

Data File : VU026939.D
Acq On : 20 Sep 2018 15:25
Operator : MD/SY
Sample : J4893-20
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08K8

Quant Time: Sep 21 04:26:34 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	291602	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	285638	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.50	152	180894	50.00	ug/L	0.01

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76297	35.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.74%
7) Chloroethane-d5	1.68	69	63816	34.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.12%#
11) 1,1-Dichloroethene-d2	2.27	63	105920	25.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.90%#
21) 2-Butanone-d5	4.18	46	108476	75.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	75.78%
24) Chloroform-d	4.65	84	133368	33.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.66%#
26) 1,2-Dichloroethane-d4	5.31	65	84804	33.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.32%#
32) Benzene-d6	5.35	84	276503	34.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.08%#
36) 1,2-Dichloropropane-d6	6.33	67	86300	33.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	66.92%#
41) Toluene-d8	7.57	98	244602	33.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.64%#
43) trans-1,3-Dichloropropene-	7.85	79	39178	34.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.04%
47) 2-Hexanone-d5	8.31	63	78859	77.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.79%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	119020	33.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	66.18%
64) 1,2-Dichlorobenzene-d4	11.89	152	134285	35.68	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.36%#

Target Compounds

					Qvalue
13) Acetone	2.32	43	5388	3.829	ug/L 98
25) Chloroform	4.67	83	28345	6.967	ug/L 99
27) 1,2-Dichloroethane	5.40	62	106394	33.510	ug/L # 72
29) Cyclohexane	5.00	56	3679	1.109	ug/L # 91
31) Carbon tetrachloride	5.14	117	21385	7.023	ug/L 97
33) Benzene	5.40	78	13134944	1483.191	ug/L 100
35) Methylcyclohexane	6.42	83	2853	0.824	ug/L # 76
37) 1,2-Dichloropropane	6.33	63	8987	3.694	ug/L # 86
39) cis-1,3-Dichloropropene	7.23	75	2108	0.613	ug/L # 45
46) Tetrachloroethene	8.23	164	1457	0.773	ug/L 95
62) 1,3-Dichlorobenzene	11.42	146	3168568	574.590	ug/L 99
63) 1,4-Dichlorobenzene	11.42	146	3168568	521.817	ug/L 98
66) 1,2-Dibromo-3-chloropropan	12.64	75	11518	12.434	ug/L # 3
68) 1,2,4-trichlorobenzene	13.51	180	5383872	1464.084	ug/L 99
70) 1,2,3-Trichlorobenzene	13.99	180	1237682	305.637	ug/L 99

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

Data File : VU026939.D
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Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

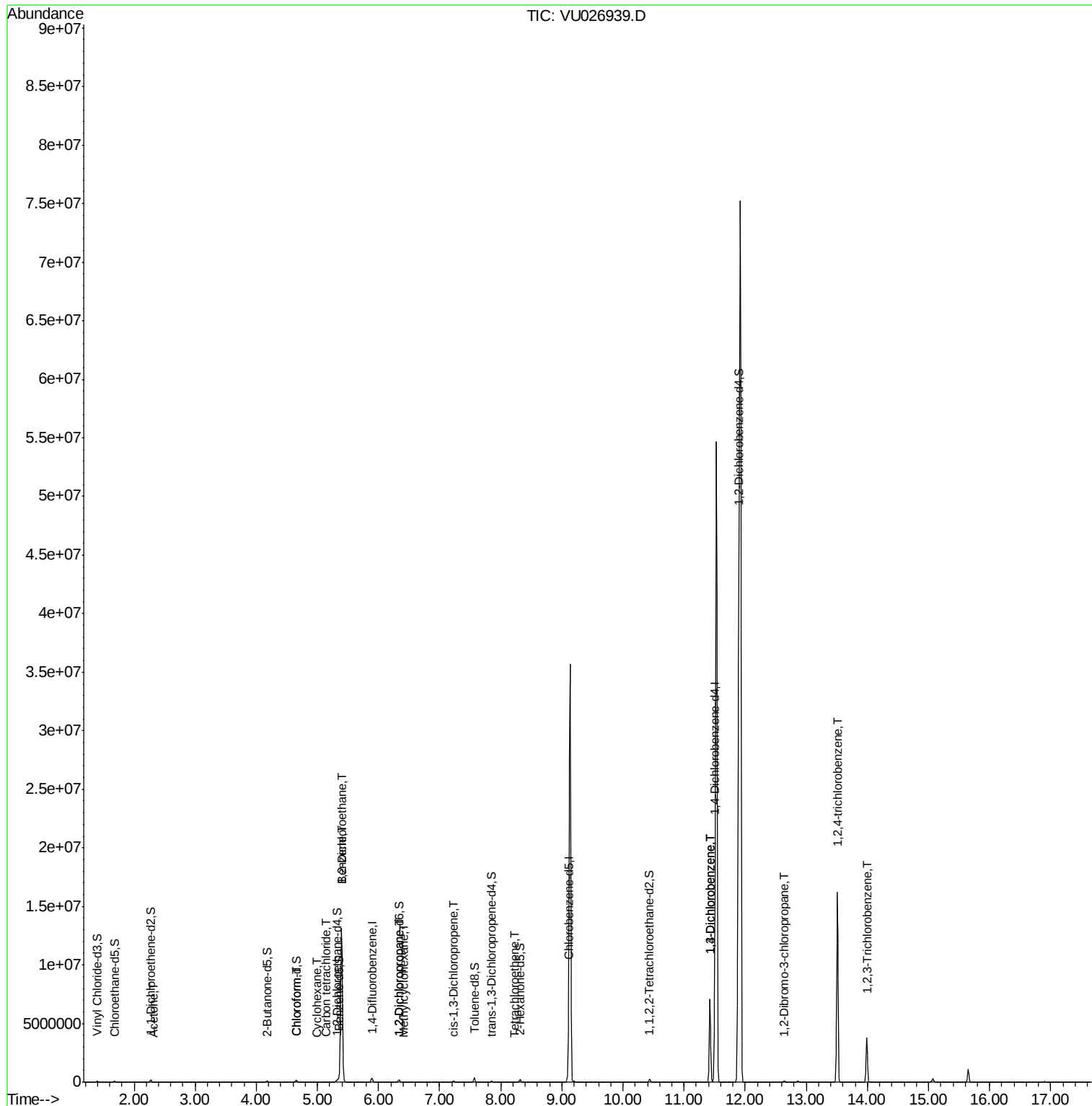
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

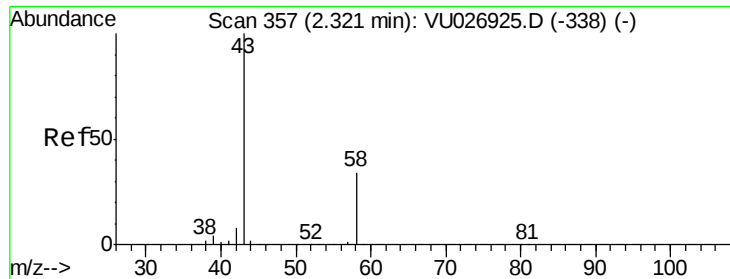
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#13

Acetone

Concen: 3.829 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026939.D

Acq: 20 Sep 2018 15:25

Instrument :

MSVOA_U

ClientSampleId :

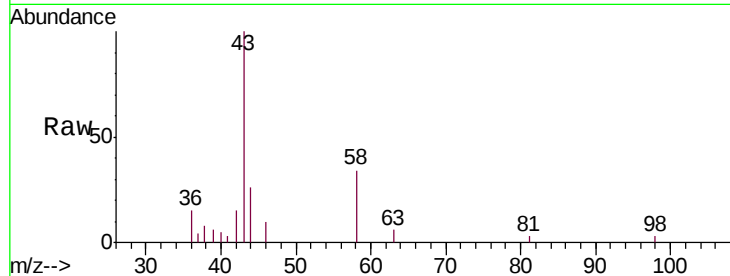
C08K8

Tgt Ion: 43 Resp: 5388

Ion Ratio Lower Upper

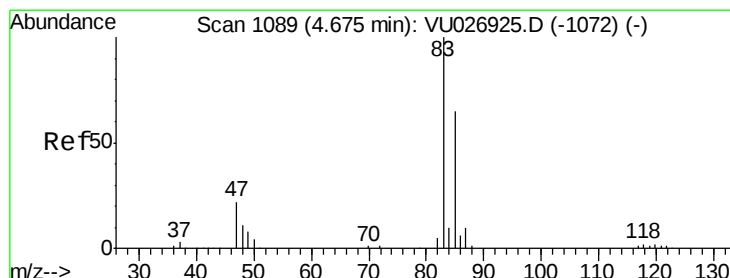
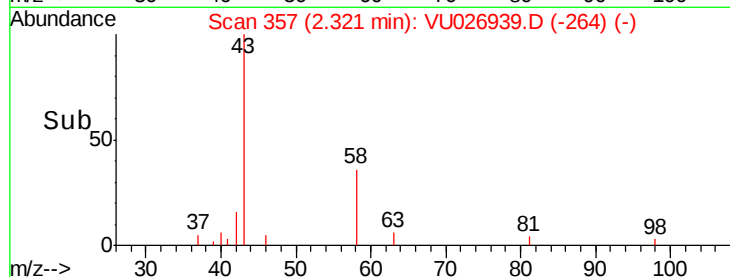
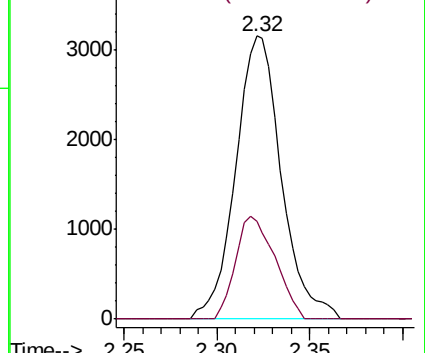
43 100

58 31.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

Chloroform

Concen: 6.967 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU026939.D

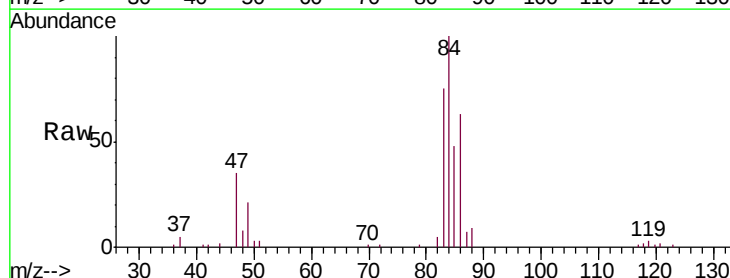
Acq: 20 Sep 2018 15:25

Tgt Ion: 83 Resp: 28345

Ion Ratio Lower Upper

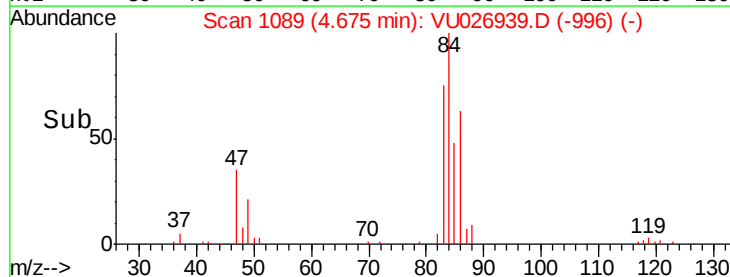
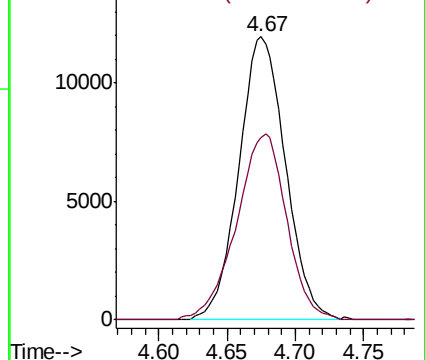
83 100

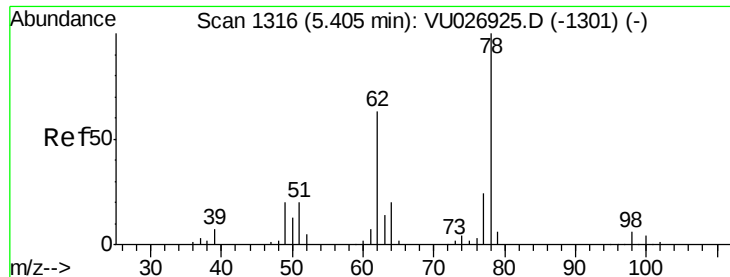
85 64.3 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

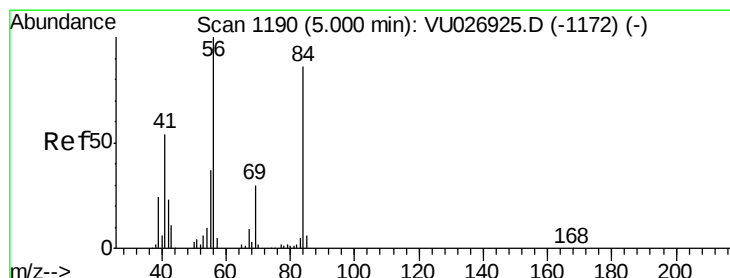
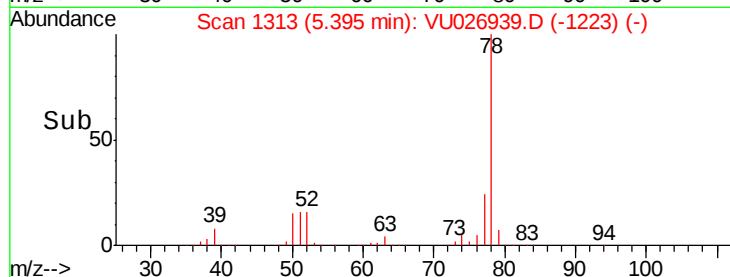
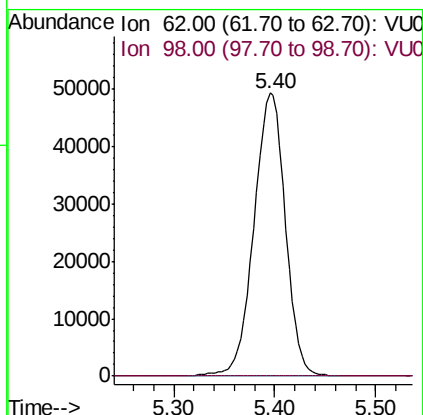
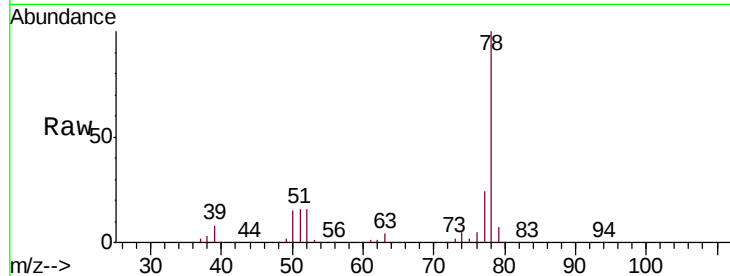




#27
 1,2-Dichloroethane
 Concen: 33.510 ug/L
 RT: 5.40 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: VU026939.D
 Acq: 20 Sep 2018 15:25

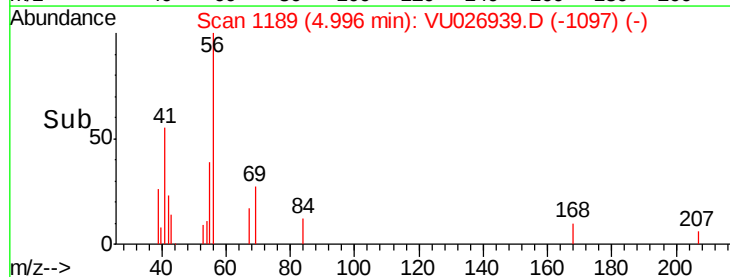
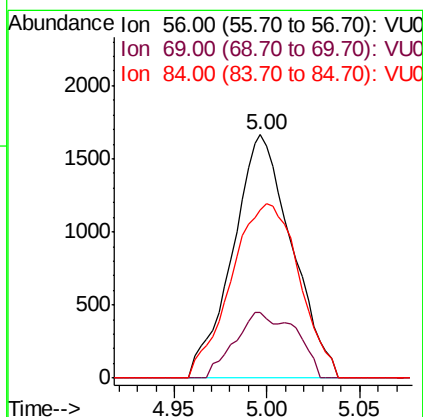
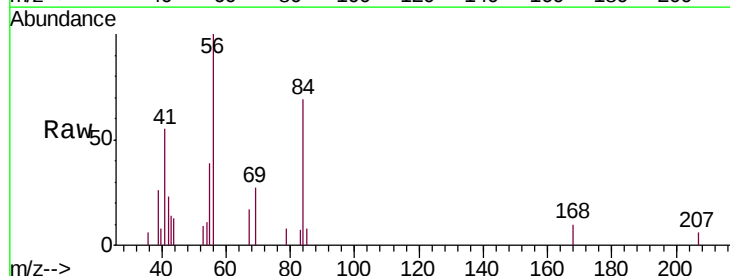
Instrument :
 MSVOA_U
 ClientSampled :
 C08K8

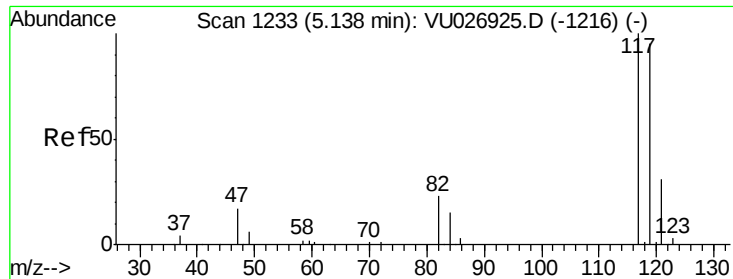
Tgt Ion: 62 Resp: 106394
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



#29
 Cyclohexane
 Concen: 1.109 ug/L
 RT: 5.00 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VU026939.D
 Acq: 20 Sep 2018 15:25

Tgt Ion: 56 Resp: 3679
 Ion Ratio Lower Upper
 56 100
 69 17.0 23.7 35.5#
 84 82.5 69.0 103.4





#31

Carbon tetrachloride

Concen: 7.023 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026939.D

Acq: 20 Sep 2018 15:25

Instrument :

MSVOA_U

ClientSampleId :

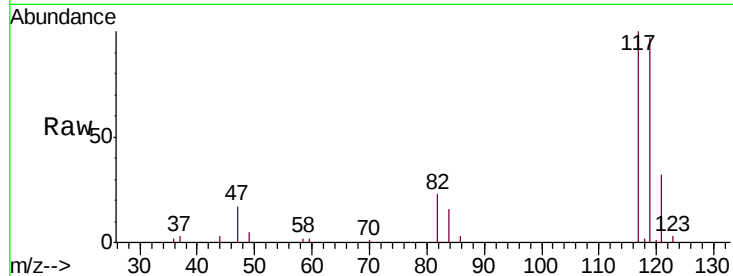
C08K8

Tgt Ion:117 Resp: 21385

Ion Ratio Lower Upper

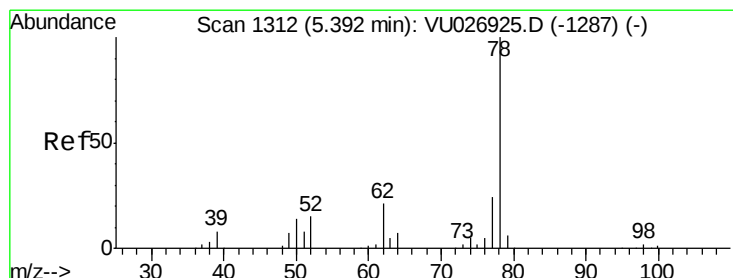
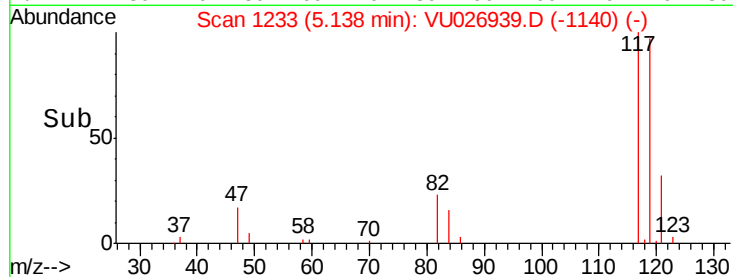
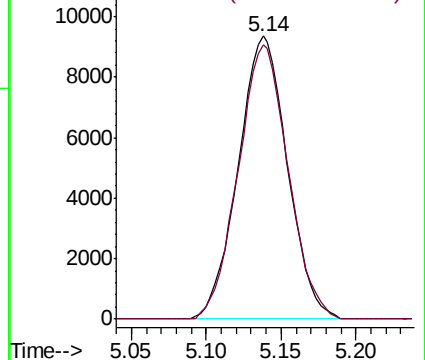
117 100

119 98.3 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: 1483.191 ug/L

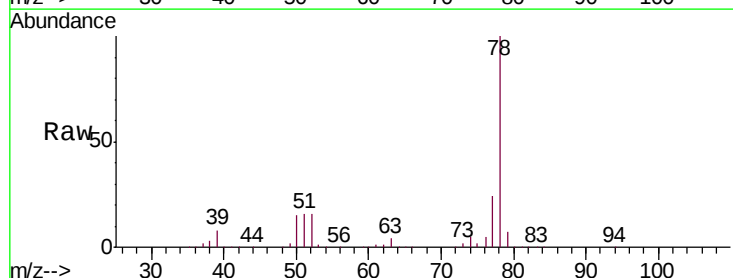
RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

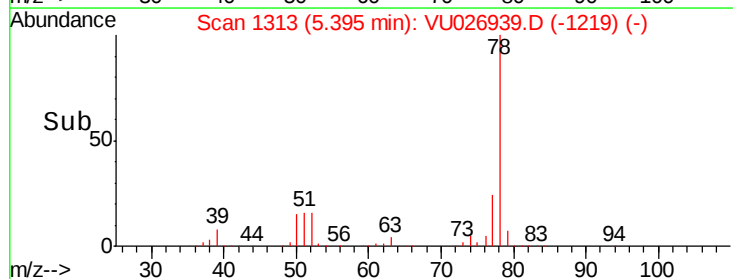
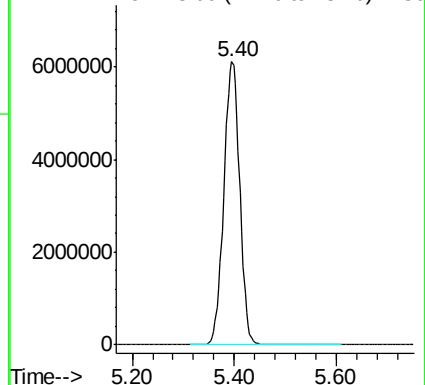
Lab File: VU026939.D

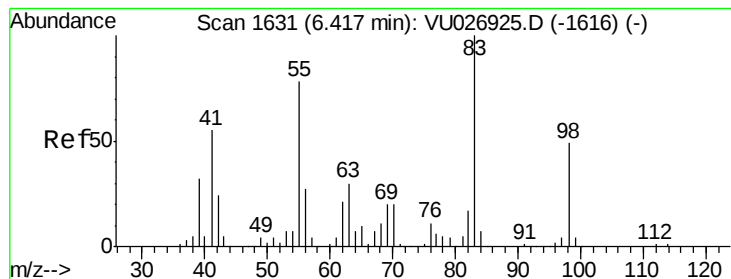
Acq: 20 Sep 2018 15:25

Tgt Ion: 78 Resp:13134944



Abundance Ion 78.00 (77.70 to 78.70): VU0





#35

Methylcyclohexane

Concen: 0.824 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU026939.D

Acq: 20 Sep 2018 15:25

Instrument :

MSVOA_U

ClientSampleId :

C08K8

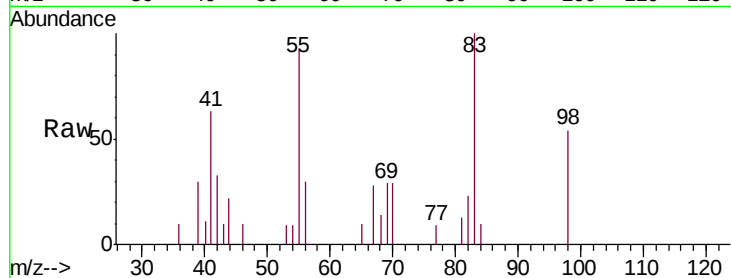
Tgt Ion: 83 Resp: 2853

Ion Ratio Lower Upper

83 100

55 109.0 61.7 92.5#

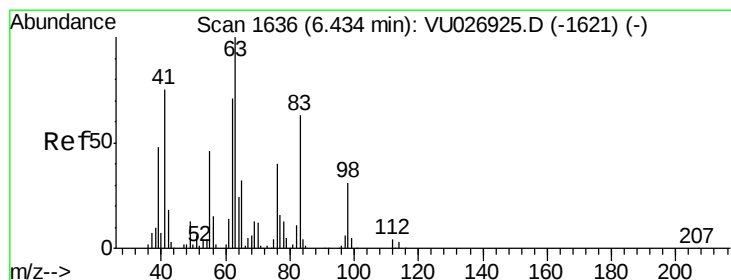
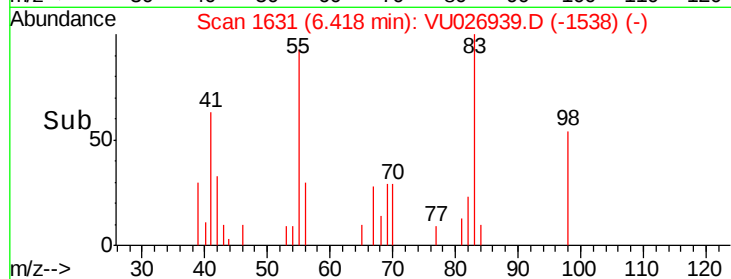
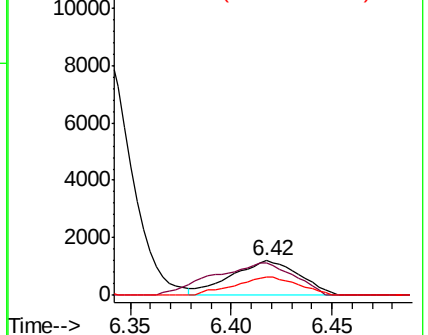
98 49.2 38.3 57.5



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



#37

1,2-Dichloropropane

Concen: 3.694 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026939.D

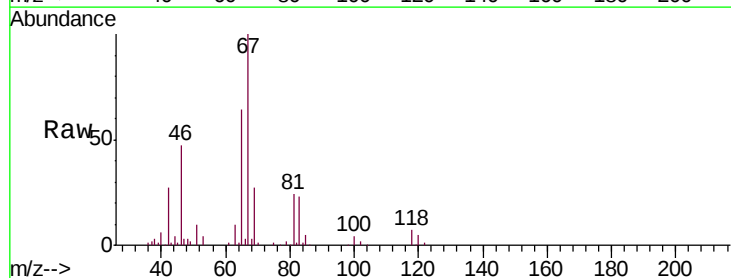
Acq: 20 Sep 2018 15:25

Tgt Ion: 63 Resp: 8987

Ion Ratio Lower Upper

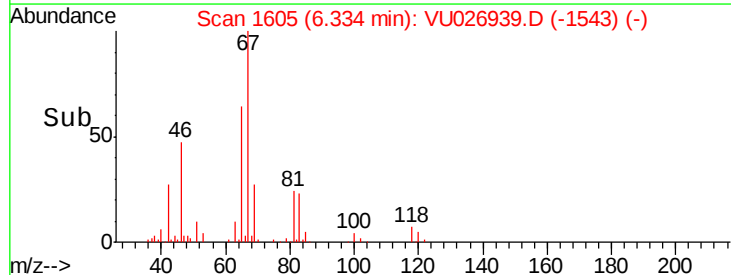
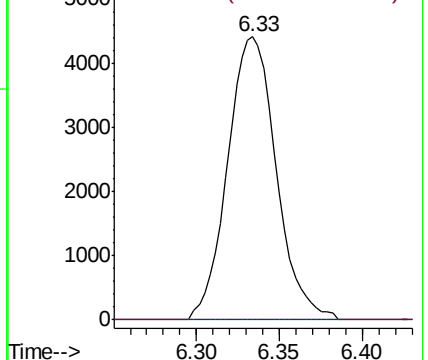
63 100

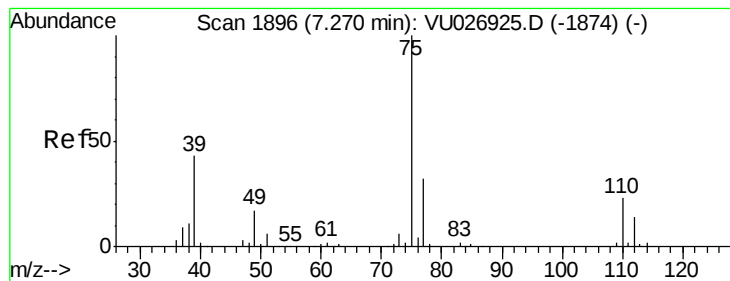
112 0.0 3.7 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



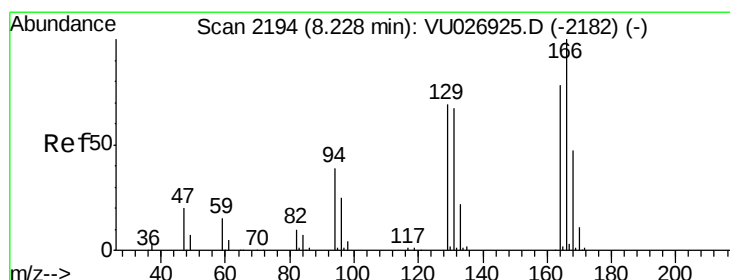
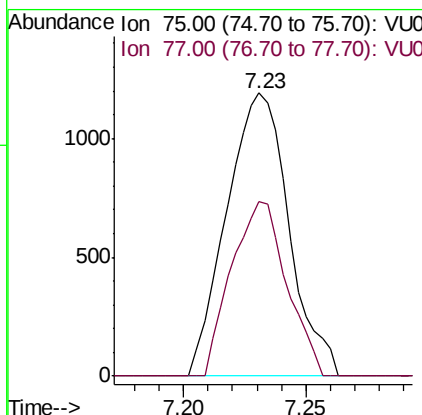
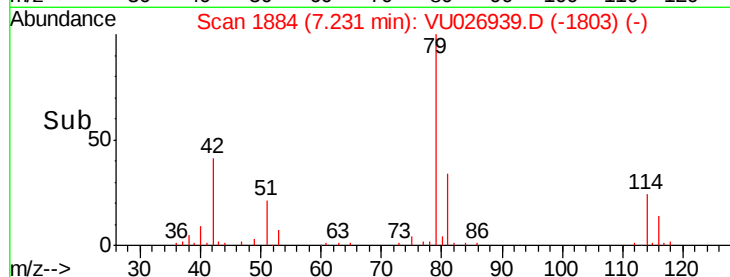
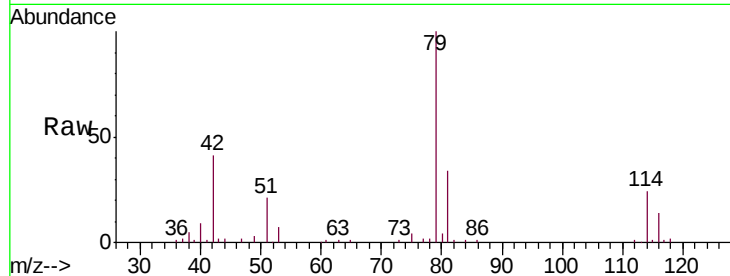


#39

cis-1,3-Dichloropropene
Concen: 0.613 ug/L
RT: 7.23 min Scan# 1884
Delta R.T. -0.04 min
Lab File: VU026939.D
Acq: 20 Sep 2018 15:25

Instrument :
MSVOA_U
ClientSampled :
C08K8

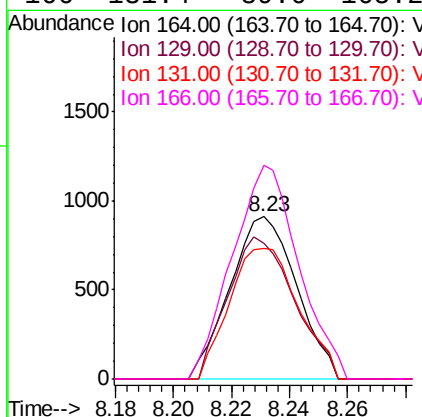
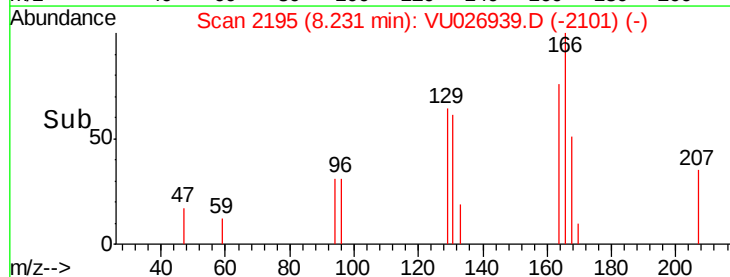
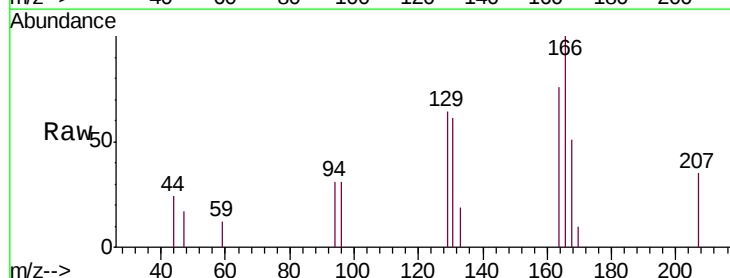
Tgt Ion: 75 Resp: 2108
Ion Ratio Lower Upper
75 100
77 61.9 22.1 41.1#

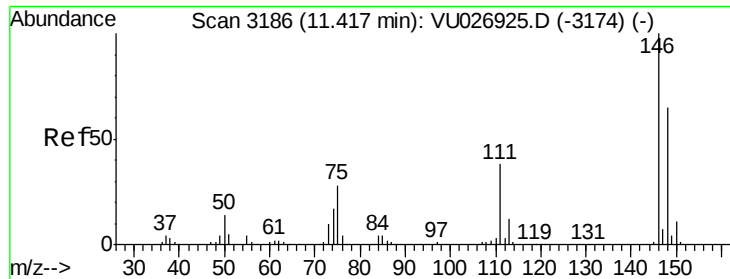


#46

Tetrachloroethene
Concen: 0.773 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU026939.D
Acq: 20 Sep 2018 15:25

Tgt Ion: 164 Resp: 1457
Ion Ratio Lower Upper
164 100
129 83.9 62.2 115.4
131 80.4 60.5 112.5
166 131.4 89.0 165.2





#62

1,3-Dichlorobenzene

Concen: 574.590 ug/L

RT: 11.42 min Scan# 3188

Delta R.T. 0.01 min

Lab File: VU026939.D

Acq: 20 Sep 2018 15:25

Instrument :

MSVOA_U

ClientSampleId :

C08K8

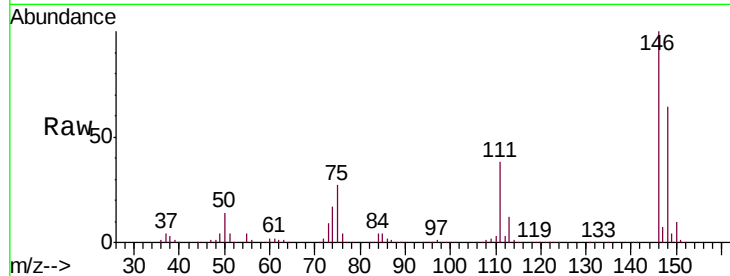
Tgt Ion:146 Resp: 3168568

Ion Ratio Lower Upper

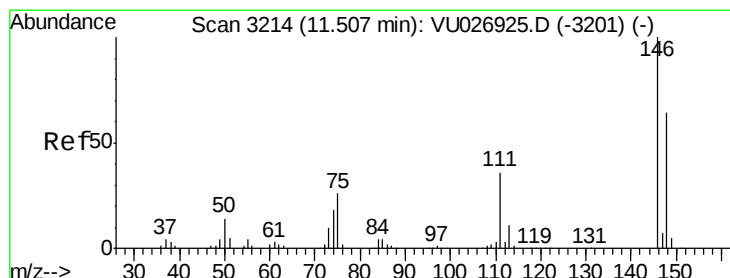
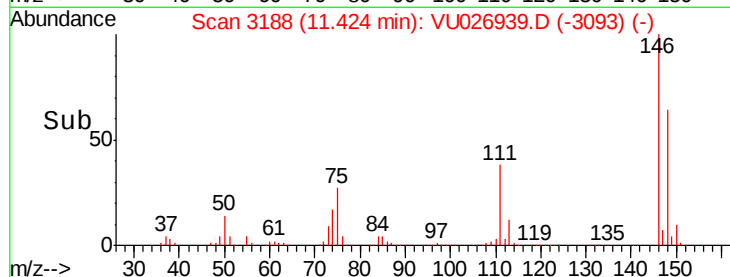
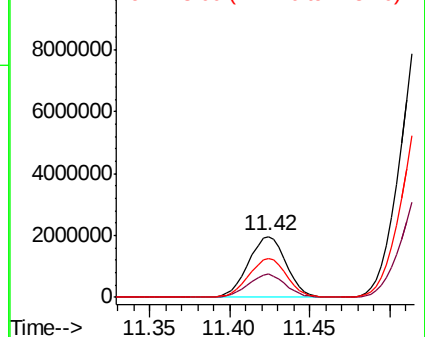
146 100

111 37.6 26.7 49.7

148 63.9 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: 521.817 ug/L

RT: 11.42 min Scan# 3188

Delta R.T. -0.08 min

Lab File: VU026939.D

Acq: 20 Sep 2018 15:25

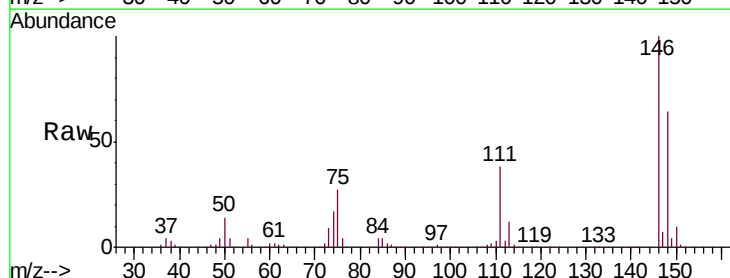
Tgt Ion:146 Resp: 3168568

Ion Ratio Lower Upper

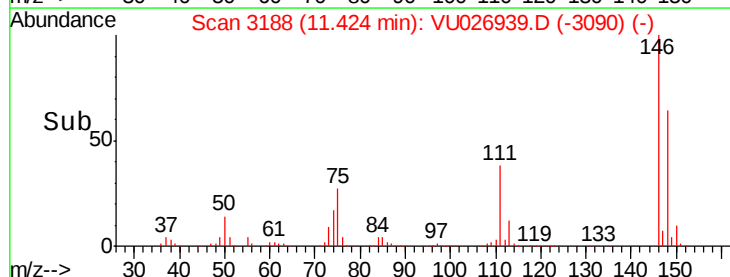
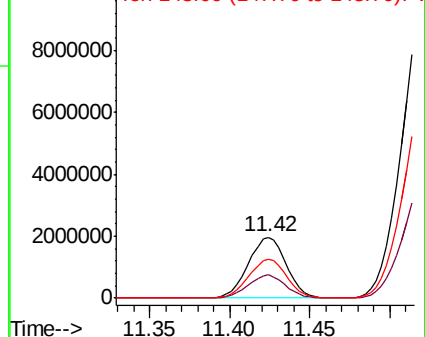
146 100

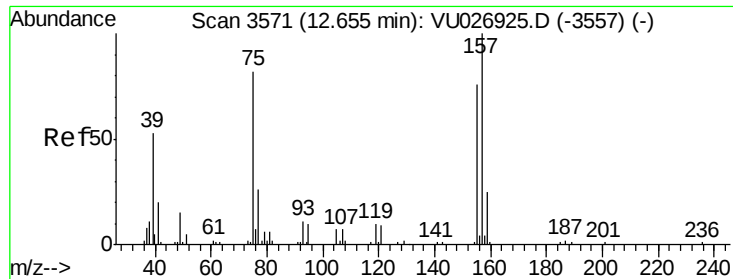
111 37.6 26.0 48.2

148 63.9 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

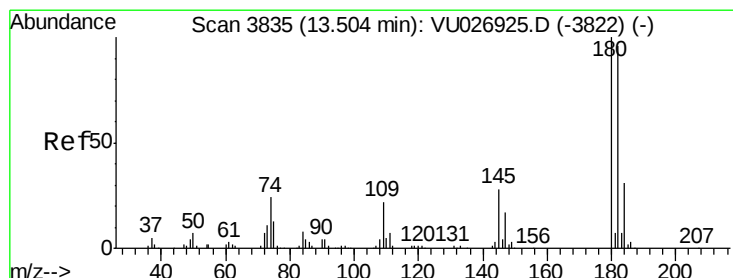
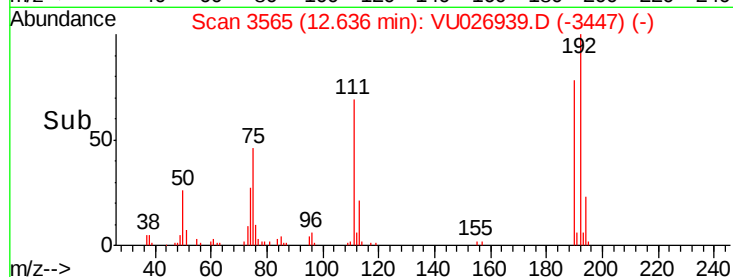
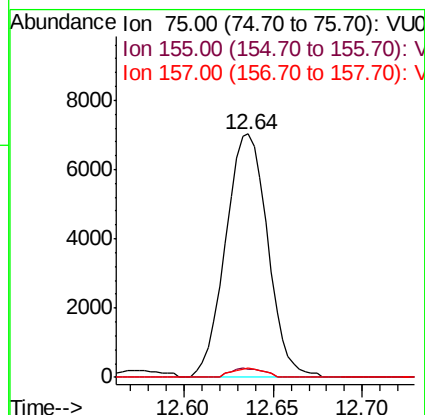
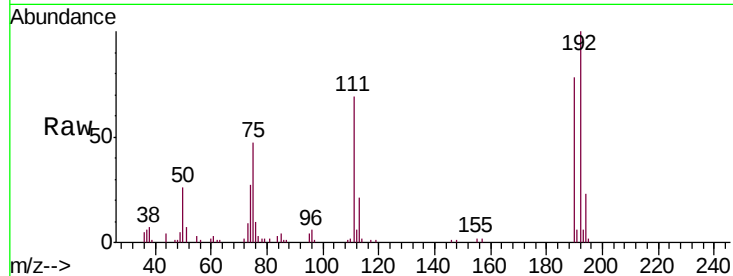




#66
 1,2-Dibromo-3-chloropropane
 Concen: 12.434 ug/L
 RT: 12.64 min Scan# 3565
 Delta R.T. -0.02 min
 Lab File: VU026939.D
 Acq: 20 Sep 2018 15:25

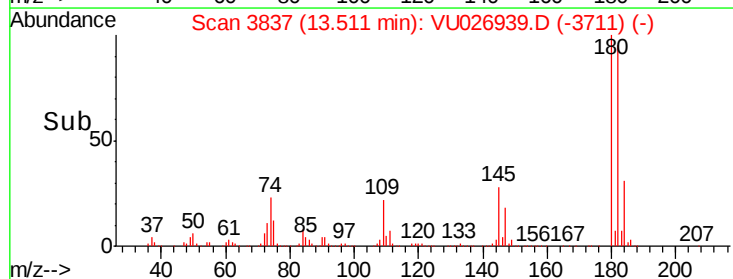
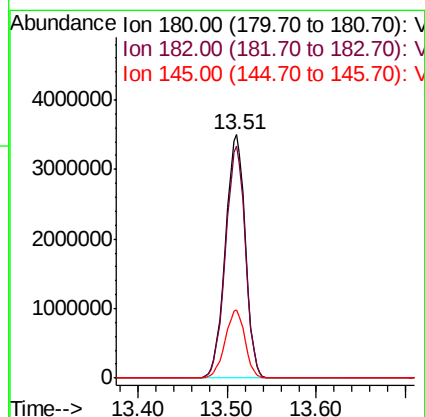
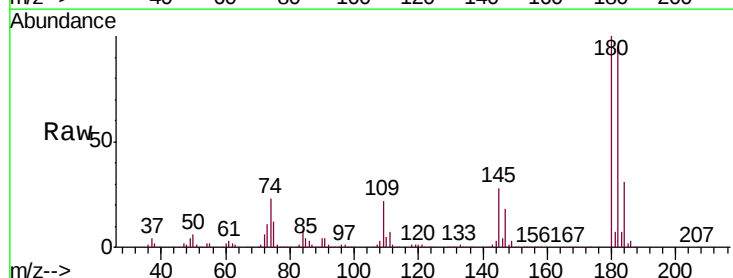
Instrument :
 MSVOA_U
 ClientSampleId :
 C08K8

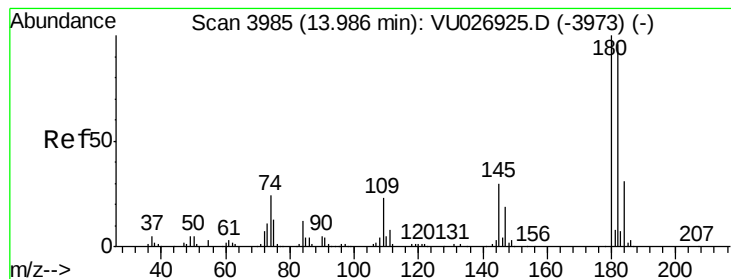
Tgt Ion: 75 Resp: 11518
 Ion Ratio Lower Upper
 75 100
 155 3.6 69.5 104.3#
 157 3.6 90.5 135.7#



#68
 1,2,4-trichlorobenzene
 Concen: 1464.084 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU026939.D
 Acq: 20 Sep 2018 15:25

Tgt Ion: 180 Resp: 5383872
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.8 115.2
 145 27.8 22.2 33.2





#70

1,2,3-Trichlorobenzene

Concen: 305.637 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026939.D

Acq: 20 Sep 2018 15:25

Instrument :

MSVOA_U

ClientSampleId :

C08K8

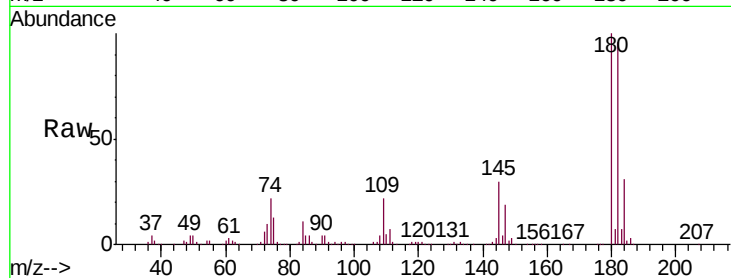
Tgt Ion:180 Resp: 1237682

Ion Ratio Lower Upper

180 100

182 95.6 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

