

Data File : VU026937.D
Acq On : 20 Sep 2018 14:39
Operator : MD/SY
Sample : J4893-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08K6

Quant Time: Sep 21 04:26:12 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	286358	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	287577	50.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.49	152	176472	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75977	35.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.74%
7) Chloroethane-d5	1.68	69	65472	36.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.22%
11) 1,1-Dichloroethene-d2	2.27	63	108058	26.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.92%#
21) 2-Butanone-d5	4.18	46	107663	76.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.59%
24) Chloroform-d	4.65	84	132303	33.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.34%#
26) 1,2-Dichloroethane-d4	5.31	65	84620	34.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.40%#
32) Benzene-d6	5.35	84	280495	34.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.60%#
36) 1,2-Dichloropropane-d6	6.33	67	86233	33.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	66.42%#
41) Toluene-d8	7.57	98	243944	33.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.00%#
43) trans-1,3-Dichloropropene-	7.85	79	38411	33.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.26%
47) 2-Hexanone-d5	8.31	63	75351	73.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	73.83%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	117483	32.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	64.90%#
64) 1,2-Dichlorobenzene-d4	11.87	152	127489	34.73	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.46%#

Target Compounds

					Qvalue
13) Acetone	2.32	43	1823	1.319 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	3212	0.537 ug/L #	85
25) Chloroform	4.68	83	15847	3.966 ug/L	95
27) 1,2-Dichloroethane	5.40	62	261711	83.940 ug/L #	72
29) Cyclohexane	5.00	56	5170	1.548 ug/L	97
31) Carbon tetrachloride	5.14	117	34864	11.372 ug/L	96
34) Trichloroethene	6.19	95	1616	0.755 ug/L	92
35) Methylcyclohexane	6.42	83	2443	0.700 ug/L #	68
37) 1,2-Dichloropropane	6.33	63	9061	3.700 ug/L #	86
39) cis-1,3-Dichloropropene	7.23	75	2139	0.618 ug/L #	77
42) Toluene	7.64	91	4587	0.508 ug/L	94
46) Tetrachloroethene	8.23	164	3665	1.932 ug/L	93
49) Dibromochloromethane	8.23	129	3321	1.314 ug/L #	10
62) 1,3-Dichlorobenzene	11.42	146	1461472	271.665 ug/L	99
63) 1,4-Dichlorobenzene	11.42	146	1461472	246.714 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	3431	3.797 ug/L #	1
67) 1,3,5-Trichlorobenzene	13.51	180	2527455	607.124 ug/L	100

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

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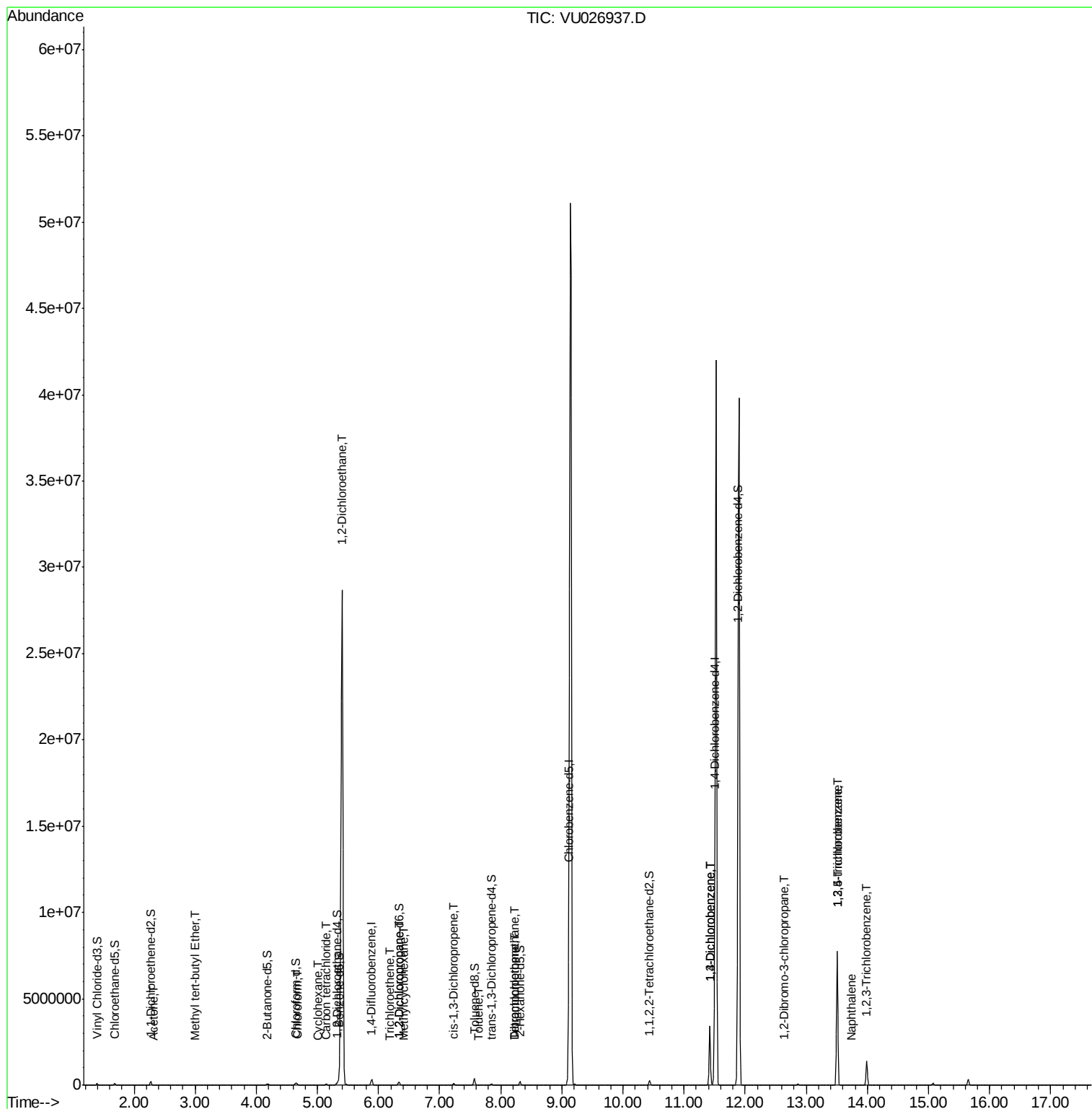
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2,4-trichlorobenzene	13.51	180	2527455	704.536	ug/L	100
69) Naphthalene	13.75	128	5093	0.482	ug/L	96
70) 1,2,3-Trichlorobenzene	13.99	180	453142	114.704	ug/L	98

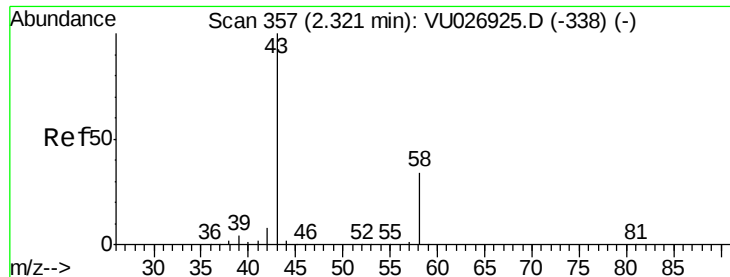
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.319 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026937.D

Acq: 20 Sep 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

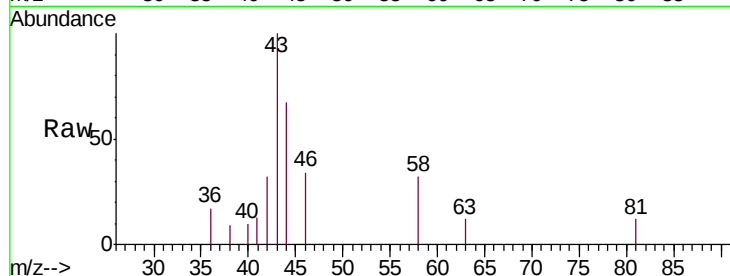
C08K6

Tgt Ion: 43 Resp: 1823

Ion Ratio Lower Upper

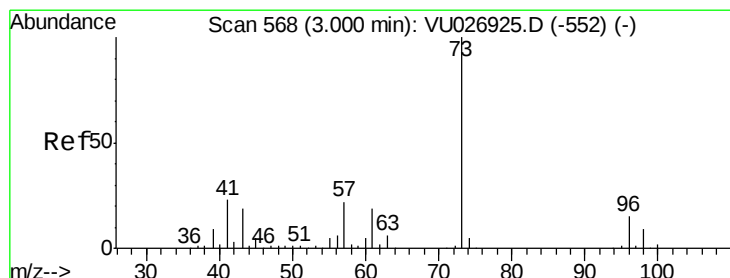
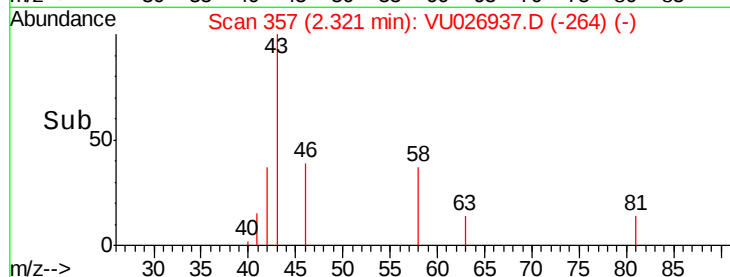
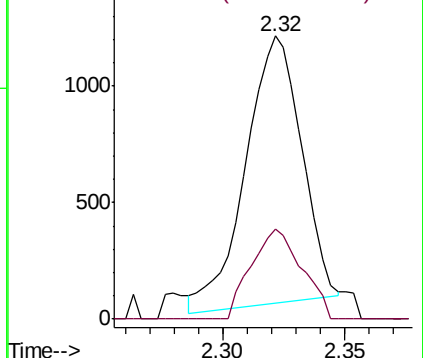
43 100

58 30.6 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl tert-butyl Ether

Concen: 0.537 ug/L

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU026937.D

Acq: 20 Sep 2018 14:39

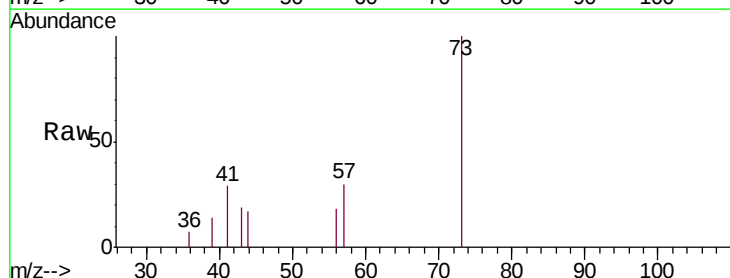
Tgt Ion: 73 Resp: 3212

Ion Ratio Lower Upper

73 100

43 21.0 15.3 22.9

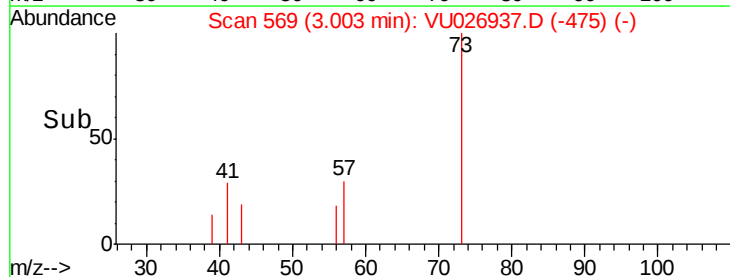
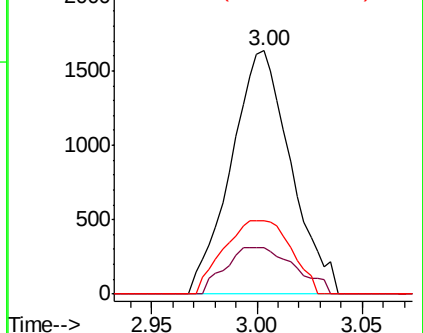
57 34.0 18.1 27.1#

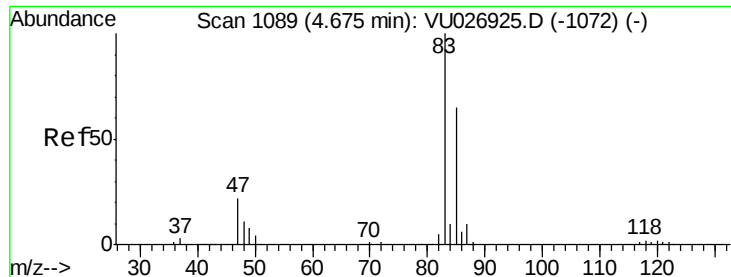


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

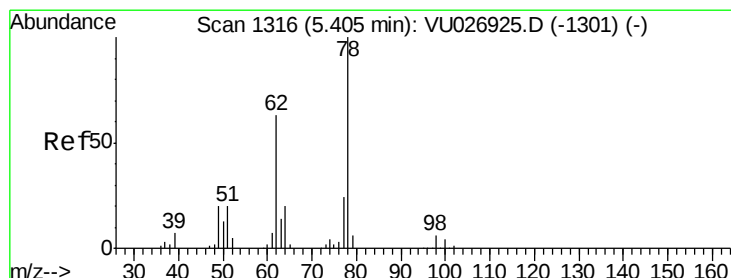
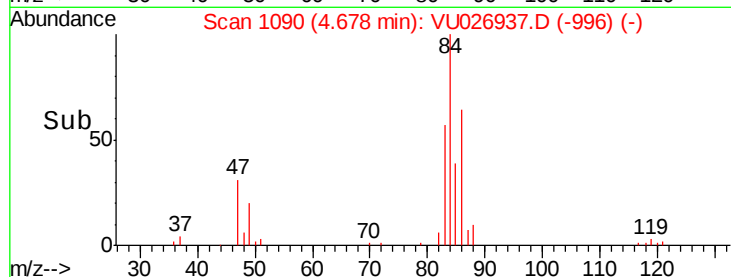
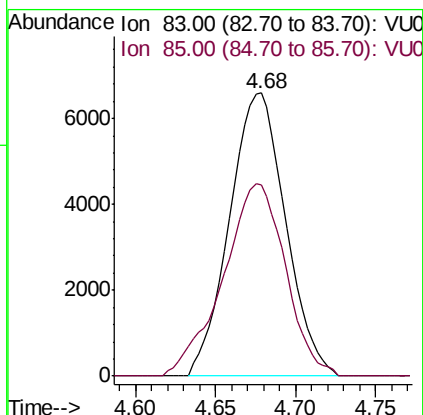
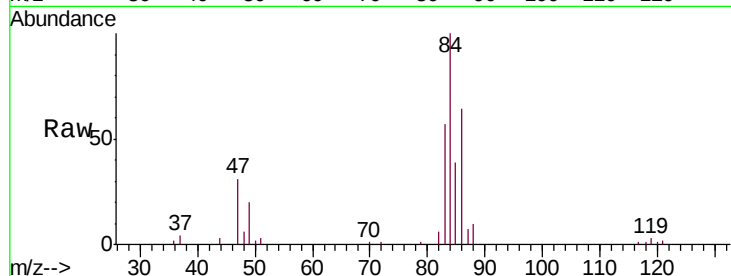




#25
Chloroform
Concen: 3.966 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU026937.D
Acq: 20 Sep 2018 14:39

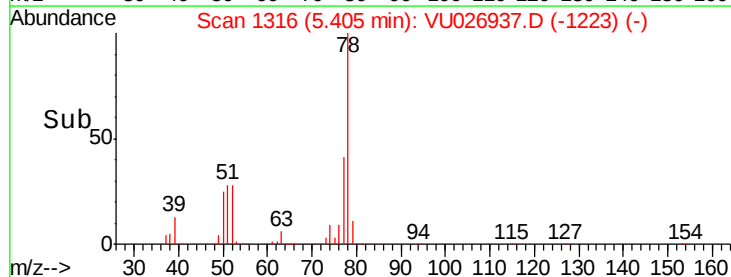
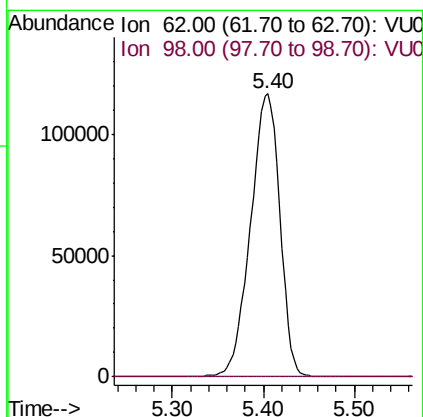
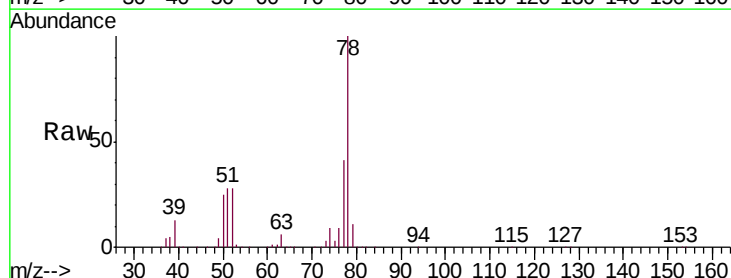
Instrument :
MSVOA_U
ClientSampled :
C08K6

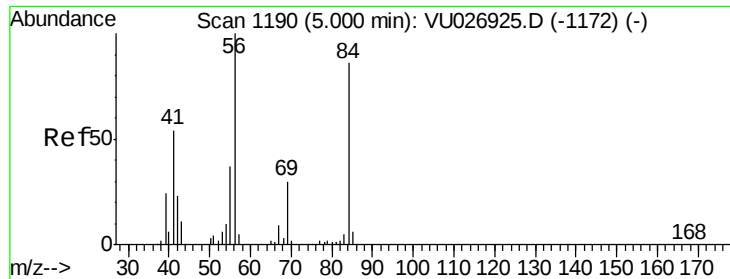
Tgt Ion: 83 Resp: 15847
Ion Ratio Lower Upper
83 100
85 67.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 83.940 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU026937.D
Acq: 20 Sep 2018 14:39

Tgt Ion: 62 Resp: 261711
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#

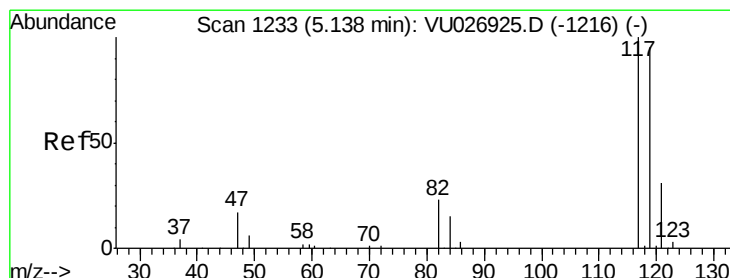
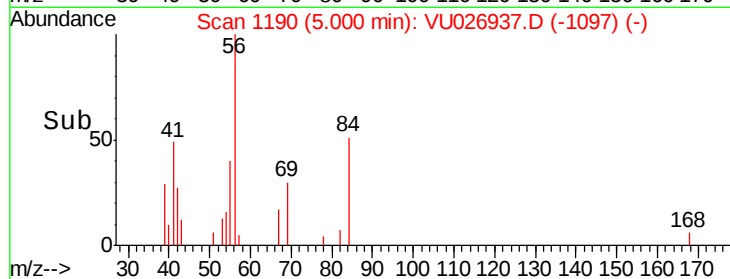
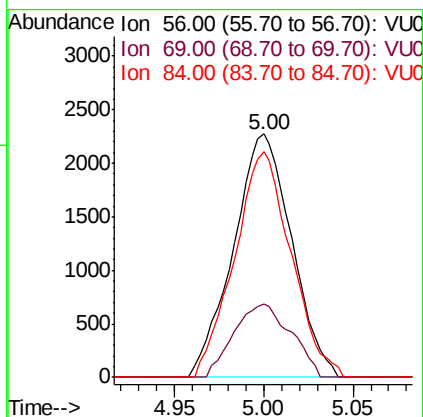
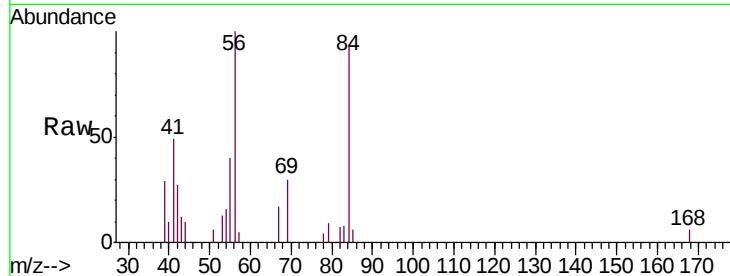




#29
Cyclohexane
Concen: 1.548 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU026937.D
Acq: 20 Sep 2018 14:39

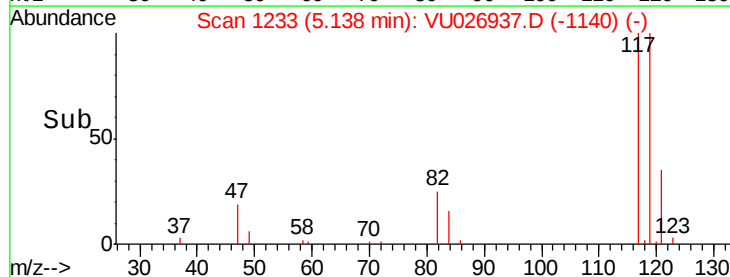
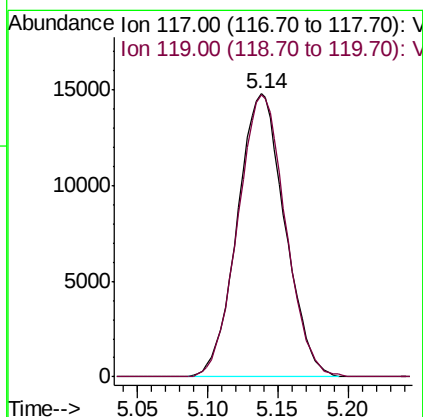
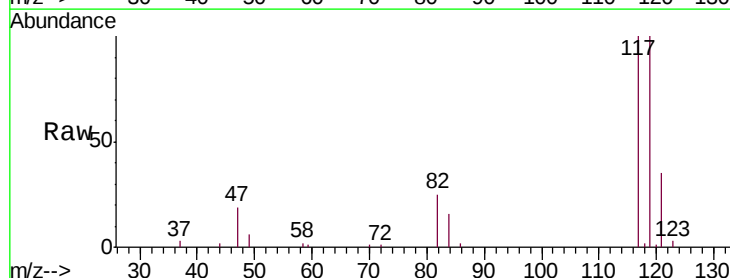
Instrument :
MSVOA_U
ClientSampleId :
C08K6

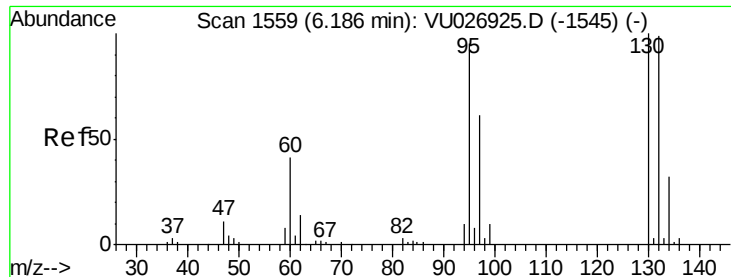
Tgt Ion: 56 Resp: 5170
Ion Ratio Lower Upper
56 100
69 29.5 23.7 35.5
84 90.0 69.0 103.4



#31
Carbon tetrachloride
Concen: 11.372 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026937.D
Acq: 20 Sep 2018 14:39

Tgt Ion: 117 Resp: 34864
Ion Ratio Lower Upper
117 100
119 99.7 76.3 114.5

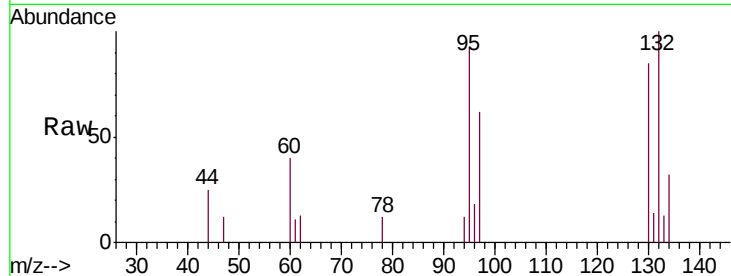




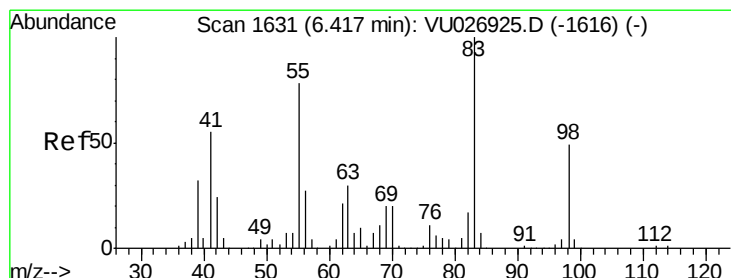
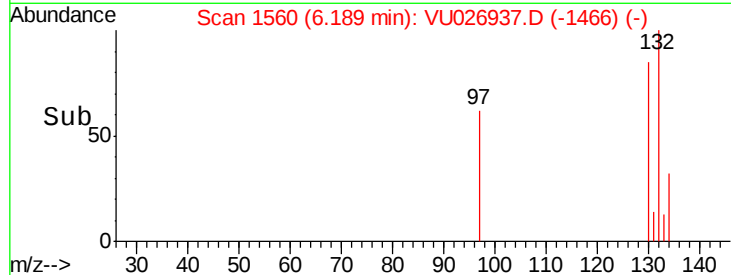
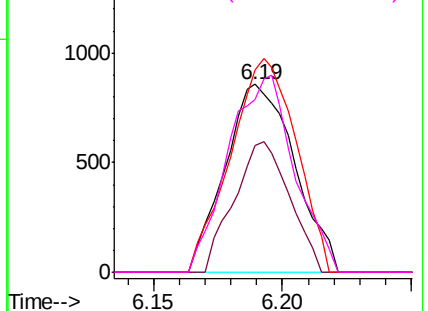
#34
 Trichloroethene
 Concen: 0.755 ug/L
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU026937.D
 Acq: 20 Sep 2018 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K6

Tgt Ion: 95 Resp: 1616
 Ion Ratio Lower Upper
 95 100
 97 67.3 46.3 85.9
 132 107.7 71.7 133.1
 130 92.1 75.3 139.8

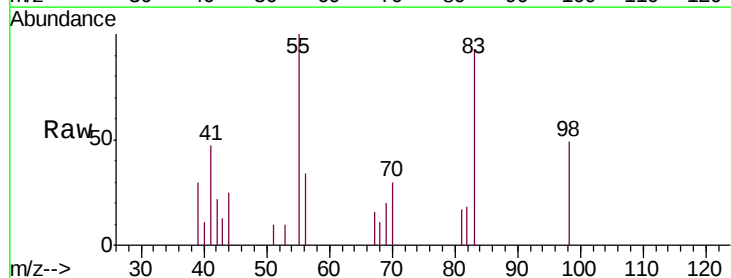


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

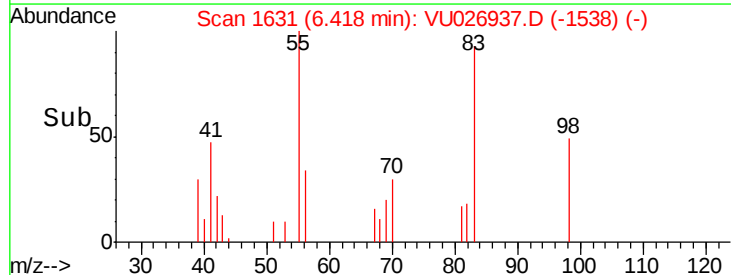
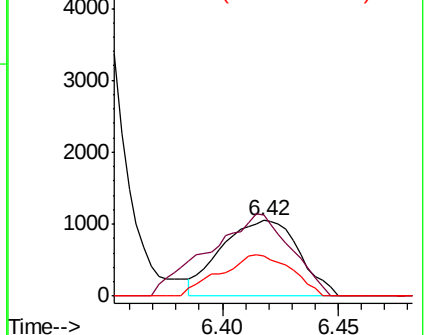


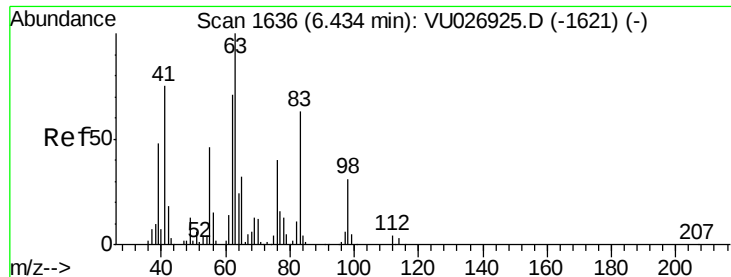
#35
 Methylcyclohexane
 Concen: 0.700 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU026937.D
 Acq: 20 Sep 2018 14:39

Tgt Ion: 83 Resp: 2443
 Ion Ratio Lower Upper
 83 100
 55 114.9 61.7 92.5#
 98 38.4 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





#37

1,2-Dichloropropane

Concen: 3.700 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026937.D

Acq: 20 Sep 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

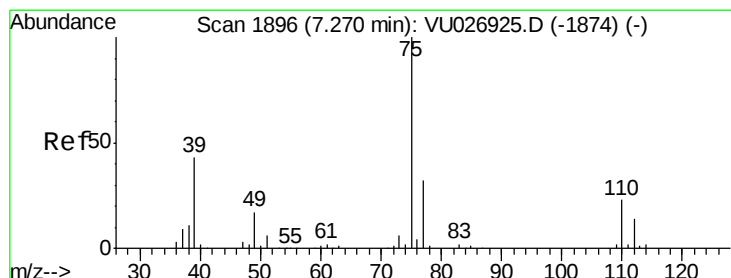
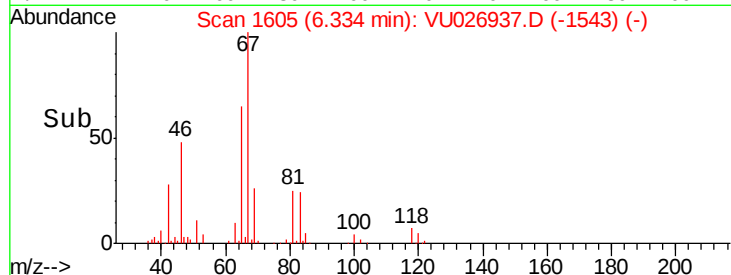
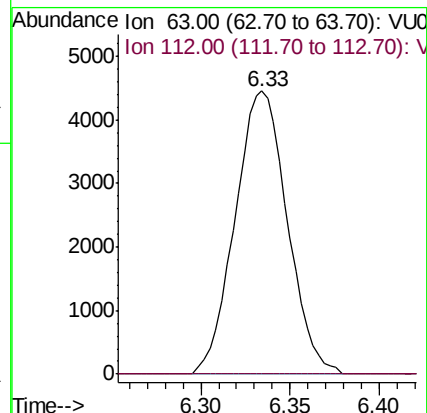
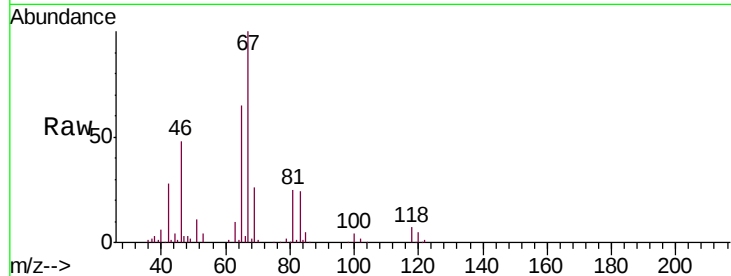
C08K6

Tgt Ion: 63 Resp: 9061

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



#39

cis-1,3-Dichloropropene

Concen: 0.618 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU026937.D

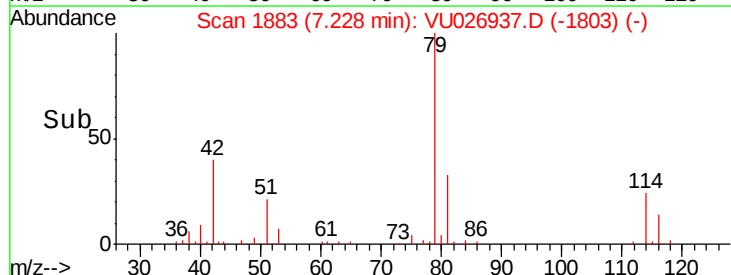
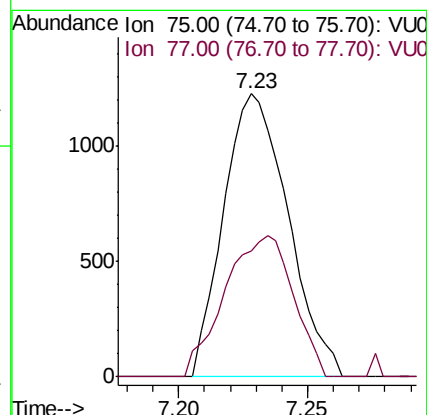
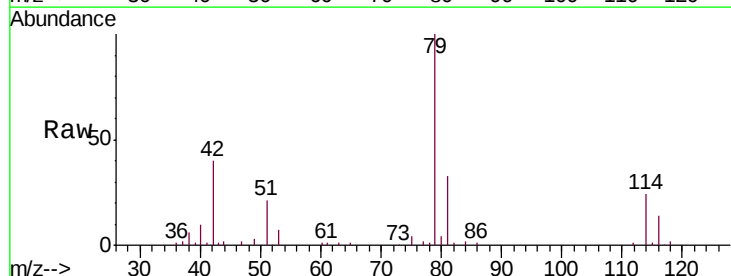
Acq: 20 Sep 2018 14:39

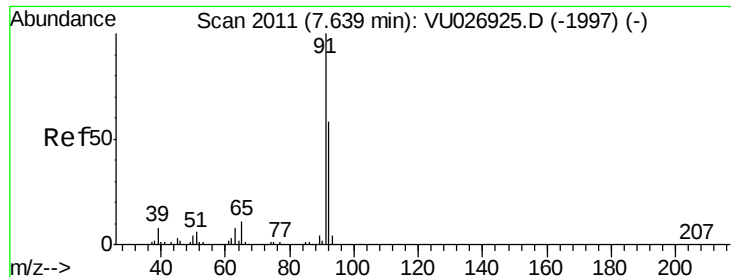
Tgt Ion: 75 Resp: 2139

Ion Ratio Lower Upper

75 100

77 44.5 22.1 41.1#





#42

Toluene

Concen: 0.508 ug/L

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU026937.D

Acq: 20 Sep 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

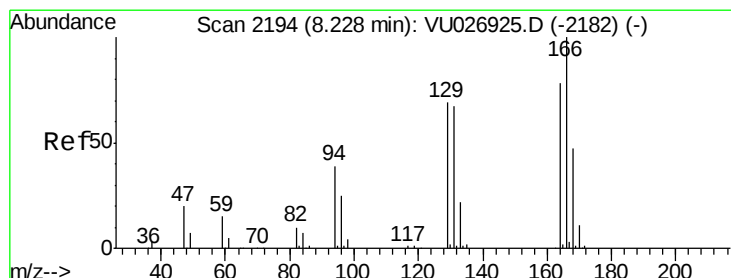
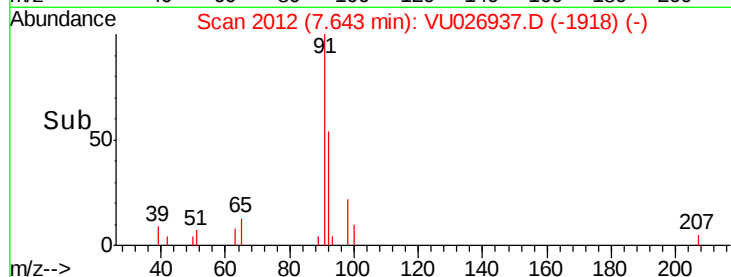
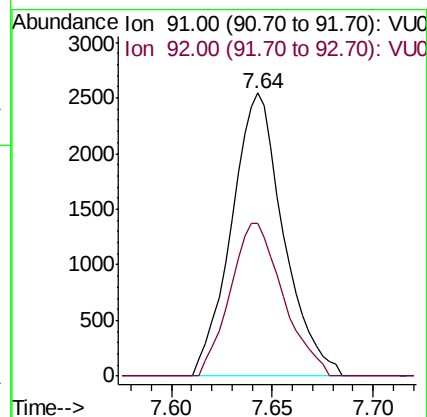
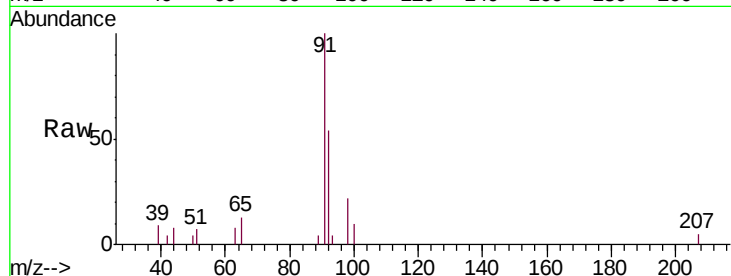
C08K6

Tgt Ion: 91 Resp: 4587

Ion Ratio Lower Upper

91 100

92 53.9 40.9 76.0



#46

Tetrachloroethene

Concen: 1.932 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU026937.D

Acq: 20 Sep 2018 14:39

Tgt Ion: 164 Resp: 3665

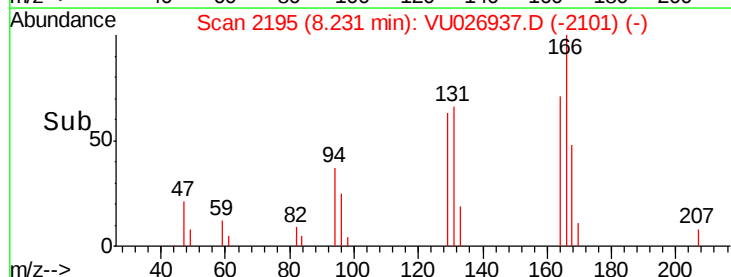
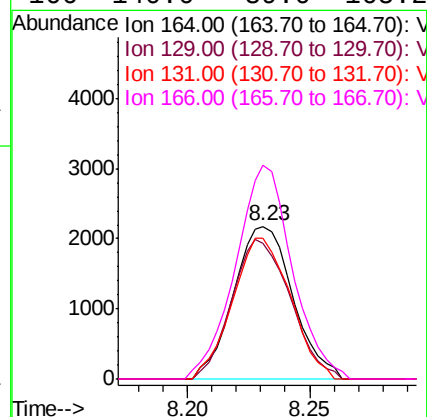
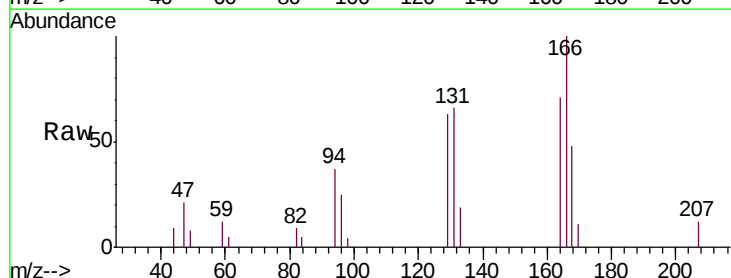
Ion Ratio Lower Upper

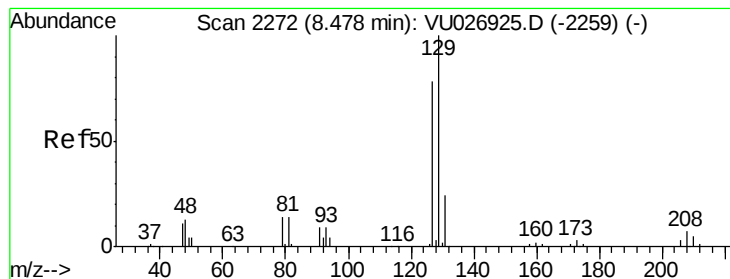
164 100

129 88.7 62.2 115.4

131 92.6 60.5 112.5

166 140.0 89.0 165.2





#49

Dibromochloromethane

Concen: 1.314 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU026937.D

Acq: 20 Sep 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

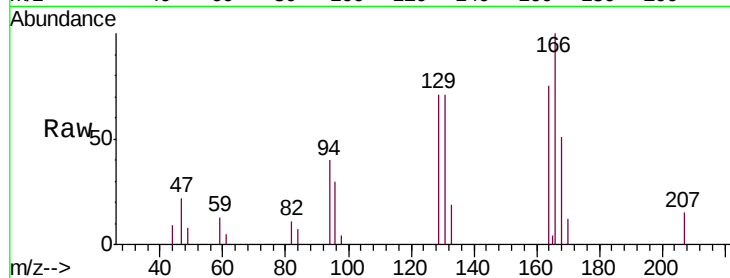
C08K6

Tgt Ion:129 Resp: 3321

Ion Ratio Lower Upper

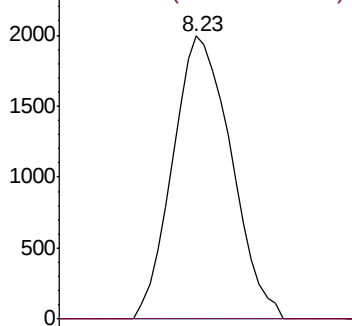
129 100

127 0.0 55.2 102.4#

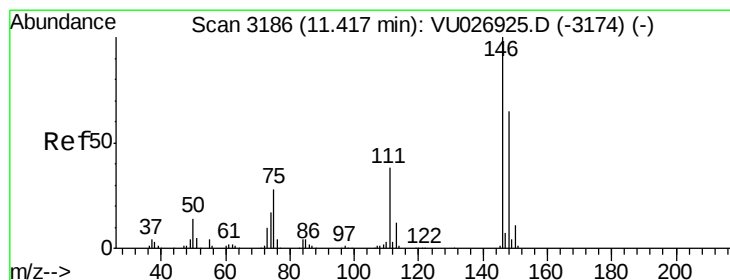
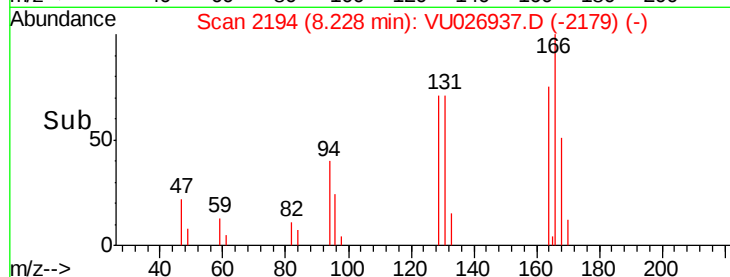


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#62

1,3-Dichlorobenzene

Concen: 271.665 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026937.D

Acq: 20 Sep 2018 14:39

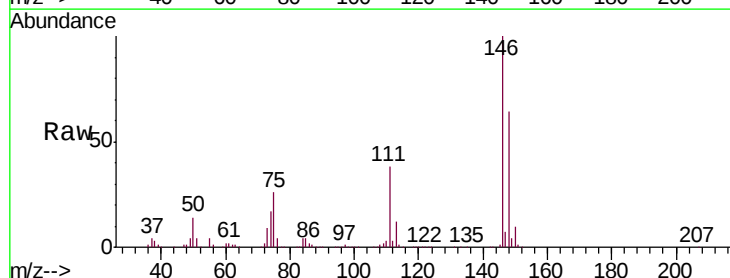
Tgt Ion:146 Resp: 1461472

Ion Ratio Lower Upper

146 100

111 37.6 26.7 49.7

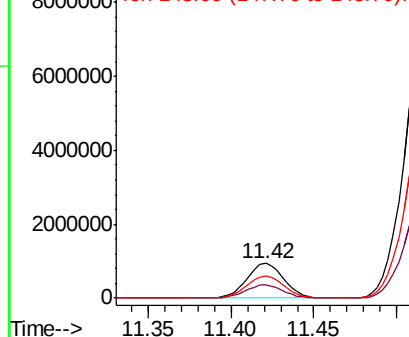
148 64.0 44.9 83.5



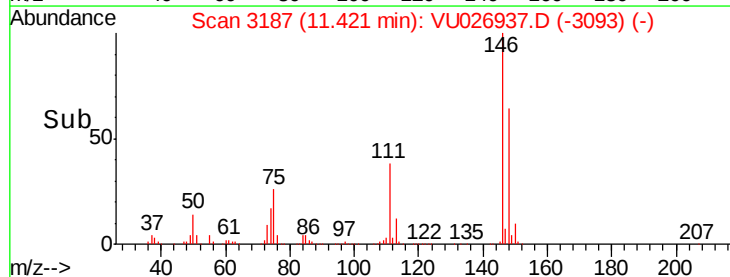
Abundance Ion 146.00 (145.70 to 146.70): V

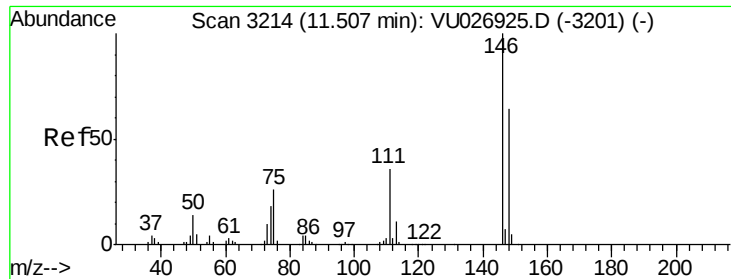
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->

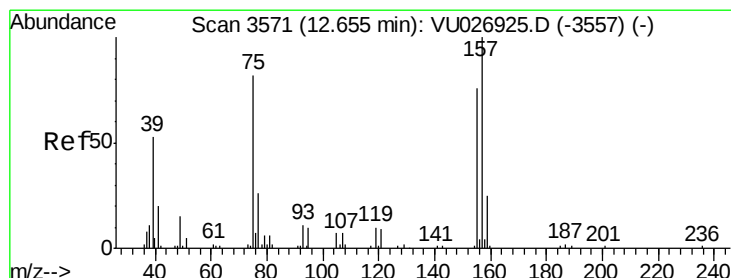
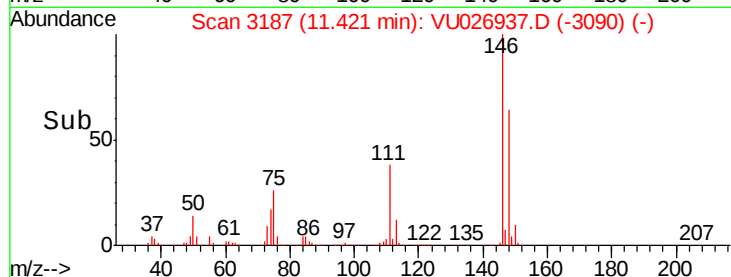
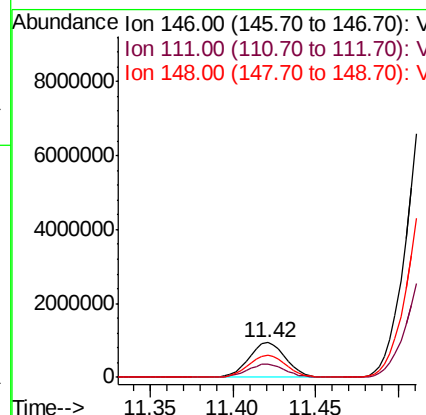
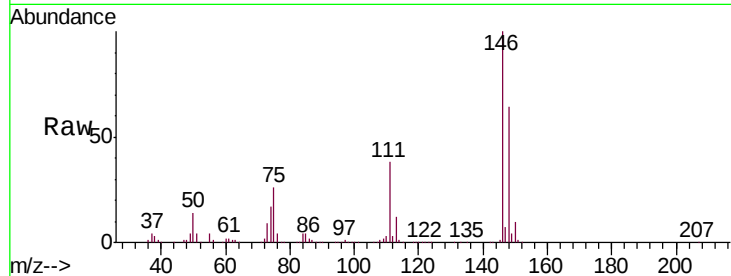




#63
 1,4-Dichlorobenzene
 Concen: 246.714 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. -0.09 min
 Lab File: VU026937.D
 Acq: 20 Sep 2018 14:39

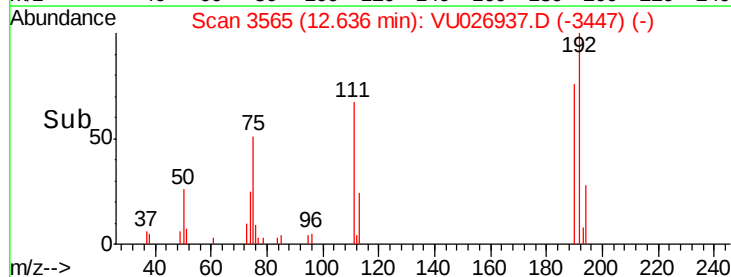
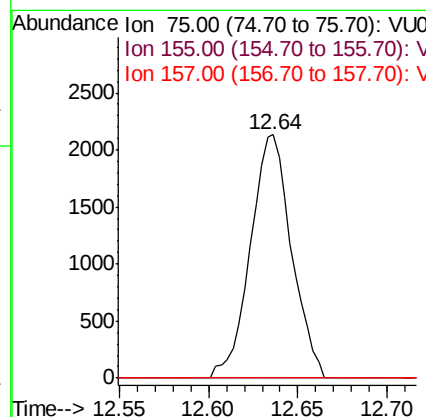
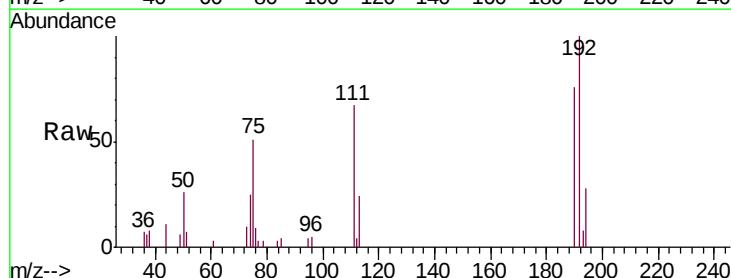
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K6

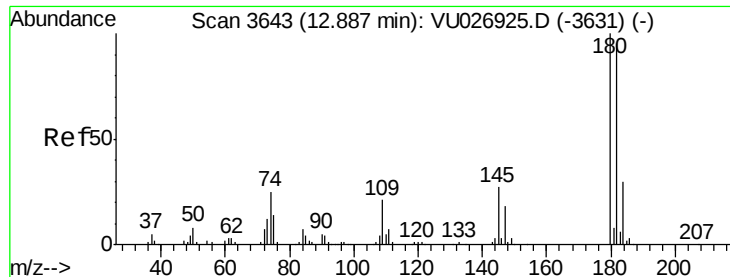
Tgt Ion:146 Resp: 1461472
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.0 48.2
 148 64.0 45.8 85.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.797 ug/L
 RT: 12.64 min Scan# 3565
 Delta R.T. -0.02 min
 Lab File: VU026937.D
 Acq: 20 Sep 2018 14:39

Tgt Ion: 75 Resp: 3431
 Ion Ratio Lower Upper
 75 100
 155 0.0 69.5 104.3#
 157 0.0 90.5 135.7#

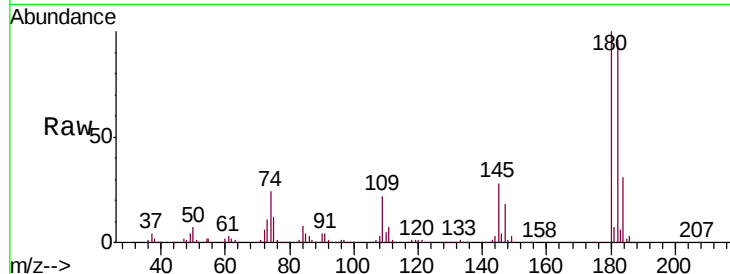




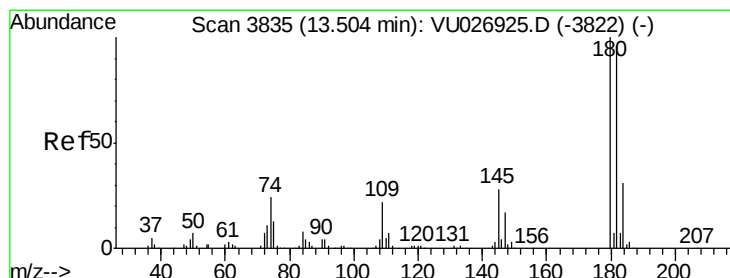
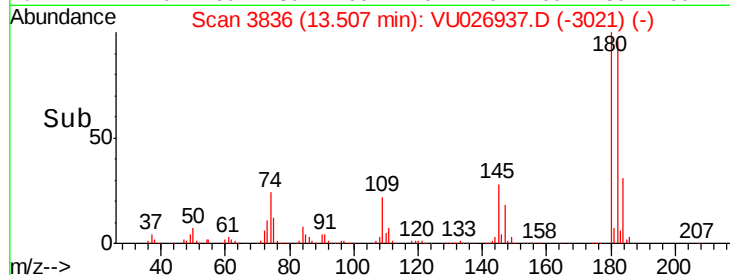
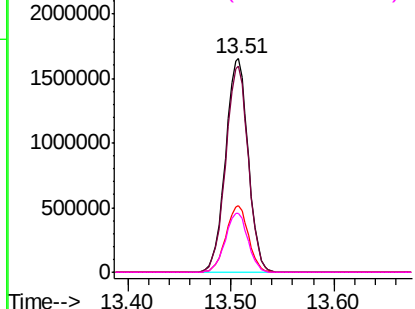
#67
 1,3,5-Trichlorobenzene
 Concen: 607.124 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU026937.D
 Acq: 20 Sep 2018 14:39

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K6

Tgt Ion:180 Resp: 2527455
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.7 115.1
 184 30.9 24.2 36.4
 145 27.8 21.8 32.6

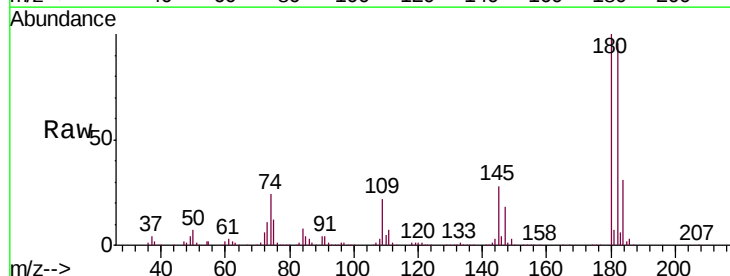


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

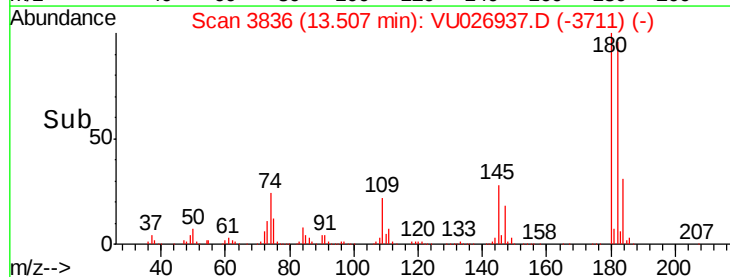
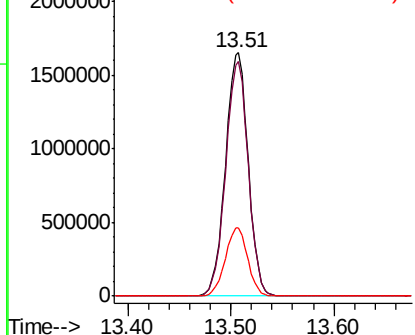


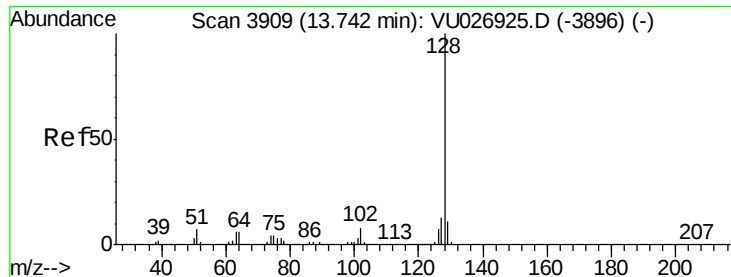
#68
 1,2,4-trichlorobenzene
 Concen: 704.536 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026937.D
 Acq: 20 Sep 2018 14:39

Tgt Ion:180 Resp: 2527455
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.8 115.2
 145 27.8 22.2 33.2



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





#69

Naphthalene

Concen: 0.482 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026937.D

Acq: 20 Sep 2018 14:39

Instrument :

MSVOA_U

ClientSampleId :

C08K6

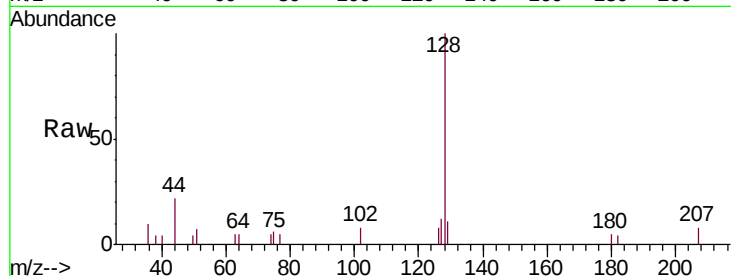
Tgt Ion:128 Resp: 5093

Ion Ratio Lower Upper

128 100

127 10.9 10.2 15.4

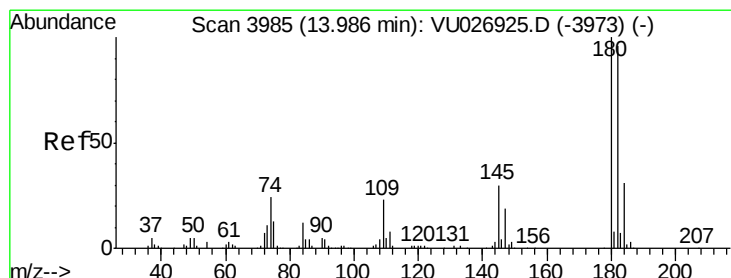
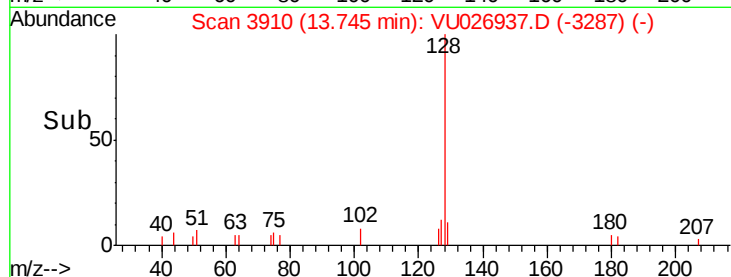
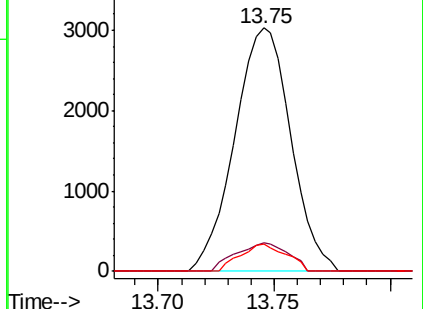
129 9.1 8.6 12.8



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: 114.704 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU026937.D

Acq: 20 Sep 2018 14:39

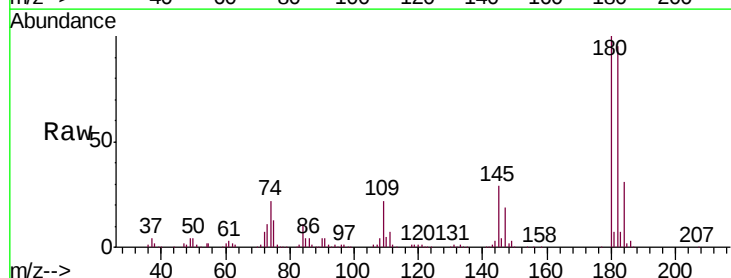
Tgt Ion:180 Resp: 453142

Ion Ratio Lower Upper

180 100

182 96.3 75.6 113.4

145 29.2 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

