

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
 Data File : VU032522.D
 Acq On : 07 Jun 2019 01:44
 Operator : JC/SP
 Sample : K3215-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8J5

Quant Time: Jun 07 07:21:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 07:01:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	191999	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	180020	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89790	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	36290	29.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	58.26%#
7) Chloroethane-d5	1.68	69	35287	35.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.50%
11) 1,1-Dichloroethene-d2	2.27	63	59475	24.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	48.78%#
21) 2-Butanone-d5	4.17	46	107404	103.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.03%
24) Chloroform-d	4.64	84	99425	42.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.31	65	67969	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.88%
32) Benzene-d6	5.33	84	197835	42.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.66%
36) 1,2-Dichloropropane-d6	6.32	67	66304	45.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.50%
41) Toluene-d8	7.56	98	180999	40.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.70%
43) trans-1,3-Dichloropropene-	7.85	79	29811	42.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.02%
47) 2-Hexanone-d5	8.31	63	73545	103.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.46%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	103239	48.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	83872	48.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.54%

Target Compounds

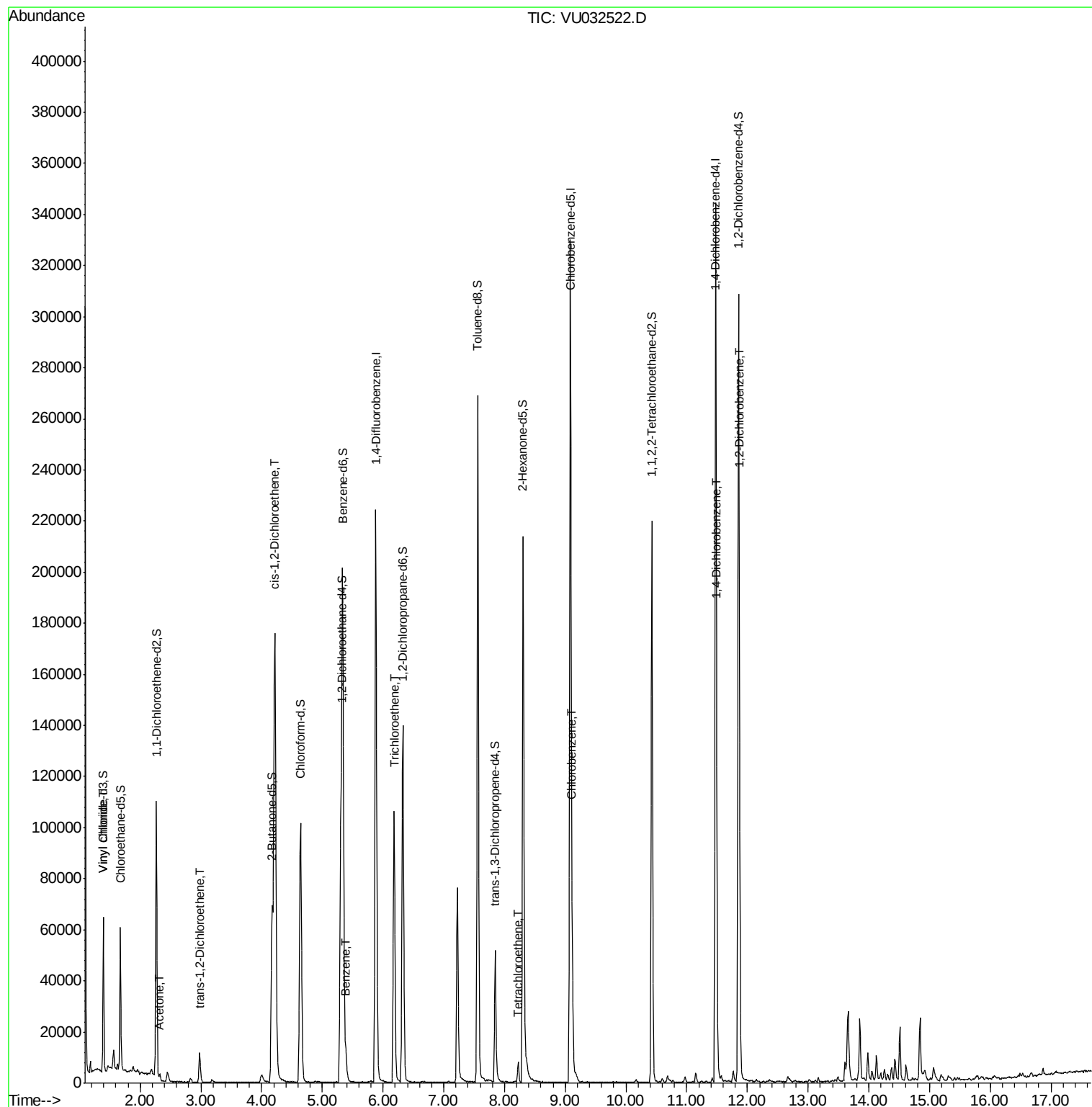
					Ovalue
5) Vinyl chloride	1.40	62	2933	1.755 ug/L #	60
13) Acetone	2.32	43	1999	1.858 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	4501	3.646 ug/L	93
20) cis-1,2-Dichloroethene	4.22	96	96456	69.036 ug/L	97
33) Benzene	5.39	78	11604	2.294 ug/L	100
34) Trichloroethene	6.18	95	36223	26.323 ug/L	97
46) Tetrachloroethene	8.22	164	1993	1.754 ug/L	87
51) Chlorobenzene	9.12	112	29565	8.284 ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	6100	2.196 ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	11275	4.105 ug/L	98

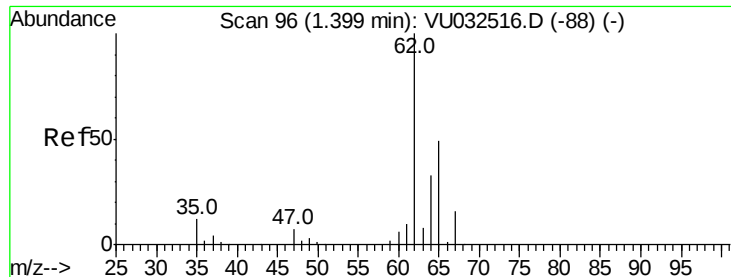
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 07 07:01:53 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.755 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU032522.D

Acq: 07 Jun 2019 01:44

Instrument :

MSVOA_U

ClientSampled :

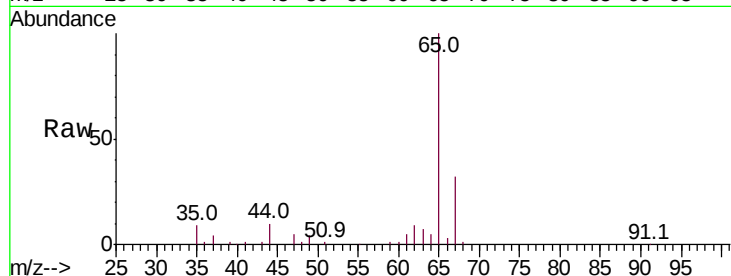
DB8J5

Tot Ion: 62 Resp: 2933

Ion Ratio Lower Upper

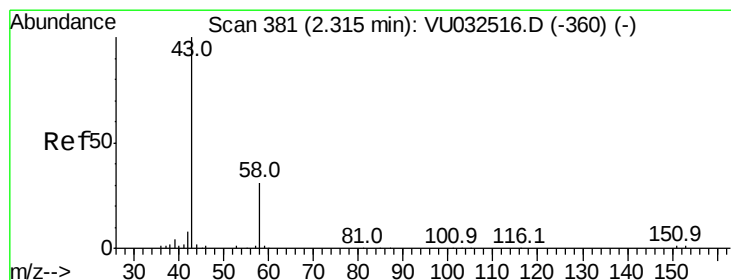
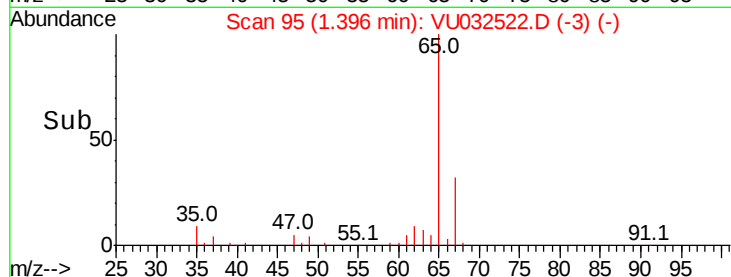
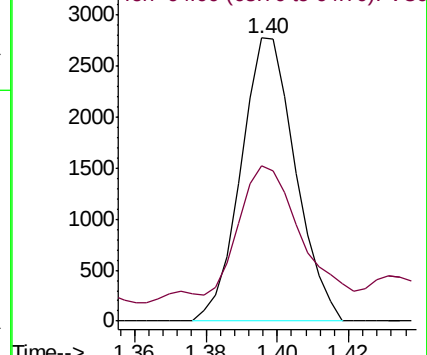
62 100

64 54.7 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#13

Acetone

Concen: 1.858 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032522.D

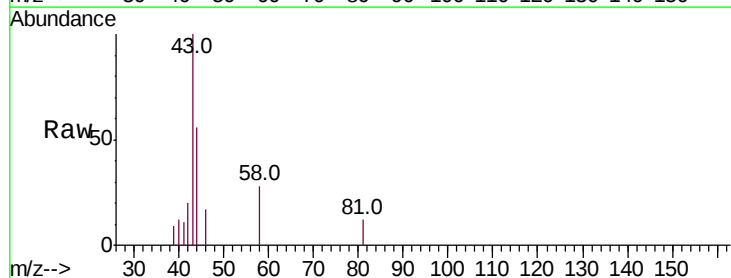
Acq: 07 Jun 2019 01:44

Tgt Ion: 43 Resp: 1999

Ion Ratio Lower Upper

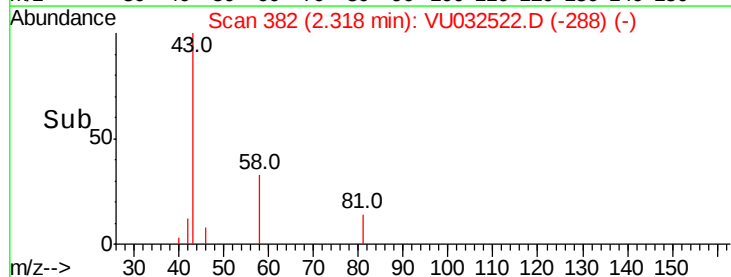
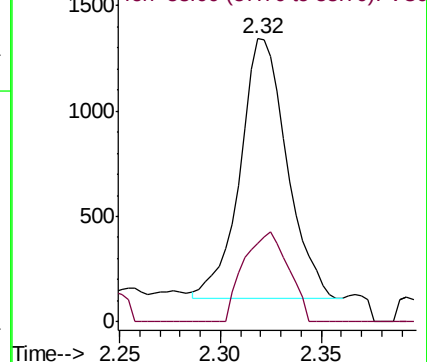
43 100

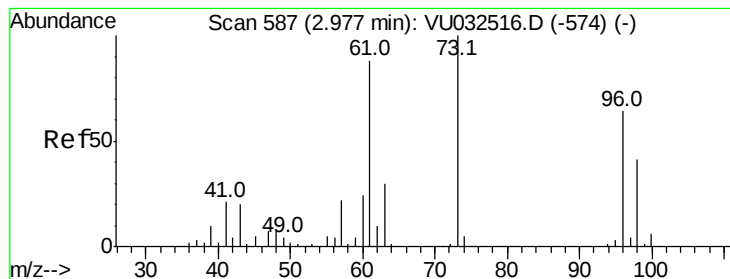
58 33.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 3.646 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032522.D

Acq: 07 Jun 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

DB8J5

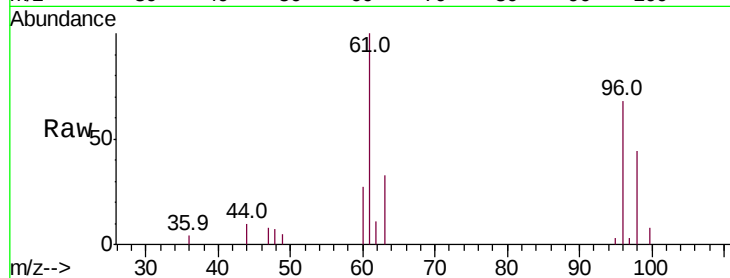
Tot Ion: 96 Resp: 4501

Ion Ratio Lower Upper

96 100

61 146.5 95.7 177.7

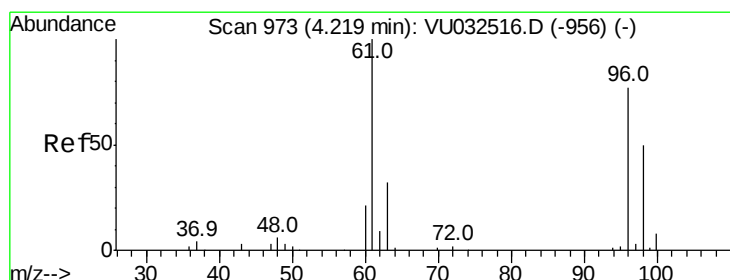
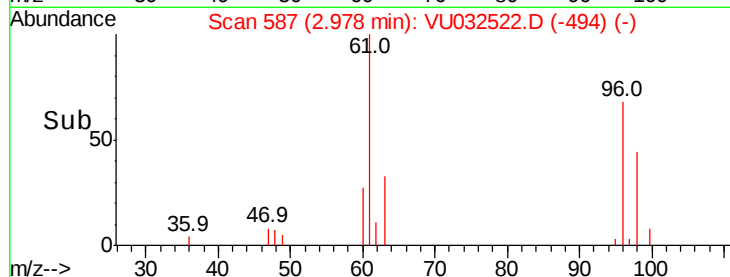
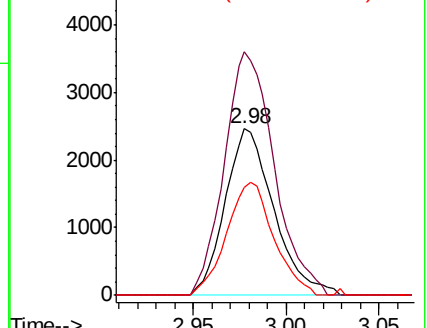
98 65.1 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032516.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU032516.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU032516.D (-574) (-)



#20

cis-1,2-Dichloroethene

Concen: 69.036 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032522.D

Acq: 07 Jun 2019 01:44

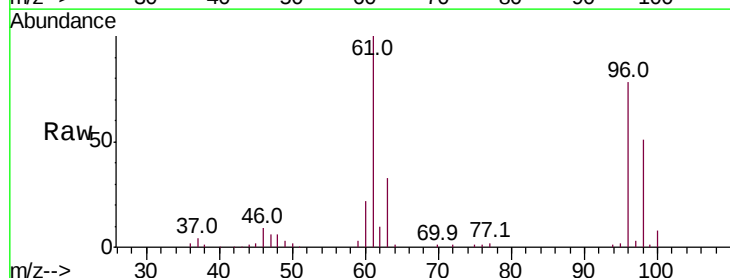
Tgt Ion: 96 Resp: 96456

Ion Ratio Lower Upper

96 100

61 127.9 87.2 162.0

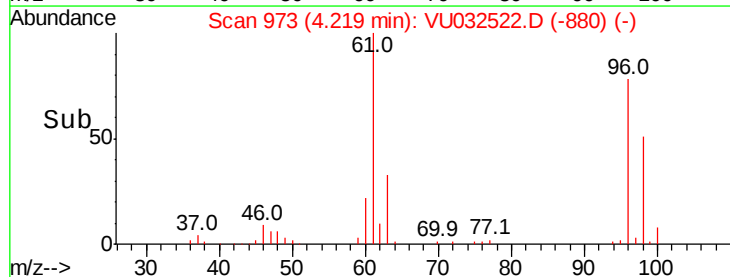
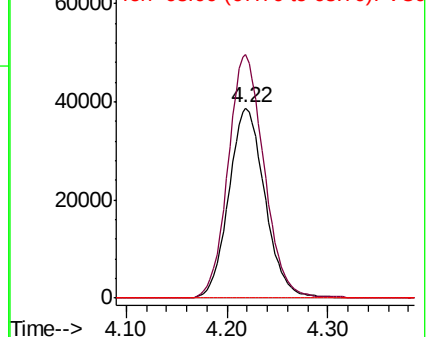
68 0.0 0.0 0.0

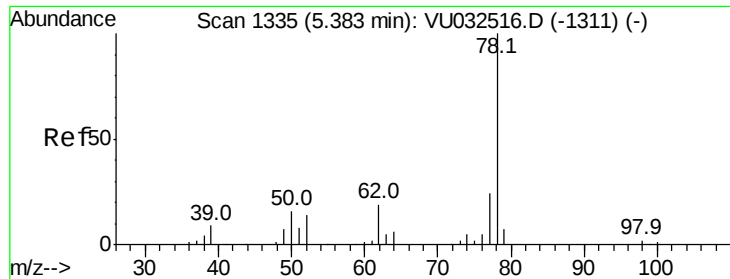


Abundance Ion 96.00 (95.70 to 96.70): VU032516.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU032516.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU032516.D (-956) (-)





#33

Benzene

Concen: 2.294 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU032522.D

Acq: 07 Jun 2019 01:44

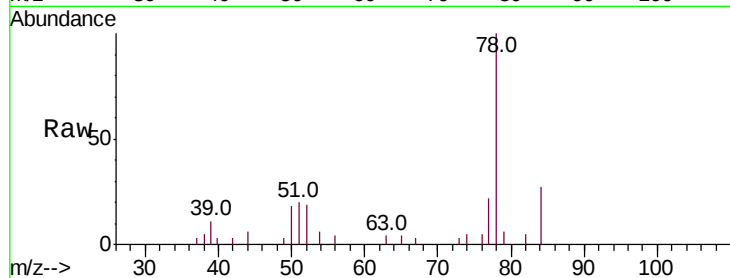
Instrument :

MSVOA_U

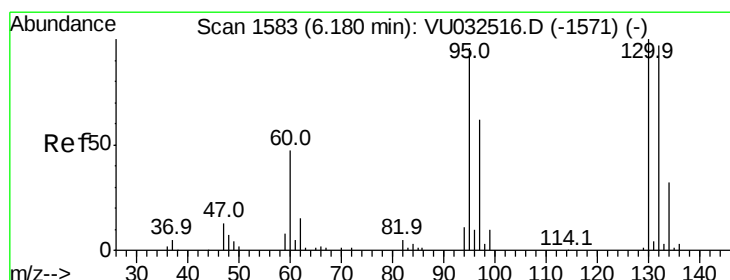
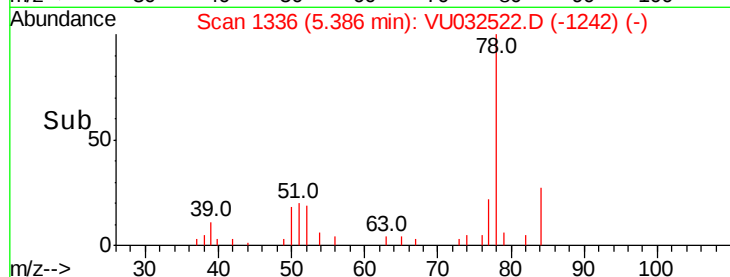
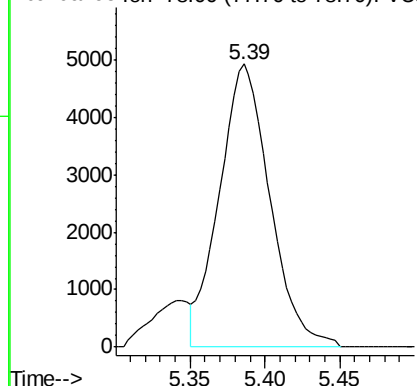
ClientSampled :

DB8J5

Tgt Ion: 78 Resp: 11604



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 26.323 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032522.D

Acq: 07 Jun 2019 01:44

Tgt Ion: 95 Resp: 36223

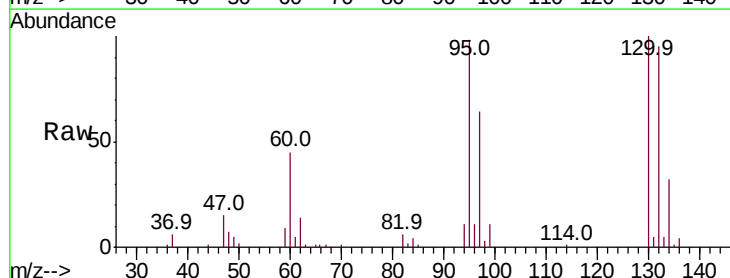
Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.8	85.2
132	97.0	71.0	131.8
130	102.0	73.4	136.2

95 100

97 65.0 45.8 85.2

132 97.0 71.0 131.8

130 102.0 73.4 136.2

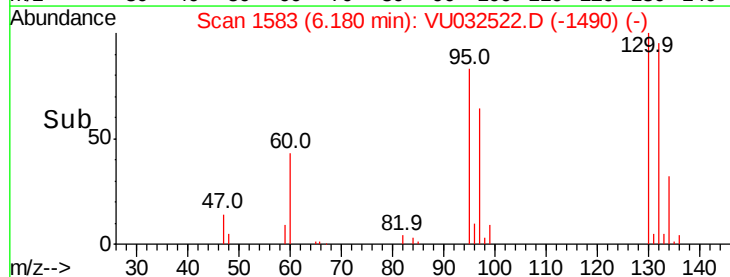
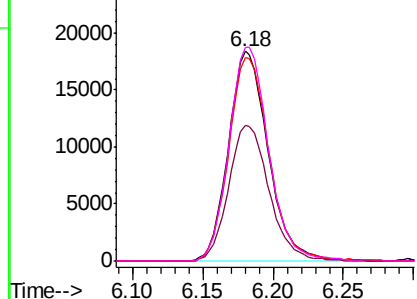


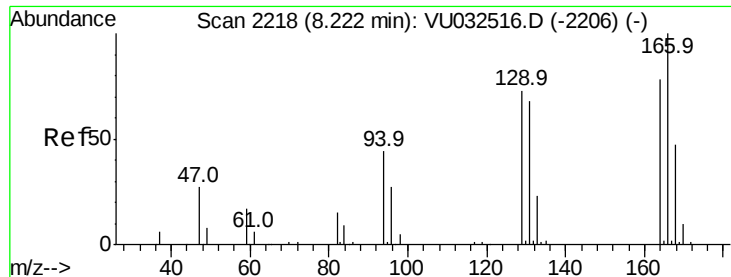
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

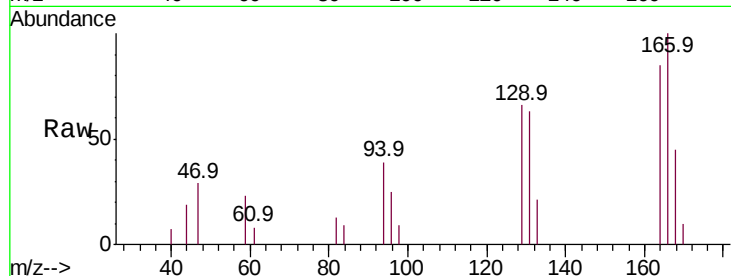




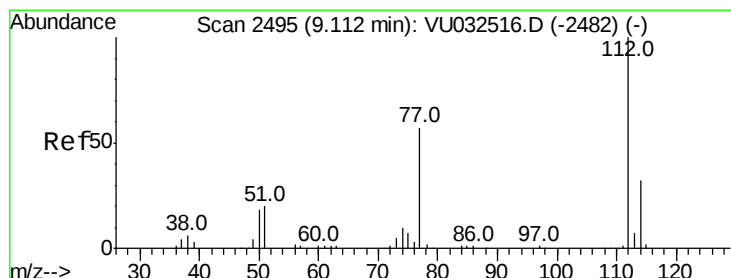
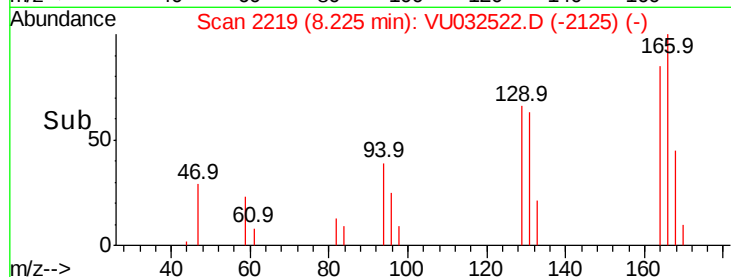
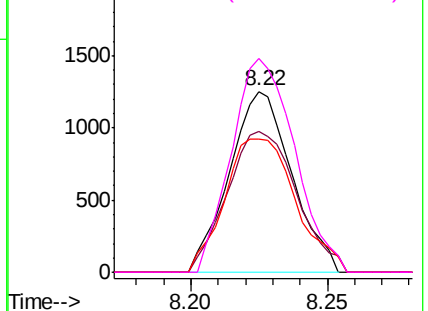
#46
Tetrachloroethene
Concen: 1.754 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032522.D
Acq: 07 Jun 2019 01:44

Instrument :
MSVOA_U
ClientSampleId :
DB8J5

Tot Ion:164 Resp: 1993
Ion Ratio Lower Upper
164 100
129 78.3 65.3 121.3
131 74.0 64.0 119.0
166 118.2 88.8 165.0

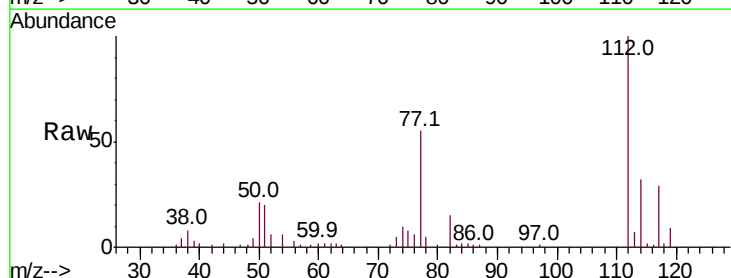


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

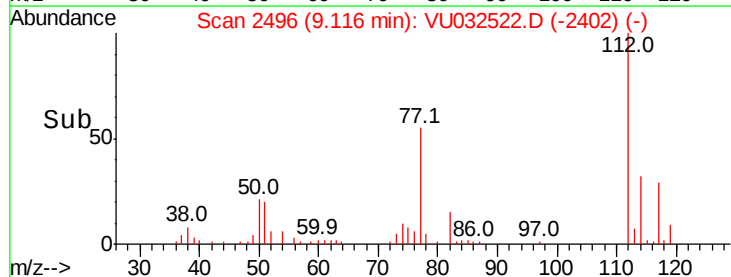
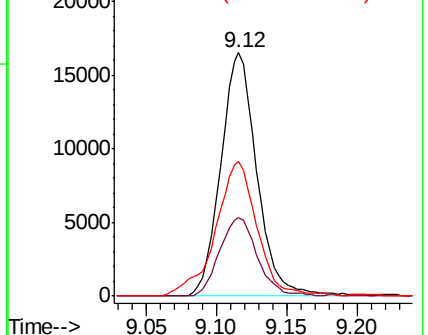


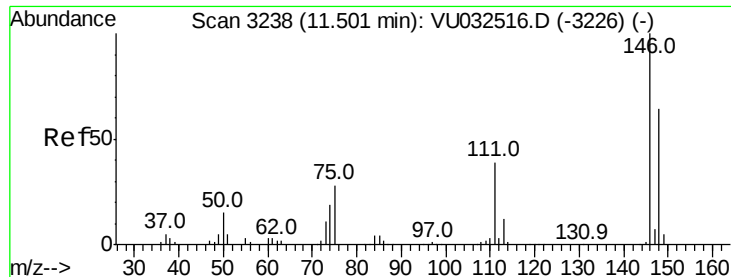
#51
Chlorobenzene
Concen: 8.284 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032522.D
Acq: 07 Jun 2019 01:44

Tgt Ion:112 Resp: 29565
Ion Ratio Lower Upper
112 100
114 32.4 22.6 42.0
77 55.3 46.1 69.1



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#63

1,4-Dichlorobenzene

Concen: 2.196 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032522.D

Acq: 07 Jun 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

DB8J5

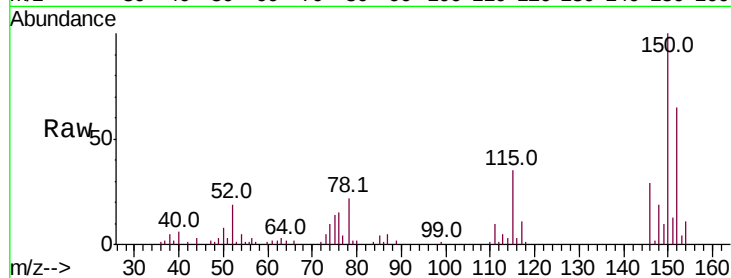
Tot Ion:146 Resp: 6100

Ion Ratio Lower Upper

146 100

111 35.3 26.6 49.4

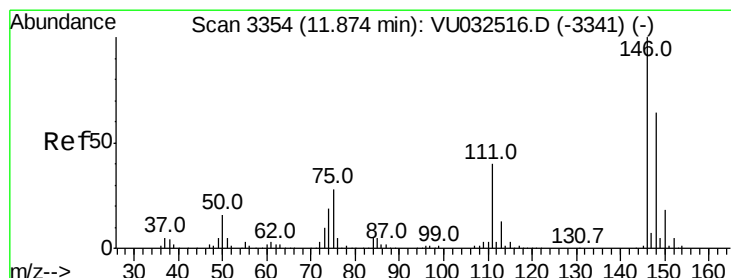
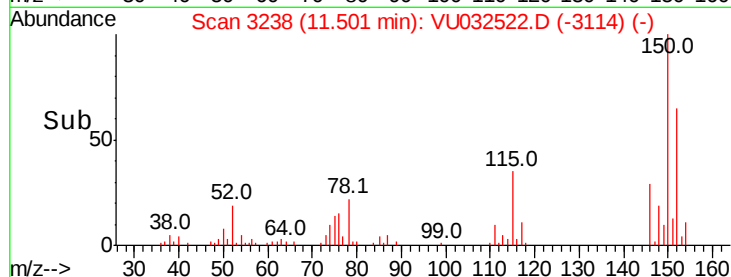
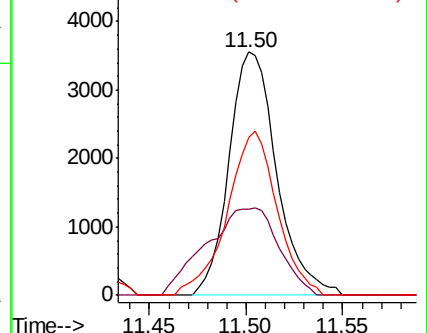
148 64.8 44.9 83.5



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



#65

1,2-Dichlorobenzene

Concen: 4.105 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032522.D

Acq: 07 Jun 2019 01:44

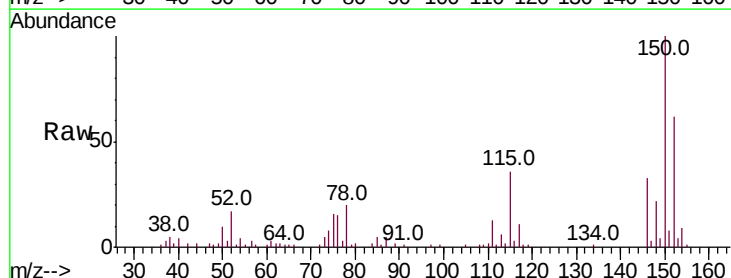
Tgt Ion:146 Resp: 11275

Ion Ratio Lower Upper

146 100

111 40.5 32.6 48.8

148 65.7 50.5 75.7



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

