

Data File : VU026938.D
Acq On : 20 Sep 2018 15:02
Operator : MD/SY
Sample : J4893-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08L1

Quant Time: Sep 21 04:26:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	285597	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	284789	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	173590	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76104	36.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.04%
7) Chloroethane-d5	1.68	69	64756	35.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.62%
11) 1,1-Dichloroethene-d2	2.27	63	107240	26.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.66%#
21) 2-Butanone-d5	4.18	46	103830	74.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.06%
24) Chloroform-d	4.65	84	129075	32.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	65.88%#
26) 1,2-Dichloroethane-d4	5.31	65	83550	33.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.72%#
32) Benzene-d6	5.34	84	270282	33.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.74%#
36) 1,2-Dichloropropane-d6	6.33	67	85676	33.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	66.64%#
41) Toluene-d8	7.57	98	243279	33.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.48%#
43) trans-1,3-Dichloropropene-	7.85	79	38809	33.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.60%
47) 2-Hexanone-d5	8.31	63	74126	73.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	116511	32.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	64.98%#
64) 1,2-Dichlorobenzene-d4	11.88	152	128463	35.57	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.14%#

Target Compounds

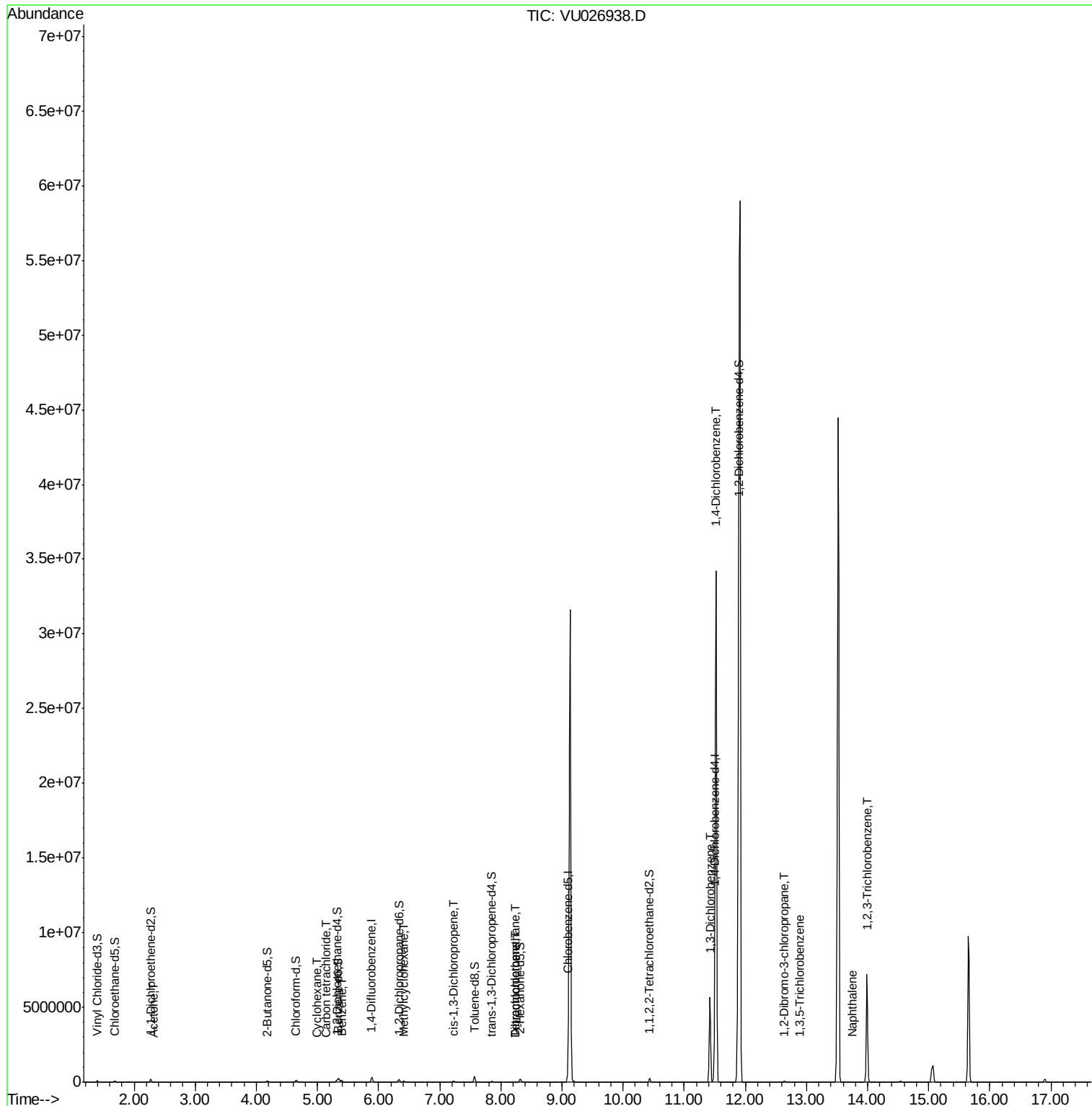
					Qvalue
13) Acetone	2.32	43	3959	2.873 ug/L	90
29) Cyclohexane	5.00	56	5210	1.576 ug/L	98
31) Carbon tetrachloride	5.13	117	3998	1.317 ug/L	94
33) Benzene	5.39	78	128235	14.523 ug/L	100
35) Methylcyclohexane	6.42	83	18807	5.445 ug/L #	78
39) cis-1,3-Dichloropropene	7.23	75	2068	0.604 ug/L #	74
46) Tetrachloroethene	8.23	164	1952	1.039 ug/L	88
49) Dibromochloromethane	8.23	129	1540	0.615 ug/L #	10
62) 1,3-Dichlorobenzene	11.42	146	2452161	463.387 ug/L	99
63) 1,4-Dichlorobenzene	11.52	146	14927476	2561.775 ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.64	75	9588	10.786 ug/L #	3
67) 1,3,5-Trichlorobenzene	12.89	180	10525	2.570 ug/L	99
69) Naphthalene	13.75	128	22735	2.187 ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	2353011	605.509 ug/L	99

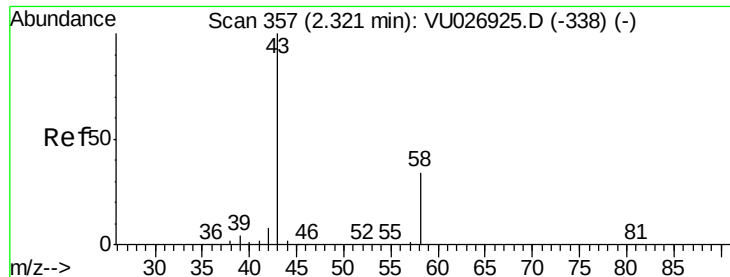
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.873 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026938.D

Acq: 20 Sep 2018 15:02

Instrument :

MSVOA_U

ClientSampled :

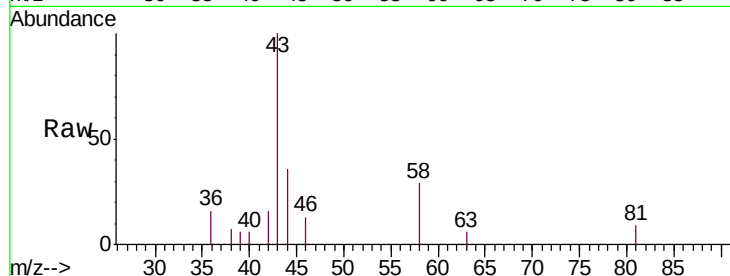
C08L1

Tgt Ion: 43 Resp: 3959

Ion Ratio Lower Upper

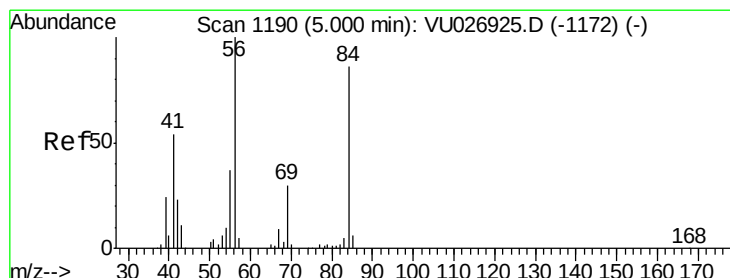
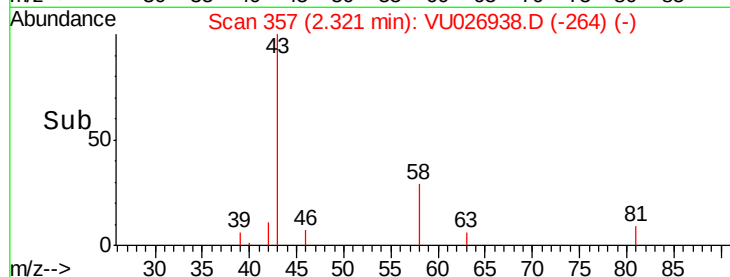
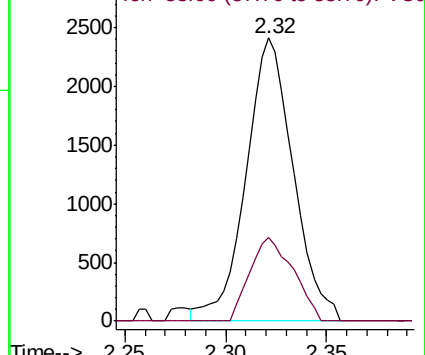
43 100

58 26.9 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#29

Cyclohexane

Concen: 1.576 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VU026938.D

Acq: 20 Sep 2018 15:02

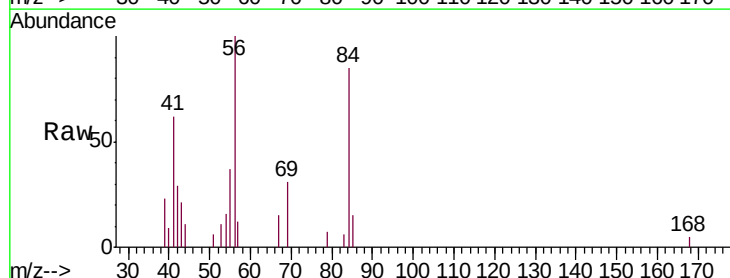
Tgt Ion: 56 Resp: 5210

Ion Ratio Lower Upper

56 100

69 30.2 23.7 35.5

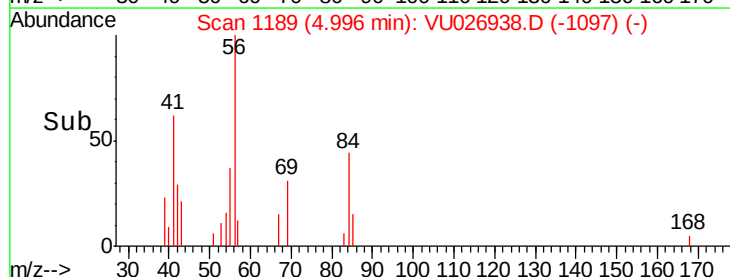
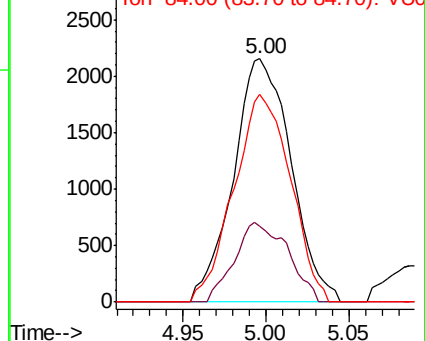
84 83.6 69.0 103.4

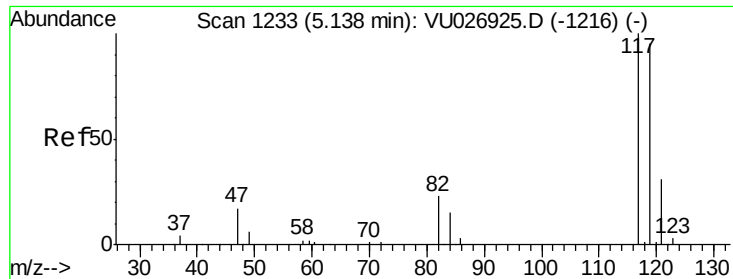


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#31

Carbon tetrachloride

Concen: 1.317 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026938.D

Acq: 20 Sep 2018 15:02

Instrument :

MSVOA_U

ClientSampleId :

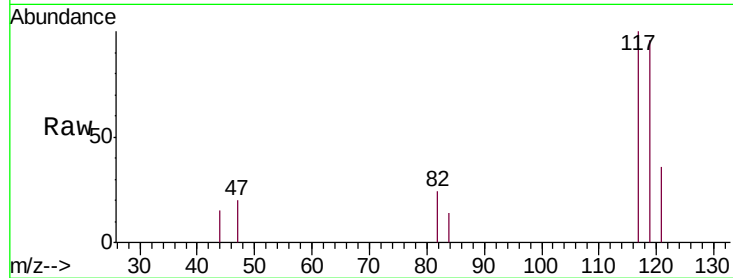
C08L1

Tgt Ion:117 Resp: 3998

Ion Ratio Lower Upper

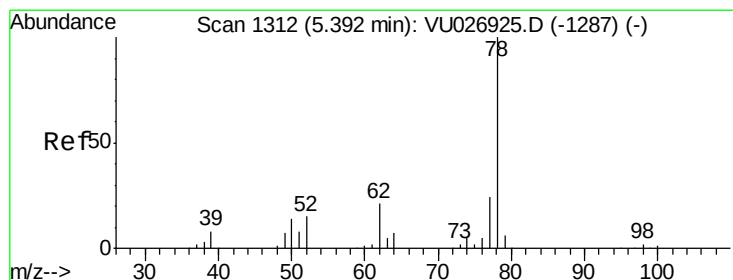
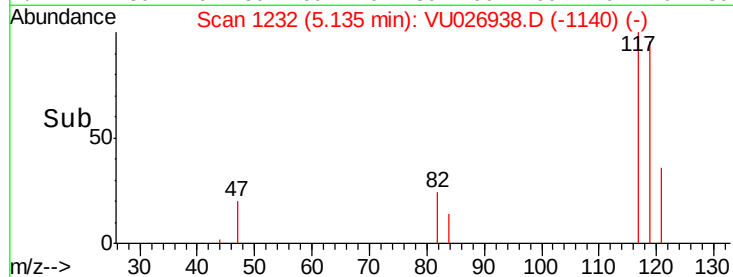
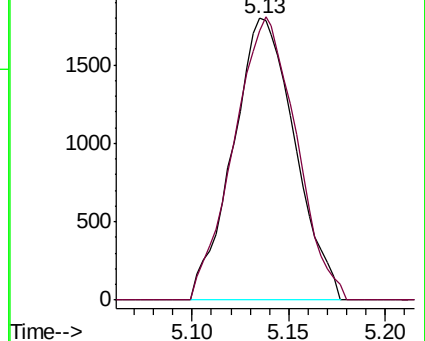
117 100

119 101.2 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 14.523 ug/L

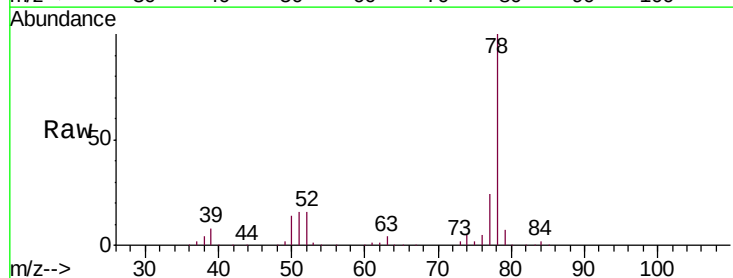
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

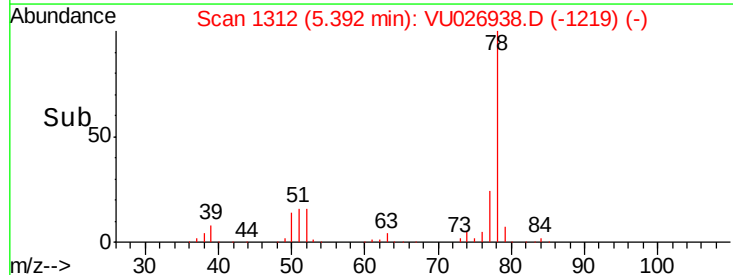
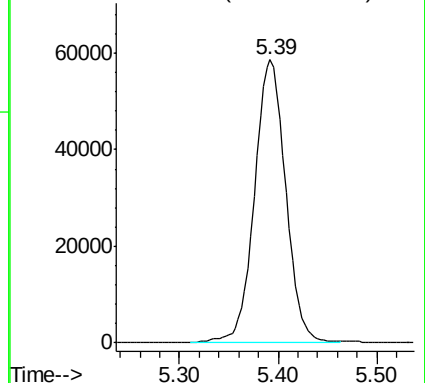
Lab File: VU026938.D

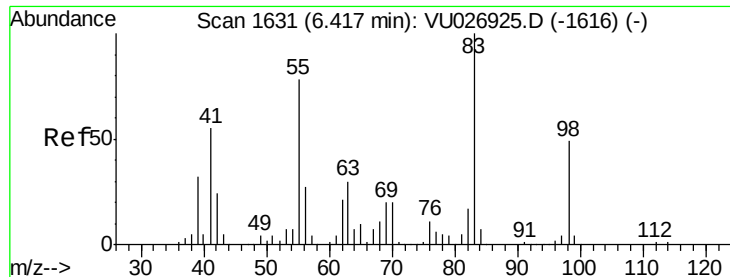
Acq: 20 Sep 2018 15:02

Tgt Ion: 78 Resp: 128235



Abundance Ion 78.00 (77.70 to 78.70): VU0

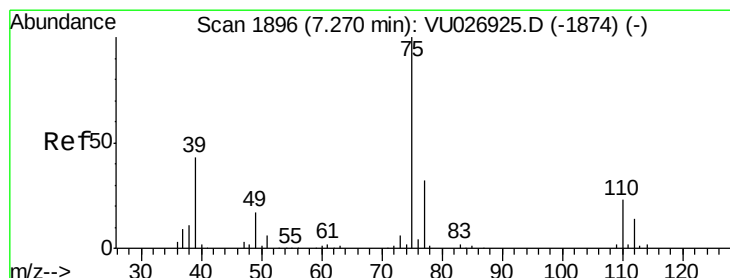
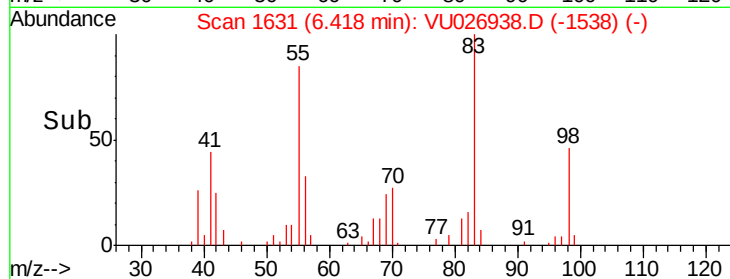
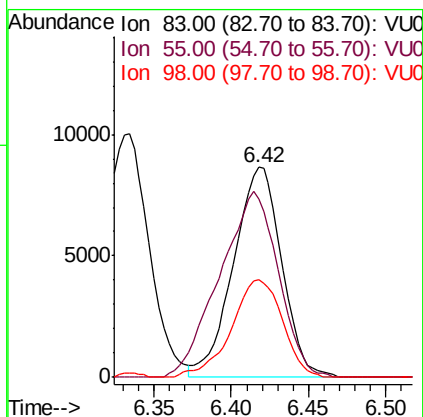
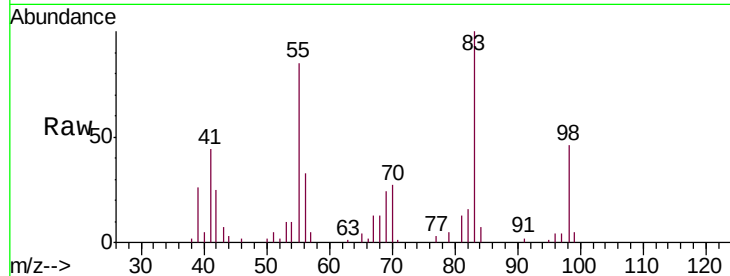




#35
Methylcyclohexane
Concen: 5.445 ug/L
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026938.D
Acq: 20 Sep 2018 15:02

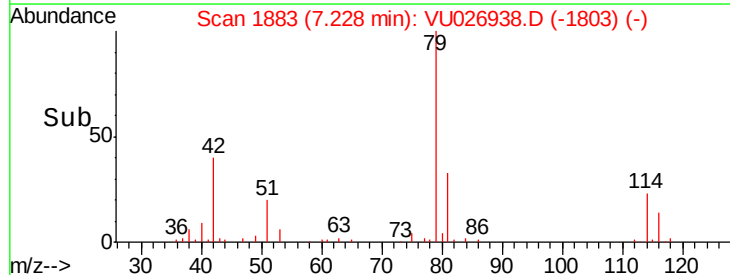
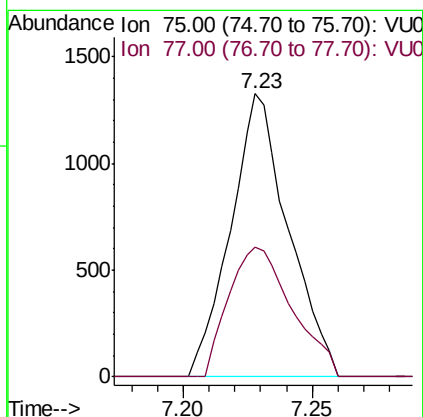
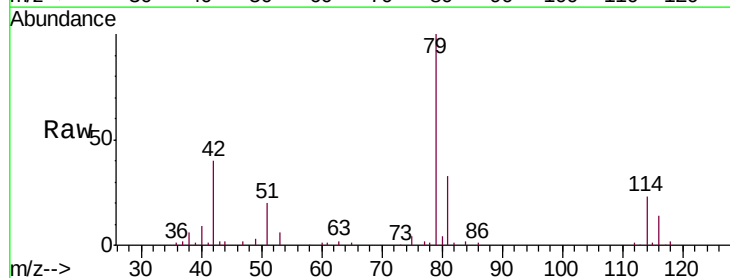
Instrument :
MSVOA_U
ClientSampled :
C08L1

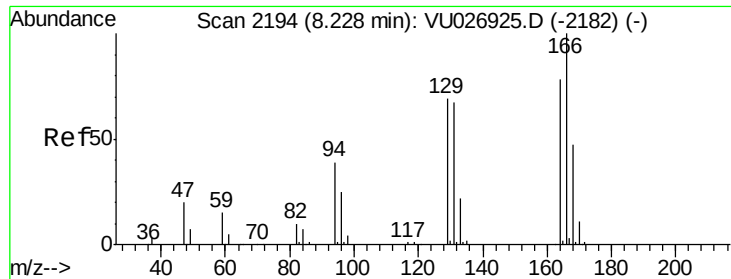
Tgt Ion: 83 Resp: 18807
Ion Ratio Lower Upper
83 100
55 107.1 61.7 92.5#
98 48.9 38.3 57.5



#39
cis-1,3-Dichloropropene
Concen: 0.604 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU026938.D
Acq: 20 Sep 2018 15:02

Tgt Ion: 75 Resp: 2068
Ion Ratio Lower Upper
75 100
77 45.8 22.1 41.1#

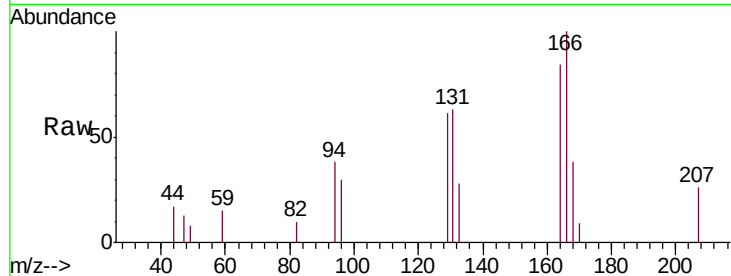




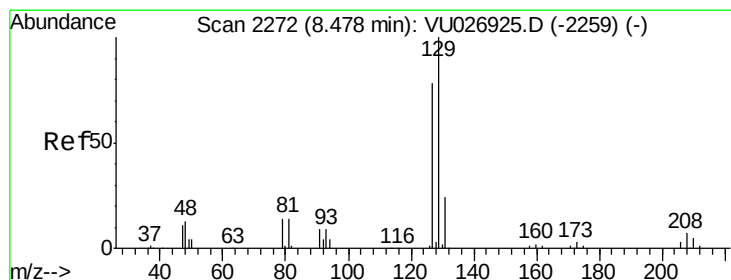
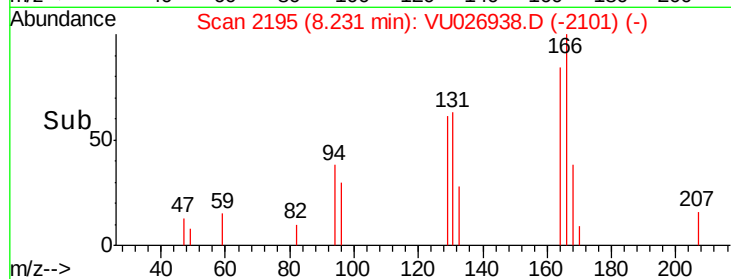
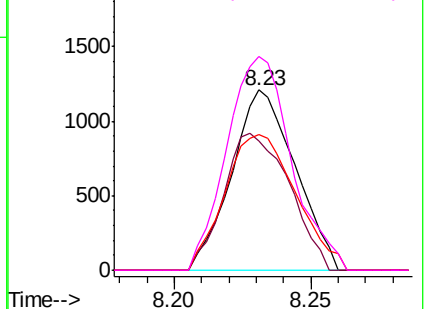
#46
Tetrachloroethene
Concen: 1.039 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU026938.D
Acq: 20 Sep 2018 15:02

Instrument :
MSVOA_U
ClientSampleId :
C08L1

Tgt Ion:164 Resp: 1952
Ion Ratio Lower Upper
164 100
129 72.2 62.2 115.4
131 75.3 60.5 112.5
166 118.7 89.0 165.2

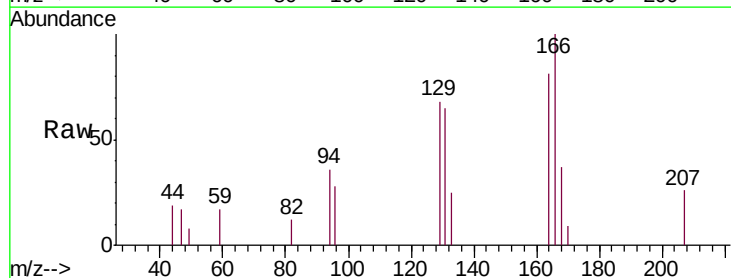


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

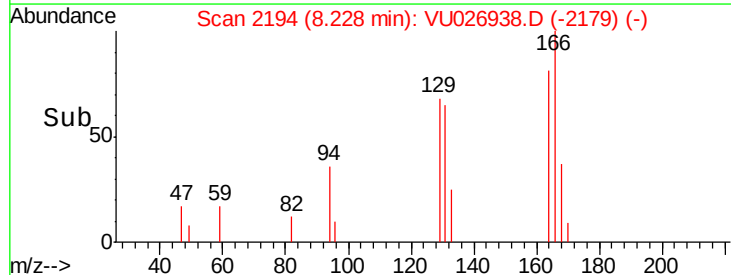
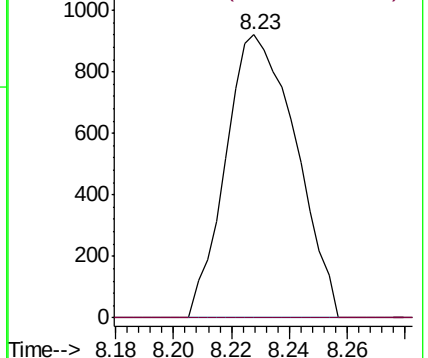


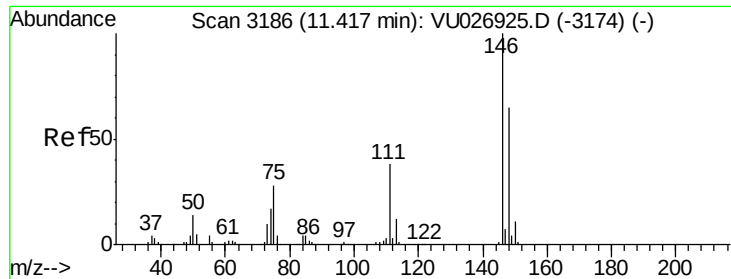
#49
Dibromochloromethane
Concen: 0.615 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU026938.D
Acq: 20 Sep 2018 15:02

Tgt Ion:129 Resp: 1540
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.4#



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

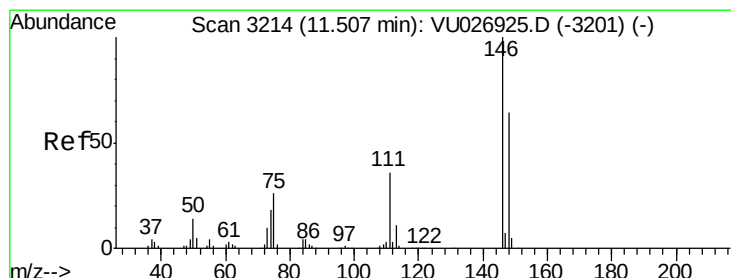
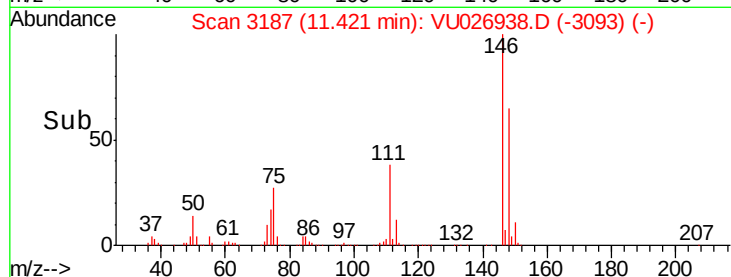
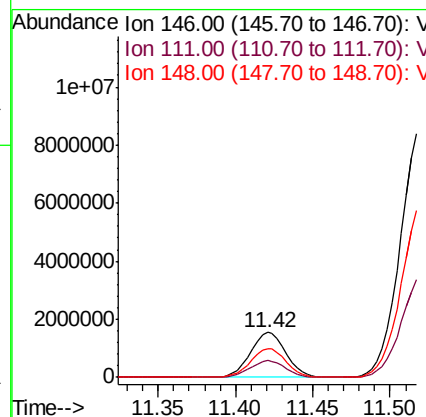
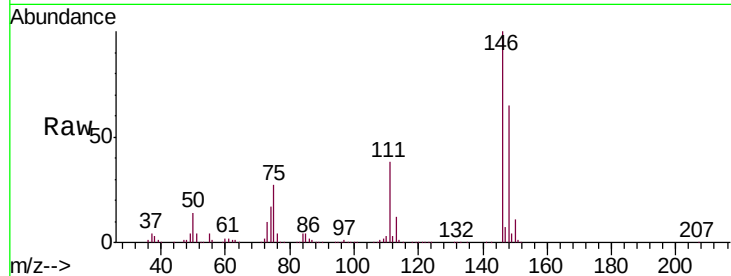




#62
 1,3-Dichlorobenzene
 Concen: 463.387 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026938.D
 Acq: 20 Sep 2018 15:02

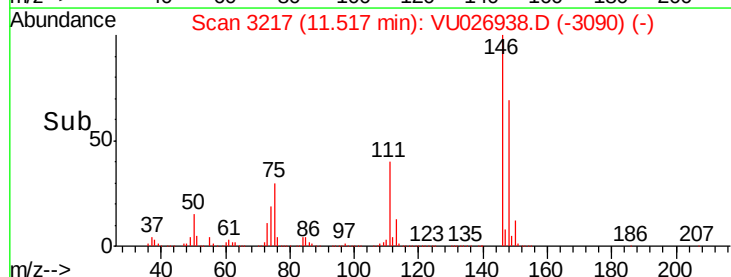
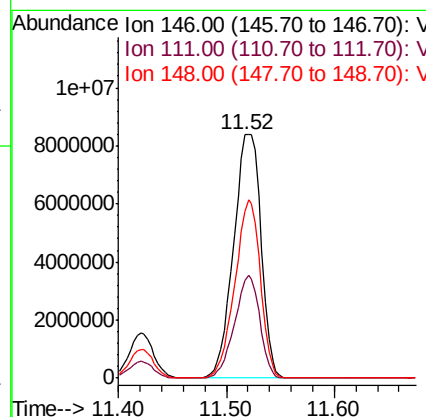
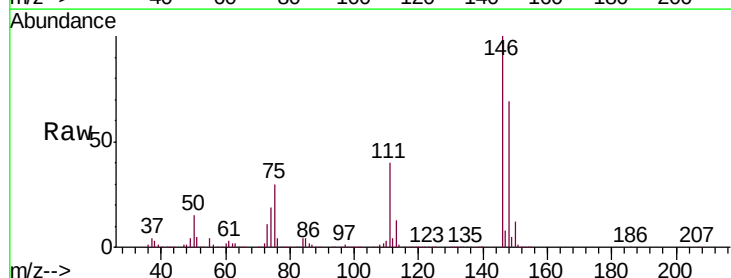
Instrument :
 MSVOA_U
 ClientSampled :
 C08L1

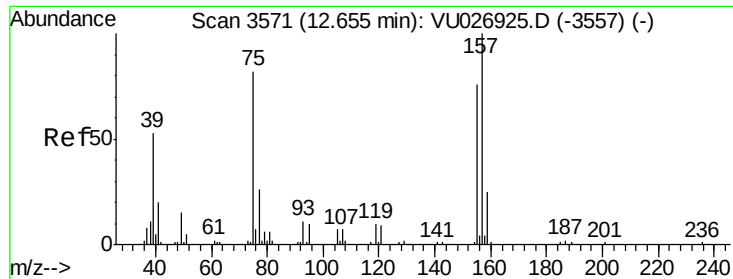
Tgt Ion:146 Resp: 2452161
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.7 49.7
 148 64.6 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 2561.775 ug/L
 RT: 11.52 min Scan# 3217
 Delta R.T. 0.01 min
 Lab File: VU026938.D
 Acq: 20 Sep 2018 15:02

Tgt Ion:146 Resp:14927476
 Ion Ratio Lower Upper
 146 100
 111 40.0 26.0 48.2
 148 68.6 45.8 85.2

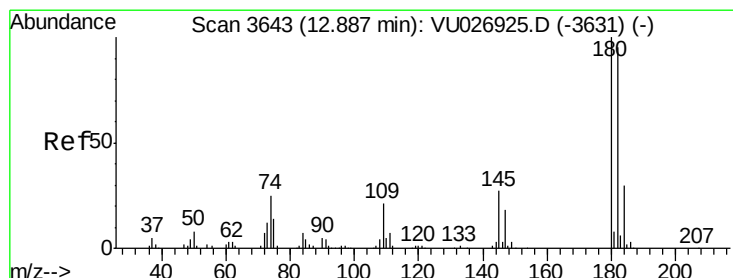
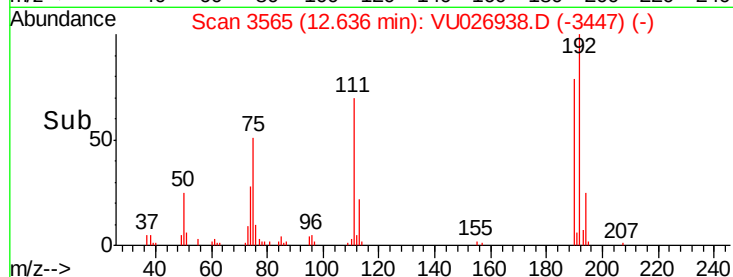
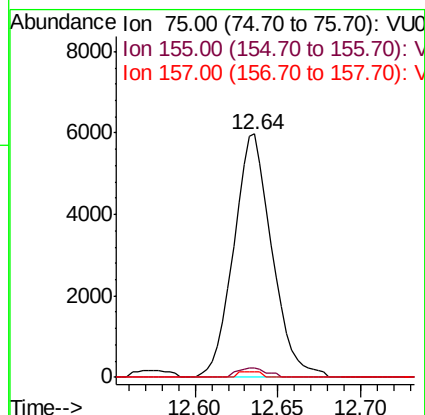
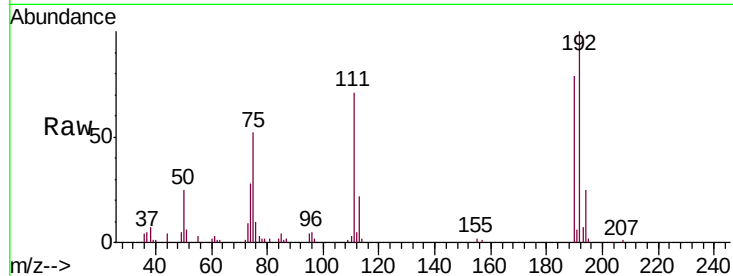




#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.786 ug/L
 RT: 12.64 min Scan# 3565
 Delta R.T. -0.02 min
 Lab File: VU026938.D
 Acq: 20 Sep 2018 15:02

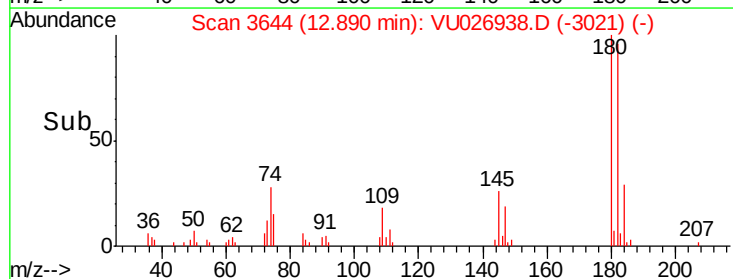
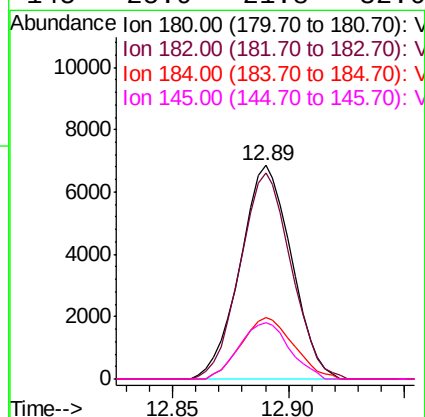
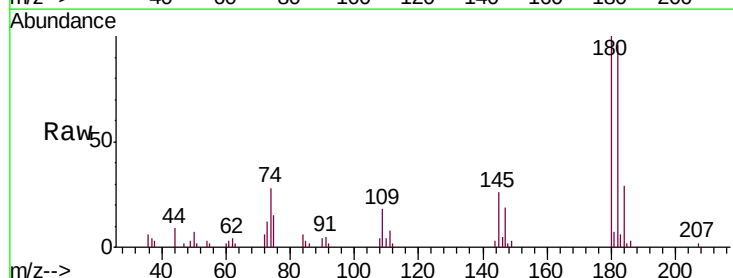
Instrument :
 MSVOA_U
 ClientSampleId :
 C08L1

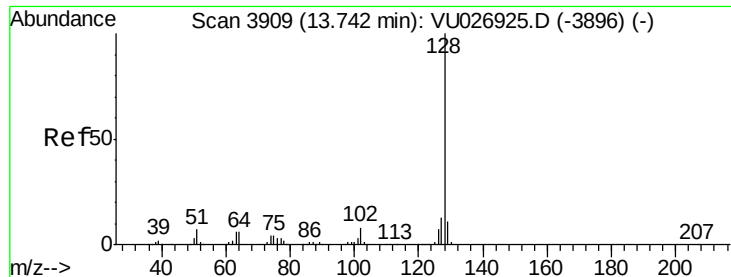
Tgt Ion: 75 Resp: 9588
 Ion Ratio Lower Upper
 75 100
 155 3.9 69.5 104.3#
 157 2.2 90.5 135.7#



#67
 1,3,5-Trichlorobenzene
 Concen: 2.570 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026938.D
 Acq: 20 Sep 2018 15:02

Tgt Ion: 180 Resp: 10525
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.7 115.1
 184 29.4 24.2 36.4
 145 25.9 21.8 32.6

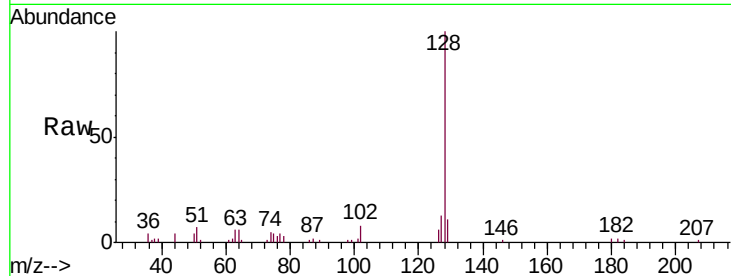




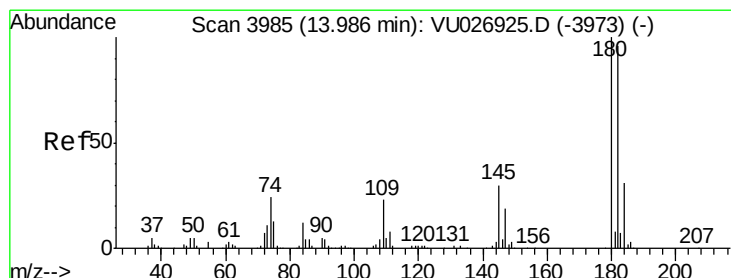
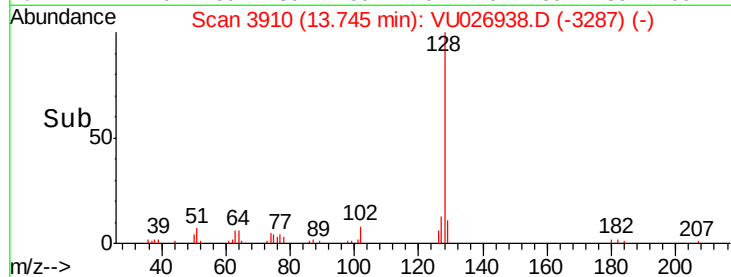
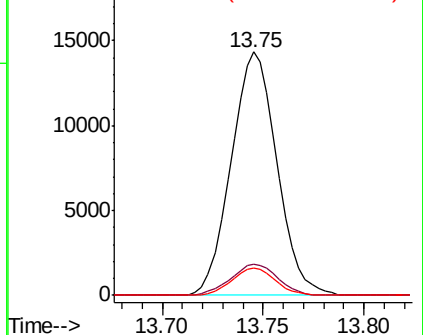
#69
Naphthalene
Concen: 2.187 ug/L
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026938.D
Acq: 20 Sep 2018 15:02

Instrument :
MSVOA_U
ClientSampleId :
C08L1

Tgt Ion:128 Resp: 22735
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.7 8.6 12.8

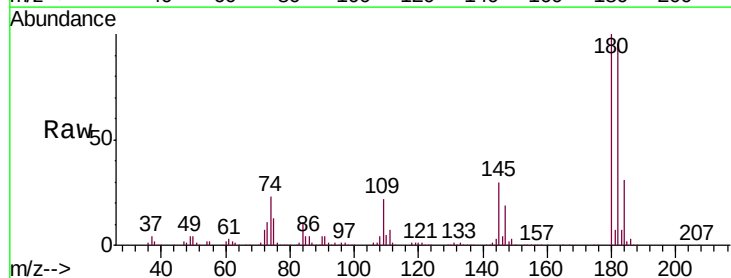


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70
1,2,3-Trichlorobenzene
Concen: 605.509 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026938.D
Acq: 20 Sep 2018 15:02

Tgt Ion:180 Resp: 2353011
Ion Ratio Lower Upper
180 100
182 95.9 75.6 113.4
145 29.4 23.8 35.6



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

