

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\
 Data File : VU026182.D
 Acq On : 17 Aug 2018 16:34
 Operator : MD/SY
 Sample : VSTD00542
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 18 00:01:13 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	138538	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	138204	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	70378	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	39185	4.02	ug/L	0.00
7) Chloroethane-d5	1.68	69	31636	4.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	82055	4.54	ug/L	0.00
20) 2-Butanone-d5	4.19	46	110679	45.18	ug/L	0.00
24) Chloroform-d	4.65	84	84192	4.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	47953	5.24	ug/L	0.00
32) Benzene-d6	5.34	84	174269	4.50	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.34	67	54724	4.51	ug/L	0.00
41) Toluene-d8	7.57	98	170040	4.67	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	22837	5.55	ug/L	0.00
46) 2-Hexanone-d5	8.32	63	97166	46.64	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	44123	4.77	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	65718	4.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	65403	5.792	ug/L 100
3) Chloromethane	1.33	50	60351	5.244	ug/L 100
5) Vinyl chloride	1.41	62	57491	5.030	ug/L 100
6) Bromomethane	1.63	94	31408	5.261	ug/L 100
8) Chloroethane	1.70	64	33136	4.129	ug/L 100
9) Trichlorofluoromethane	1.89	101	84490	5.576	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	45745	5.088	ug/L 100
12) 1,1-Dichloroethene	2.29	96	41327	4.885	ug/L 100
13) Acetone	2.32	43	67735	46.691	ug/L 100
14) Carbon disulfide	2.48	76	145996	5.123	ug/L 100
15) Methyl Acetate	2.62	43	20136	4.562	ug/L 100
16) Methylene chloride	2.70	84	45067	4.678	ug/L 100
17) Methyl tert-butyl Ether	3.01	73	104207	5.094	ug/L 100
18) trans-1,2-Dichloroethene	2.98	96	44681	4.890	ug/L 100
19) 1,1-Dichloroethane	3.45	63	86880	4.981	ug/L 100
21) 2-Butanone	4.28	43	126788	50.184	ug/L 100
22) cis-1,2-Dichloroethene	4.23	96	56160	5.437	ug/L 100
23) Bromochloromethane	4.55	128	25123	5.470	ug/L 100
25) Chloroform	4.68	83	109418	6.055	ug/L 100
27) 1,2-Dichloroethane	5.41	62	63829	5.865	ug/L 100
29) 1,1,1-Trichloroethane	4.92	97	90722	5.886	ug/L 100
30) Cyclohexane	5.00	56	77689	4.891	ug/L 100
31) Carbon tetrachloride	5.14	117	84014	6.220	ug/L 100
33) Benzene	5.39	78	209155	5.129	ug/L 100
34) Trichloroethene	6.19	95	55032	5.131	ug/L 100
35) Methylcyclohexane	6.42	83	82162	4.989	ug/L 100
37) 1,2-Dichloropropane	6.44	63	55290	5.161	ug/L 100
38) Bromodichloromethane	6.76	83	71432	5.722	ug/L 100
39) cis-1,3-Dichloropropene	7.27	75	71516	5.359	ug/L 100
40) 4-Methyl-2-pentanone	7.47	43	308296	52.559	ug/L 100

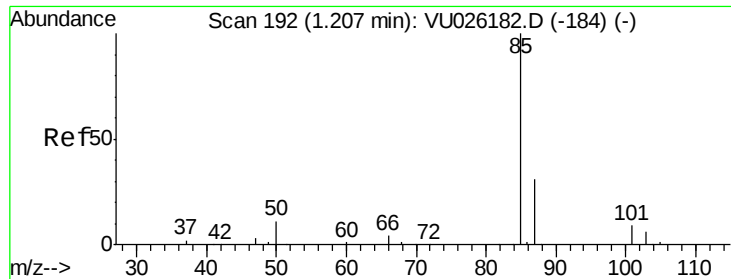
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	224549	5.353	ug/L	100
44) trans-1,3-Dichloropropene	7.89	75	63140	5.832	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	37647	5.249	ug/L	100
47) Tetrachloroethene	8.23	164	47899	5.384	ug/L	100
48) 2-Hexanone	8.37	43	214760	50.912	ug/L	100
49) Dibromochloromethane	8.48	129	51457	6.125	ug/L	100
50) 1,2-Dibromoethane	8.59	107	37039	5.590	ug/L	100
51) Chlorobenzene	9.12	112	144657	5.238	ug/L	100
52) Ethylbenzene	9.25	91	229940	5.294	ug/L	100
53) m,p-xylene	9.38	106	90694	5.483	ug/L	100
54) o-xylene	9.78	106	87380	5.409	ug/L	100
55) Styrene	9.80	104	151697	5.669	ug/L	100
56) Isopropylbenzene	10.17	105	234643	5.565	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	47347	5.242	ug/L	100
59) 1,2,3-Trichloropropane	10.50	75	33168	5.436	ug/L	100
61) Bromoform	9.96	173	28242	5.452	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	111829	5.034	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	116304	5.196	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	111600	5.012	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	7604	5.467	ug/L	100
67) 1,3,5-Trichlorobenzene	12.89	180	89597	5.181	ug/L	100
68) 1,2,4-trichlorobenzene	13.51	180	66993	5.583	ug/L	100
69) Naphthalene	13.75	128	96880	5.380	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	64268	5.487	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.792 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

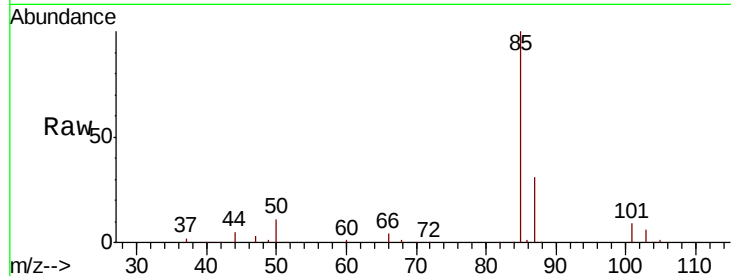
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 65403

Ion Ratio Lower Upper

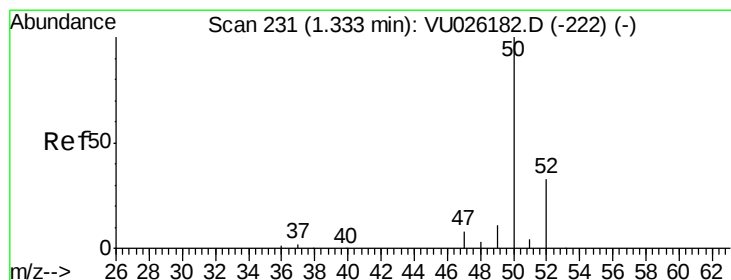
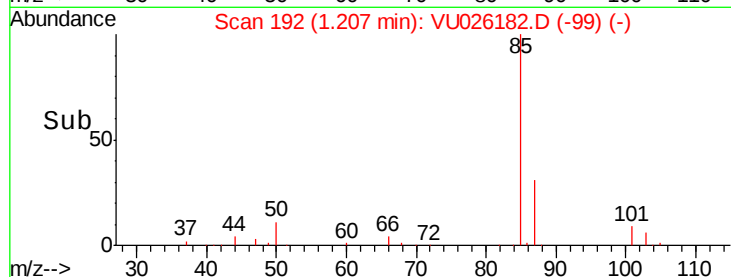
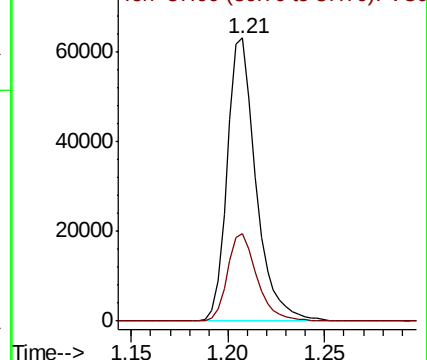
85 100

87 31.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 5.244 ug/L

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU026182.D

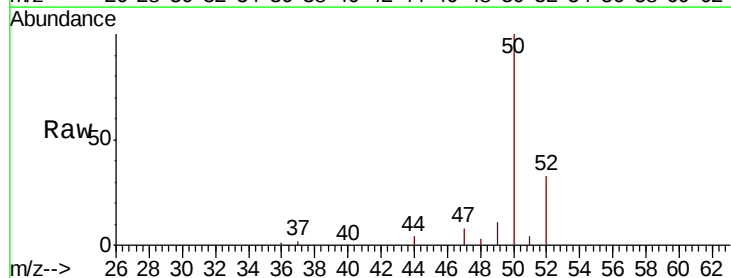
Acq: 17 Aug 2018 16:34

Tgt Ion: 50 Resp: 60351

Ion Ratio Lower Upper

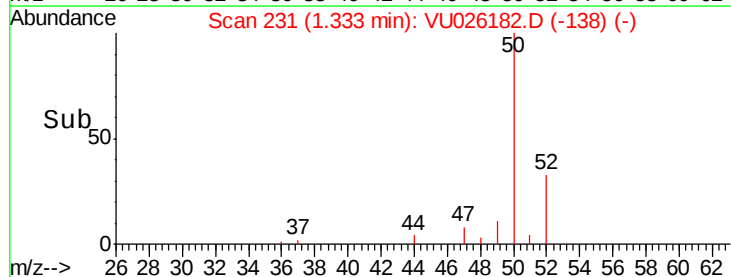
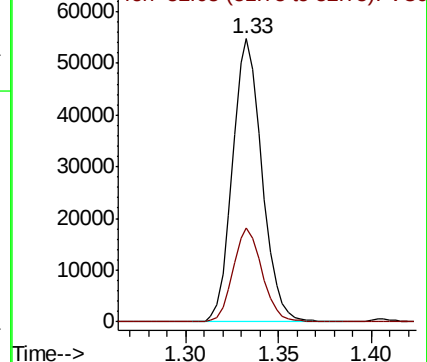
50 100

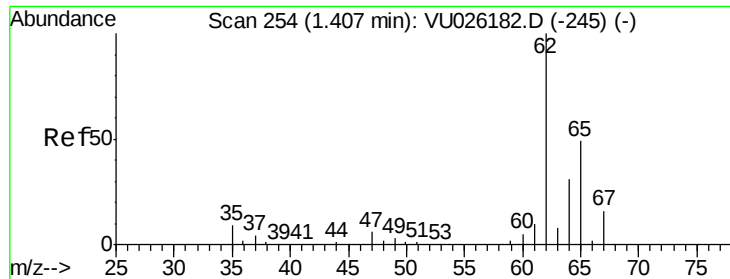
52 33.0 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.030 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

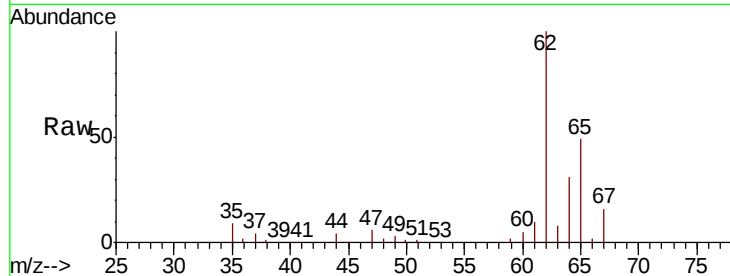
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 57491

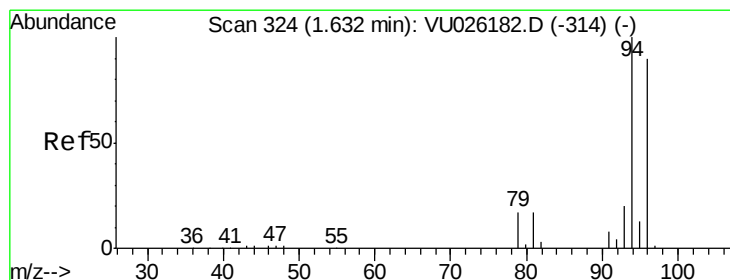
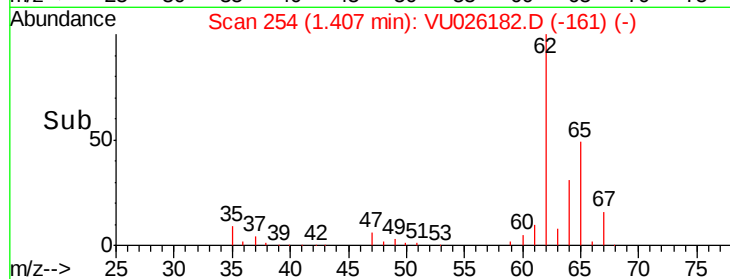
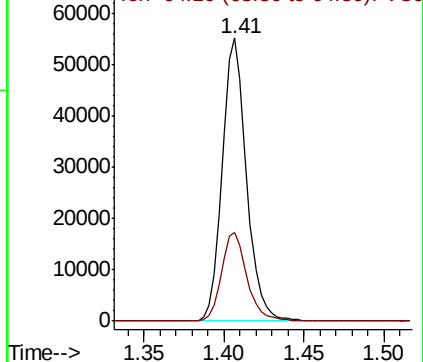
Ion Ratio Lower Upper

62 100

64 31.4 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: 5.261 ug/L

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU026182.D

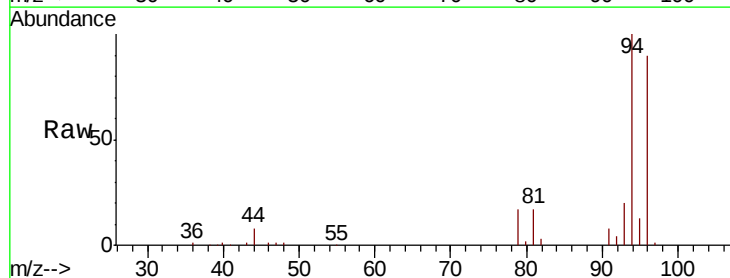
Acq: 17 Aug 2018 16:34

Tgt Ion: 94 Resp: 31408

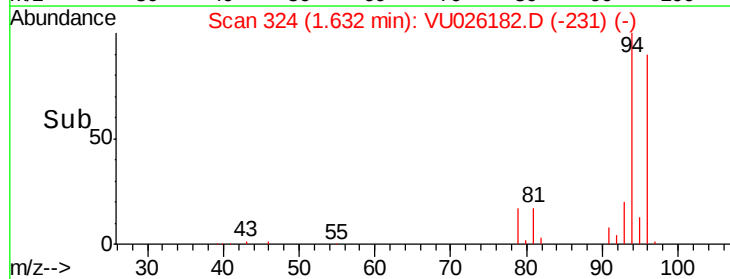
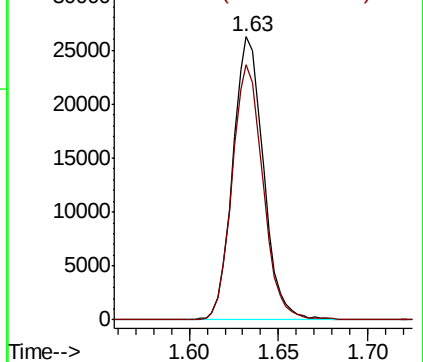
Ion Ratio Lower Upper

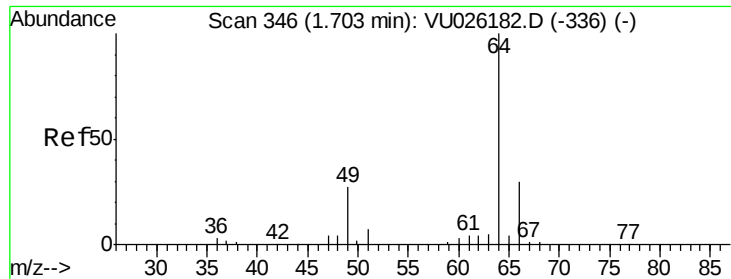
94 100

96 90.1 63.1 117.1



Abundance Ion 94.00 (93.70 to 94.70): VU0
Ion 96.00 (95.70 to 96.70): VU0

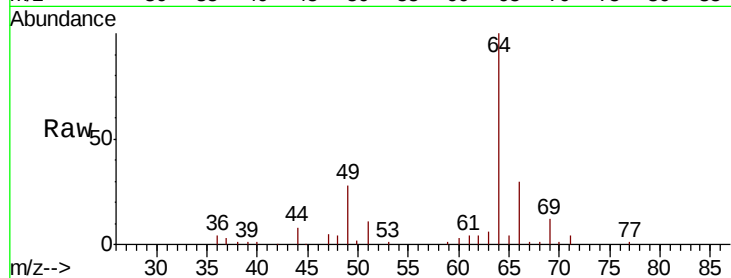




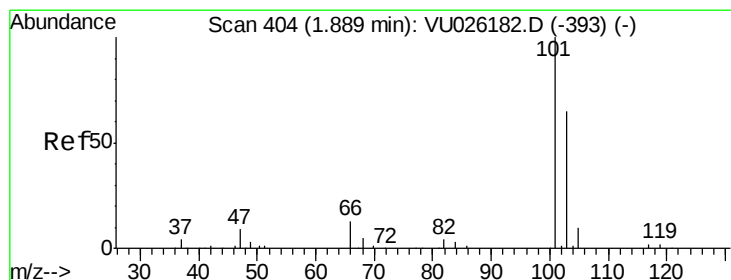
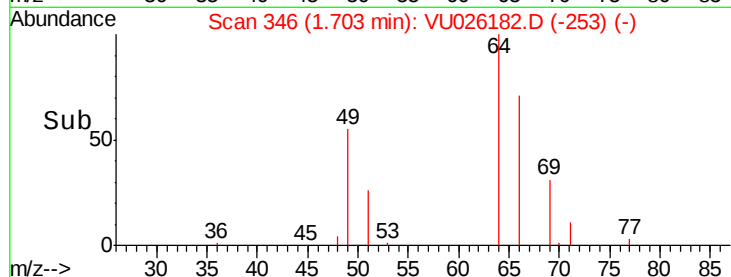
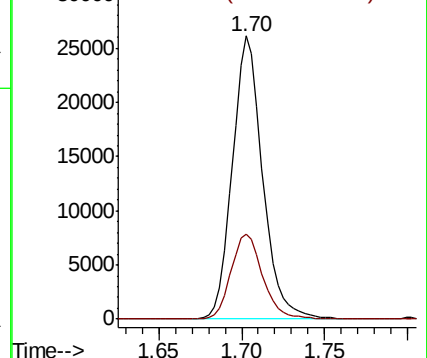
#8
Chloroethane
Concen: 4.129 ug/L
RT: 1.70 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU026182.D
Acq: 17 Aug 2018 16:34

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 33136
Ion Ratio Lower Upper
64 100
66 30.1 21.1 39.1

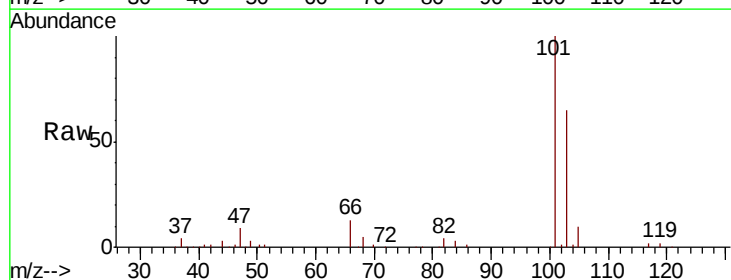


Abundance Ion 64.10 (63.80 to 64.80): VU026182.D (-336) (-)
Ion 66.05 (65.75 to 66.75): VU026182.D (-336) (-)

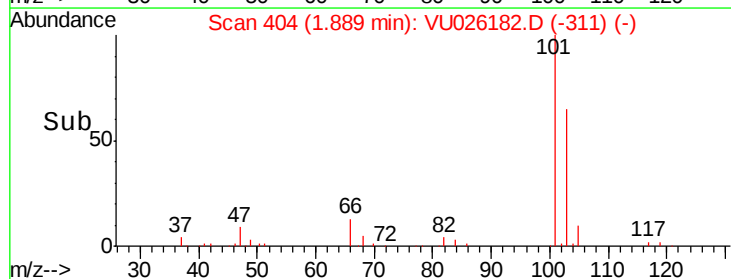
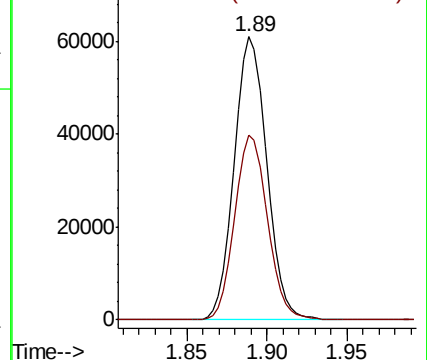


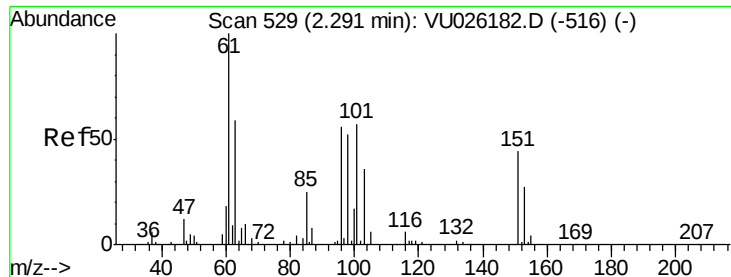
#9
Trichlorofluoromethane
Concen: 5.576 ug/L
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU026182.D
Acq: 17 Aug 2018 16:34

Tgt Ion:101 Resp: 84490
Ion Ratio Lower Upper
101 100
103 65.5 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VU026182.D (-393) (-)
Ion 103.00 (102.70 to 103.70): VU026182.D (-393) (-)





#10

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

Concen: 5.088 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

Instrument :

MSVOA_U

ClientSampleId :

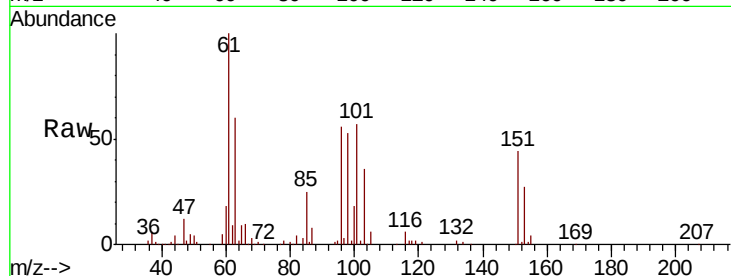
Tot Ion:101 Resp: 45745

Ion Ratio Lower Upper

101 100

85 45.7 36.6 54.8

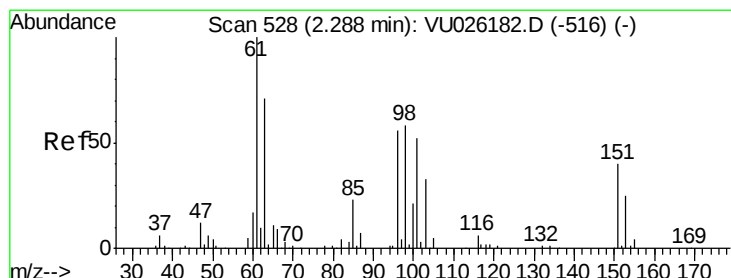
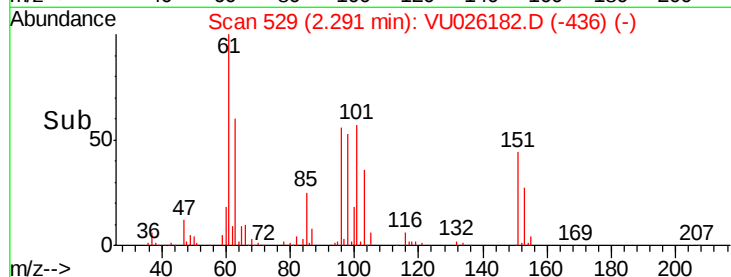
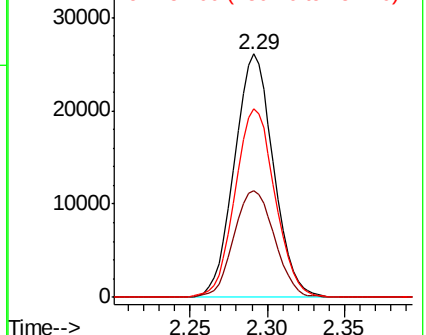
151 79.3 63.4 95.2



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: 4.885 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

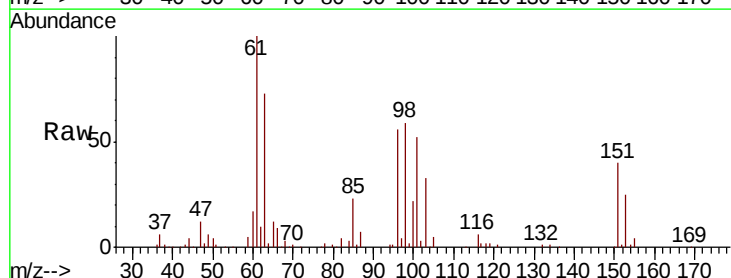
Tgt Ion: 96 Resp: 41327

Ion Ratio Lower Upper

96 100

61 179.0 125.3 232.7

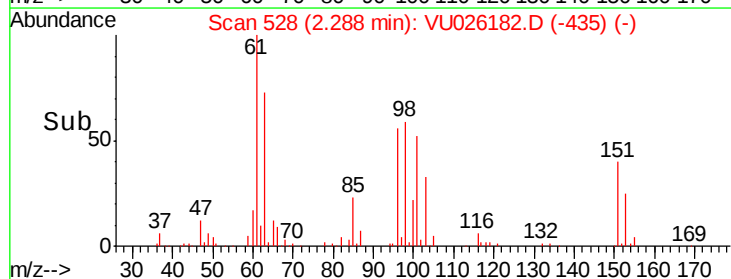
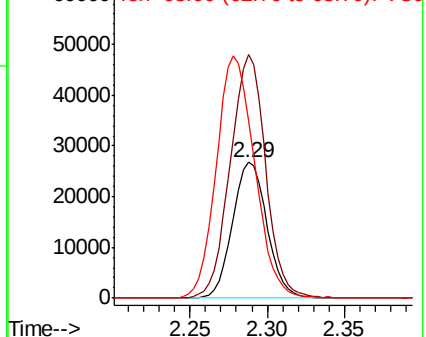
63 129.9 90.9 168.9

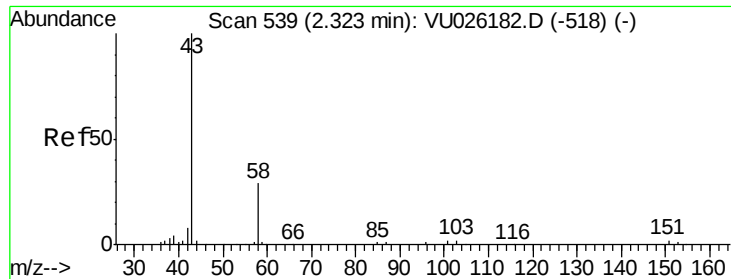


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.691 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

Instrument :

MSVOA_U

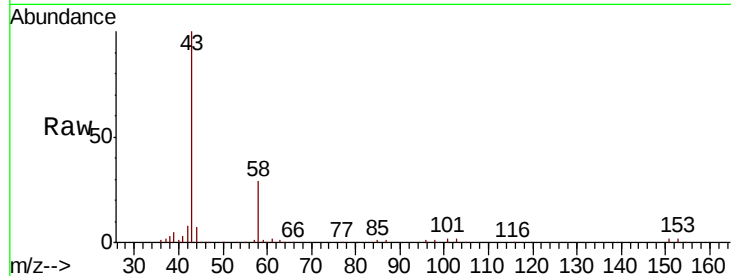
ClientSampleId :

Tot Ion: 43 Resp: 67735

Ion Ratio Lower Upper

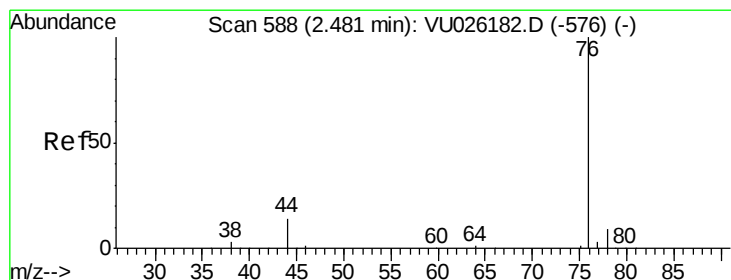
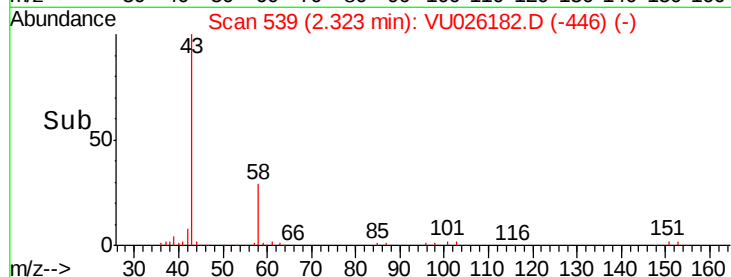
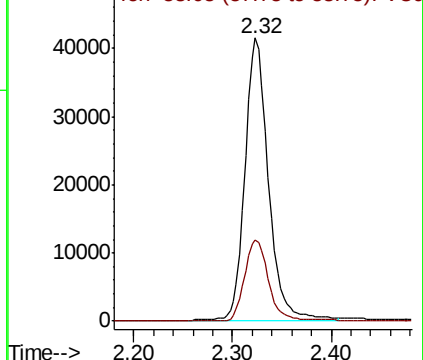
43 100

58 29.5 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 5.123 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU026182.D

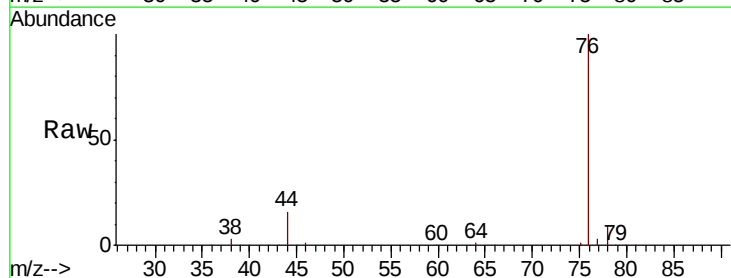
Acq: 17 Aug 2018 16:34

Tgt Ion: 76 Resp: 145996

Ion Ratio Lower Upper

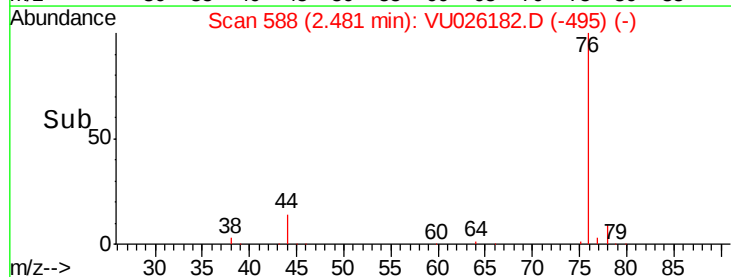
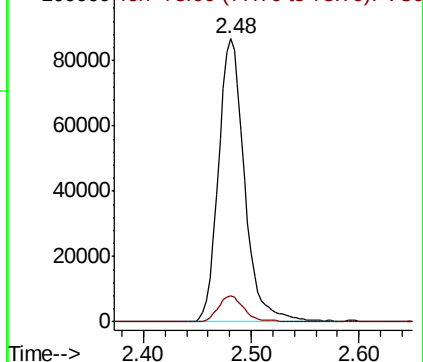
76 100

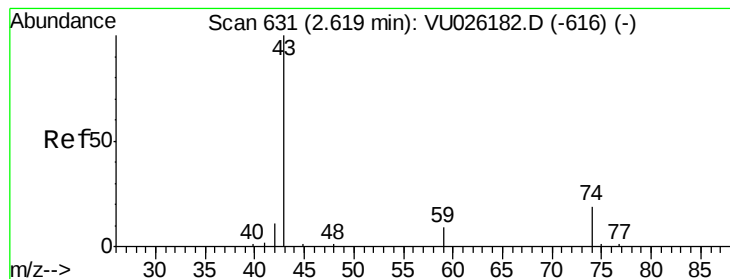
78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 4.562 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

Instrument :

MSVOA_U

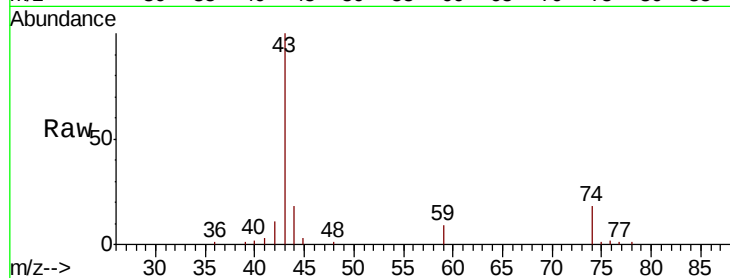
ClientSampleId :

Tot Ion: 43 Resp: 20136

Ion Ratio Lower Upper

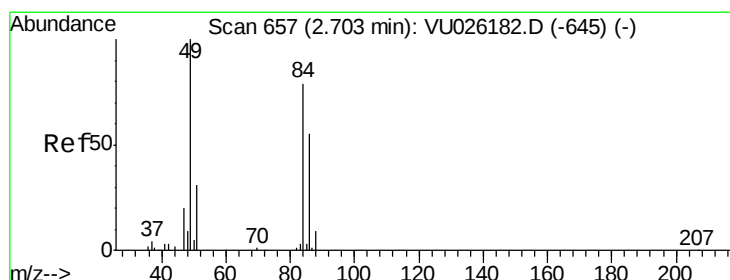
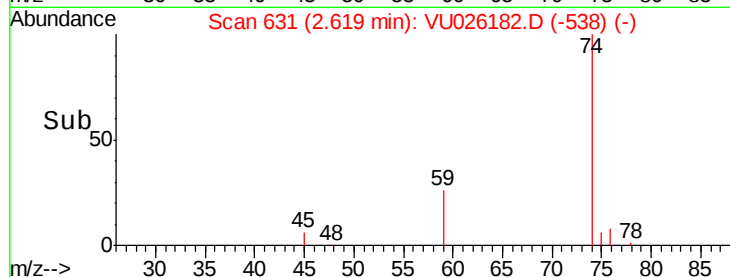
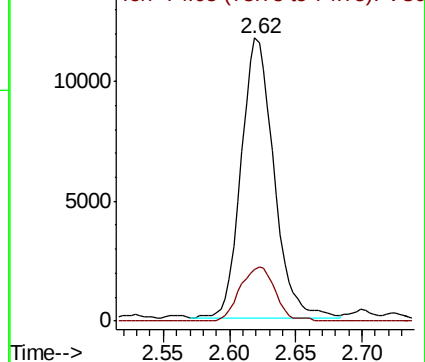
43 100

74 20.7 16.6 24.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.678 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

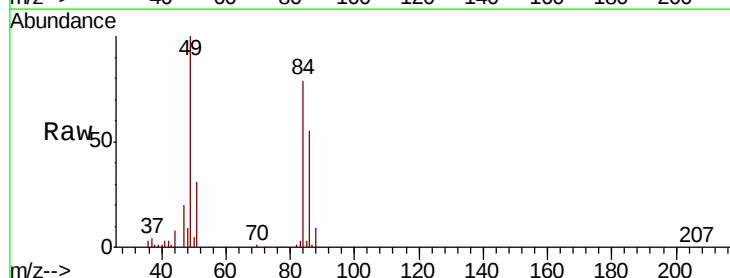
Tgt Ion: 84 Resp: 45067

Ion Ratio Lower Upper

84 100

86 69.4 48.6 90.2

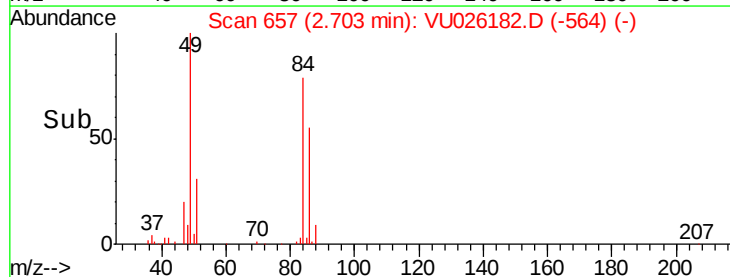
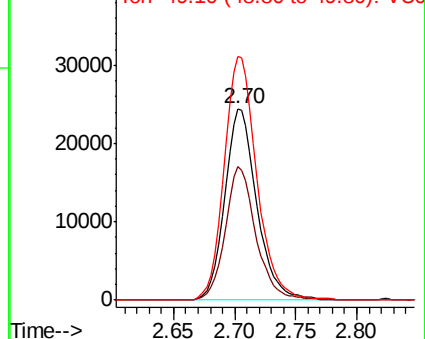
49 127.2 89.0 165.4

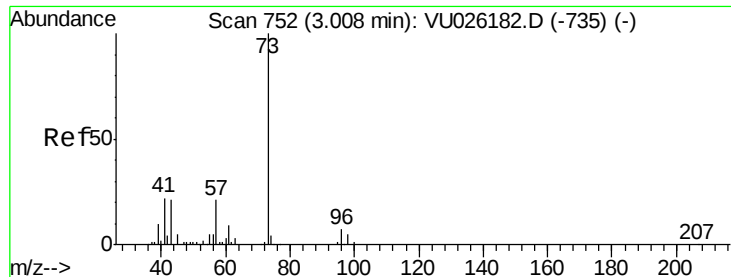


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

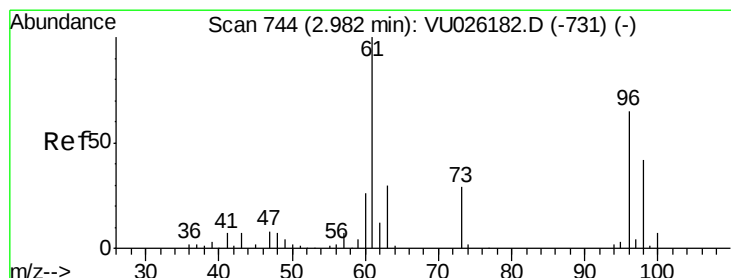
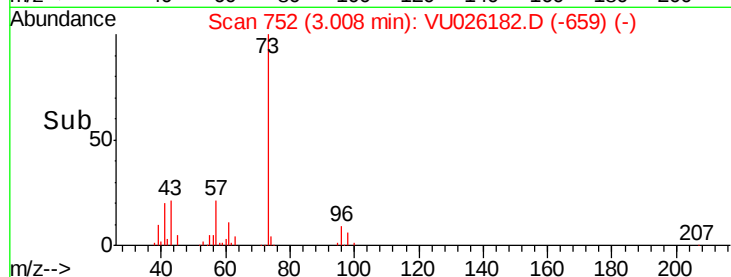
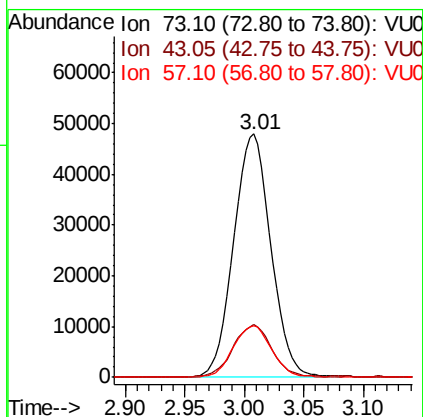
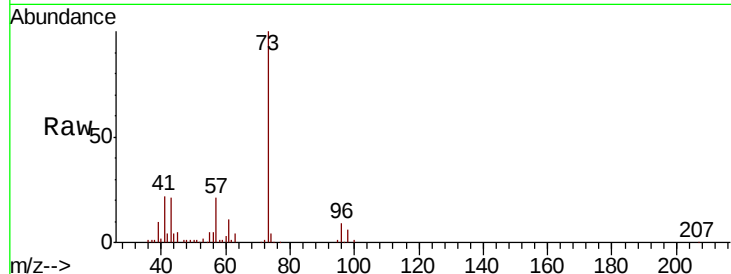




#17
Methvl tert-butvl Ether
Concen: 5.094 ug/L
RT: 3.01 min Scan# 752
Delta R.T. 0.00 min
Lab File: VU026182.D
Acq: 17 Aug 2018 16:34

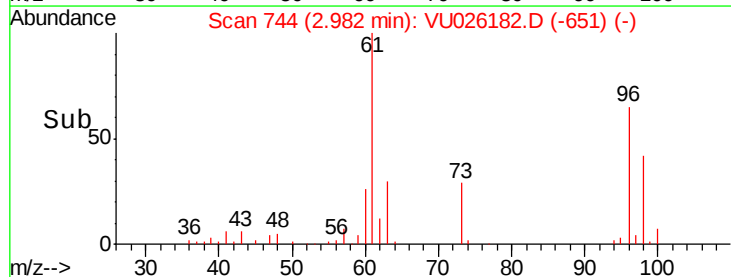
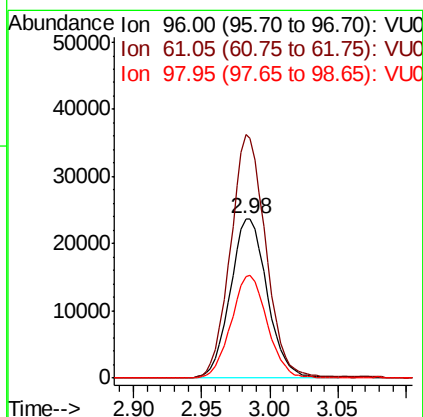
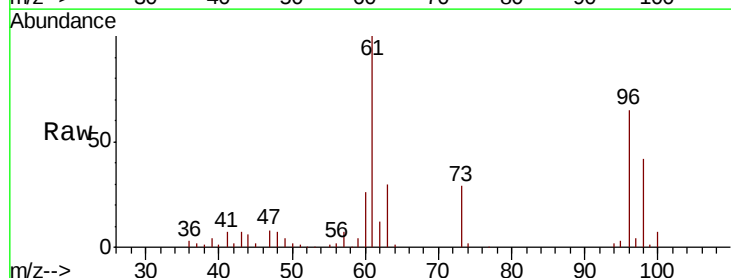
Instrument :
MSVOA_U
ClientSampleId :

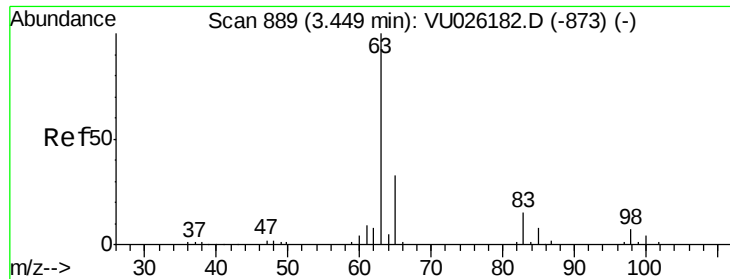
Tot Ion: 73 Resp: 104207
Ion Ratio Lower Upper
73 100
43 22.7 18.2 27.2
57 21.9 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 4.890 ug/L
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU026182.D
Acq: 17 Aug 2018 16:34

Tgt Ion: 96 Resp: 44681
Ion Ratio Lower Upper
96 100
61 152.8 107.0 198.6
98 63.5 44.4 82.5

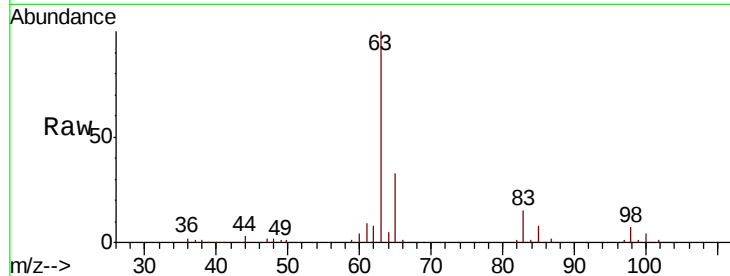




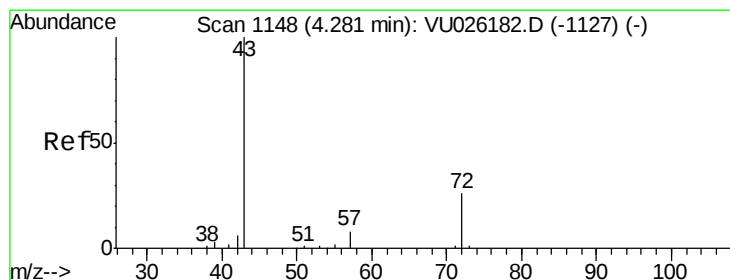
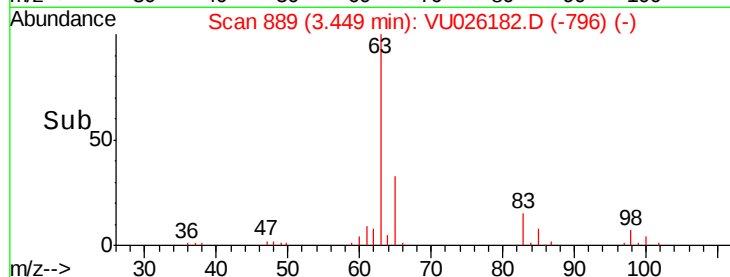
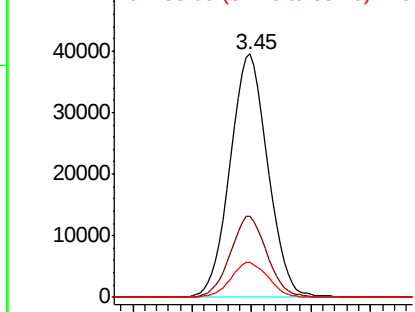
#19
 1,1-Dichloroethane
 Concen: 4.981 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 86880
 Ion Ratio Lower Upper
 63 100
 65 33.1 23.2 43.0
 83 14.5 10.1 18.9

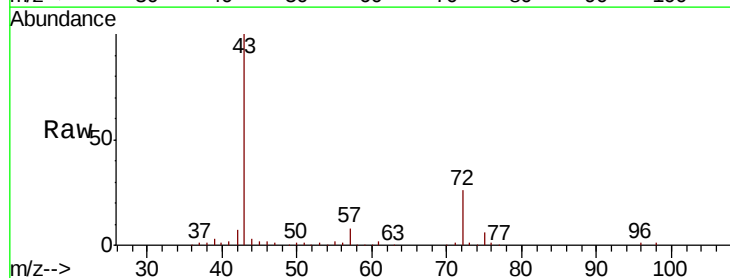


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

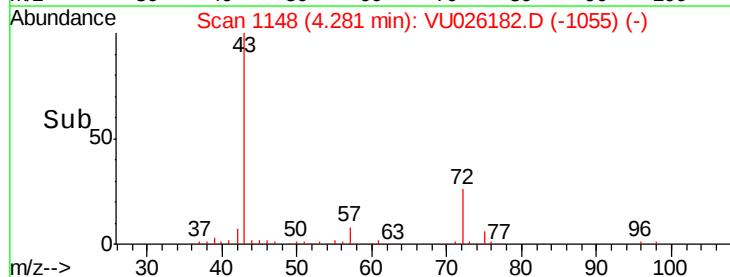
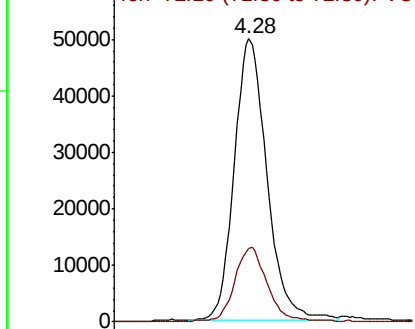


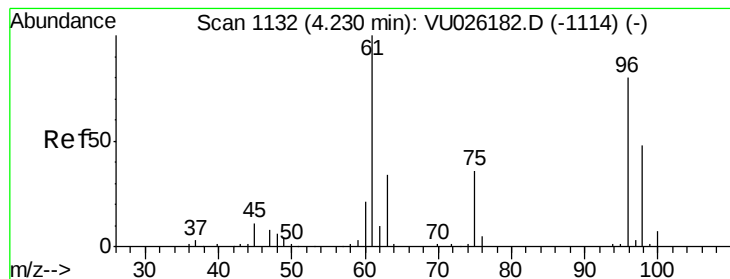
#21
 2-Butanone
 Concen: 50.184 ug/L
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

Tgt Ion: 43 Resp: 126788
 Ion Ratio Lower Upper
 43 100
 72 26.6 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: 5.437 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

Instrument :
MSVOA_U
ClientSampleId :

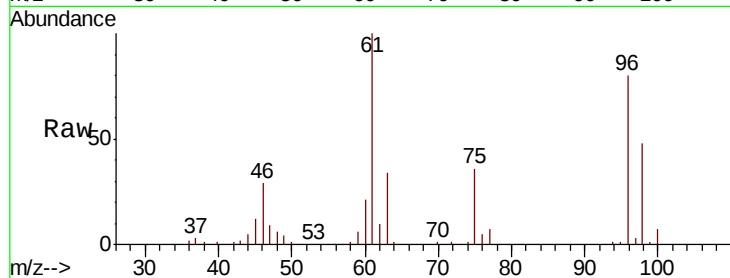
Tot Ion: 96 Resp: 56160

Ion Ratio Lower Upper

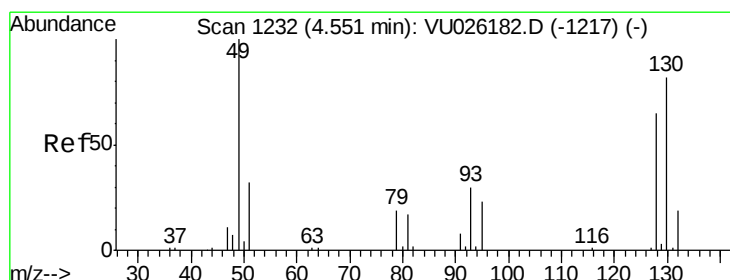
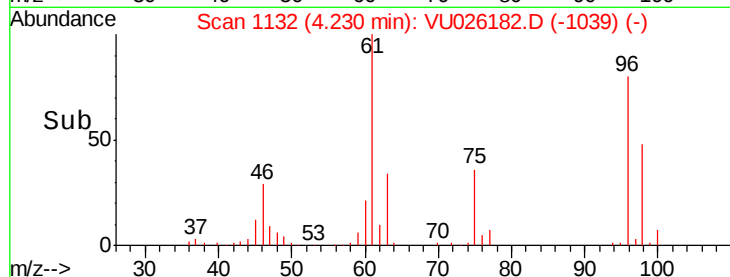
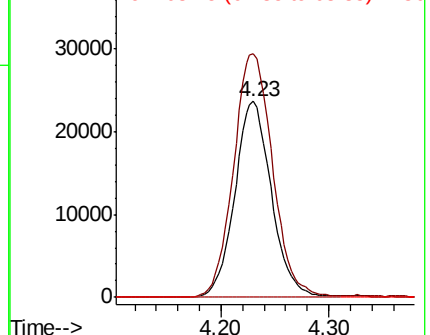
96 100

61 124.4 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: 5.470 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

Tgt Ion: 128 Resp: 25123

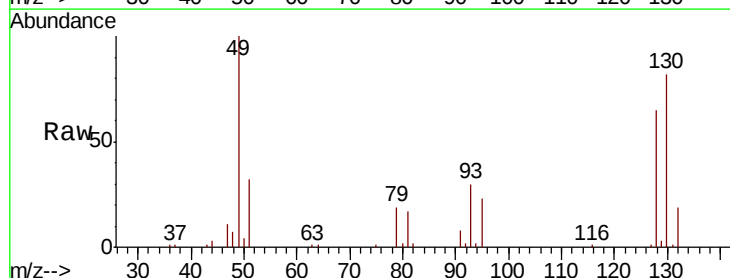
Ion Ratio Lower Upper

128 100

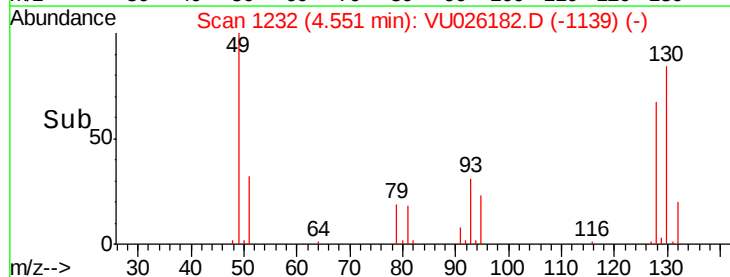
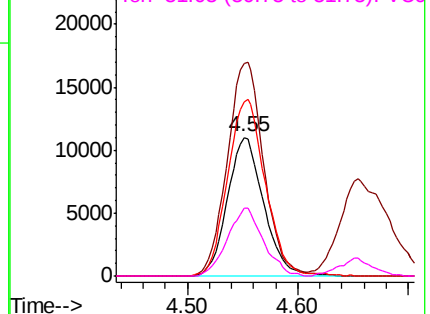
49 153.7 107.6 199.8

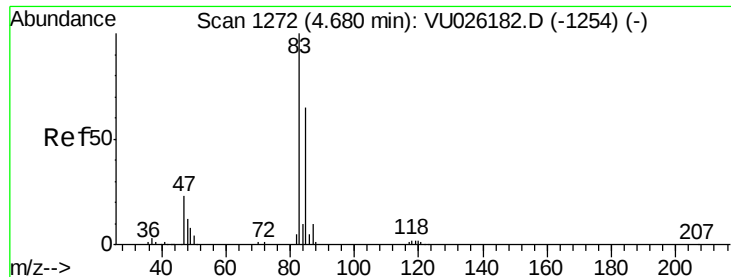
130 126.0 88.2 163.8

51 49.0 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

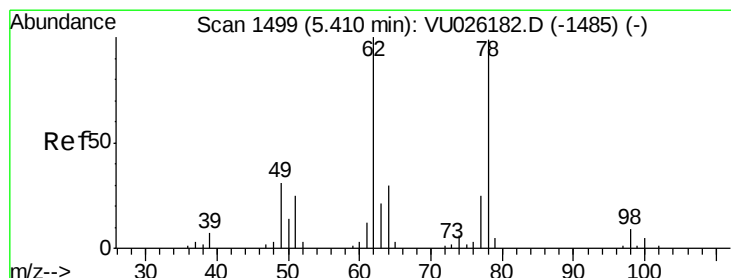
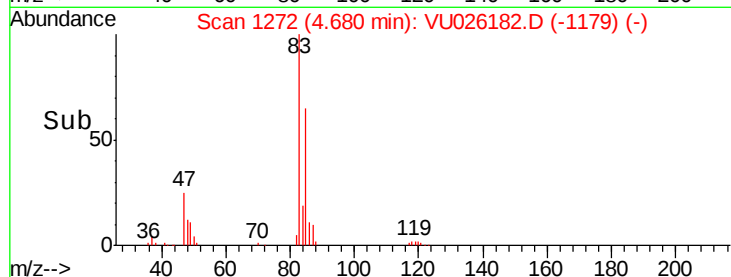
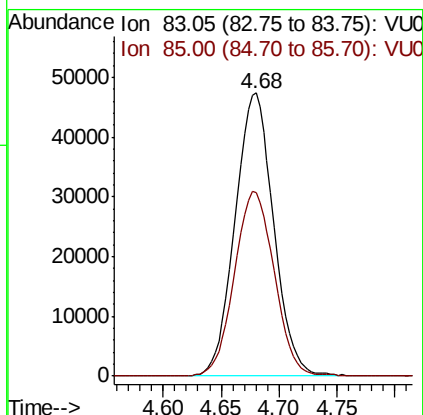
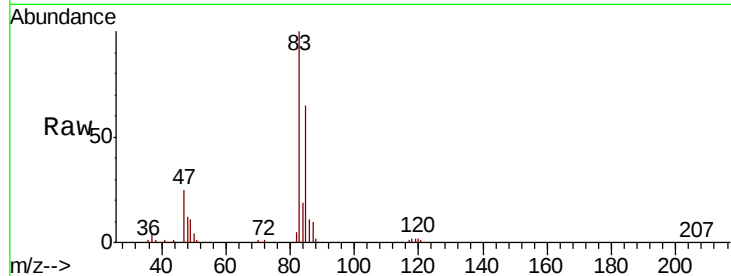




#25
Chloroform
Concen: 6.055 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU026182.D
Acq: 17 Aug 2018 16:34

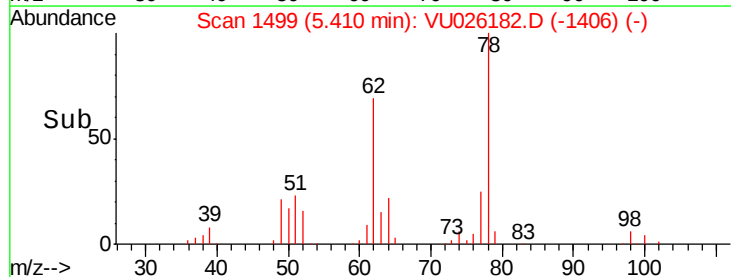
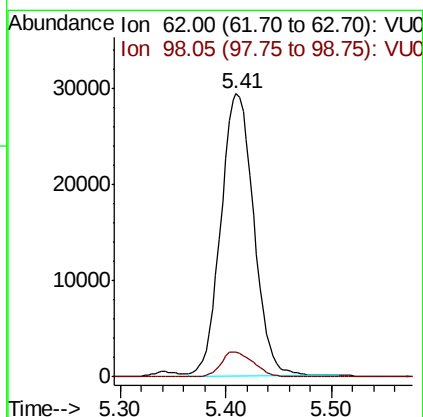
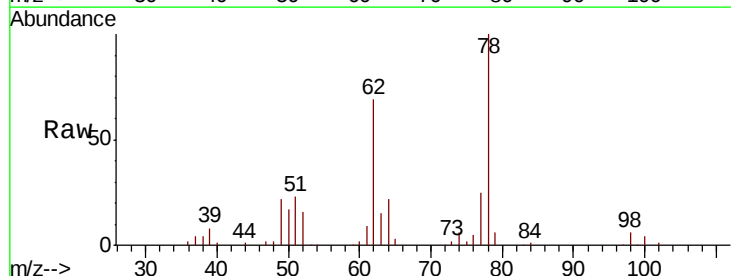
Instrument :
MSVOA_U
ClientSampleId :

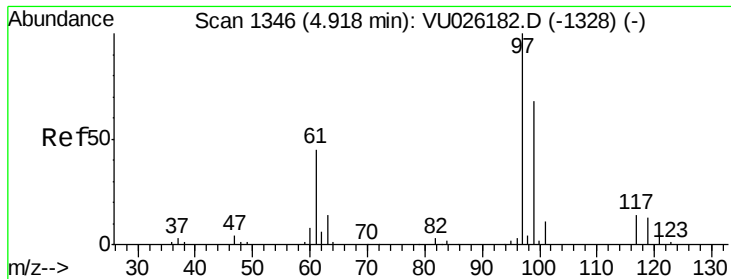
Tot Ion: 83 Resp: 109418
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.865 ug/L
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU026182.D
Acq: 17 Aug 2018 16:34

Tgt Ion: 62 Resp: 63829
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3

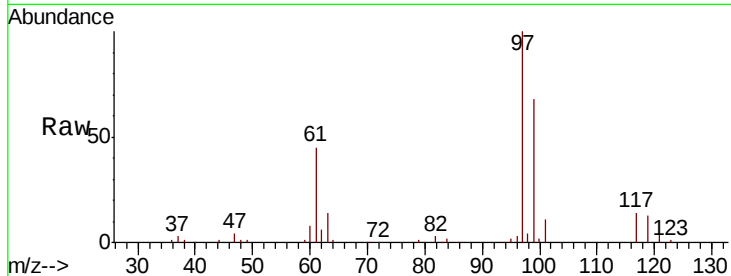




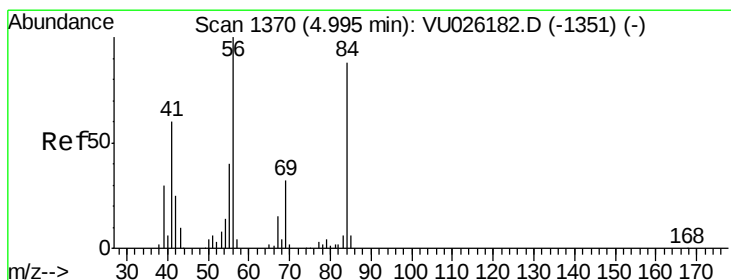
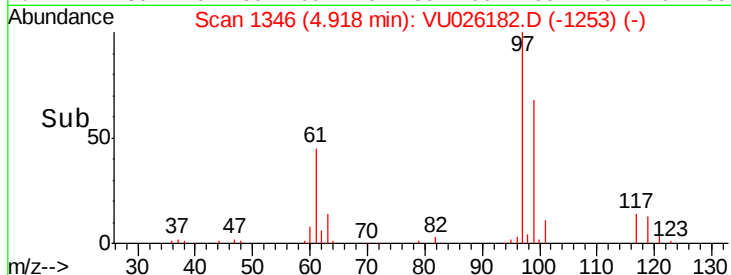
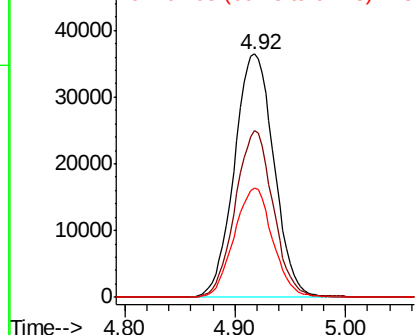
#29
 1,1,1-Trichloroethane
 Concen: 5.886 ug/L
 RT: 4.92 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 90722
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.3 78.5
 61 43.8 35.0 52.6

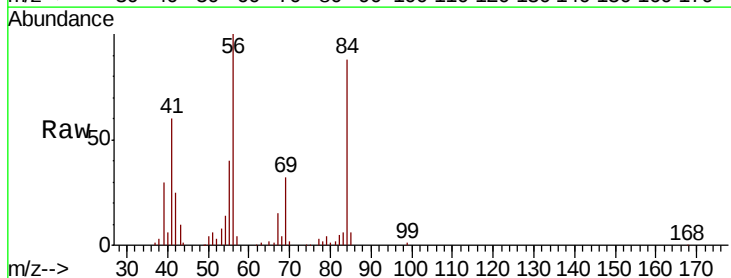


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

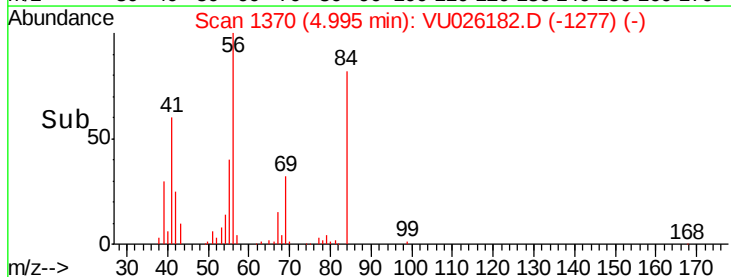
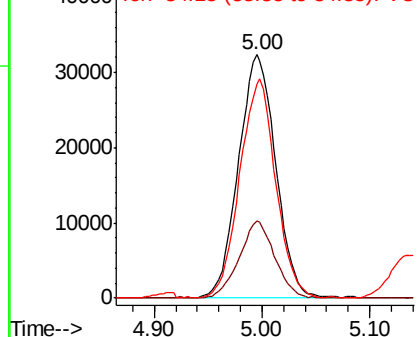


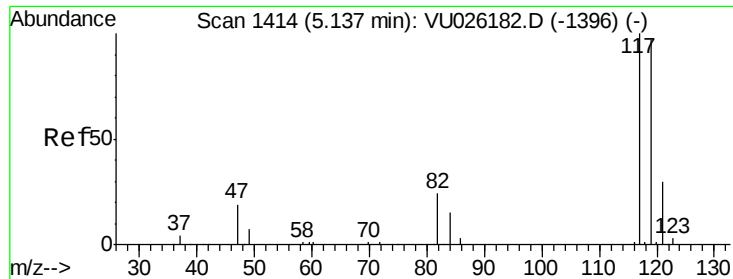
#30
 Cyclohexane
 Concen: 4.891 ug/L
 RT: 5.00 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

Tgt Ion: 56 Resp: 77689
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.2 36.2
 84 86.6 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: 6.220 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

Instrument :

MSVOA_U

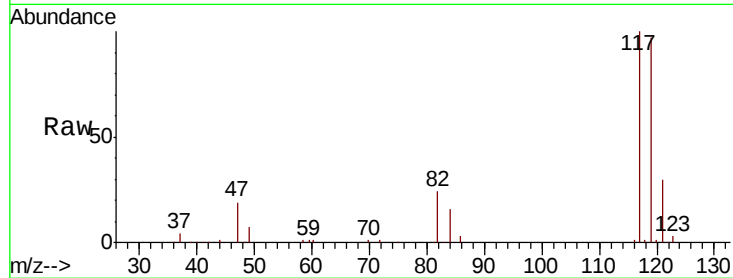
ClientSampleId :

Tot Ion:117 Resp: 84014

Ion Ratio Lower Upper

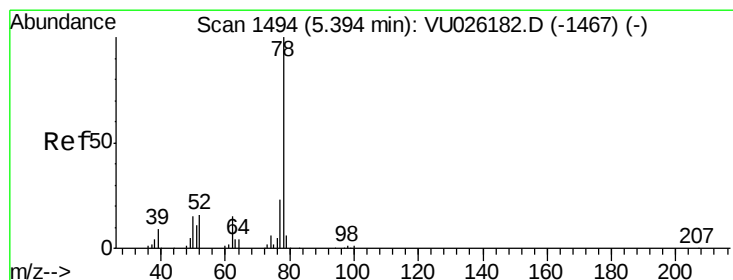
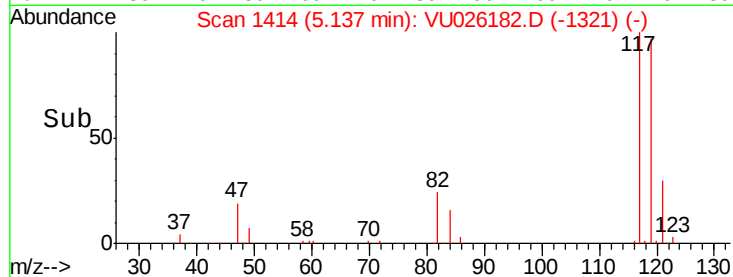
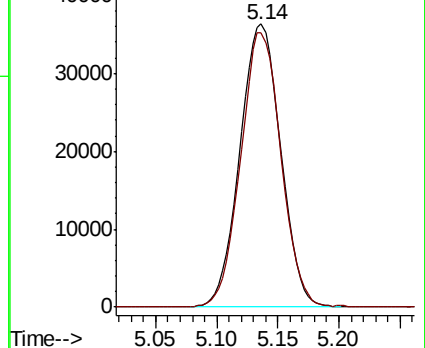
117 100

119 95.8 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.129 ug/L

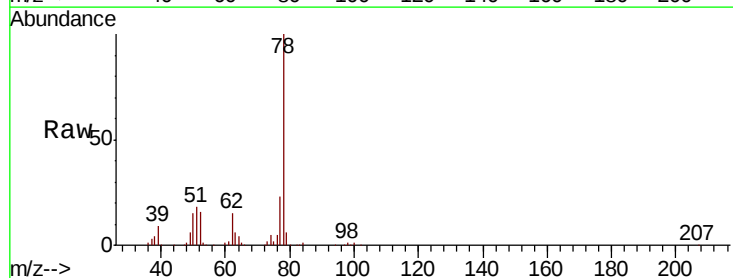
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

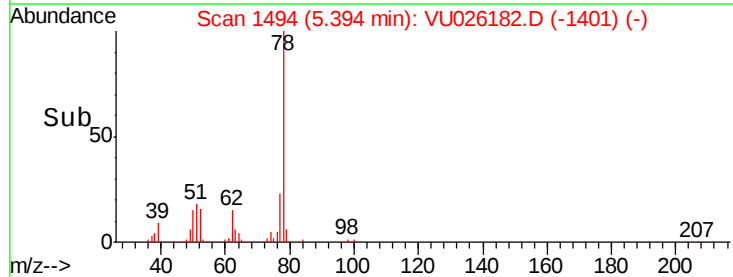
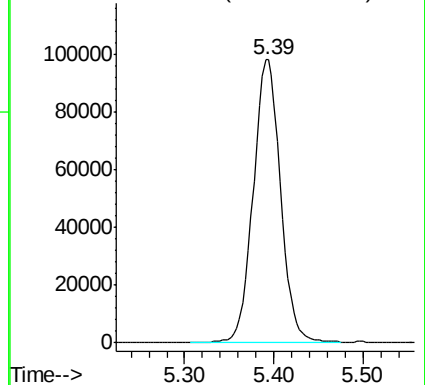
Lab File: VU026182.D

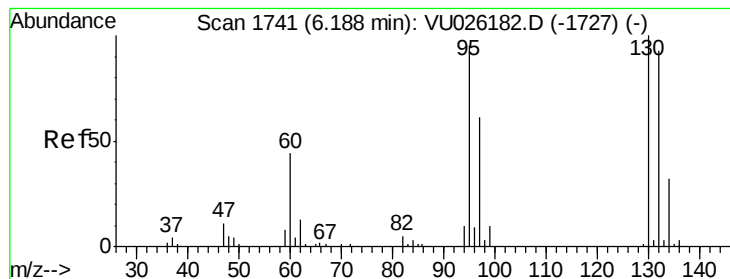
Acq: 17 Aug 2018 16:34

Tgt Ion: 78 Resp: 209155



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.131 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 55032

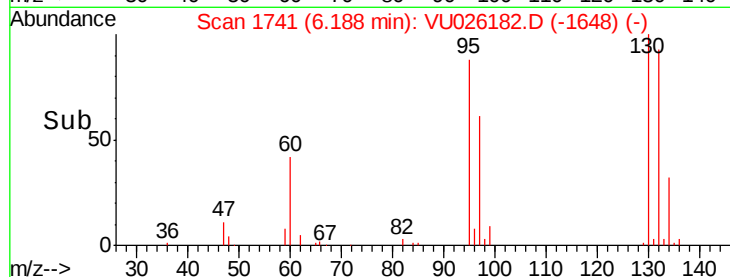
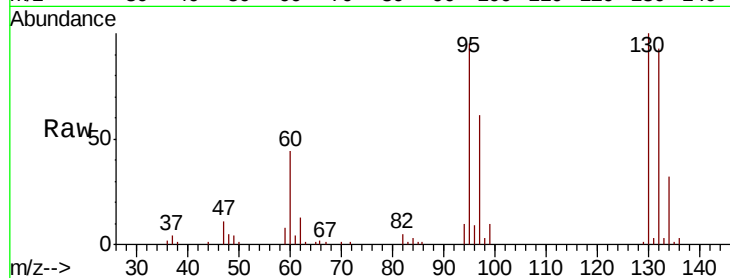
Ion Ratio Lower Upper

95 100

97 64.2 44.9 83.5

132 97.4 68.2 126.6

130 104.9 73.4 136.4

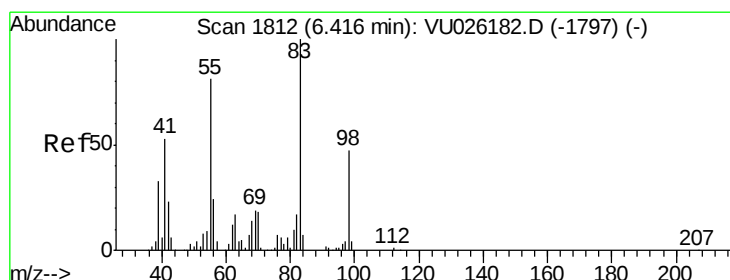
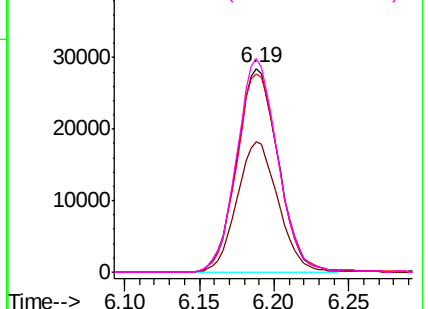


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.989 ug/L

RT: 6.42 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

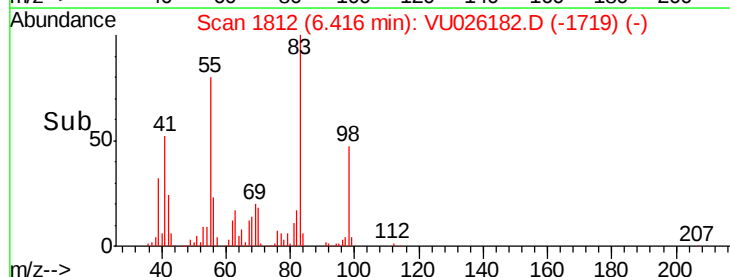
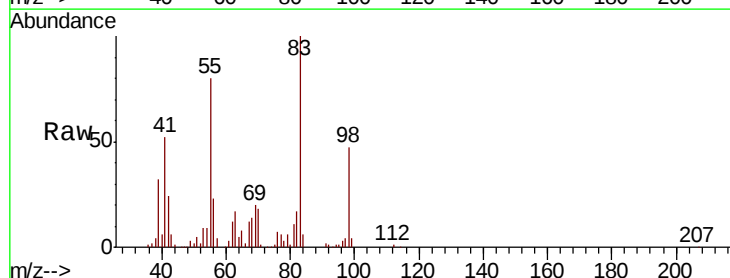
Tgt Ion: 83 Resp: 82162

Ion Ratio Lower Upper

83 100

55 81.2 65.0 97.4

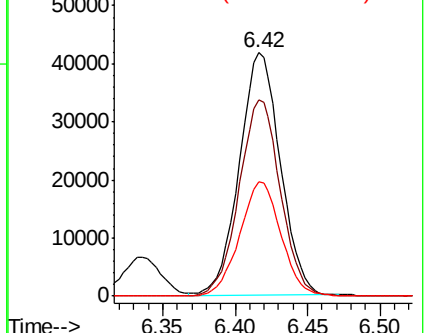
98 47.2 37.8 56.6

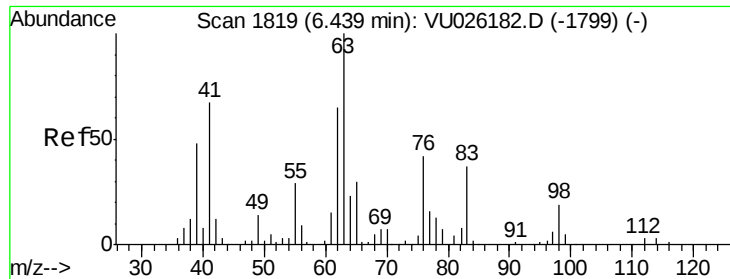


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

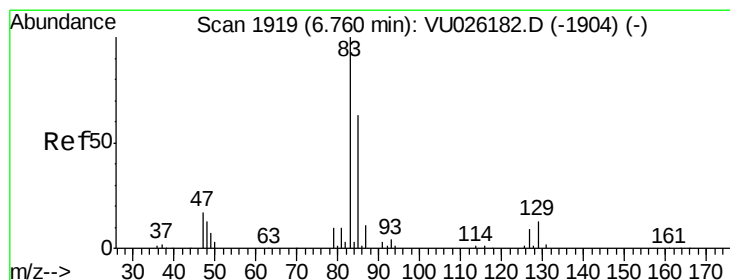
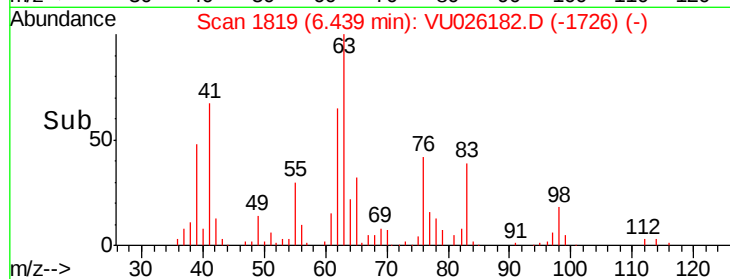
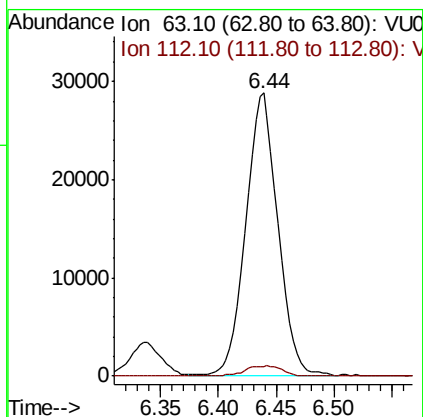
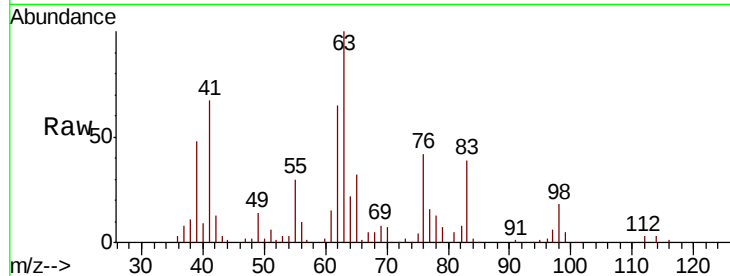




#37
 1,2-Dichloropropane
 Concen: 5.161 ug/L
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

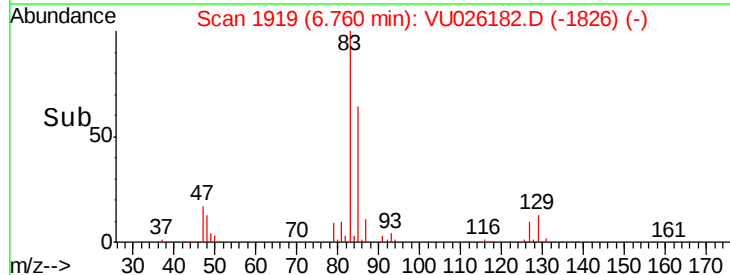
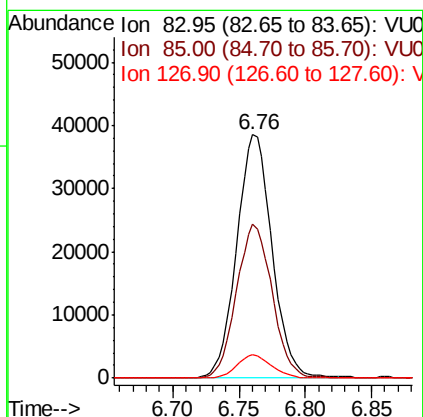
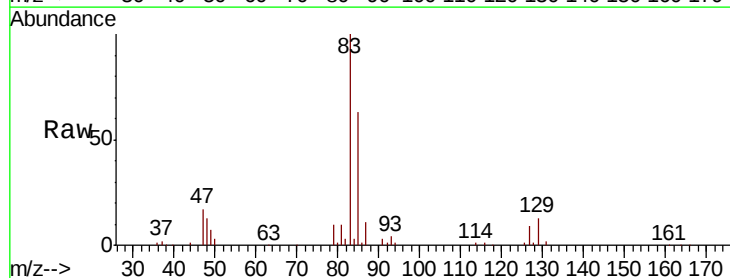
Instrument :
 MSVOA_U
 ClientSampleId :

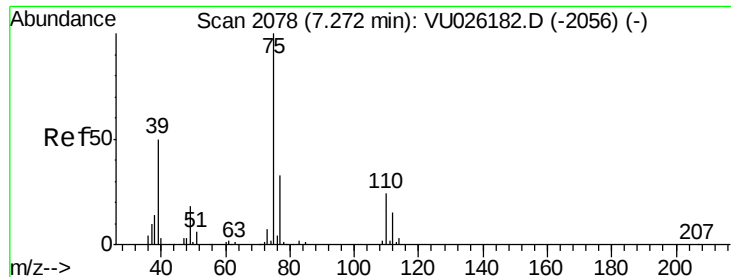
Tot Ion: 63 Resp: 55290
 Ion Ratio Lower Upper
 63 100
 112 1.8 1.4 2.2



#38
 Bromodichloromethane
 Concen: 5.722 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

Tgt Ion: 83 Resp: 71432
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.2 82.0
 127 9.5 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 5.359 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

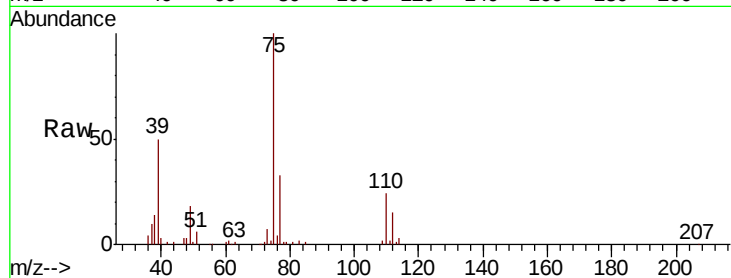
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 71516

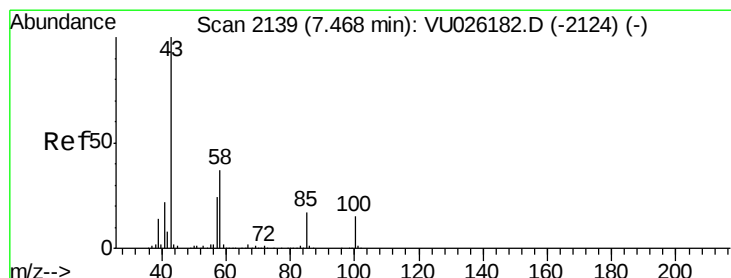
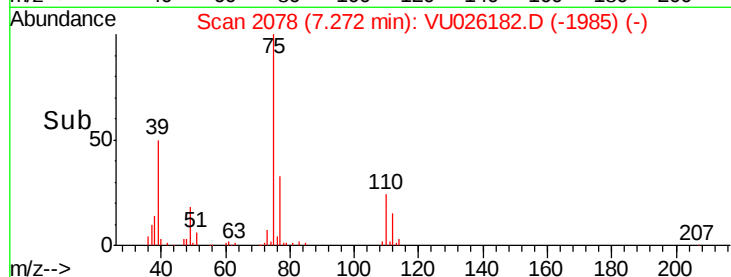
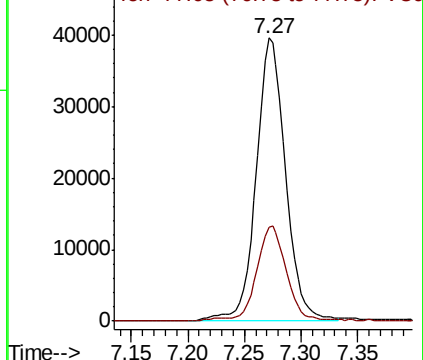
Ion Ratio Lower Upper

75 100

77 33.3 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: 52.559 ug/L

RT: 7.47 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

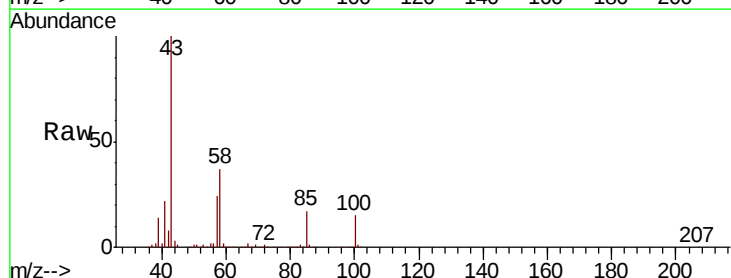
Tgt Ion: 43 Resp: 308296

Ion Ratio Lower Upper

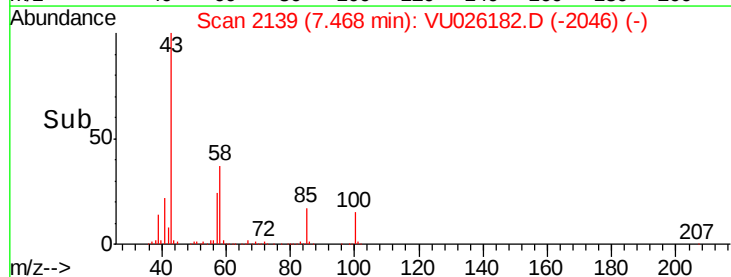
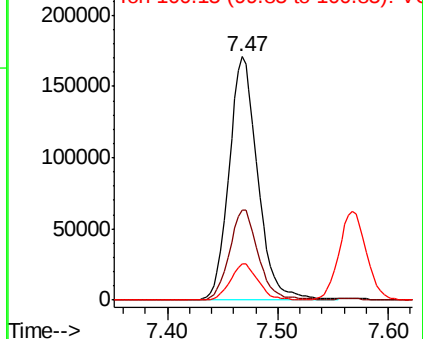
43 100

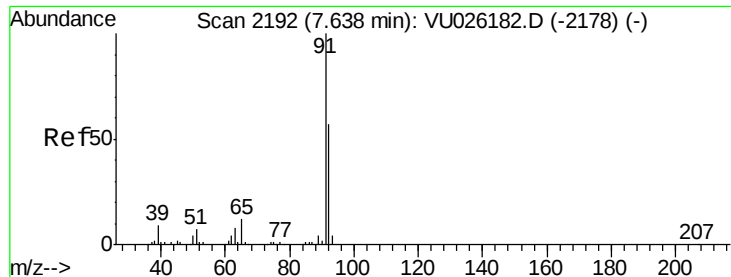
58 37.3 29.8 44.8

100 14.5 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: 5.353 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

Instrument :

MSVOA_U

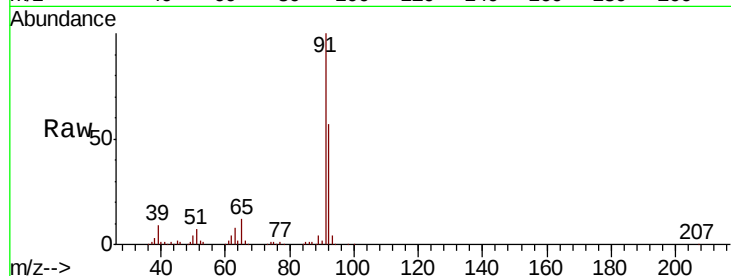
ClientSampled :

Tot Ion: 91 Resp: 224549

Ion Ratio Lower Upper

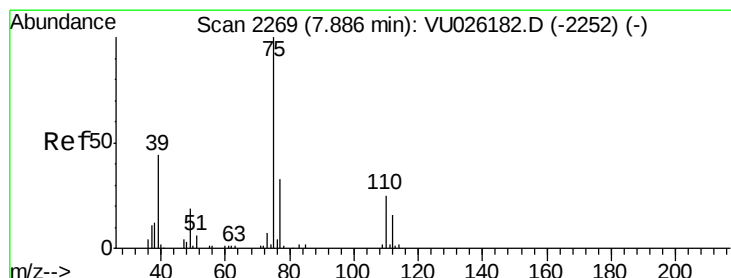
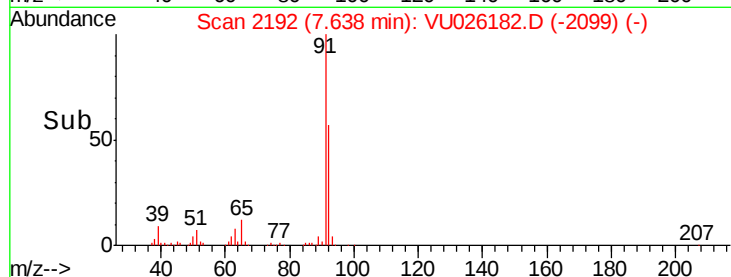
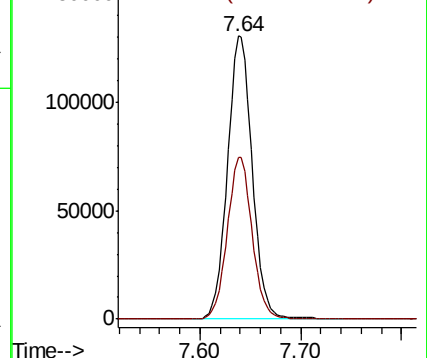
91 100

92 57.2 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.832 ug/L

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026182.D

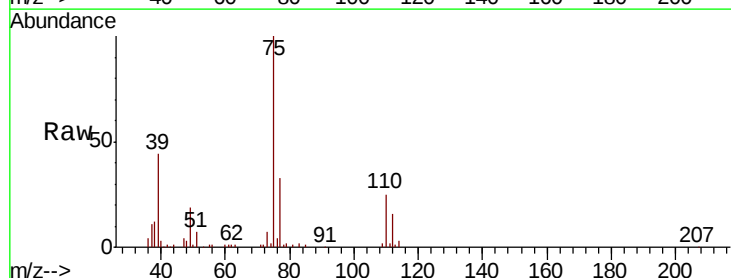
Acq: 17 Aug 2018 16:34

Tgt Ion: 75 Resp: 63140

Ion Ratio Lower Upper

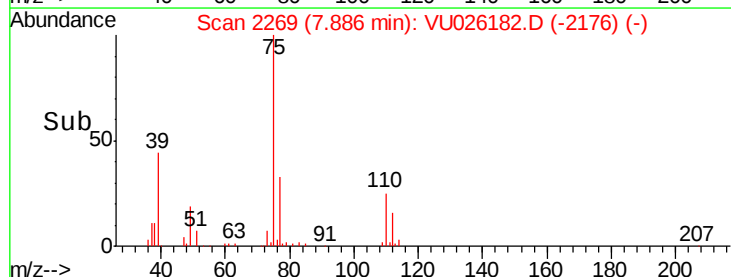
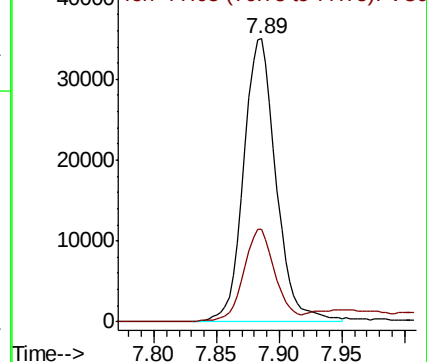
75 100

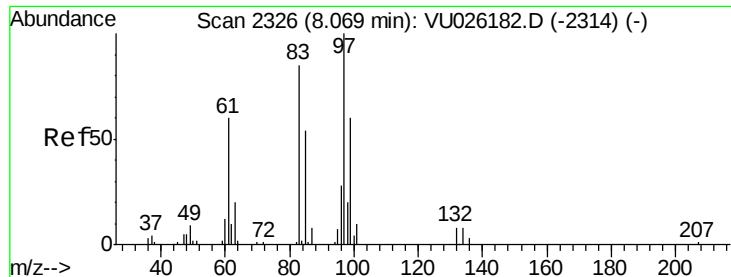
77 32.5 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

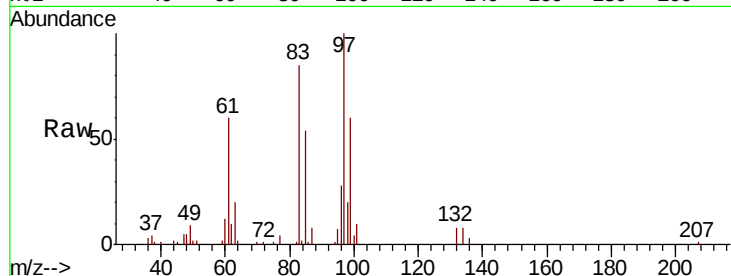




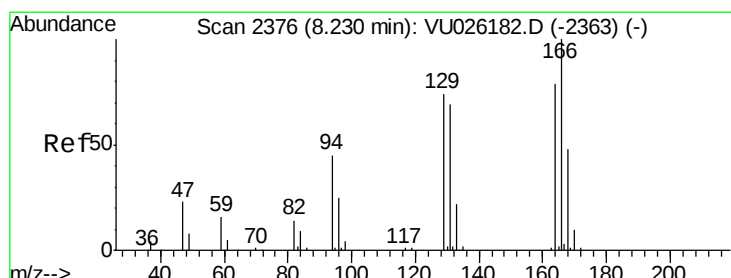
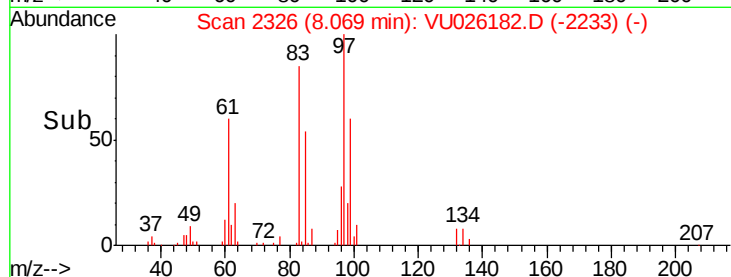
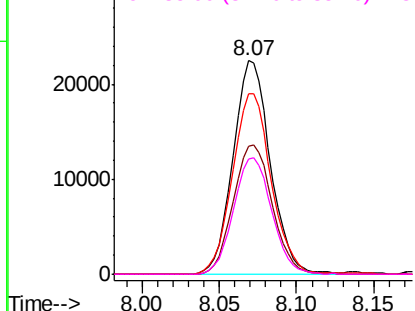
#45
1,1,2-Trichloroethane
Concen: 5.249 ug/L
RT: 8.07 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU026182.D
Acq: 17 Aug 2018 16:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	37647
Ion	Ratio	Lower	Upper
97	100		
99	60.2	42.1	78.3
83	84.6	59.2	110.0
85	54.1	37.9	70.3

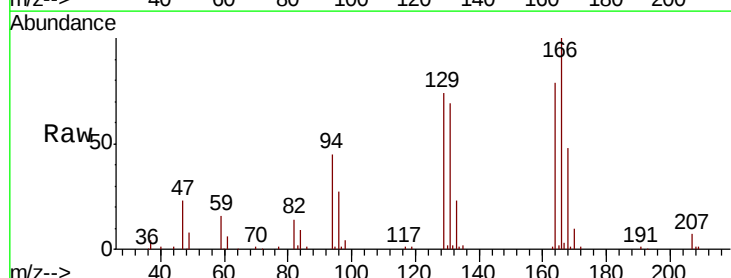


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

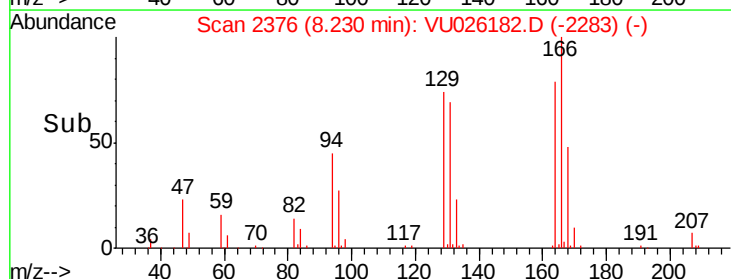
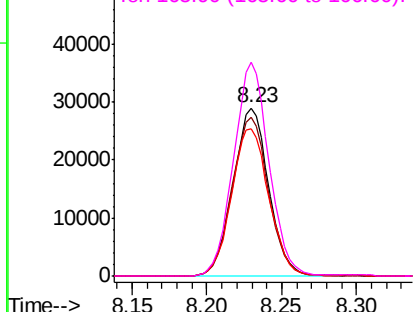


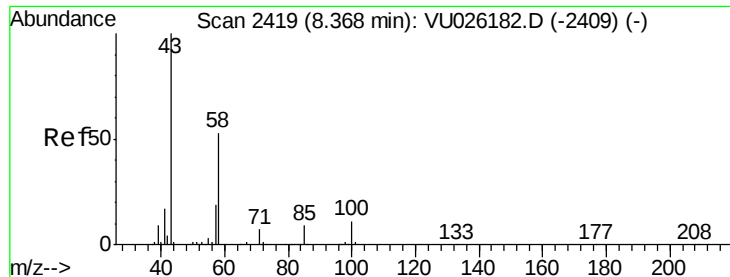
#47
Tetrachloroethene
Concen: 5.384 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU026182.D
Acq: 17 Aug 2018 16:34

Tgt Ion:	164	Resp:	47899
Ion	Ratio	Lower	Upper
164	100		
129	94.5	66.1	122.8
131	87.7	61.4	114.0
166	127.3	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

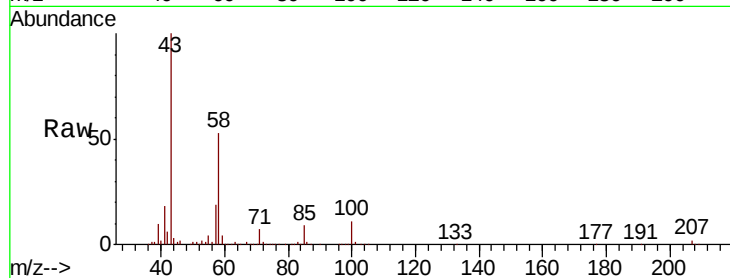




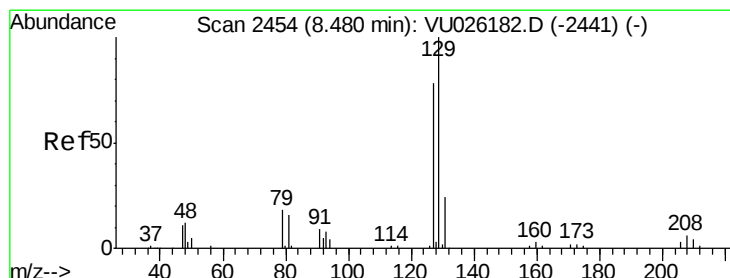
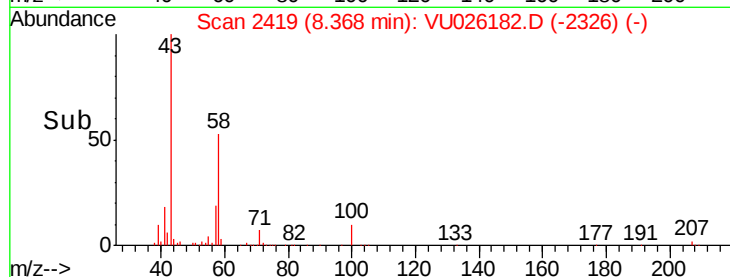
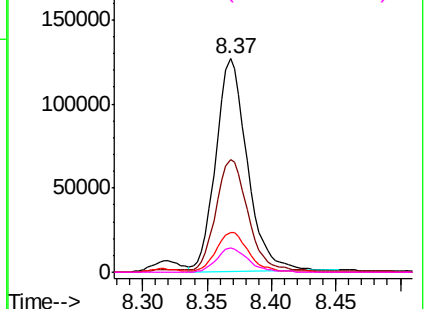
#48
2-Hexanone
Concen: 50.912 ug/L
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU026182.D
Acq: 17 Aug 2018 16:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 214760
Ion Ratio Lower Upper
43 100
58 53.9 43.1 64.7
57 19.2 15.4 23.0
100 11.7 9.4 14.0

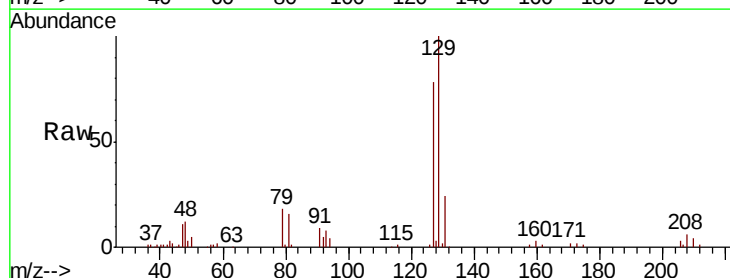


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

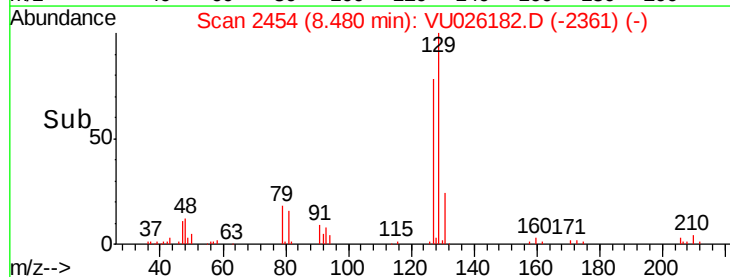
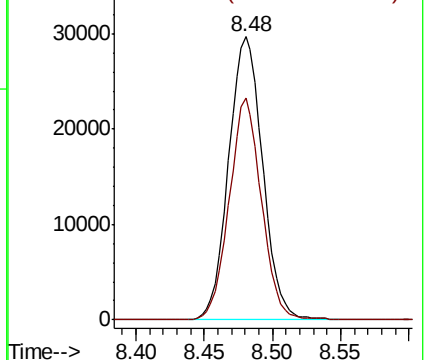


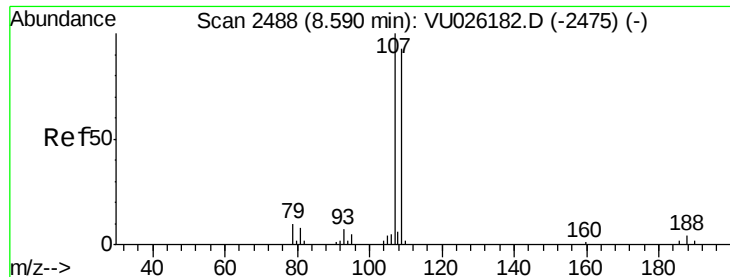
#49
Dibromochloromethane
Concen: 6.125 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU026182.D
Acq: 17 Aug 2018 16:34

Tgt Ion: 129 Resp: 51457
Ion Ratio Lower Upper
129 100
127 78.4 54.9 101.9



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

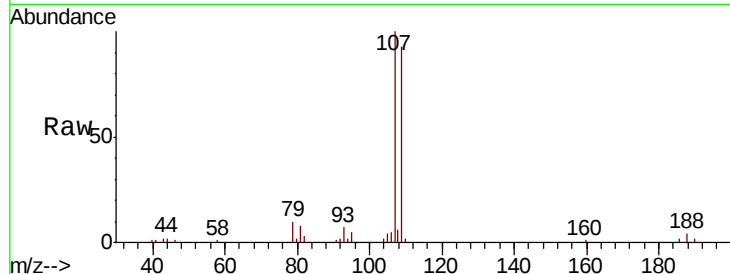




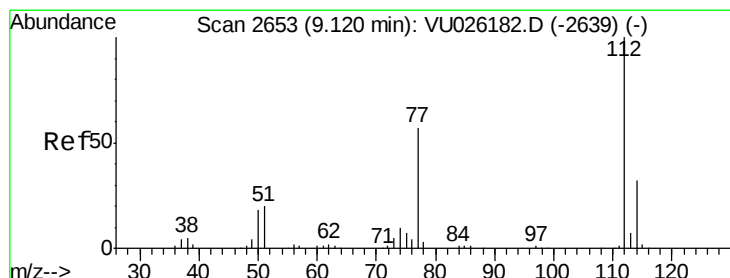
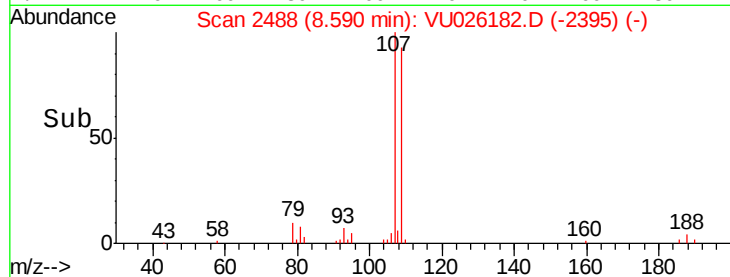
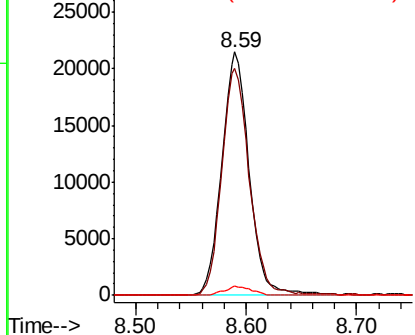
#50
 1,2-Dibromoethane
 Concen: 5.590 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:107 Resp: 37039
 Ion Ratio Lower Upper
 107 100
 109 93.3 65.3 121.3
 188 3.7 3.0 4.4

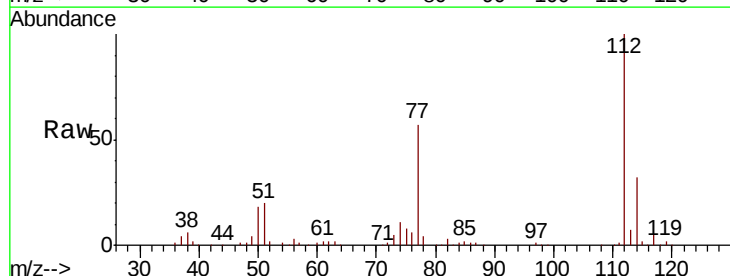


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

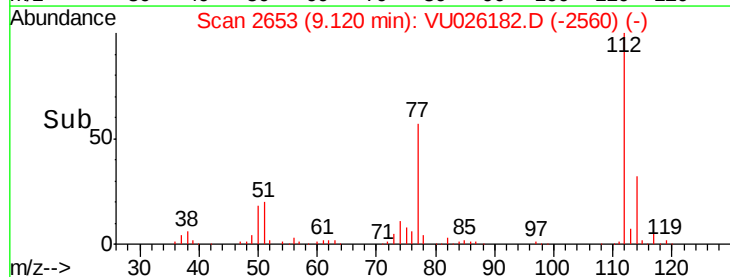
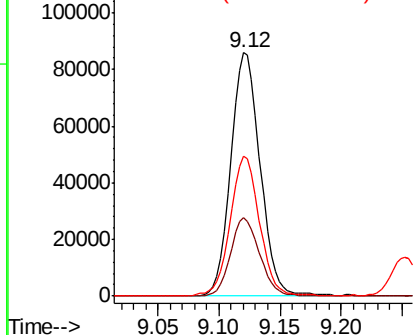


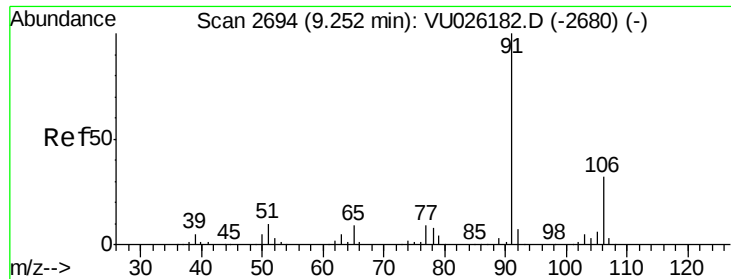
#51
 Chlorobenzene
 Concen: 5.238 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

Tgt Ion:112 Resp: 144657
 Ion Ratio Lower Upper
 112 100
 114 32.1 22.5 41.7
 77 57.2 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): V





#52

Ethylbenzene

Concen: 5.294 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

Instrument :

MSVOA_U

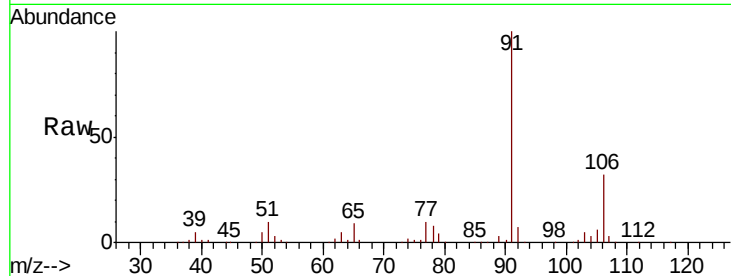
ClientSampleId :

Tot Ion: 91 Resp: 229940

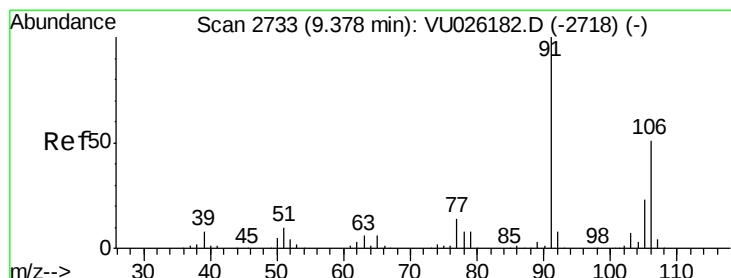
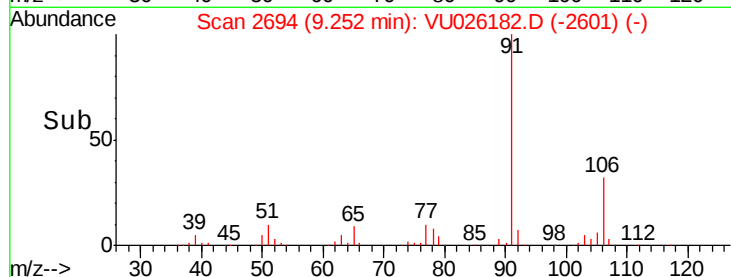
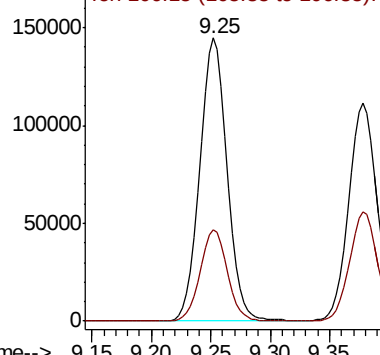
Ion Ratio Lower Upper

91 100

106 32.2 22.5 41.9



Abundance Ion 91.15 (90.85 to 91.85): VU026182.D (-2680) (-)



#53

m,p-xylene

Concen: 5.483 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026182.D

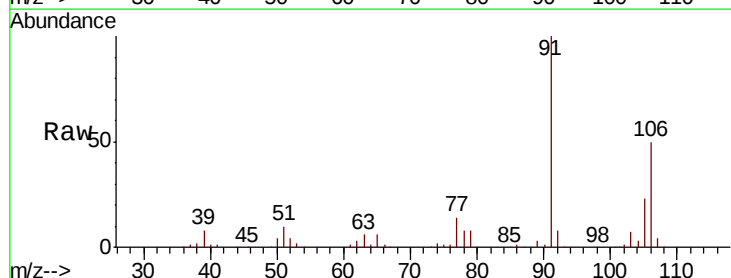
Acq: 17 Aug 2018 16:34

Tgt Ion: 106 Resp: 90694

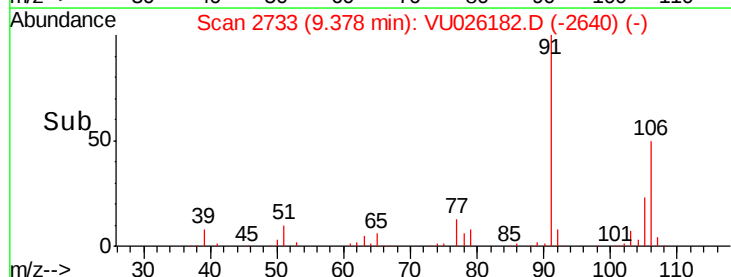
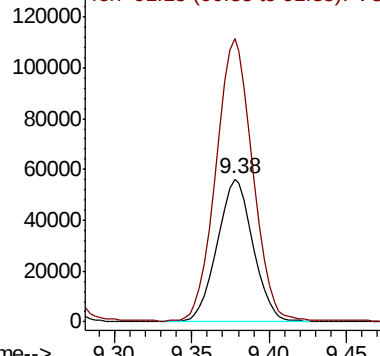
Ion Ratio Lower Upper

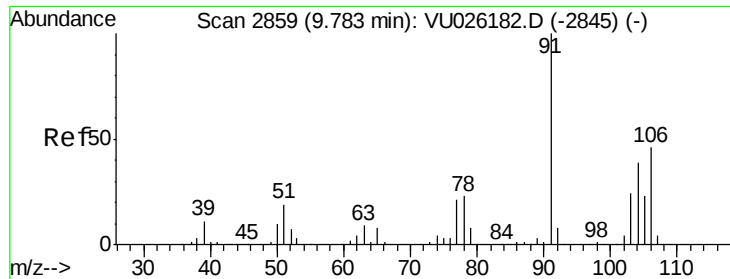
106 100

91 198.4 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU026182.D (-2718) (-)

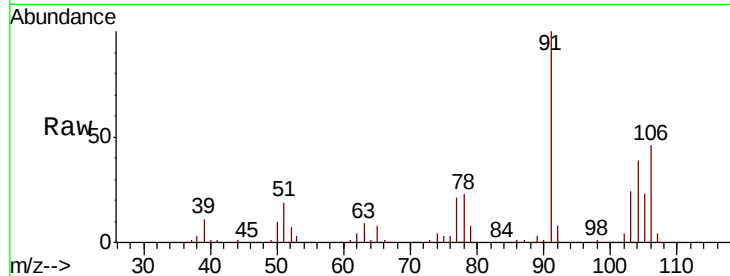




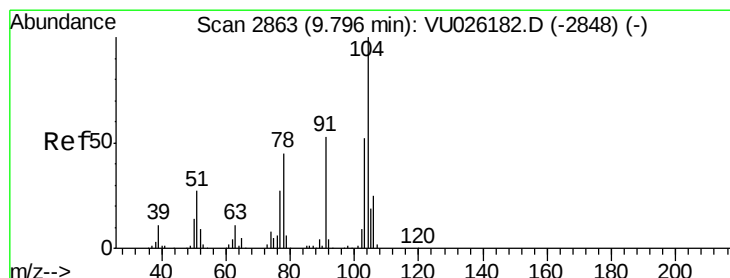
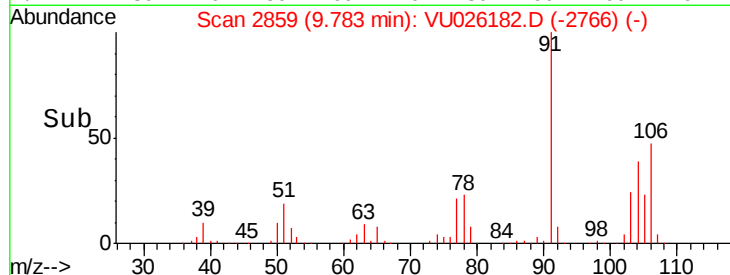
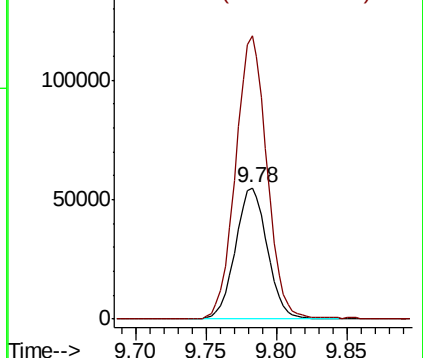
#54
o-xylene
Concen: 5.409 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026182.D
Acq: 17 Aug 2018 16:34

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 87380
Ion Ratio Lower Upper
106 100
91 215.3 150.7 279.9

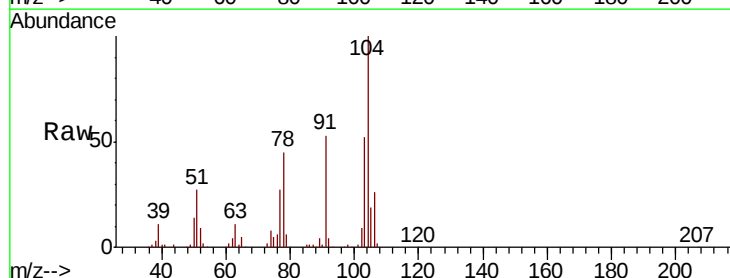


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

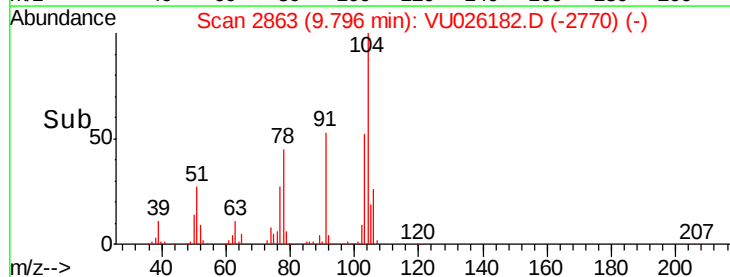
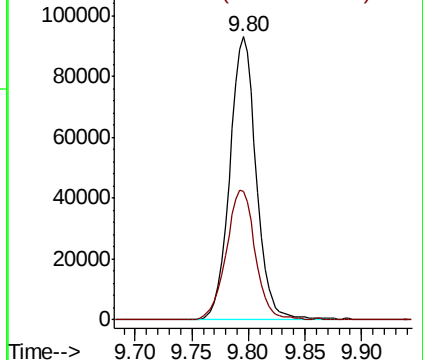


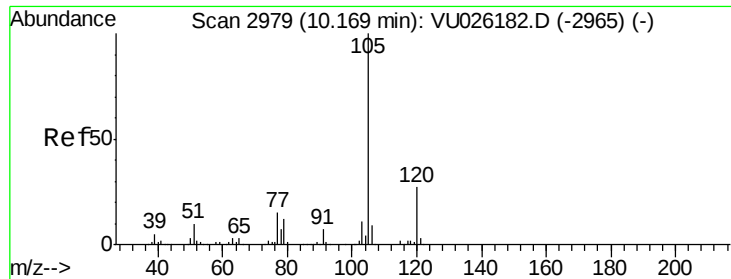
#55
Styrene
Concen: 5.669 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026182.D
Acq: 17 Aug 2018 16:34

Tgt Ion:104 Resp: 151697
Ion Ratio Lower Upper
104 100
78 45.4 31.8 59.0



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





#56

Isopropylbenzene

Concen: 5.565 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

Instrument :

MSVOA_U

ClientSampleId :

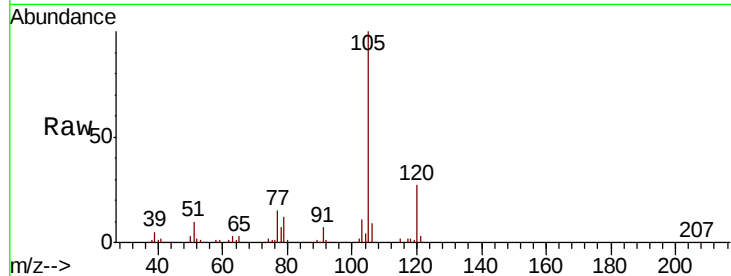
Tot Ion:105 Resp: 234643

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

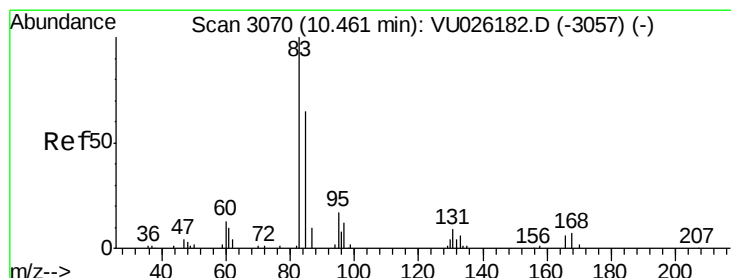
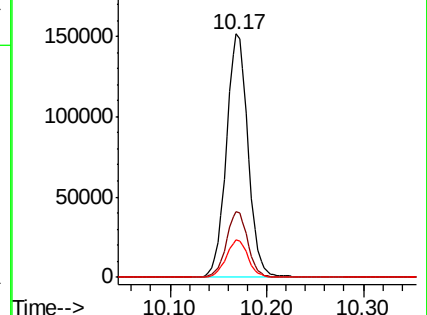
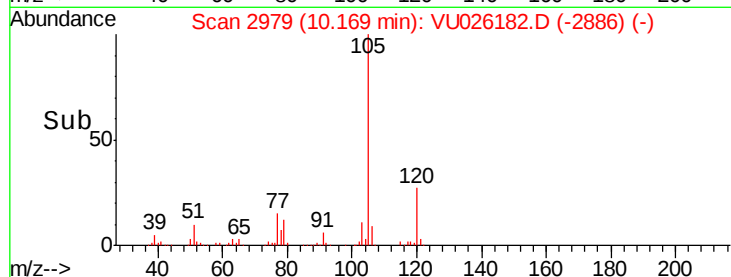
77 15.5 12.4 18.6



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: 5.242 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

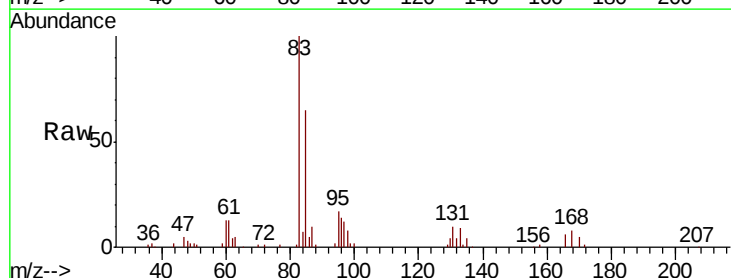
Tgt Ion: 83 Resp: 47347

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9

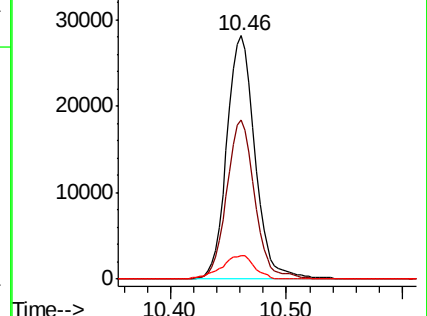
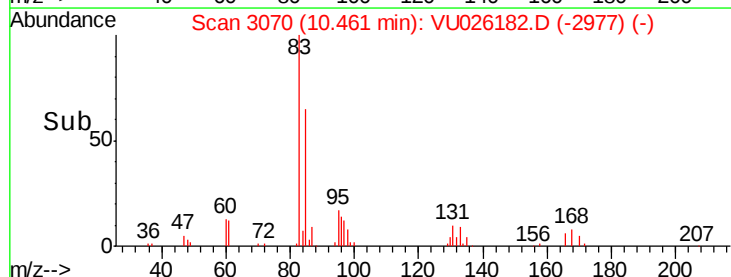
131 9.6 7.7 11.5

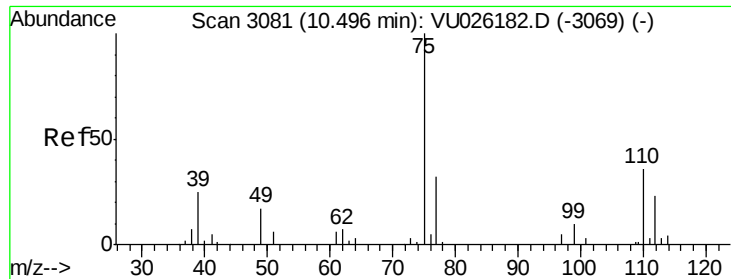


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

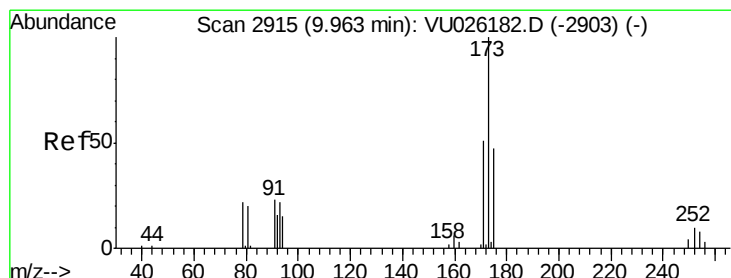
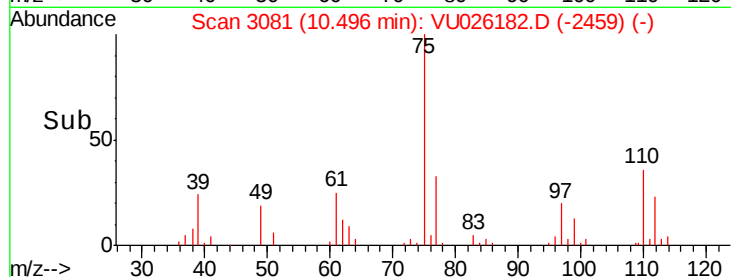
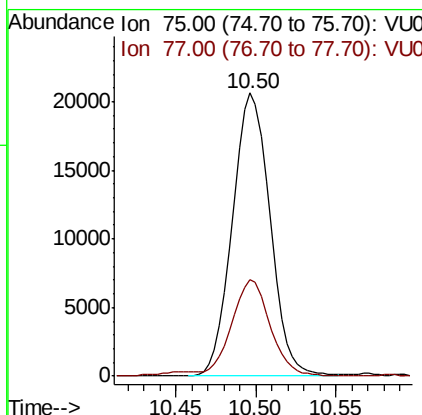
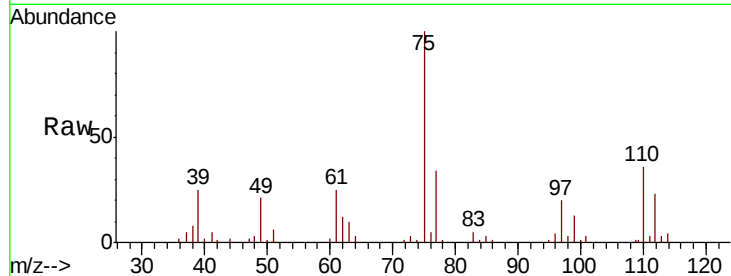




#59
 1,2,3-Trichloropropane
 Concen: 5.436 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

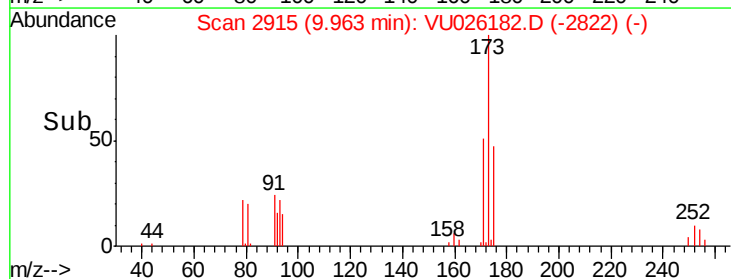
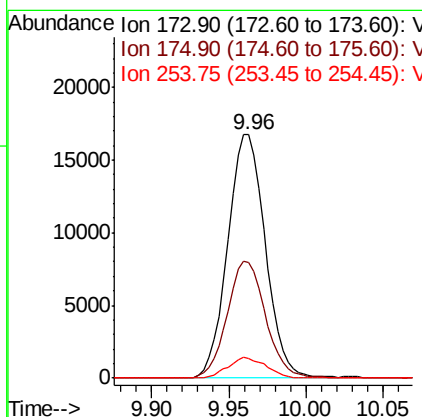
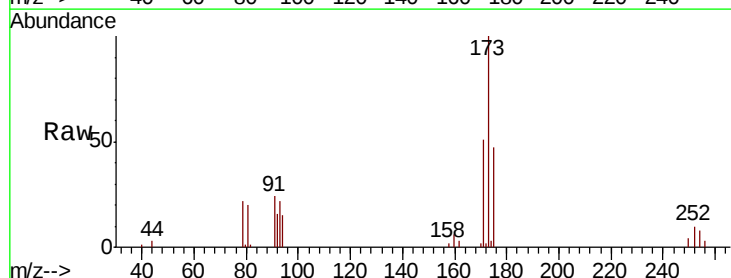
Instrument :
 MSVOA_U
 ClientSampleId :

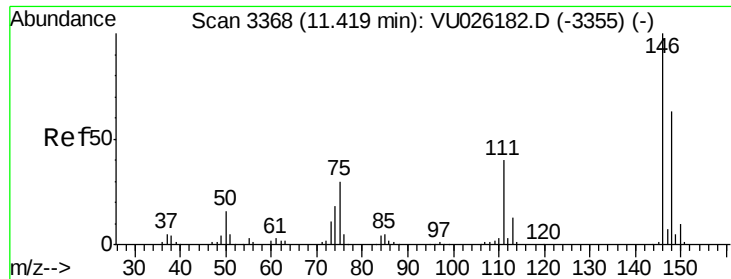
Tot Ion: 75 Resp: 33168
 Ion Ratio Lower Upper
 75 100
 77 36.2 29.0 43.4



#61
 Bromoform
 Concen: 5.452 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

Tgt Ion:173 Resp: 28242
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.6
 254 8.5 6.8 10.2

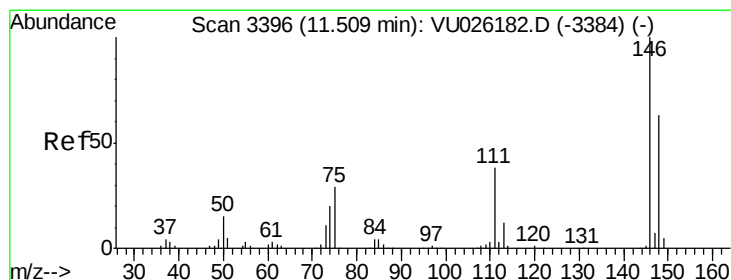
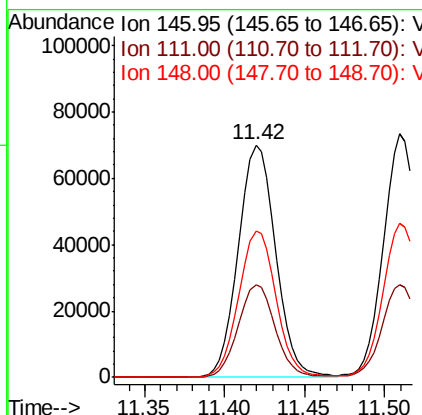
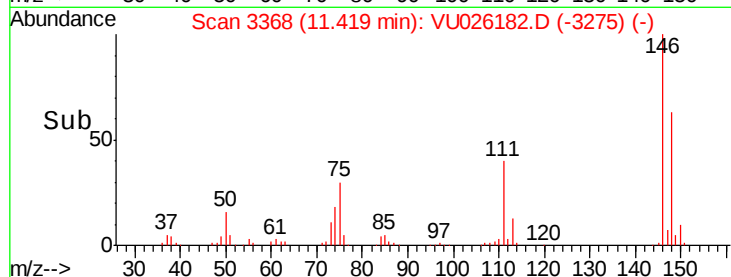
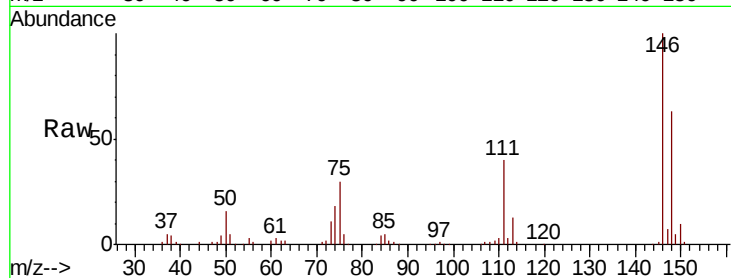




#62
 1,3-Dichlorobenzene
 Concen: 5.034 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

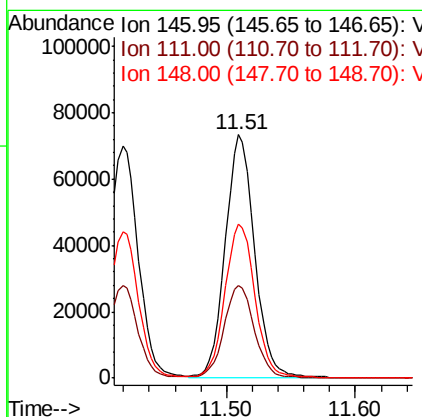
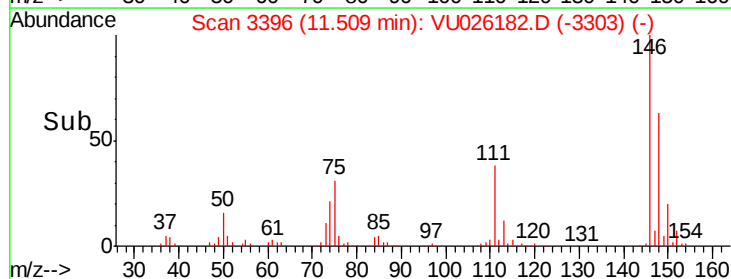
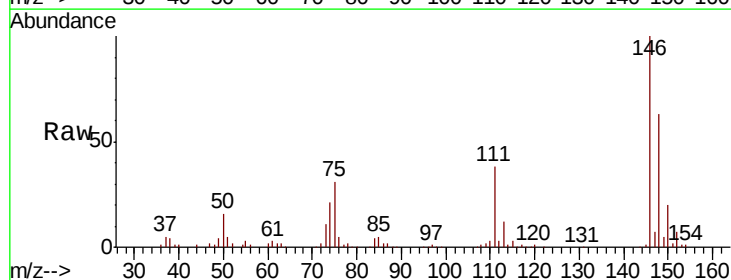
Instrument :
 MSVOA_U
 ClientSampleId :

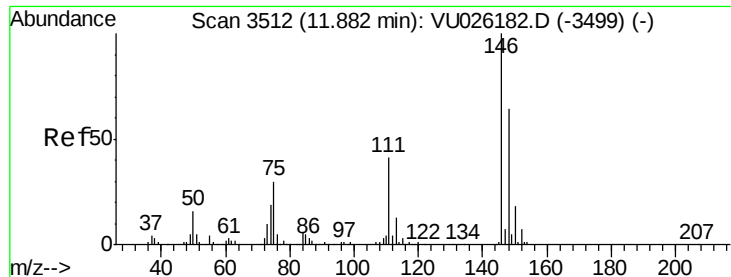
Tot Ion:146 Resp: 111829
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.9 51.7
 148 63.1 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.196 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

Tgt Ion:146 Resp: 116304
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.8 49.8
 148 63.1 44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 5.012 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

Instrument :

MSVOA_U

ClientSampleId :

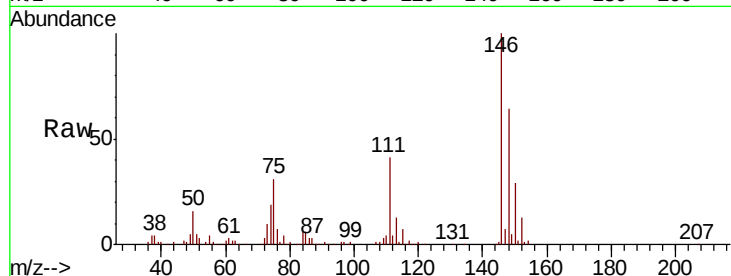
Tot Ion:146 Resp: 111600

Ion Ratio Lower Upper

146 100

111 41.2 33.0 49.4

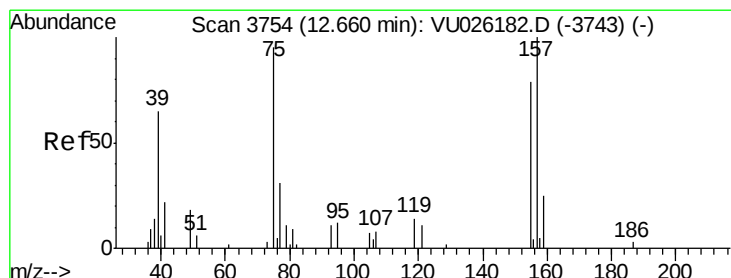
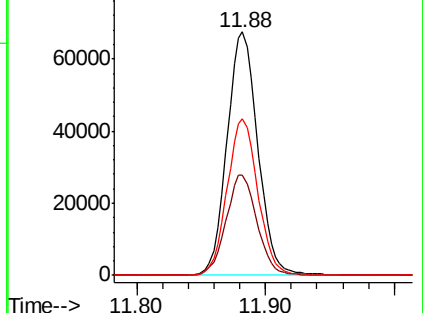
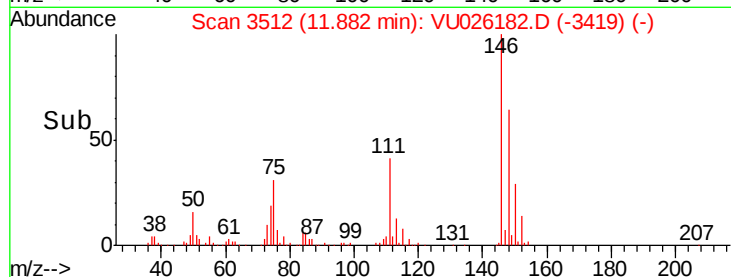
148 64.2 51.4 77.0



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: 5.467 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

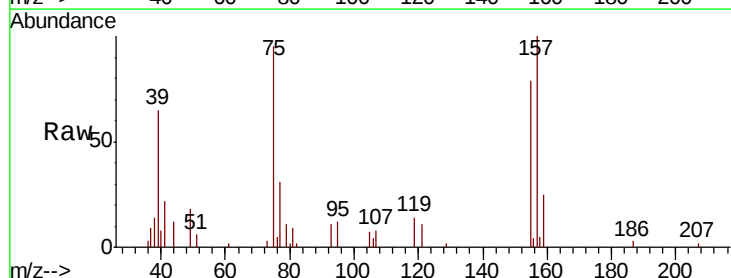
Tgt Ion: 75 Resp: 7604

Ion Ratio Lower Upper

75 100

155 82.8 66.2 99.4

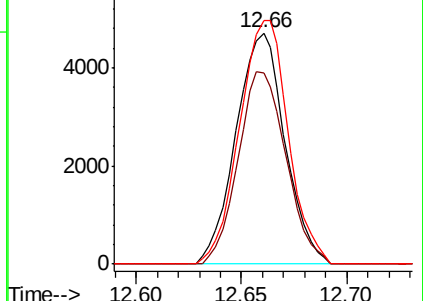
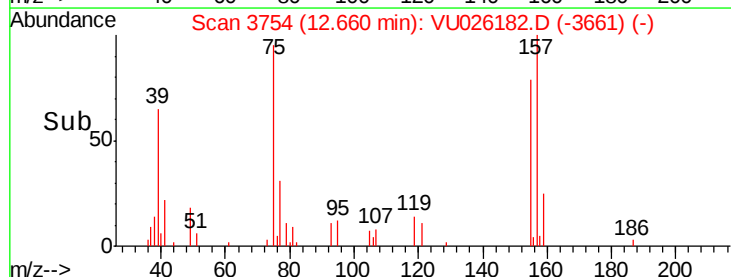
157 105.3 84.2 126.4

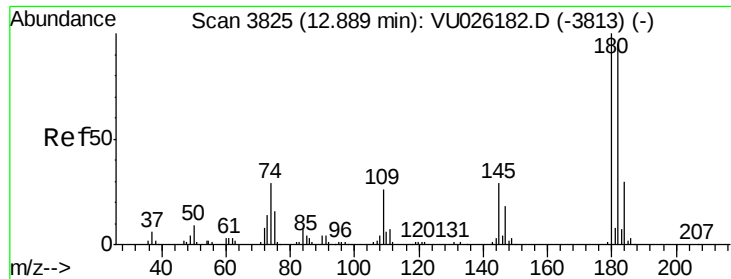


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

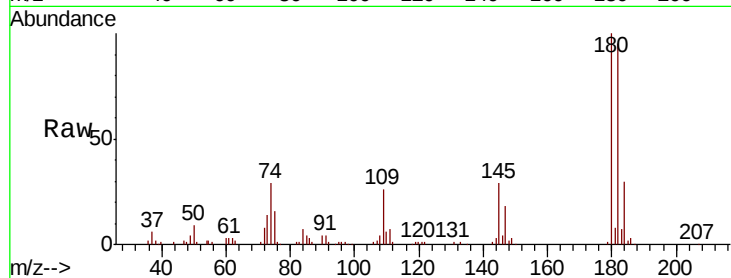




#67
 1,3,5-Trichlorobenzene
 Concen: 5.181 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.8
184	30.2	24.2	36.2
145	29.6	23.7	35.5



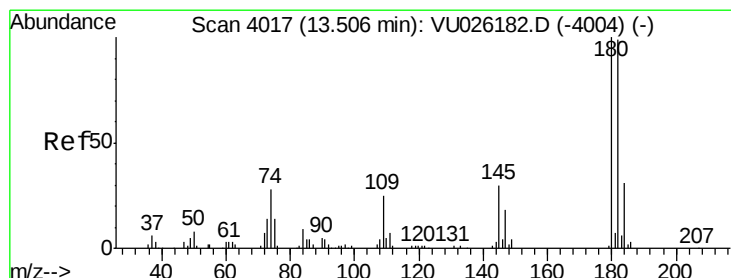
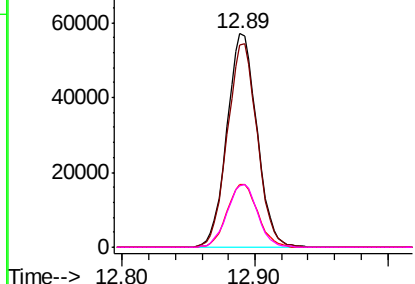
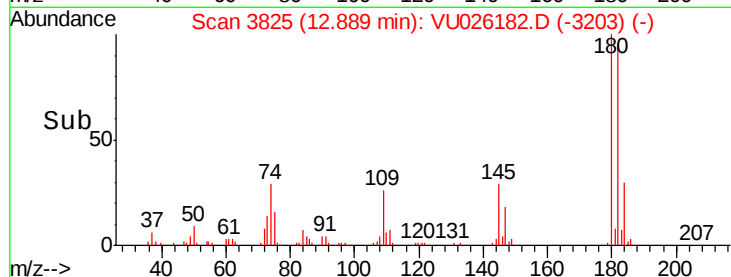
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

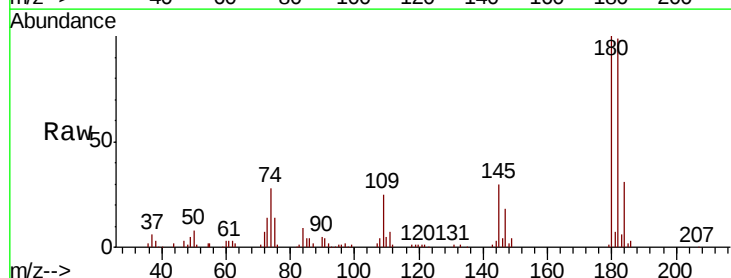
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.583 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026182.D
 Acq: 17 Aug 2018 16:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.9	116.9
145	30.2	24.2	36.2

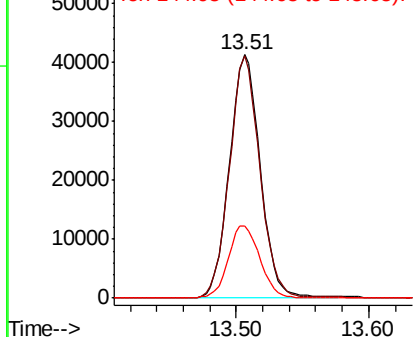
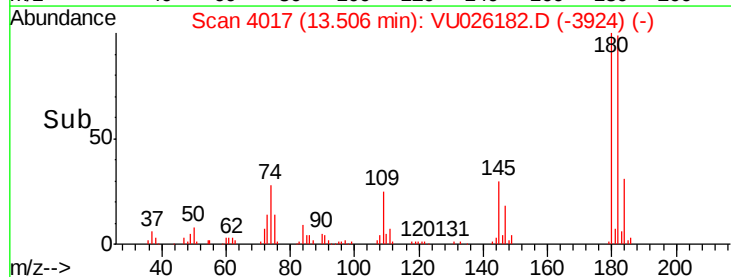


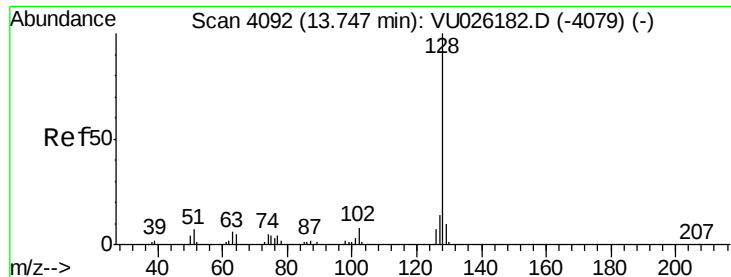
Abundance

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: 5.380 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

Instrument :

MSVOA_U

ClientSampleId :

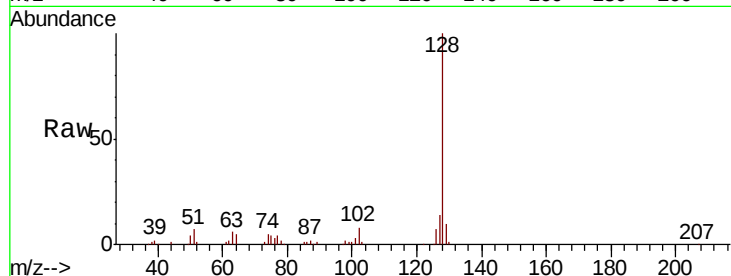
Tot Ion:128 Resp: 96880

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

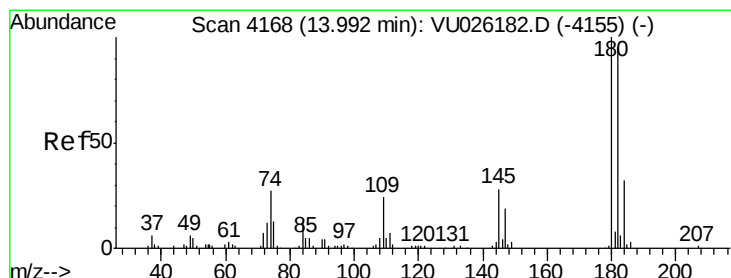
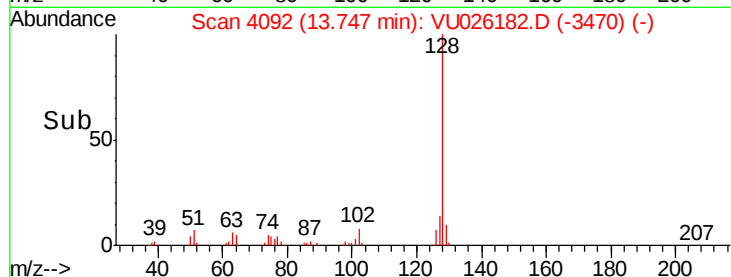
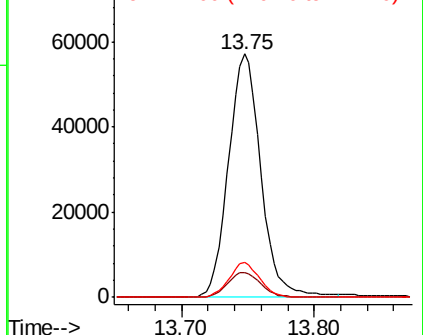
127 13.4 10.7 16.1



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: 5.487 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU026182.D

Acq: 17 Aug 2018 16:34

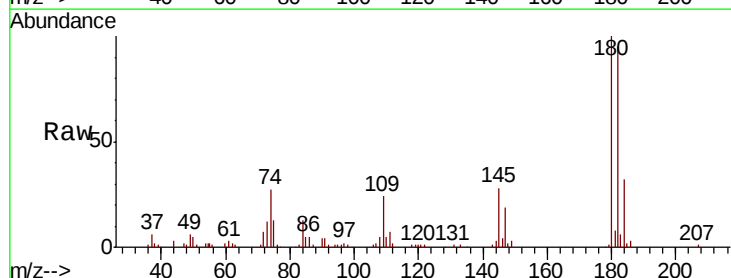
Tgt Ion:180 Resp: 64268

Ion Ratio Lower Upper

180 100

182 97.2 77.8 116.6

145 31.1 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

