

Data File : VU026940.D
Acq On : 20 Sep 2018 15:48
Operator : MD/SY
Sample : J4893-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08L5

Quant Time: Sep 21 04:26:44 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	286280	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.12	117	282663	50.00	ug/L	0.03
60) 1,4-Dichlorobenzene-d4	11.50	152	183801	50.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77840	36.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.52%
7) Chloroethane-d5	1.68	69	66563	36.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.44%
11) 1,1-Dichloroethene-d2	2.27	63	111451	27.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.62%#
21) 2-Butanone-d5	4.18	46	112366	79.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.96%
24) Chloroform-d	4.65	84	135001	34.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.74%#
26) 1,2-Dichloroethane-d4	5.32	65	88031	35.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.18%
32) Benzene-d6	5.35	84	290081	36.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.24%
36) 1,2-Dichloropropane-d6	6.33	67	89646	35.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	70.24%
41) Toluene-d8	7.57	98	257578	35.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.98%#
43) trans-1,3-Dichloropropene-	7.85	79	40867	35.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.72%
47) 2-Hexanone-d5	8.31	63	81939	81.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	126392	35.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	71.02%
64) 1,2-Dichlorobenzene-d4	11.88	152	139283	36.43	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.86%#

Target Compounds

						Qvalue
9) Trichlorofluoromethane	1.89	101	1795	0.538	ug/L	92
13) Acetone	2.32	43	2221	1.608	ug/L	87
18) Methyl tert-butyl Ether	3.00	73	2758	0.461	ug/L #	28
25) Chloroform	4.68	83	13529	3.387	ug/L	95
27) 1,2-Dichloroethane	5.42	62	497932	159.747	ug/L #	72
29) Cyclohexane	5.00	56	16102	4.906	ug/L	98
31) Carbon tetrachloride	5.14	117	101191	33.580	ug/L	100
34) Trichloroethene	6.19	95	4154	1.975	ug/L	91
35) Methylcyclohexane	6.42	83	8284	2.417	ug/L #	77
39) cis-1,3-Dichloropropene	7.23	75	2109	0.620	ug/L #	32
42) Toluene	7.64	91	11662	1.315	ug/L	100
46) Tetrachloroethene	8.23	164	12470	6.689	ug/L	97
49) Dibromochloromethane	8.23	129	10926	4.398	ug/L #	10
59) 1,2,3-Trichloropropane	10.45	75	2289	0.794	ug/L #	1
62) 1,3-Dichlorobenzene	11.43	146	4221397	753.403	ug/L	99
63) 1,4-Dichlorobenzene	11.43	146	4221397	684.207	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	8158	8.668	ug/L #	3

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092118\
Quantitation Report (Not Reviewed)

Data File : VU026940.D
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Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

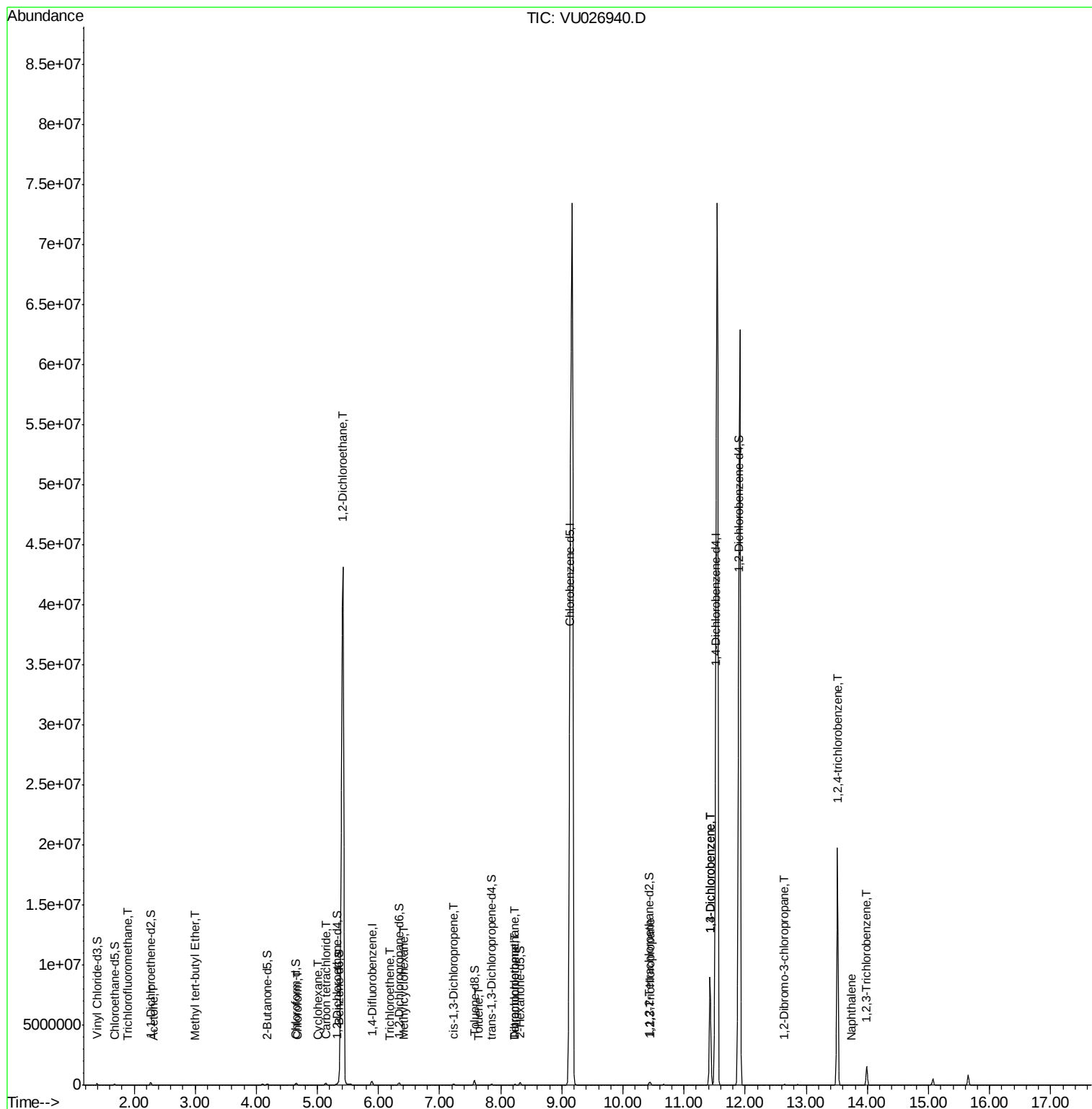
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.51	180	6565544	1757.188	ug/L	100
69) Naphthalene	13.75	128	13931	1.266	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	507375	123.311	ug/L	99

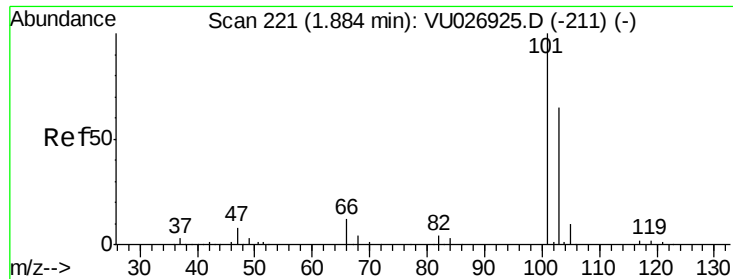
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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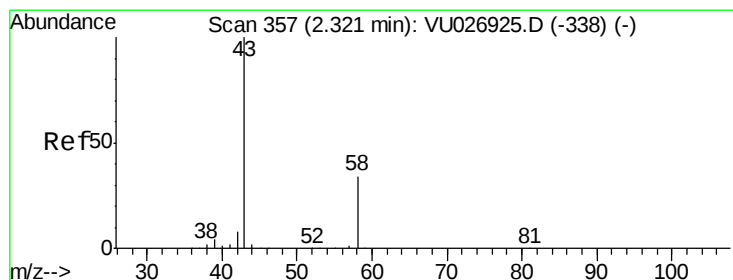
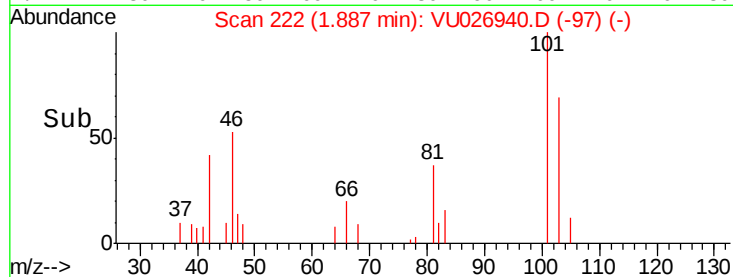
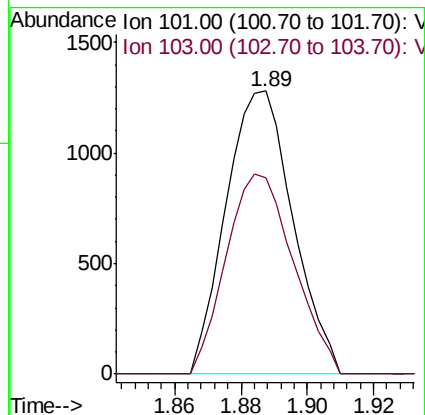
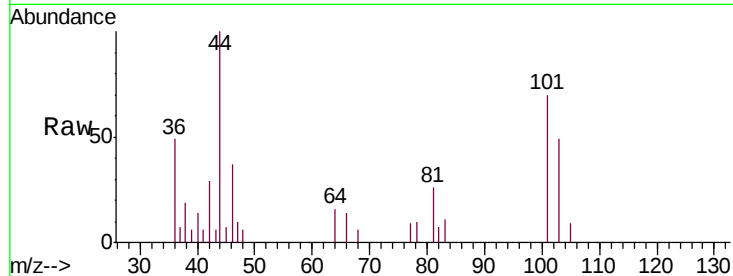


#9

Trichlorofluoromethane
Concen: 0.538 ug/L
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU026940.D
Acq: 20 Sep 2018 15:48

Instrument :
MSVOA_U
ClientSampled :
C08L5

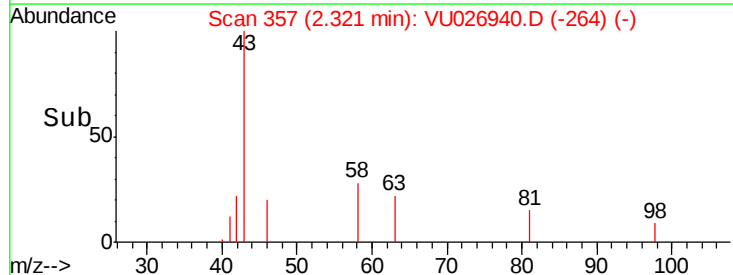
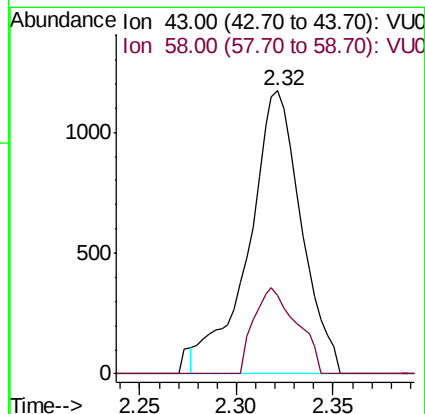
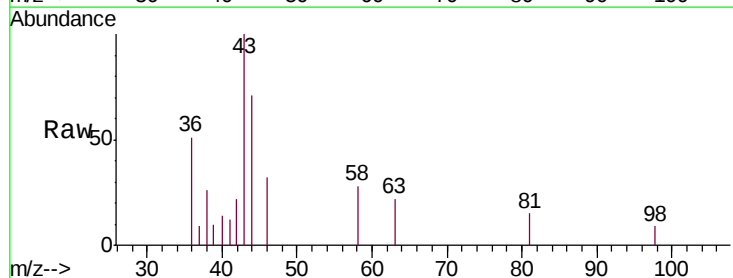
Tgt Ion: 101 Resp: 1795
Ion Ratio Lower Upper
101 100
103 70.9 51.9 77.9

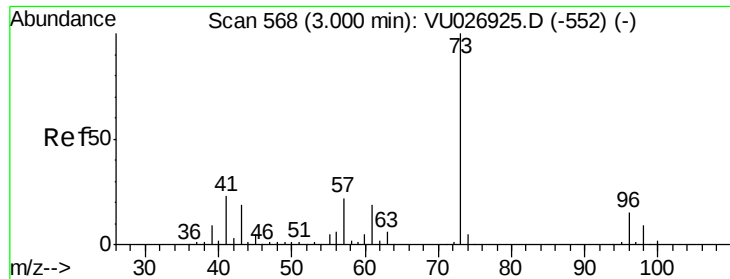


#13

Acetone
Concen: 1.608 ug/L
RT: 2.32 min Scan# 357
Delta R.T. 0.00 min
Lab File: VU026940.D
Acq: 20 Sep 2018 15:48

Tgt Ion: 43 Resp: 2221
Ion Ratio Lower Upper
43 100
58 24.8 0.0 64.6

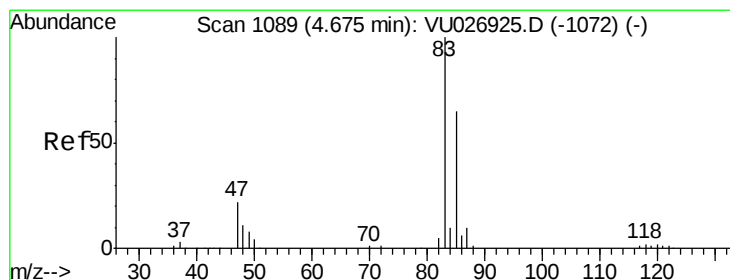
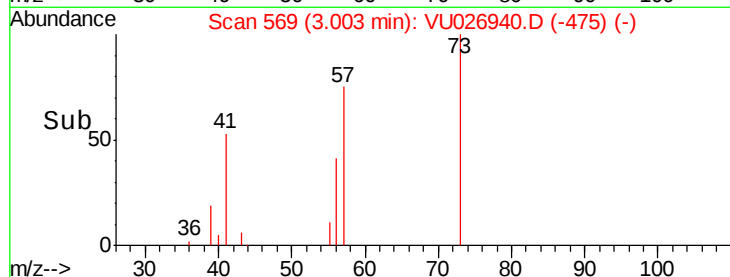
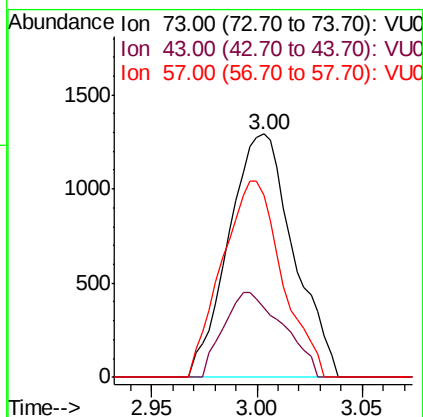
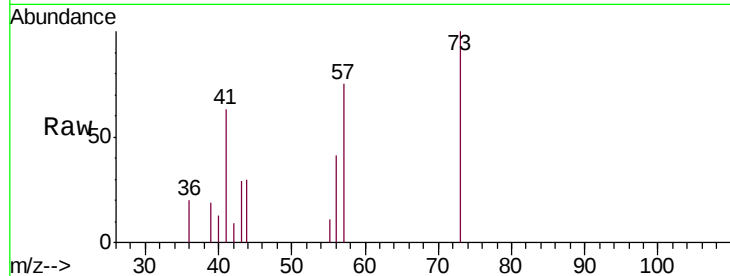




#18
Methyl tert-butyl Ether
Concen: 0.461 ug/L
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU026940.D
Acq: 20 Sep 2018 15:48

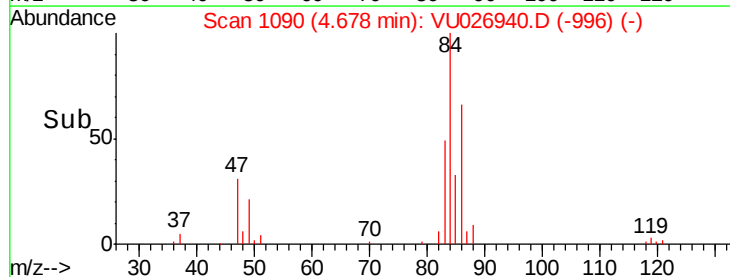
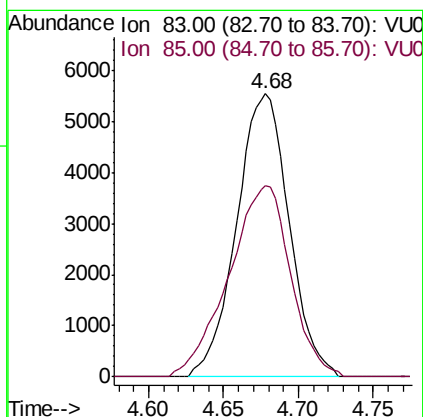
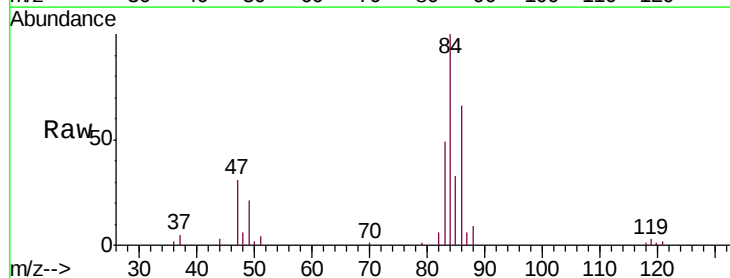
Instrument :
MSVOA_U
ClientSampleId :
C08L5

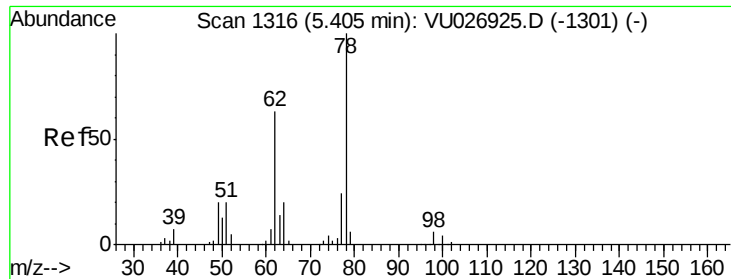
Tgt Ion: 73 Resp: 2758
Ion Ratio Lower Upper
73 100
43 32.2 15.3 22.9#
57 74.7 18.1 27.1#



#25
Chloroform
Concen: 3.387 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026940.D
Acq: 20 Sep 2018 15:48

Tgt Ion: 83 Resp: 13529
Ion Ratio Lower Upper
83 100
85 67.7 44.4 82.5

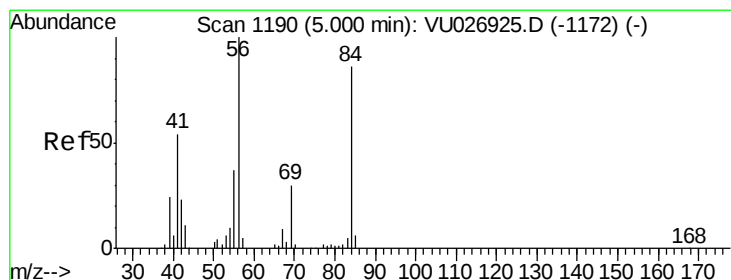
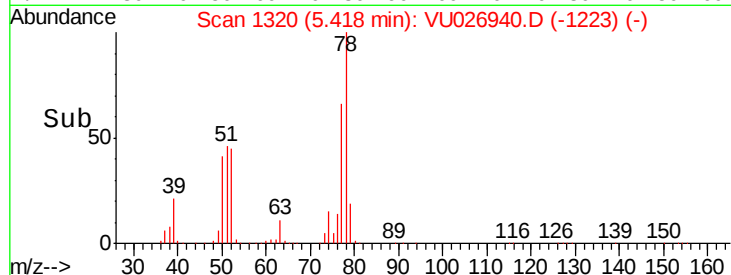
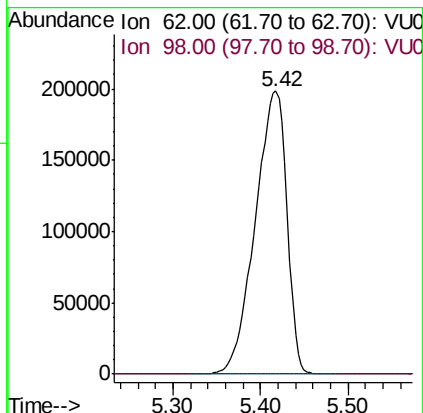
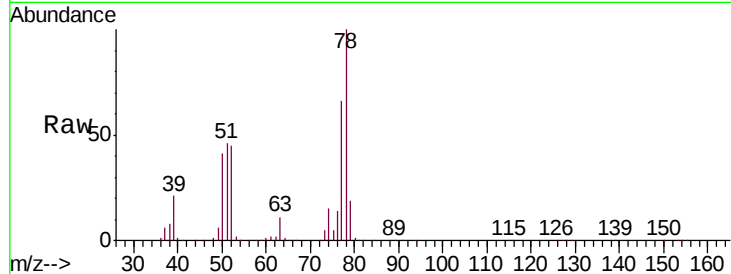




#27
 1,2-Dichloroethane
 Concen: 159.747 ug/L
 RT: 5.42 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VU026940.D
 Acq: 20 Sep 2018 15:48

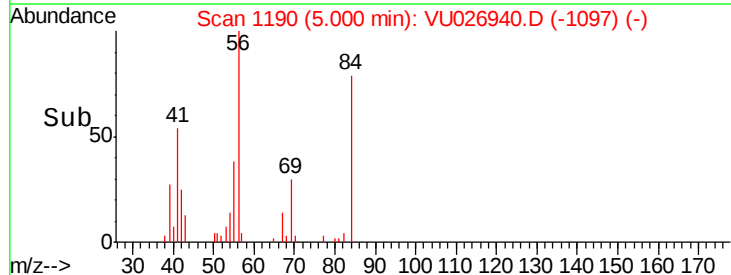
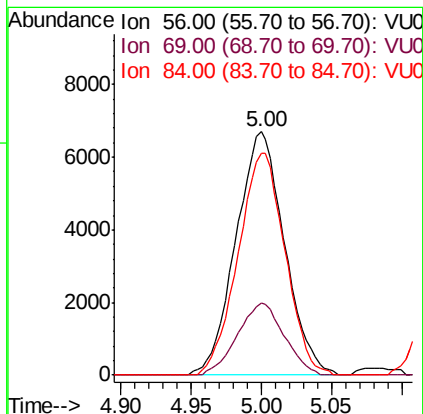
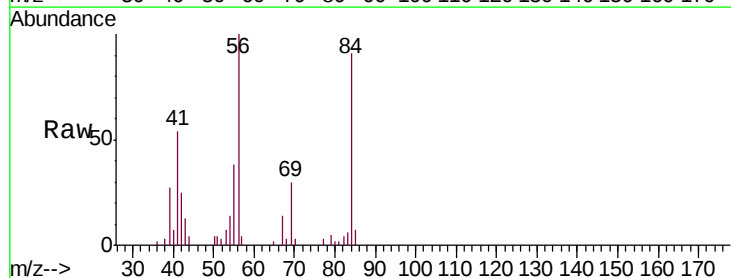
Instrument :
 MSVOA_U
 ClientSampleId :
 C08L5

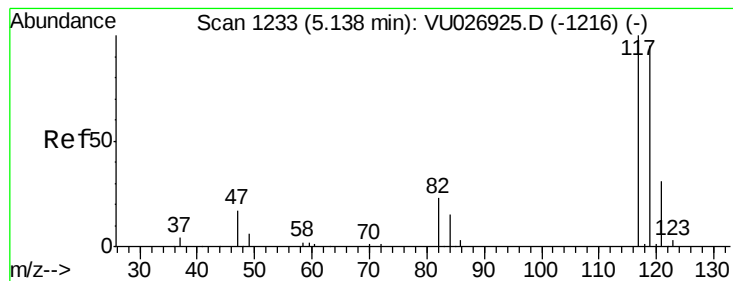
Tgt Ion: 62 Resp: 497932
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



#29
 Cyclohexane
 Concen: 4.906 ug/L
 RT: 5.00 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VU026940.D
 Acq: 20 Sep 2018 15:48

Tgt Ion: 56 Resp: 16102
 Ion Ratio Lower Upper
 56 100
 69 28.5 23.7 35.5
 84 88.4 69.0 103.4





#31

Carbon tetrachloride

Concen: 33.580 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026940.D

Acq: 20 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

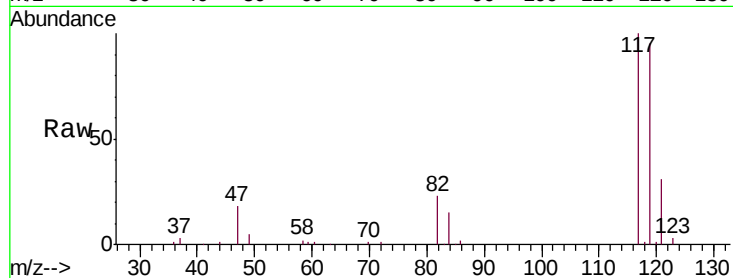
C08L5

Tgt Ion:117 Resp: 101191

Ion Ratio Lower Upper

117 100

119 95.8 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.14

40000

30000

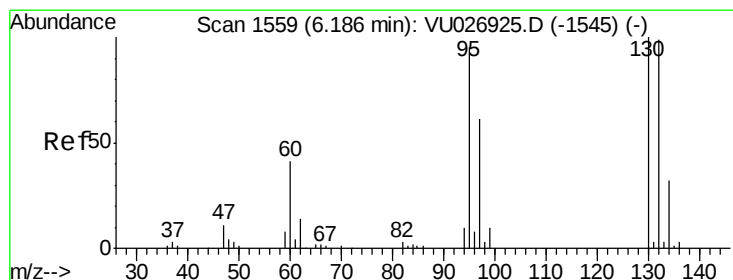
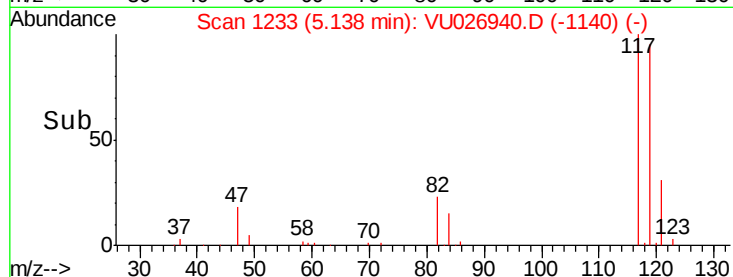
20000

10000

0

Time-->

5.05 5.10 5.15 5.20 5.25



#34

Trichloroethene

Concen: 1.975 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026940.D

Acq: 20 Sep 2018 15:48

Tgt Ion: 95 Resp: 4154

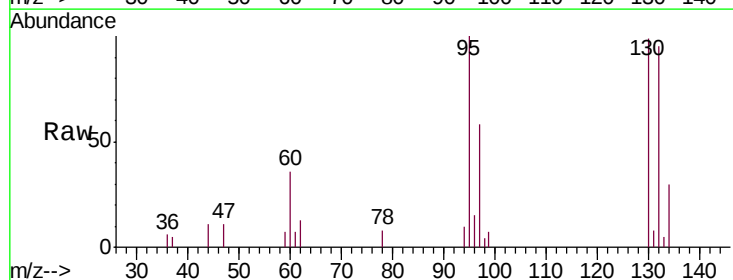
Ion Ratio Lower Upper

95 100

97 58.0 46.3 85.9

132 94.6 71.7 133.1

130 98.8 75.3 139.8



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

3000

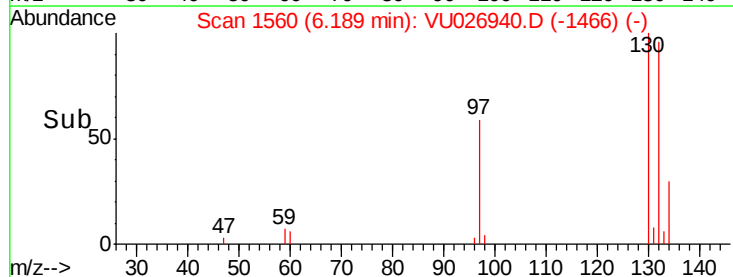
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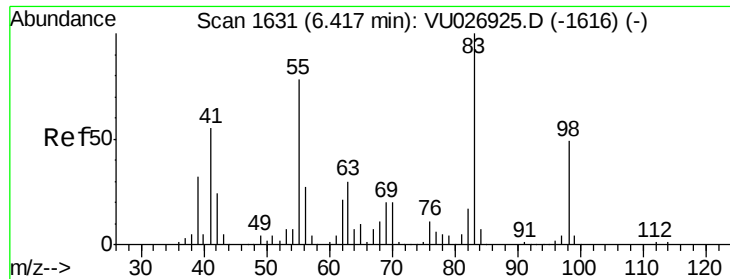
1000

0

Time-->

6.15 6.20 6.25

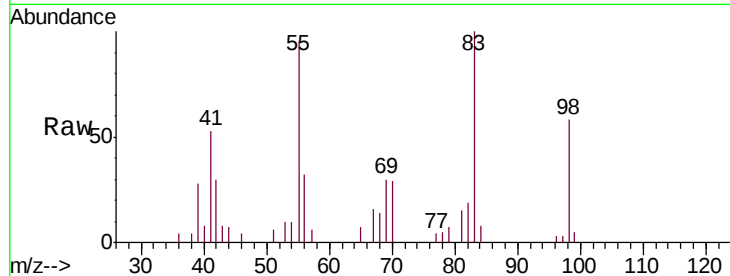




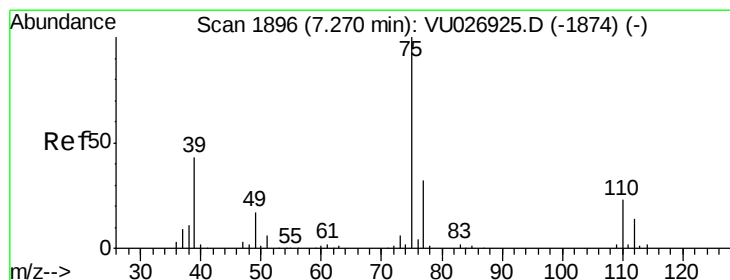
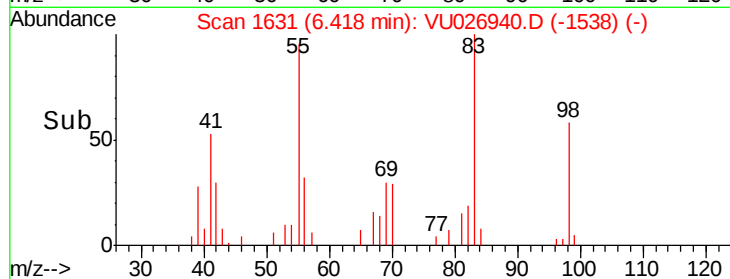
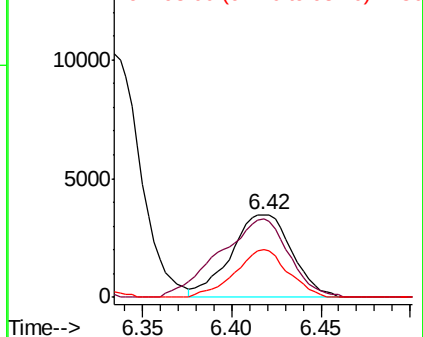
#35
Methylcyclohexane
Concen: 2.417 ug/L
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026940.D
Acq: 20 Sep 2018 15:48

Instrument :
MSVOA_U
ClientSampled :
C08L5

Tgt Ion: 83 Resp: 8284
Ion Ratio Lower Upper
83 100
55 107.7 61.7 92.5#
98 50.2 38.3 57.5

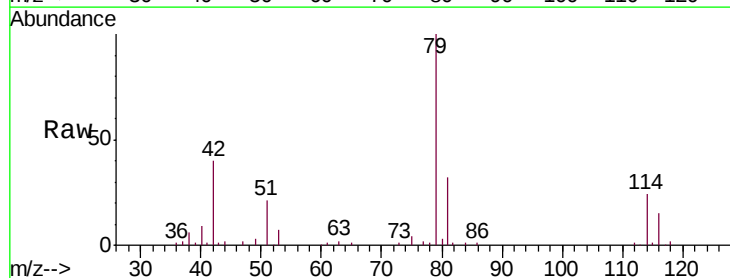


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

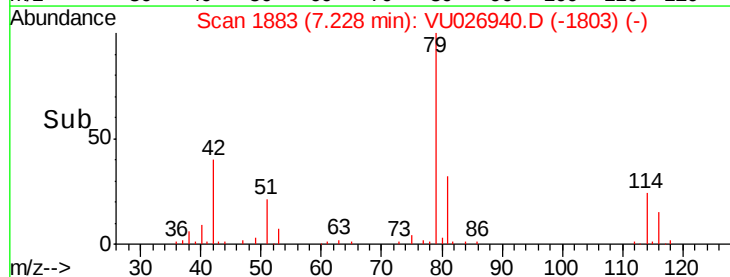
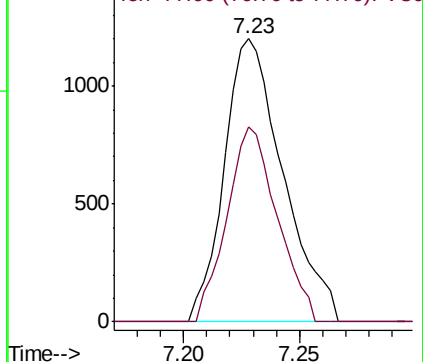


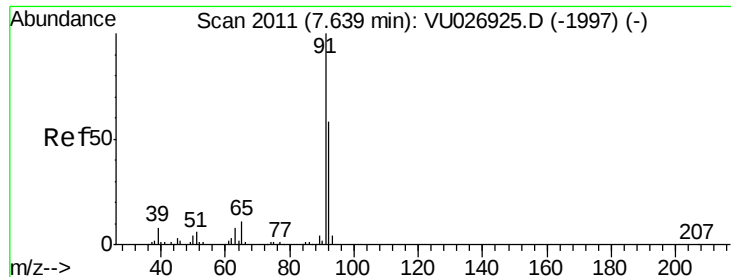
#39
cis-1,3-Dichloropropene
Concen: 0.620 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU026940.D
Acq: 20 Sep 2018 15:48

Tgt Ion: 75 Resp: 2109
Ion Ratio Lower Upper
75 100
77 69.1 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 1.315 ug/L

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU026940.D

Acq: 20 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

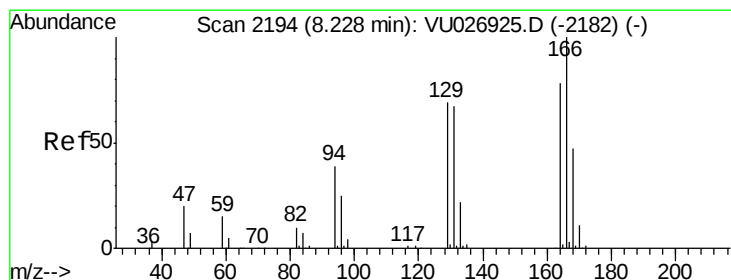
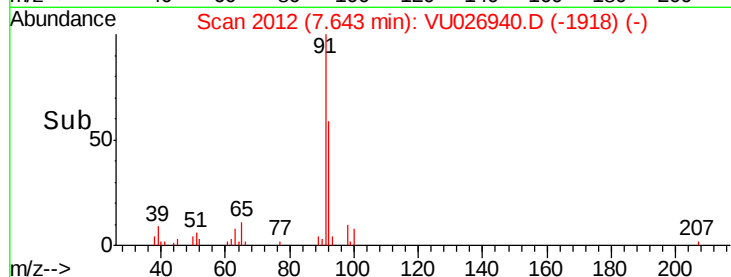
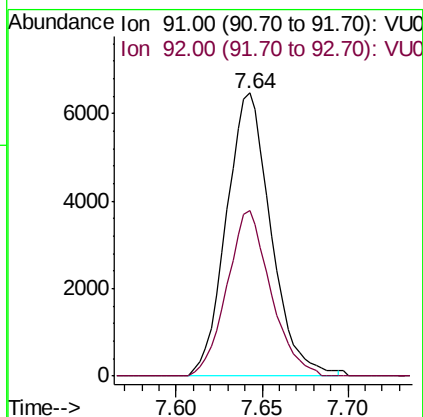
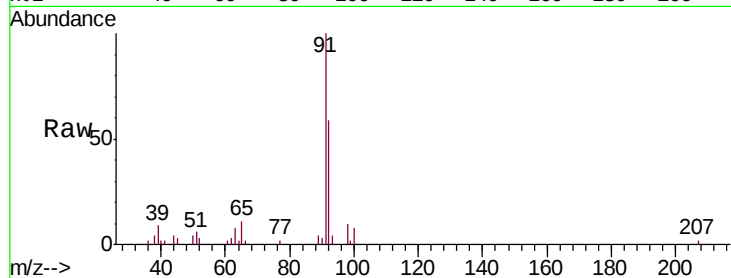
C08L5

Tgt Ion: 91 Resp: 11662

Ion Ratio Lower Upper

91 100

92 58.6 40.9 76.0



#46

Tetrachloroethene

Concen: 6.689 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU026940.D

Acq: 20 Sep 2018 15:48

Tgt Ion: 164 Resp: 12470

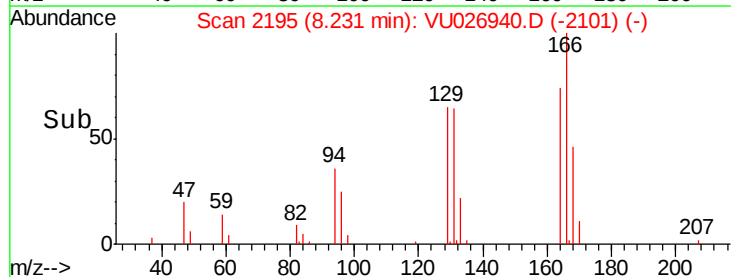
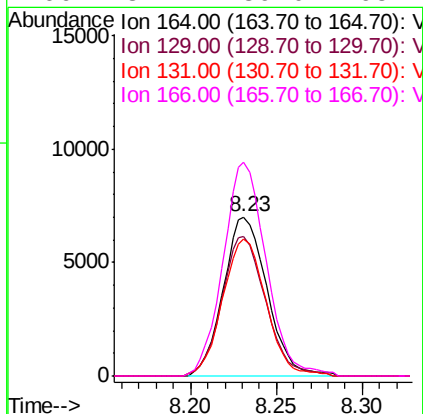
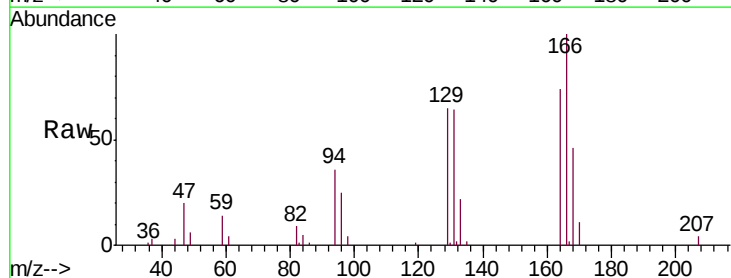
Ion Ratio Lower Upper

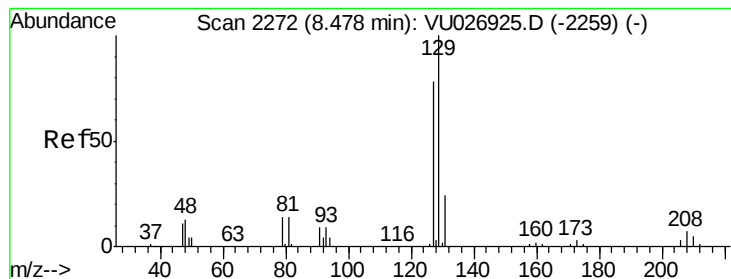
164 100

129 87.6 62.2 115.4

131 86.3 60.5 112.5

166 134.4 89.0 165.2





#49

Dibromochloromethane

Concen: 4.398 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU026940.D

Acq: 20 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

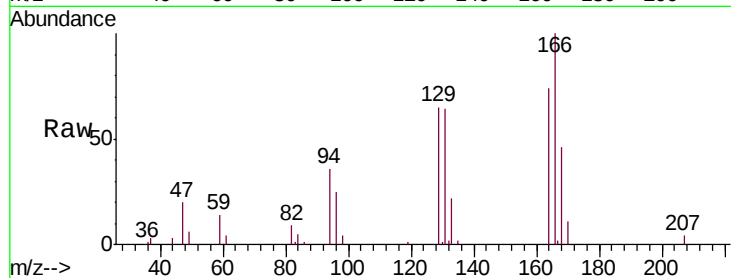
C08L5

Tgt Ion:129 Resp: 10926

Ion Ratio Lower Upper

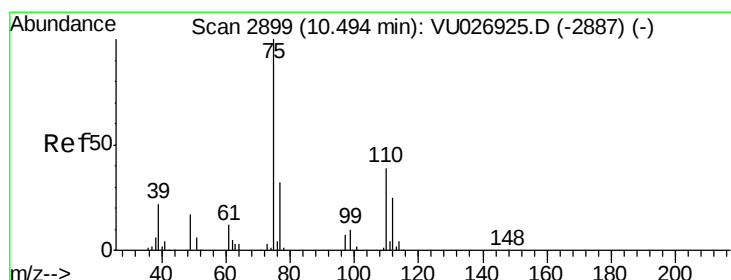
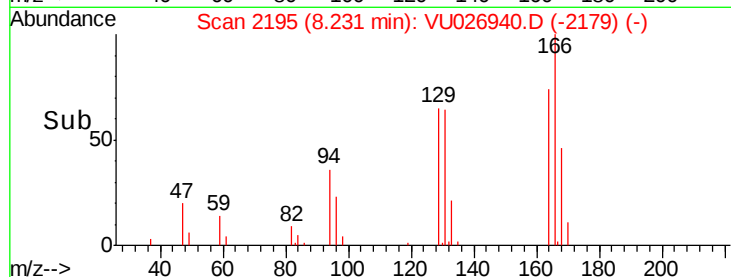
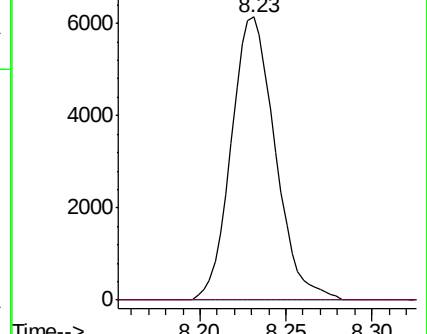
129 100

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



#59

1,2,3-Trichloropropane

Concen: 0.794 ug/L

RT: 10.45 min Scan# 2886

Delta R.T. -0.04 min

Lab File: VU026940.D

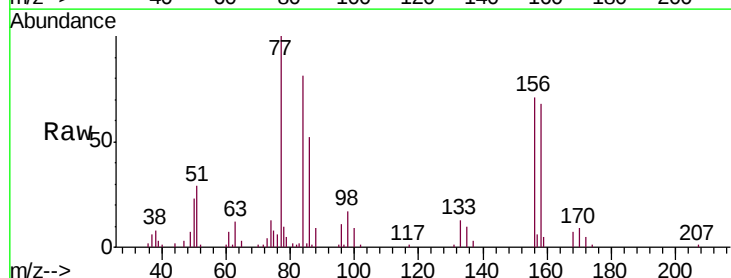
Acq: 20 Sep 2018 15:48

Tgt Ion: 75 Resp: 2289

Ion Ratio Lower Upper

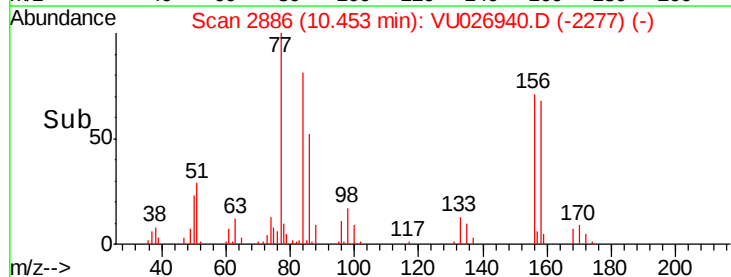
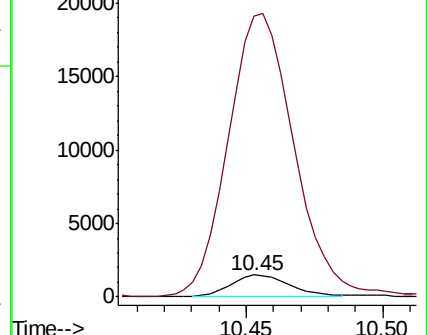
75 100

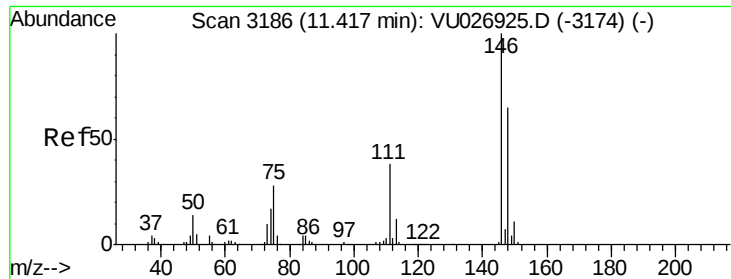
77 1425.4 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#62

1,3-Dichlorobenzene

Concen: 753.403 ug/L

RT: 11.43 min Scan# 3189

Delta R.T. 0.01 min

Lab File: VU026940.D

Acq: 20 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampled :

C08L5

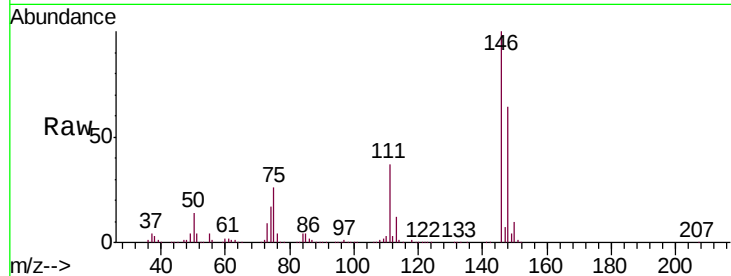
Tgt Ion:146 Resp: 4221397

Ion Ratio Lower Upper

146 100

111 37.4 26.7 49.7

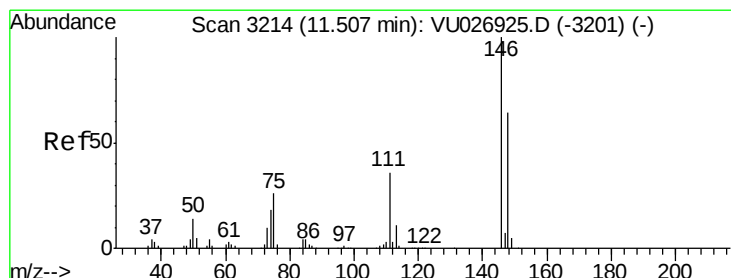
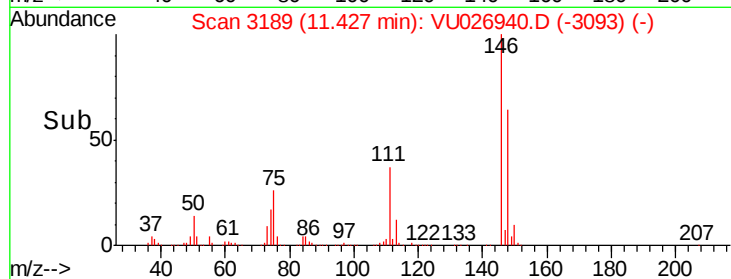
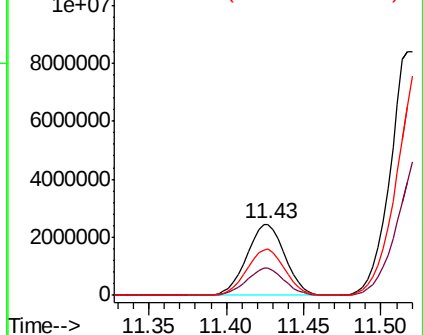
148 64.4 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 684.207 ug/L

RT: 11.43 min Scan# 3189

Delta R.T. -0.08 min

Lab File: VU026940.D

Acq: 20 Sep 2018 15:48

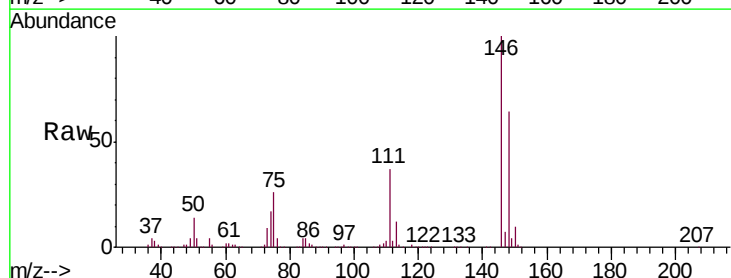
Tgt Ion:146 Resp: 4221397

Ion Ratio Lower Upper

146 100

111 37.4 26.0 48.2

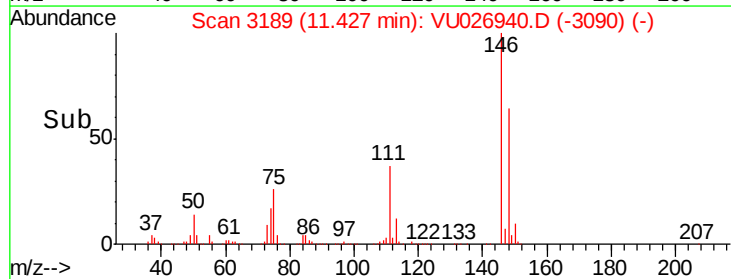
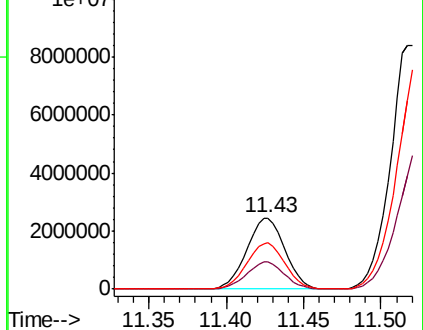
148 64.4 45.8 85.2

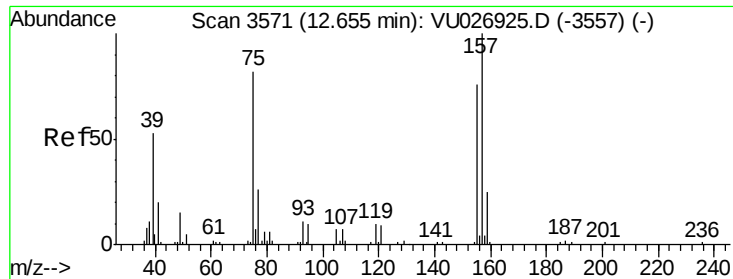


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

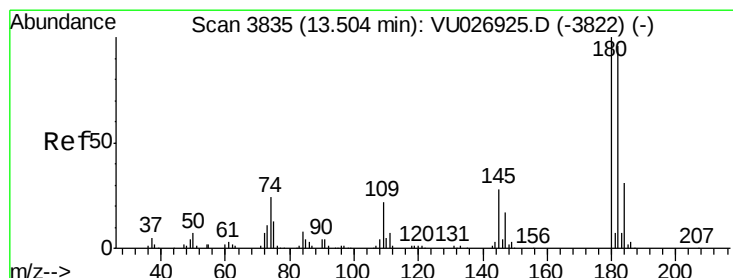
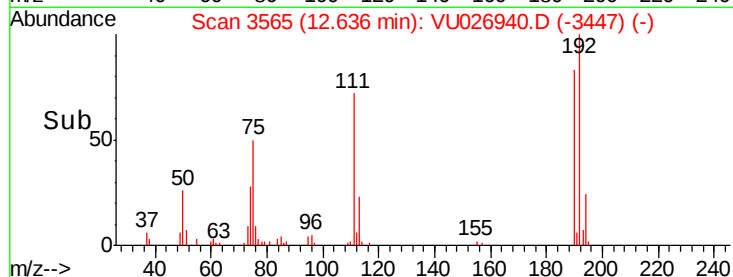
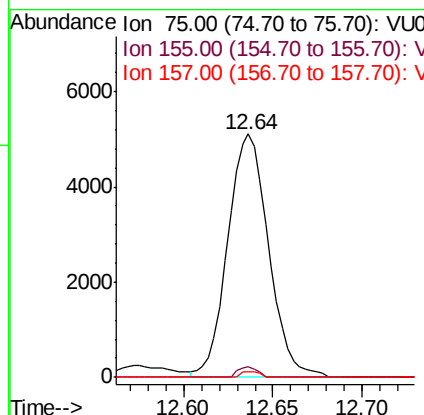
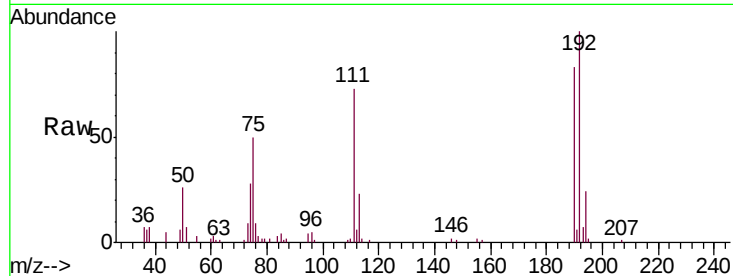




#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.668 ug/L
 RT: 12.64 min Scan# 3565
 Delta R.T. -0.02 min
 Lab File: VU026940.D
 Acq: 20 Sep 2018 15:48

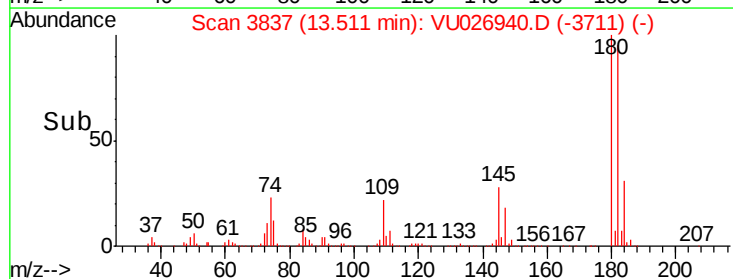
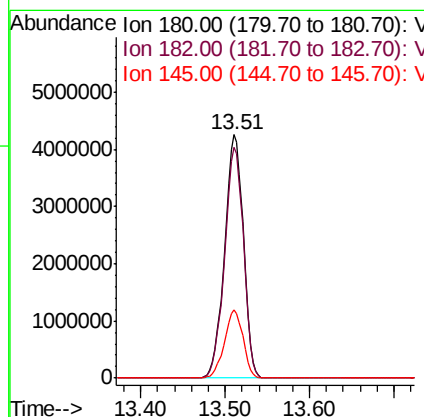
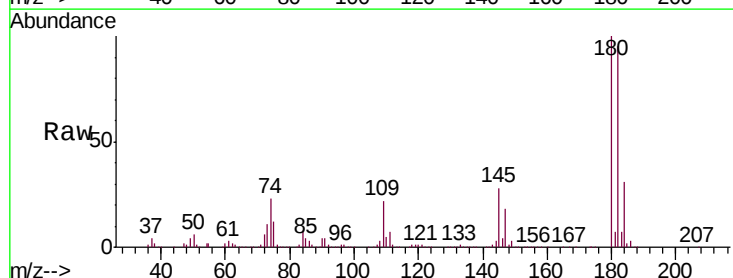
Instrument :
 MSVOA_U
 ClientSampleId :
 C08L5

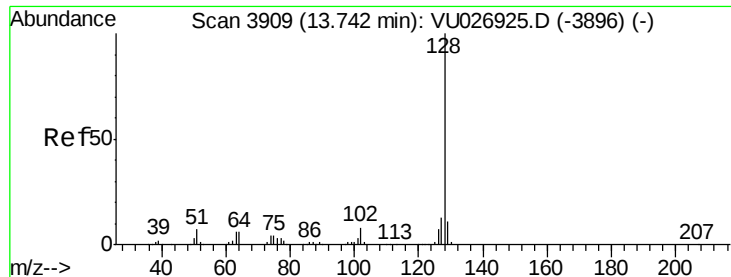
Tgt Ion: 75 Resp: 8158
 Ion Ratio Lower Upper
 75 100
 155 4.2 69.5 104.3#
 157 2.5 90.5 135.7#



#68
 1,2,4-trichlorobenzene
 Concen: 1757.188 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU026940.D
 Acq: 20 Sep 2018 15:48

Tgt Ion: 180 Resp: 6565544
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.8 115.2
 145 27.8 22.2 33.2





#69

Naphthalene

Concen: 1.266 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026940.D

Acq: 20 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampleId :

C08L5

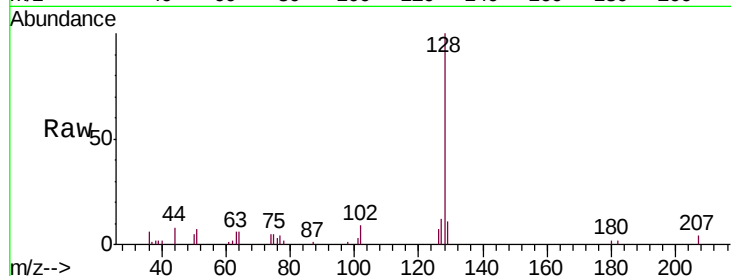
Tgt Ion:128 Resp: 13931

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.4

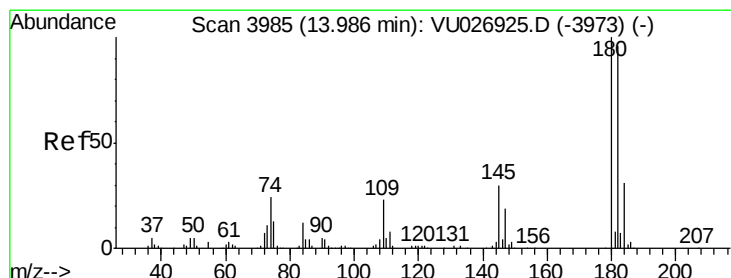
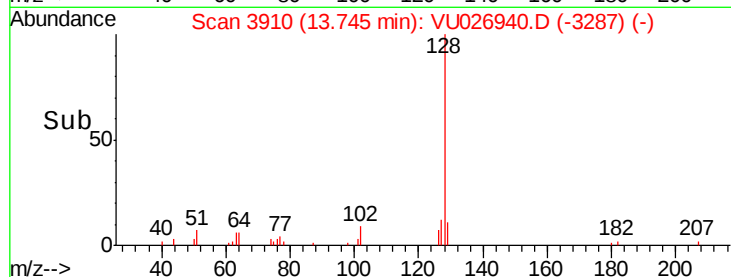
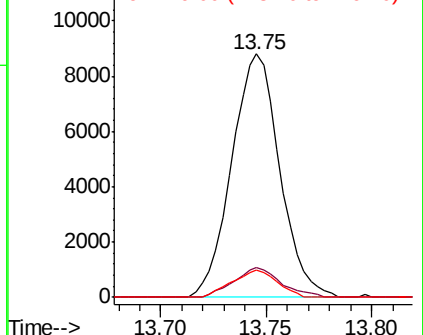
129 10.5 8.6 12.8



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: 123.311 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU026940.D

Acq: 20 Sep 2018 15:48

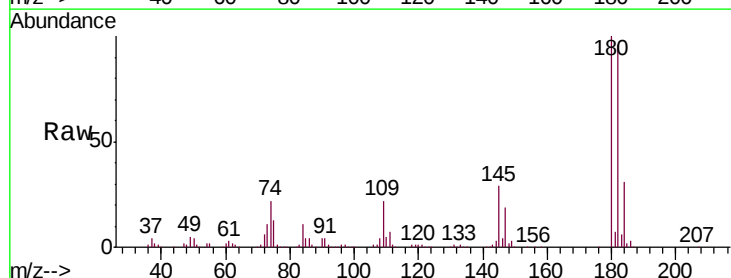
Tgt Ion:180 Resp: 507375

Ion Ratio Lower Upper

180 100

182 95.8 75.6 113.4

145 29.3 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

