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

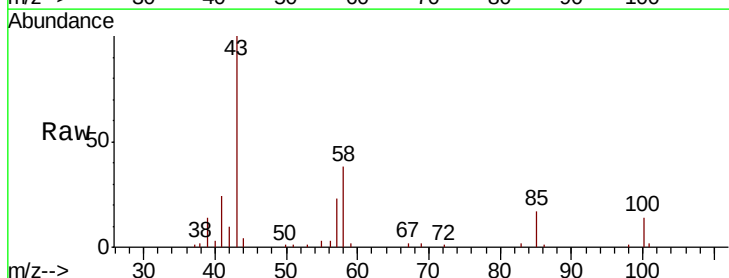
Tgt Ion: 43 Resp: 30489

Ion Ratio Lower Upper

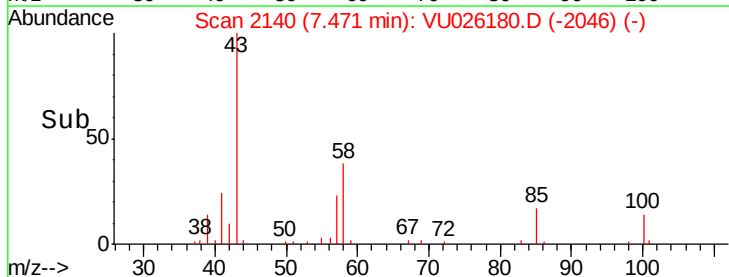
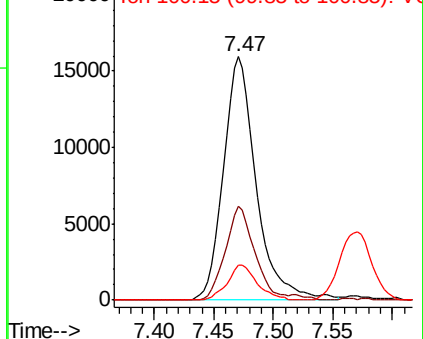
43 100

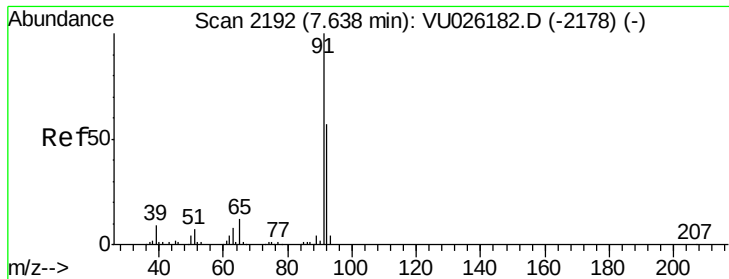
58 35.4 29.8 44.8

100 13.0 11.6 17.4



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





#42

Toluene

Concen: 0.471 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :

MSVOA_U

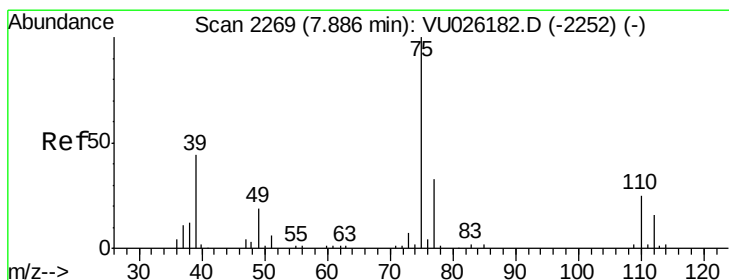
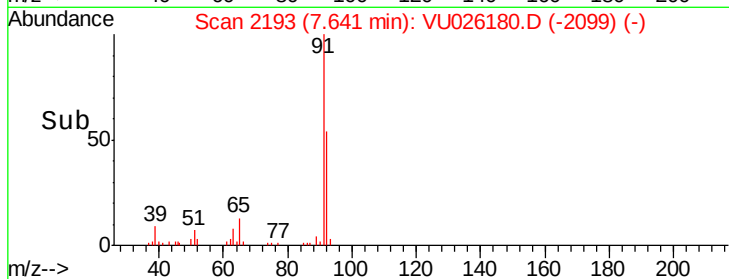
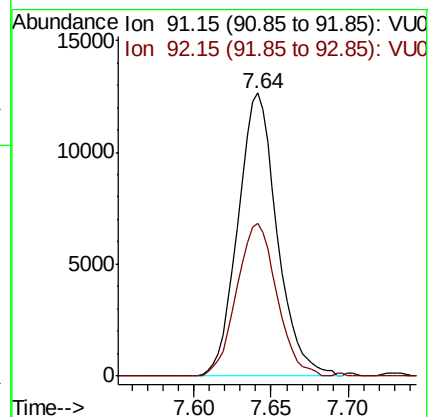
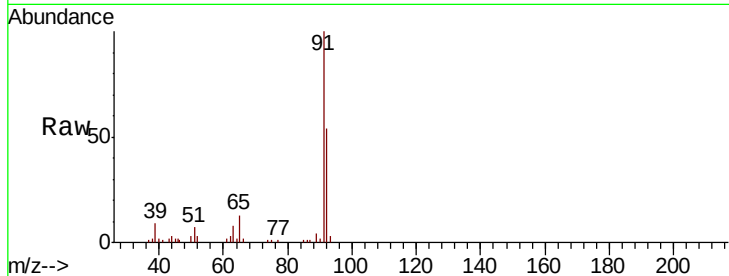
ClientSampleId :

Tot Ion: 91 Resp: 22236

Ion Ratio Lower Upper

91 100

92 54.1 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 0.502 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VU026180.D

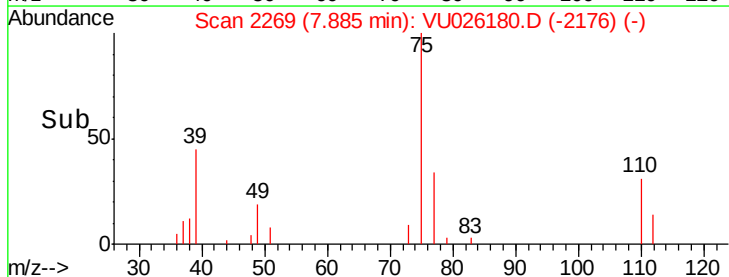
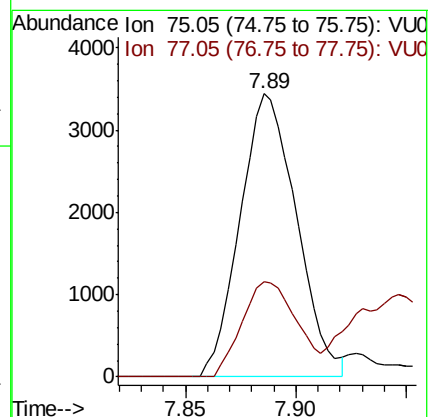
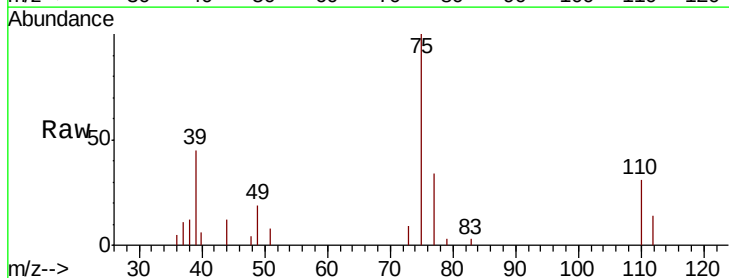
Acq: 17 Aug 2018 15:46

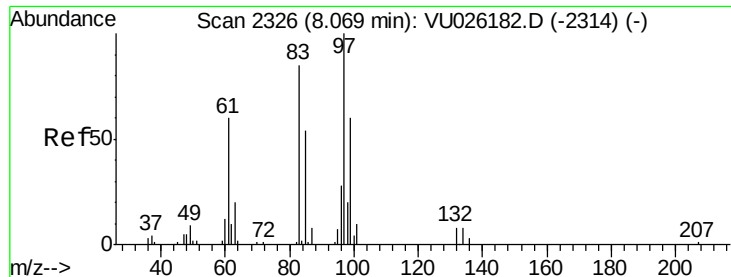
Tgt Ion: 75 Resp: 6122

Ion Ratio Lower Upper

75 100

77 33.5 22.7 42.3





#45

1,1,2-Trichloroethane

Concen: 0.546 ug/L

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 4414

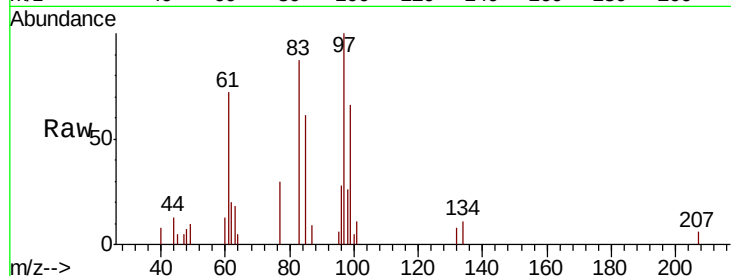
Ion Ratio Lower Upper

97 100

99 66.2 42.1 78.3

83 86.7 59.2 110.0

85 60.7 37.9 70.3



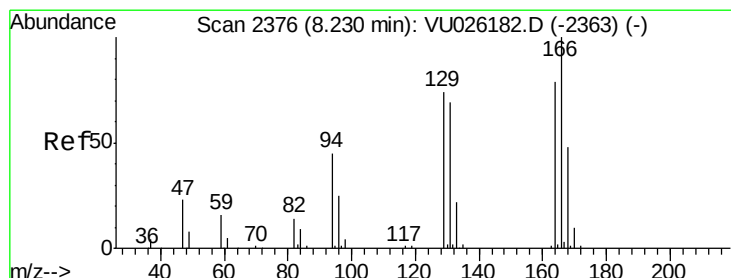
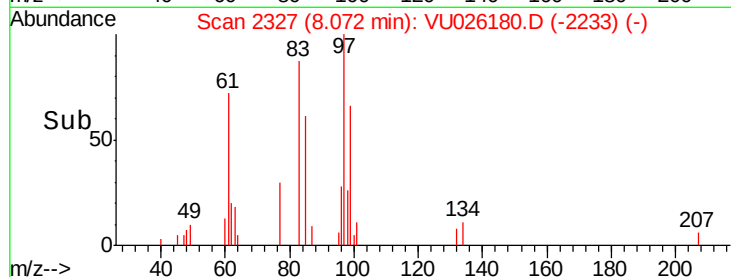
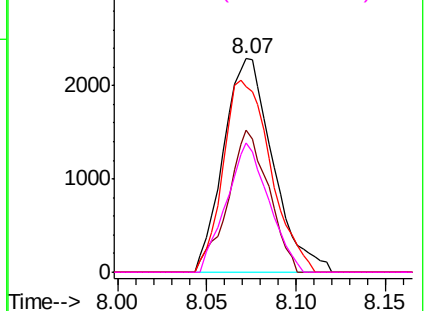
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 0.568 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Tgt Ion: 164 Resp: 5691

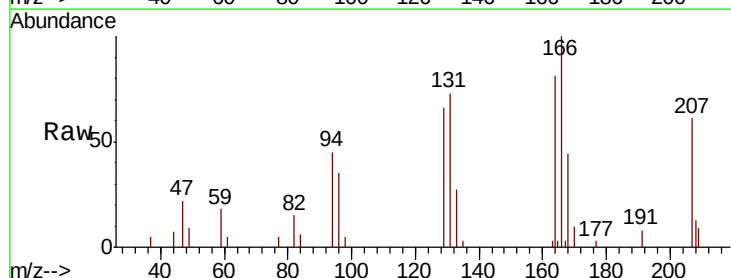
Ion Ratio Lower Upper

164 100

129 81.6 66.1 122.8

131 89.7 61.4 114.0

166 123.6 89.1 165.5



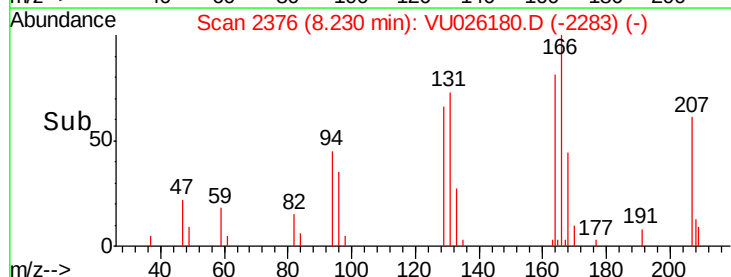
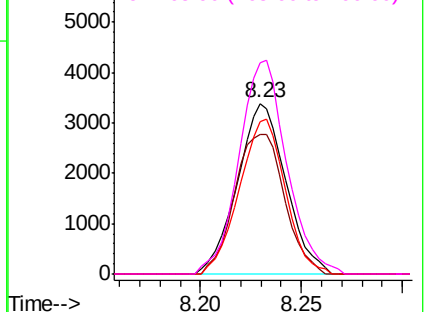
Abundance

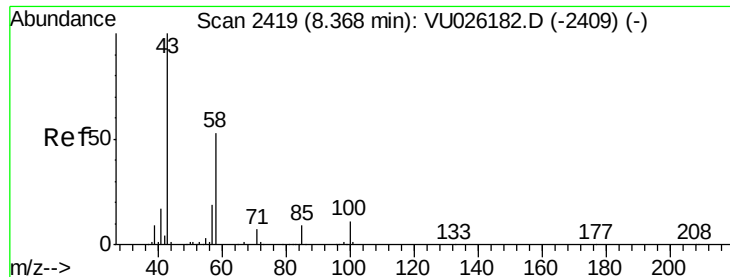
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

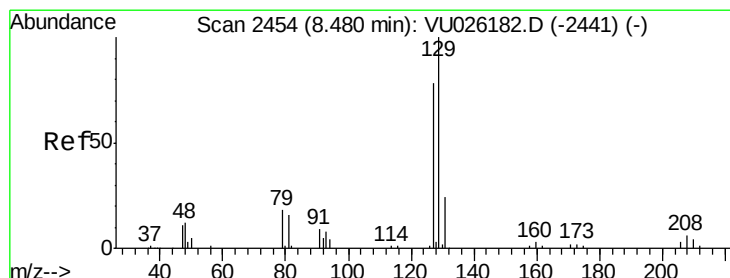
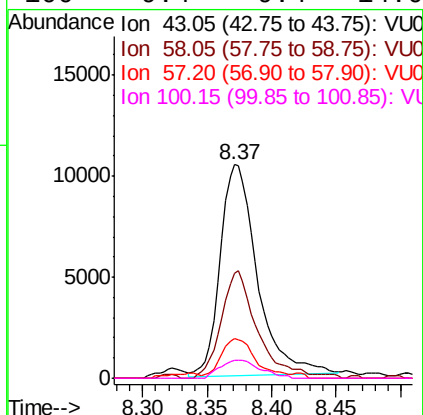
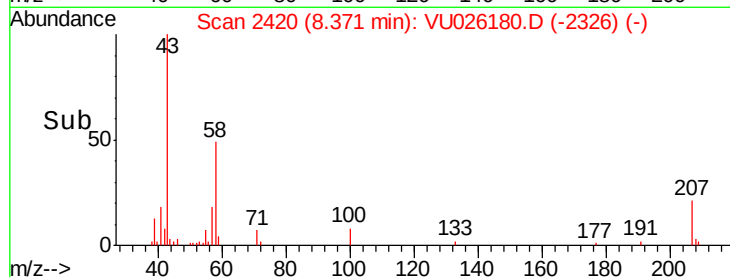
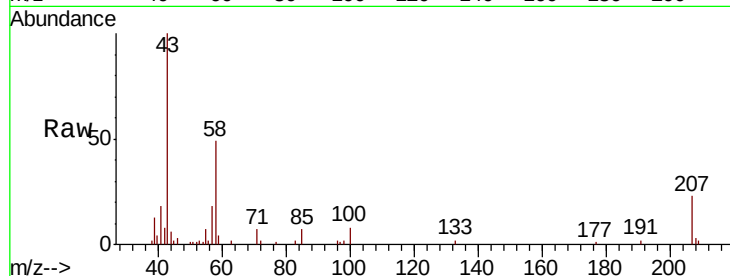




#48
2-Hexanone
Concen: 4.396 ug/L
RT: 8.37 min Scan# 2420
Delta R.T. 0.00 min
Lab File: VU026180.D
Acq: 17 Aug 2018 15:46

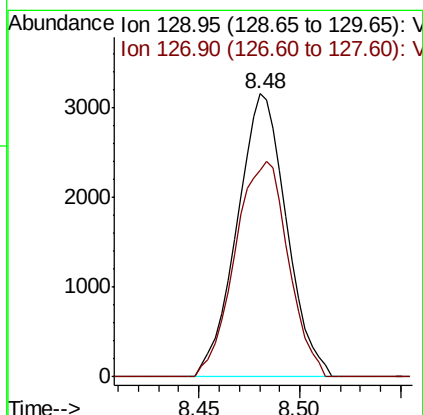
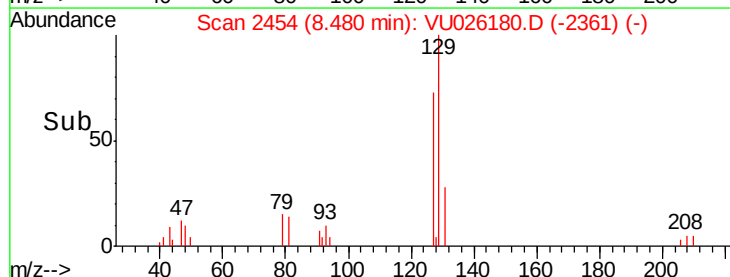
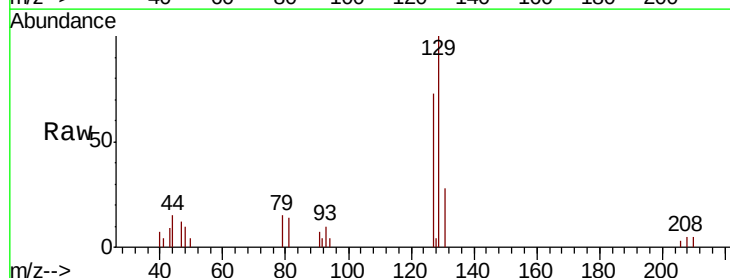
Instrument :
MSVOA_U
ClientSampleId :

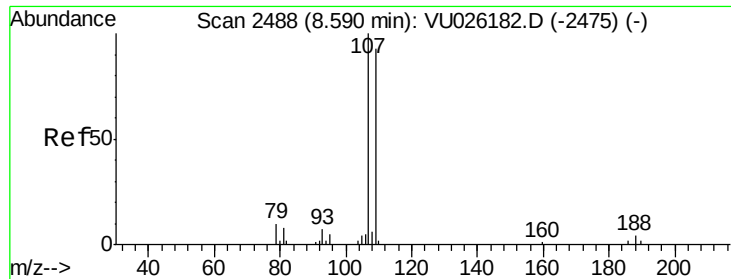
Tot Ion	Ratio	Lower	Upper
43	100		
58	49.0	43.1	64.7
57	15.3	15.4	23.0#
100	9.4	9.4	14.0#



#49
Dibromochloromethane
Concen: 0.572 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU026180.D
Acq: 17 Aug 2018 15:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.9	54.9	101.9

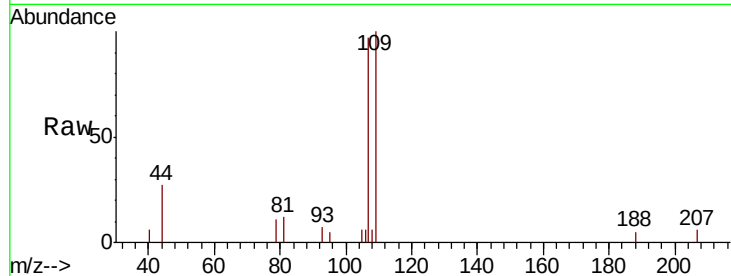




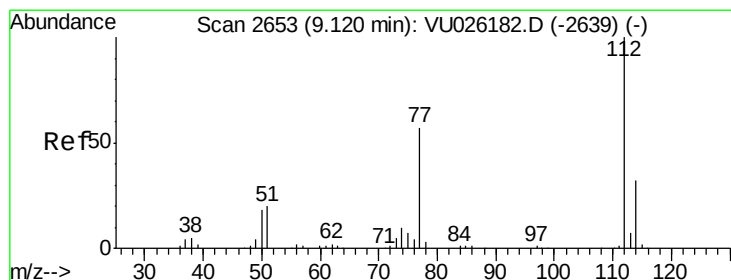
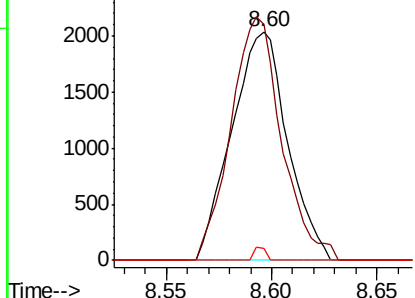
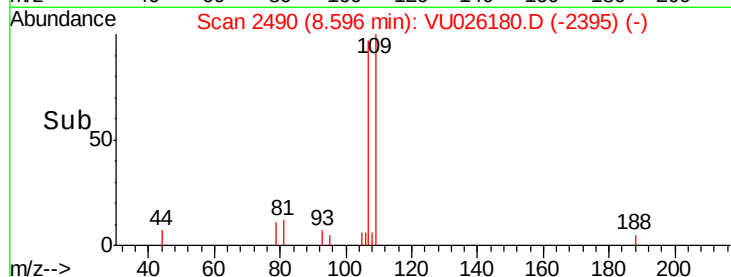
#50
 1,2-Dibromoethane
 Concen: 0.501 ug/L
 RT: 8.60 min Scan# 2490
 Delta R.T. 0.01 min
 Lab File: VU026180.D
 Acq: 17 Aug 2018 15:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 3739
 Ion Ratio Lower Upper
 107 100
 109 103.1 65.3 121.3
 188 5.3 3.0 4.4#

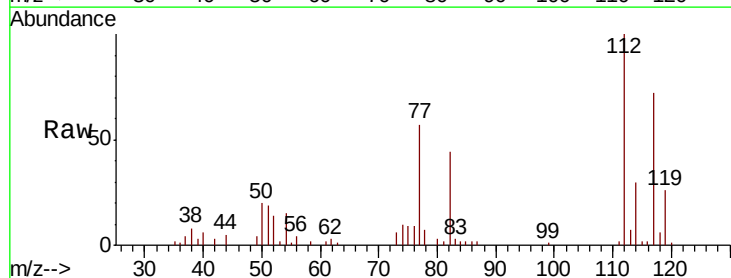


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

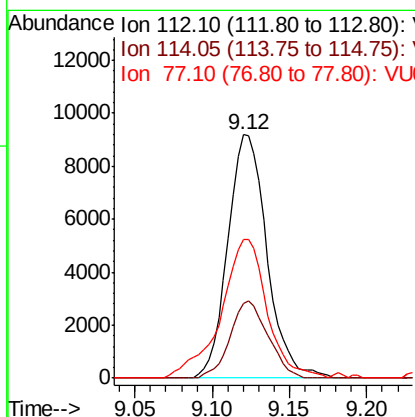
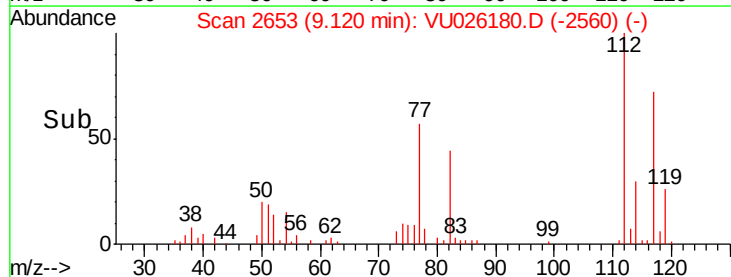


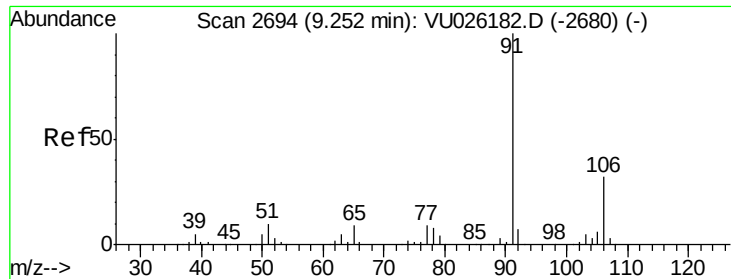
#51
 Chlorobenzene
 Concen: 0.517 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026180.D
 Acq: 17 Aug 2018 15:46

Tgt Ion:112 Resp: 16091
 Ion Ratio Lower Upper
 112 100
 114 30.5 22.5 41.7
 77 56.9 45.8 68.6



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): VU0





#52

Ethylbenzene

Concen: 0.471 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :

MSVOA_U

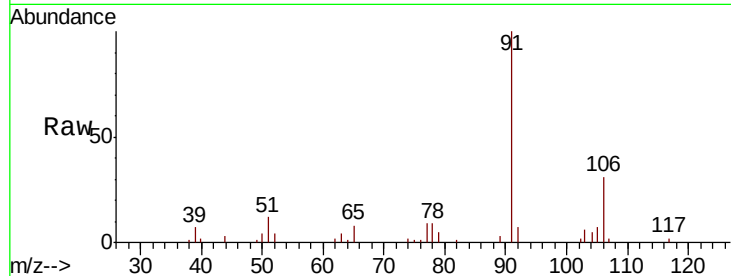
ClientSampleId :

Tot Ion: 91 Resp: 23051

Ion Ratio Lower Upper

91 100

106 30.7 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VU026180.D (-2694) (-)

Ion 106.15 (105.85 to 106.85): VU026180.D (-2694) (-)

9.26

15000

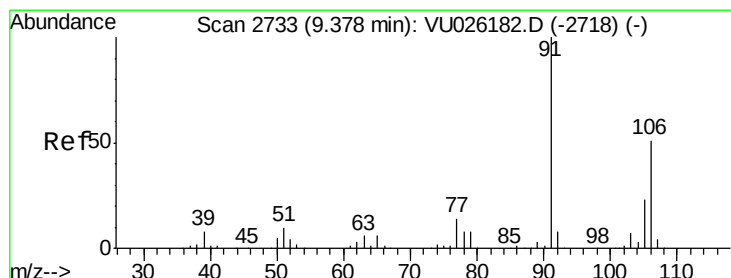
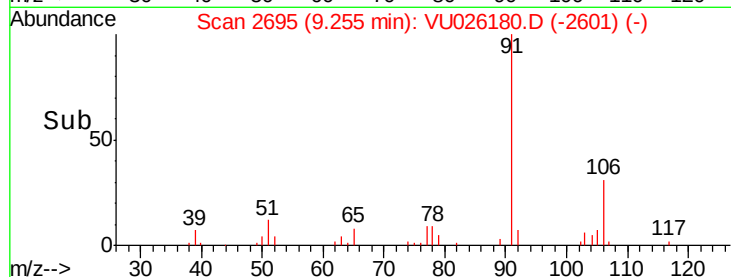
10000

5000

0

9.20 9.25 9.30 9.35

Time-->



#53

m,p-xylene

Concen: 0.439 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026180.D

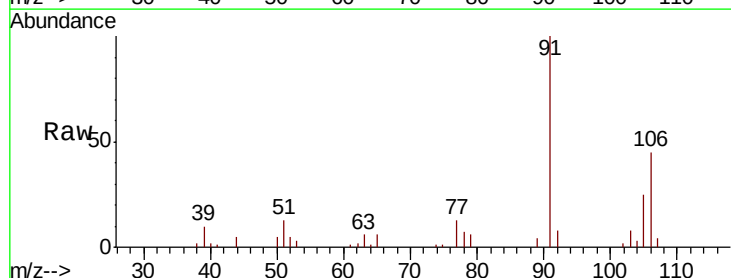
Acq: 17 Aug 2018 15:46

Tgt Ion: 106 Resp: 8179

Ion Ratio Lower Upper

106 100

91 220.6 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU026180.D (-2733) (-)

Ion 91.15 (90.85 to 91.85): VU026180.D (-2733) (-)

9.38

12000

10000

8000

6000

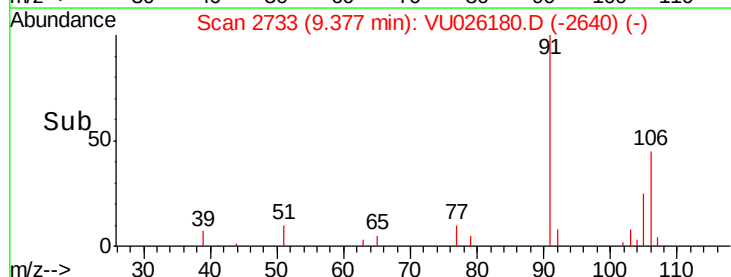
4000

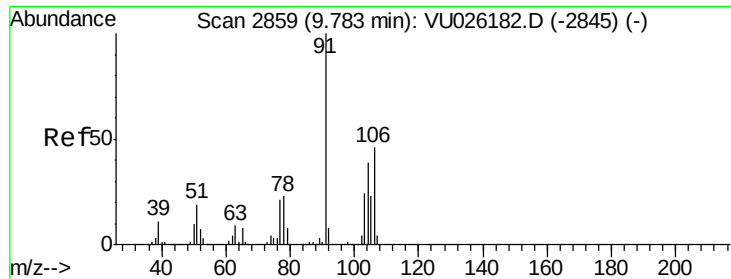
2000

0

9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 0.437 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

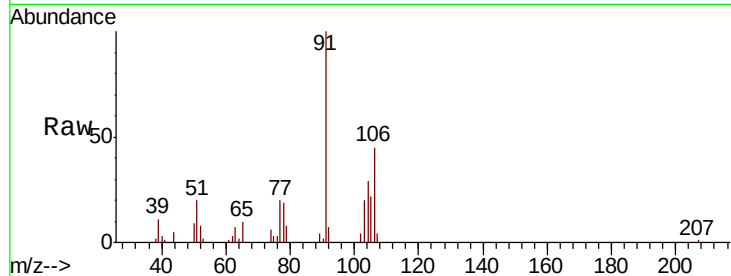
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 7946

Ion Ratio Lower Upper

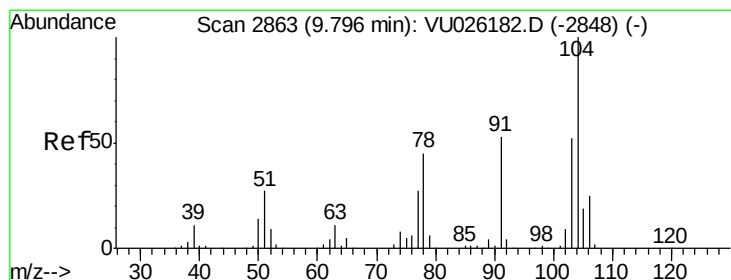
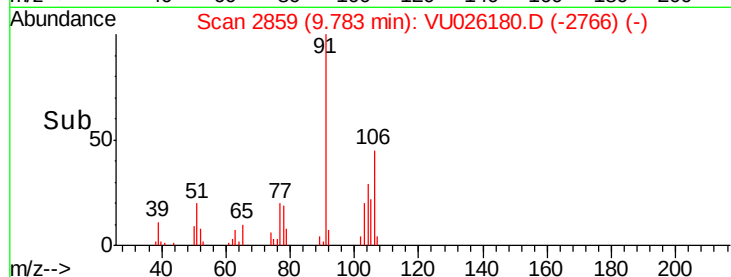
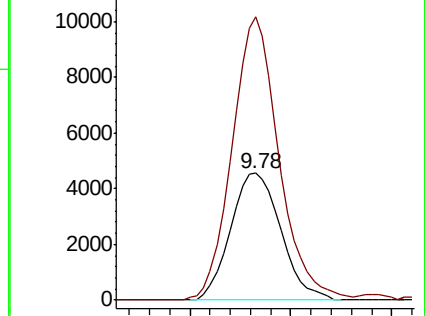
106 100

91 222.6 150.7 279.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU



#55

Styrene

Concen: 0.424 ug/L

RT: 9.80 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VU026180.D

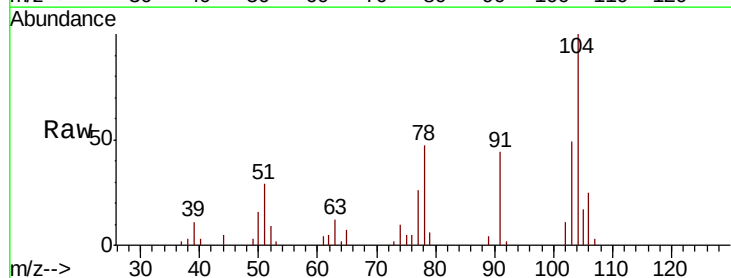
Acq: 17 Aug 2018 15:46

Tgt Ion:104 Resp: 12796

Ion Ratio Lower Upper

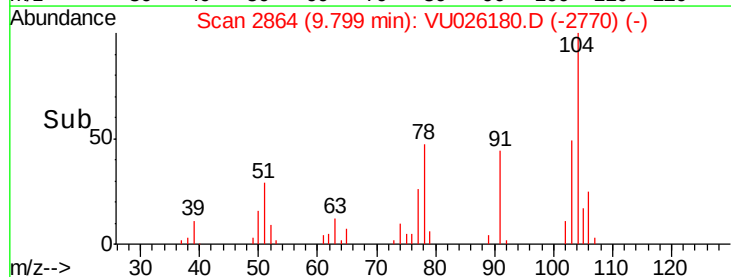
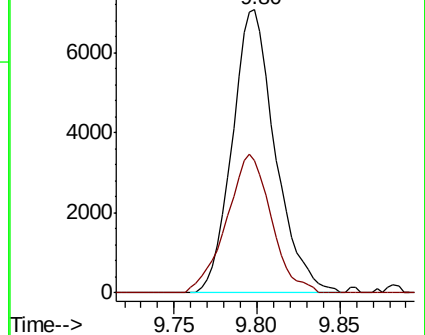
104 100

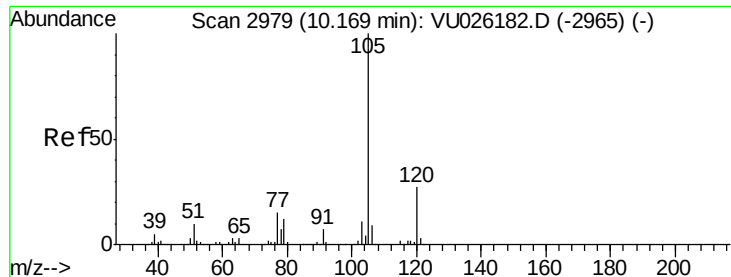
78 46.7 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU





#56

Isopropylbenzene

Concen: 0.422 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :

MSVOA_U

ClientSampleId :

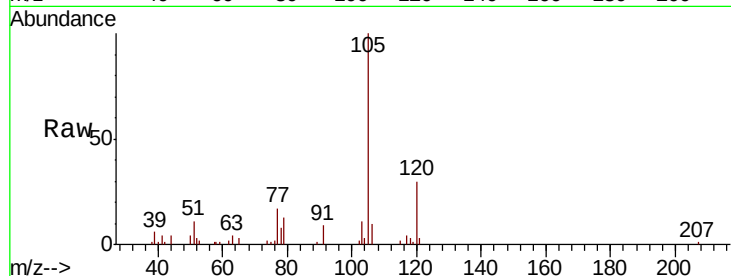
Tot Ion:105 Resp: 20051

Ion Ratio Lower Upper

105 100

120 28.7 21.4 32.2

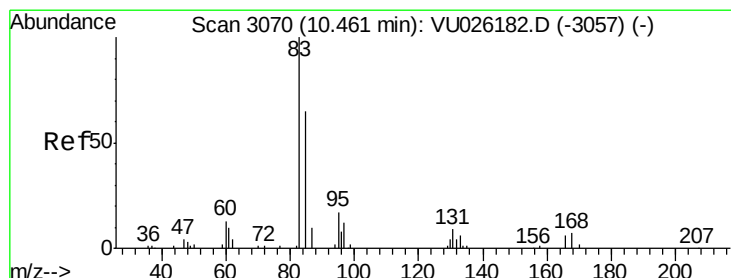
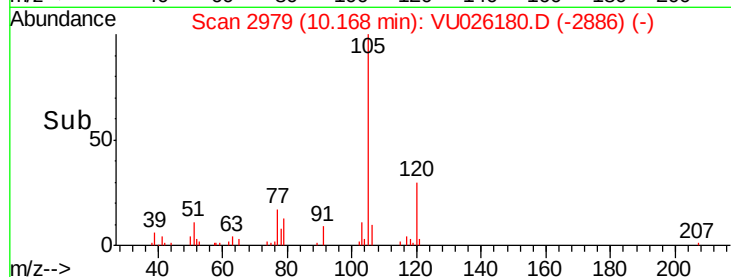
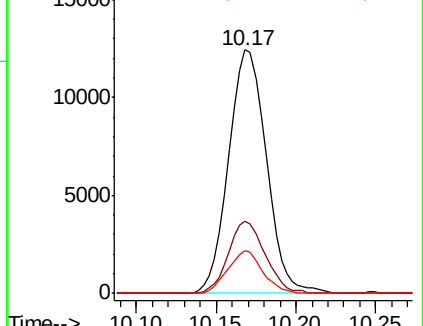
77 16.0 12.4 18.6



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: 0.476 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

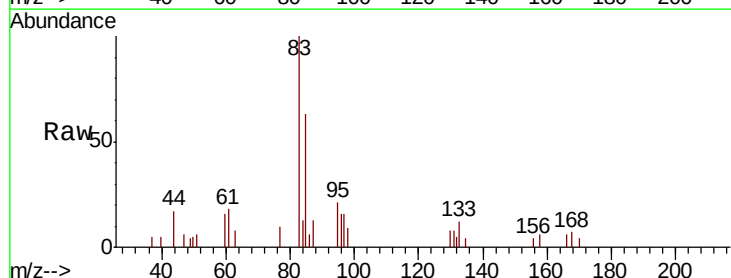
Tgt Ion: 83 Resp: 4838

Ion Ratio Lower Upper

83 100

85 63.1 45.7 84.9

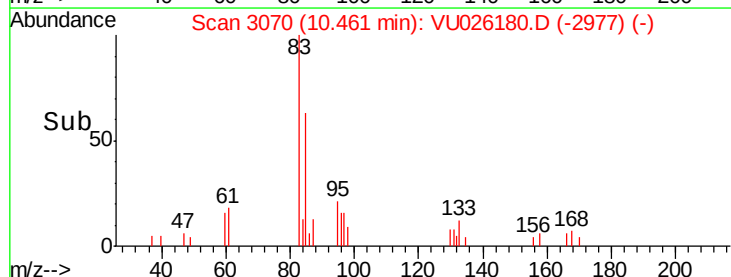
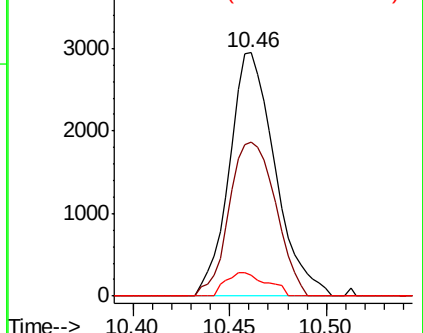
131 8.4 7.7 11.5

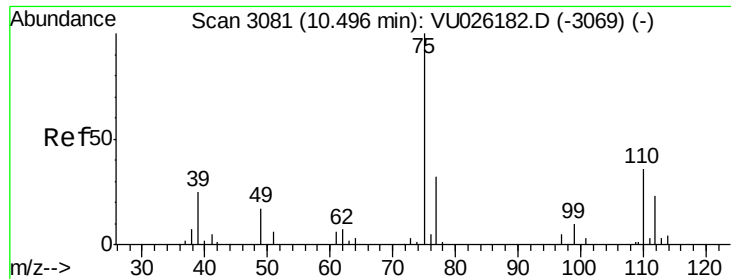


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

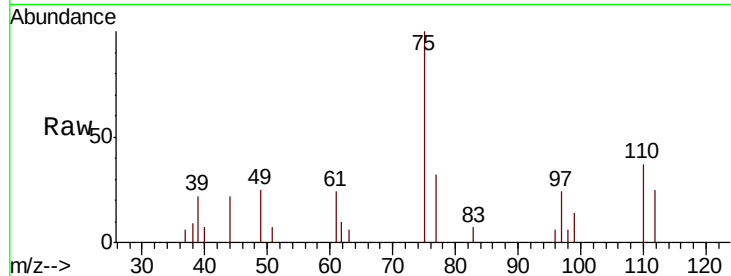




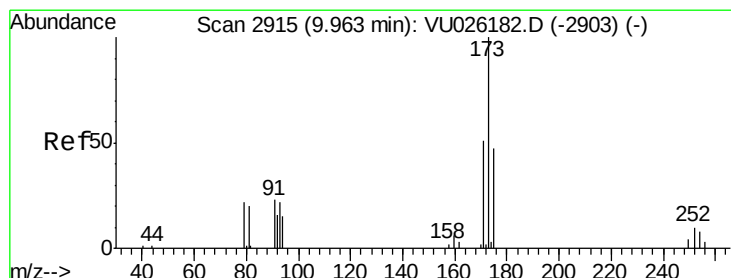
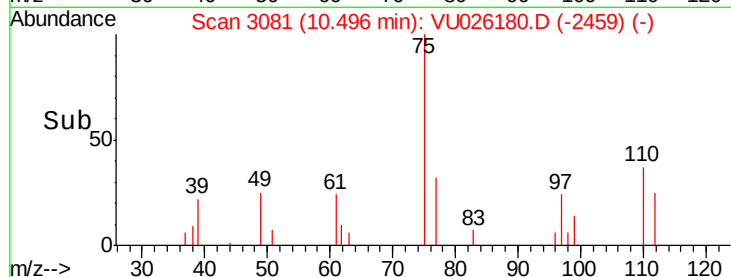
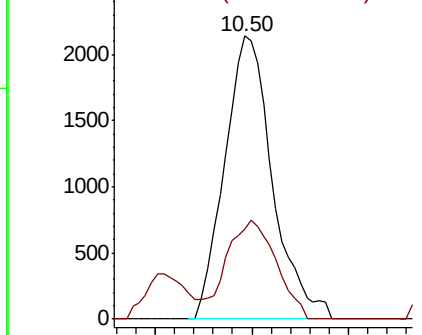
#59
 1,2,3-Trichloropropane
 Concen: 0.535 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026180.D
 Acq: 17 Aug 2018 15:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 3674
 Ion Ratio Lower Upper
 75 100
 77 36.4 29.0 43.4

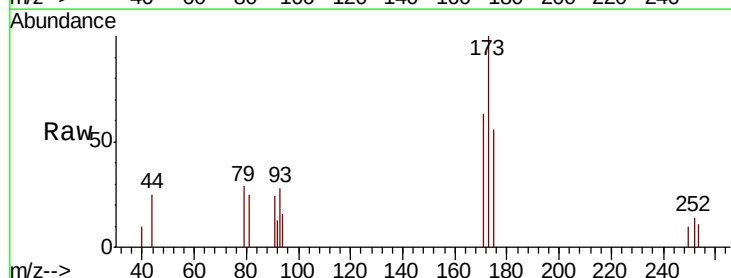


Abundance Ion 75.00 (74.70 to 75.70): VU026180.D (-2459) (-)
 Ion 77.00 (76.70 to 77.70): VU026180.D (-2459) (-)

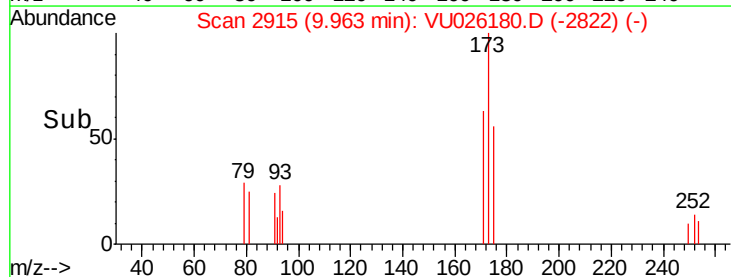
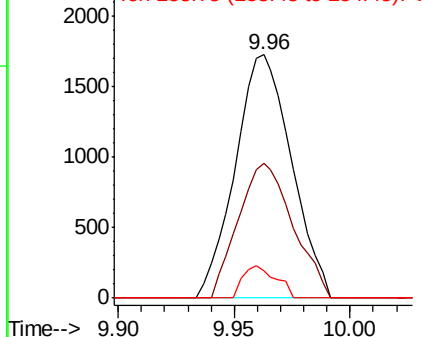


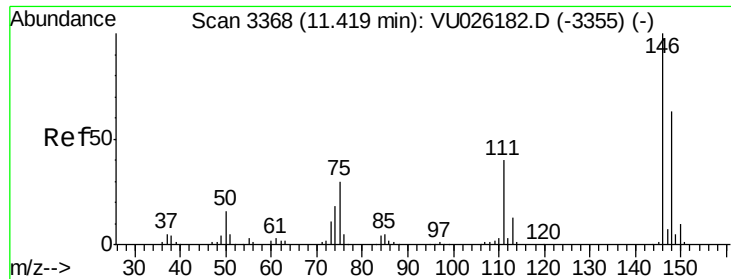
#61
 Bromoform
 Concen: 0.537 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. -0.00 min
 Lab File: VU026180.D
 Acq: 17 Aug 2018 15:46

Tgt Ion: 173 Resp: 2904
 Ion Ratio Lower Upper
 173 100
 175 54.0 39.0 58.6
 254 7.7 6.8 10.2



Abundance Ion 172.90 (172.60 to 173.60): VU026180.D (-2822) (-)
 Ion 174.90 (174.60 to 175.60): VU026180.D (-2822) (-)
 Ion 253.75 (253.45 to 254.45): VU026180.D (-2822) (-)





#62

1,3-Dichlorobenzene

Concen: 0.535 ug/L

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :

MSVOA_U

ClientSampleId :

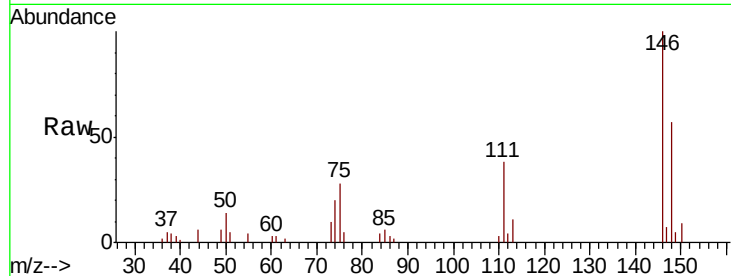
Tot Ion:146 Resp: 12410

Ion Ratio Lower Upper

146 100

111 38.3 27.9 51.7

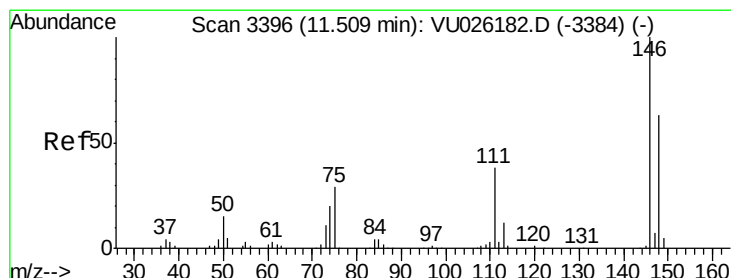
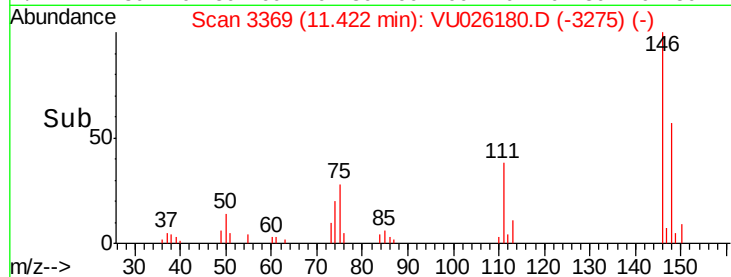
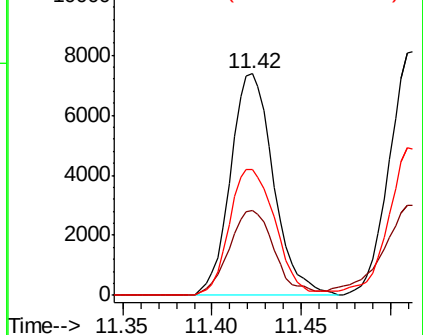
148 56.6 44.2 82.0



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: 0.593 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

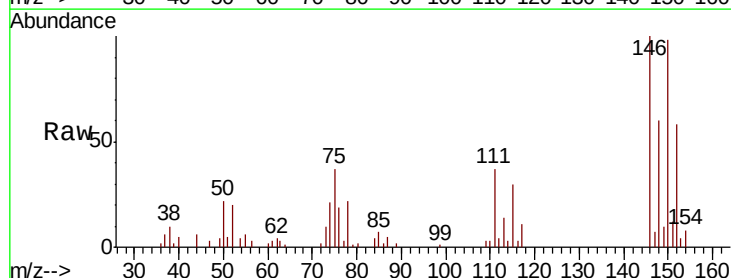
Tgt Ion:146 Resp: 13856

Ion Ratio Lower Upper

146 100

111 36.8 26.8 49.8

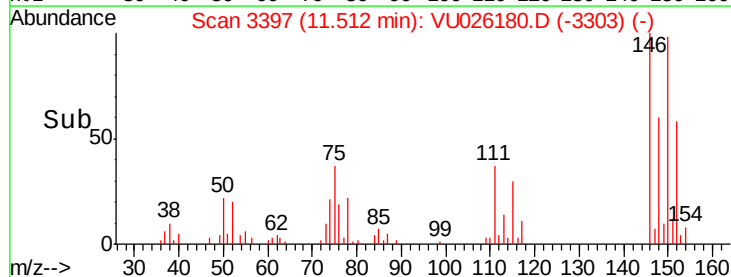
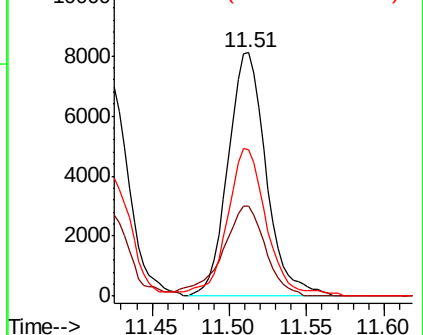
148 60.1 44.2 82.0

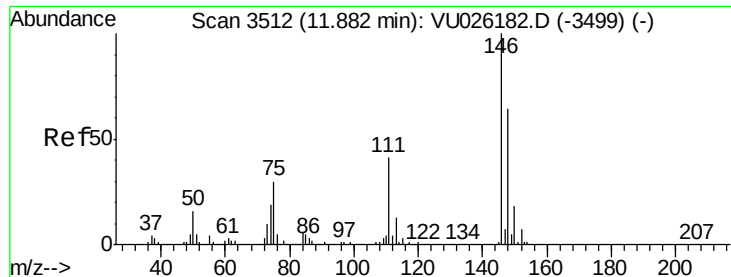


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.525 ug/L

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :

MSVOA_U

ClientSampleId :

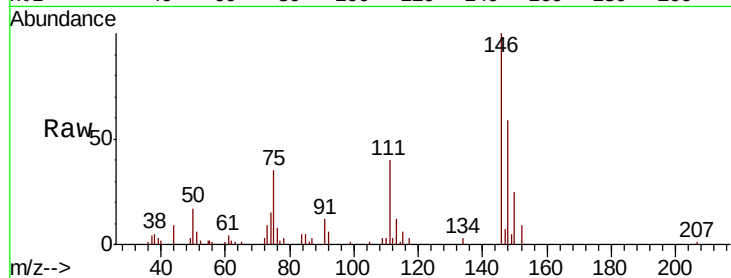
Tot Ion:146 Resp: 12203

Ion Ratio Lower Upper

146 100

111 40.3 33.0 49.4

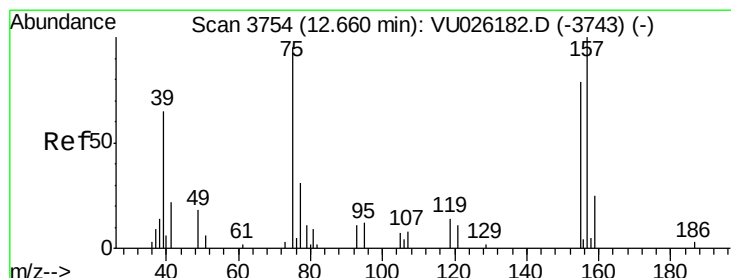
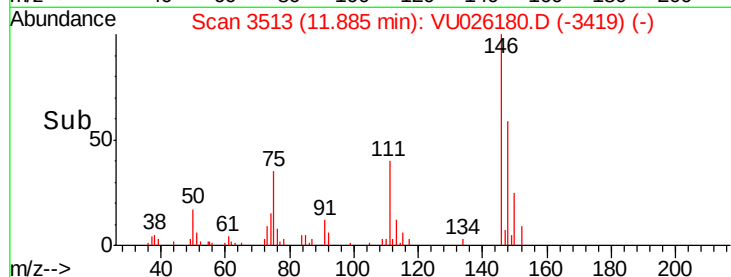
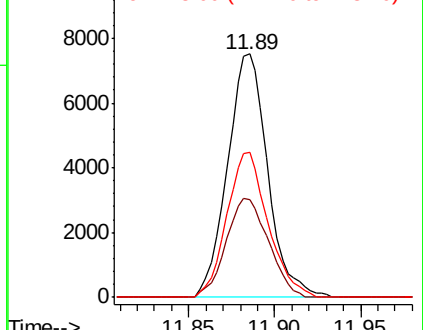
148 59.4 51.4 77.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.627 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

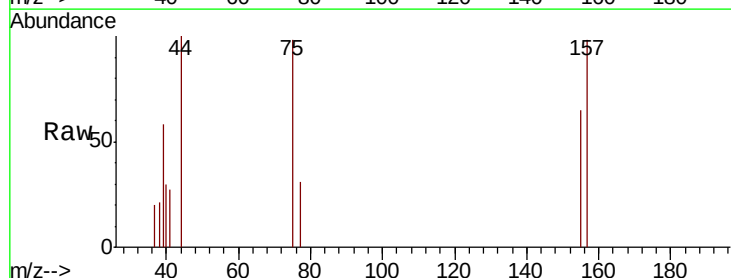
Tgt Ion: 75 Resp: 910

Ion Ratio Lower Upper

75 100

155 66.6 66.2 99.4

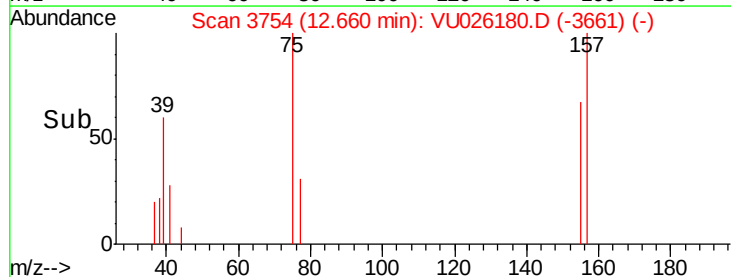
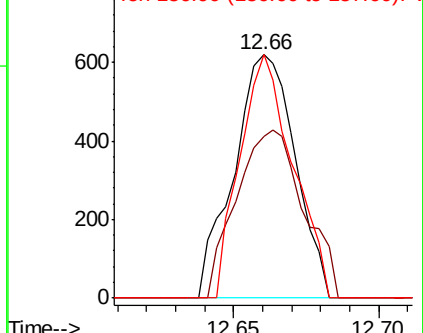
157 99.8 84.2 126.4

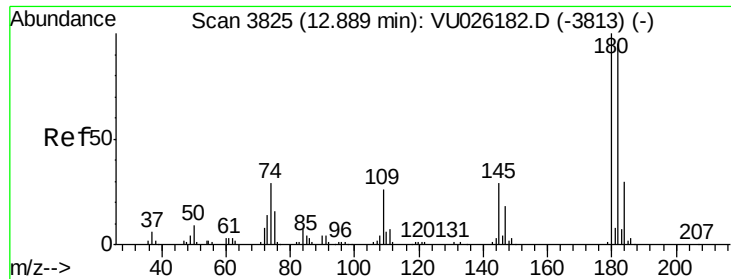


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

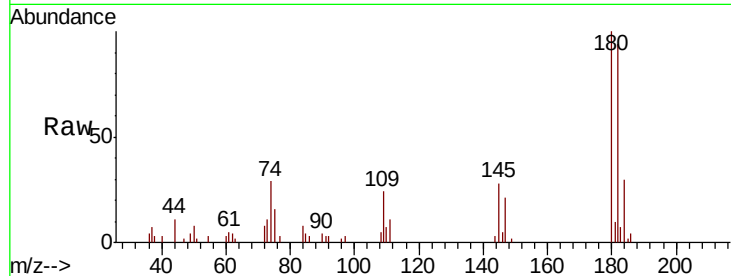




#67
 1,3,5-Trichlorobenzene
 Concen: 0.506 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU026180.D
 Acq: 17 Aug 2018 15:46

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	75.8	113.8
184	28.6	24.2	36.2
145	27.9	23.7	35.5



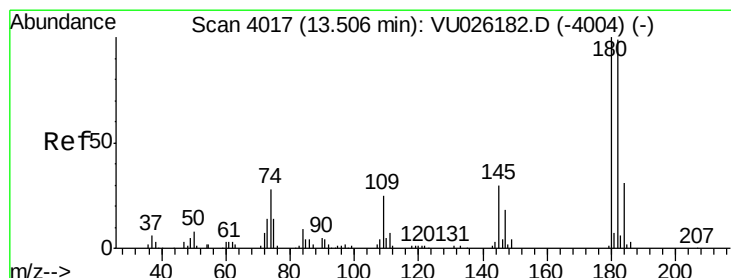
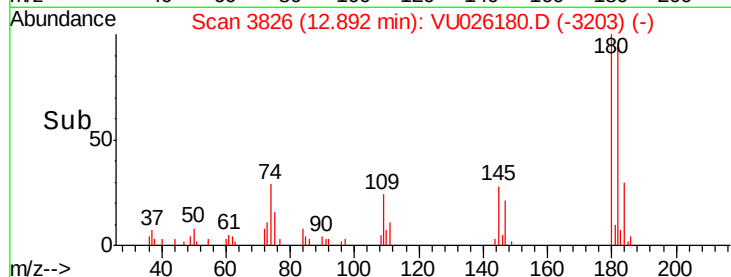
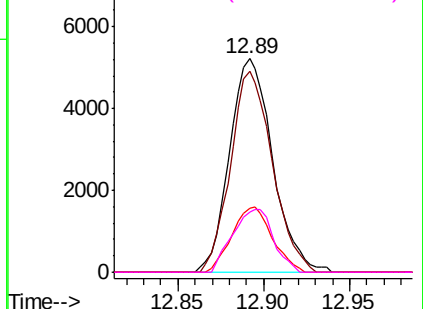
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

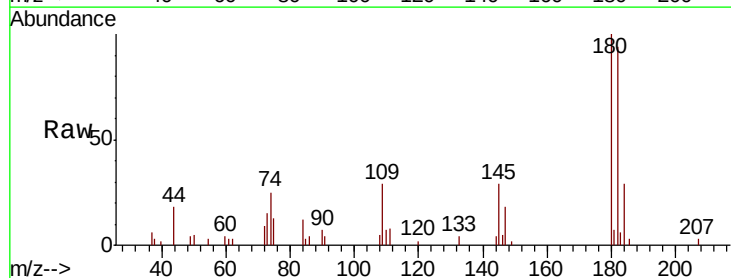
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.569 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU026180.D
 Acq: 17 Aug 2018 15:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.8	77.9	116.9
145	33.4	24.2	36.2

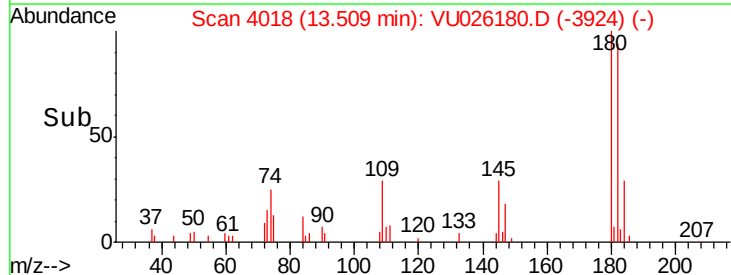
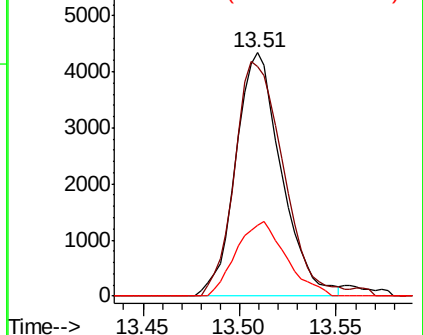


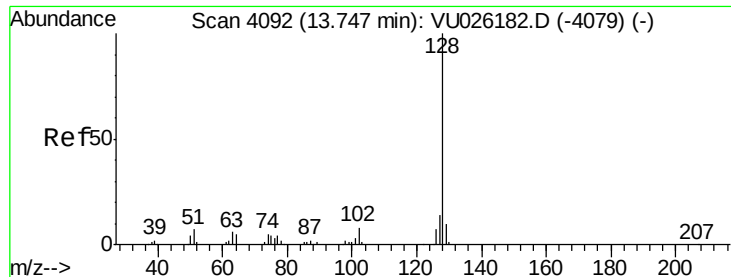
Abundance

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: 0.510 ug/L

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

Instrument :

MSVOA_U

ClientSampleId :

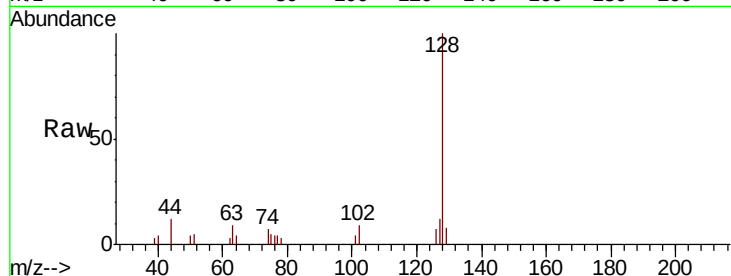
Tot Ion:128 Resp: 9589

Ion Ratio Lower Upper

128 100

129 8.0 8.6 13.0#

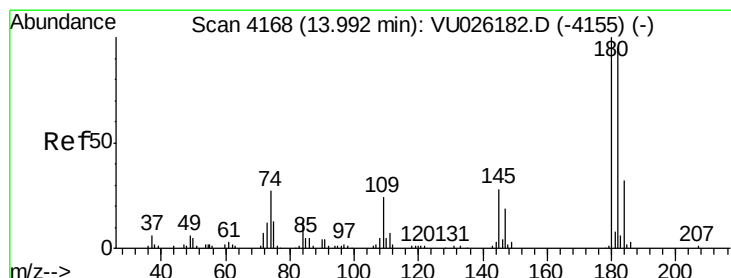
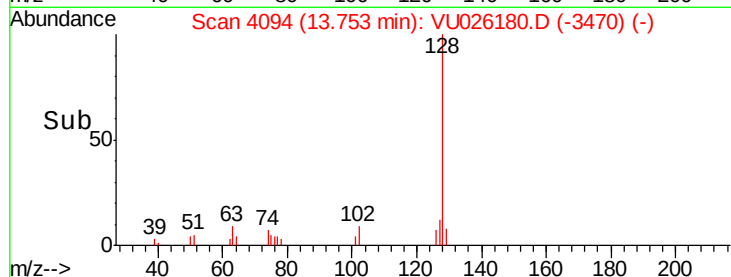
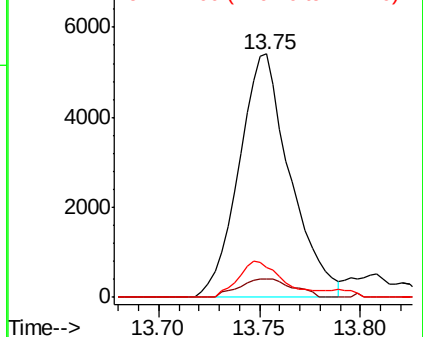
127 13.3 10.7 16.1



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: 0.552 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. -0.00 min

Lab File: VU026180.D

Acq: 17 Aug 2018 15:46

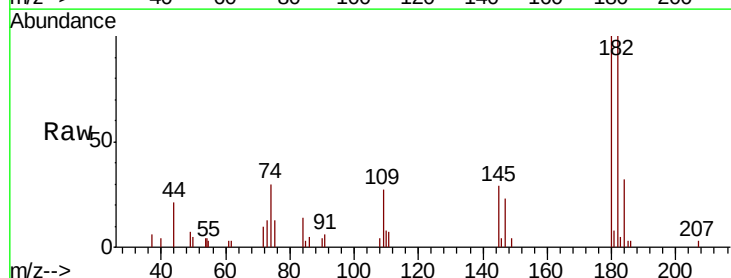
Tgt Ion:180 Resp: 6747

Ion Ratio Lower Upper

180 100

182 100.3 77.8 116.6

145 29.7 24.9 37.3



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

