

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 07:05:25 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

					Qvalue
5) Vinyl chloride	1.40	62	2933	1.755 ug/L #	60
12) 1,1-Dichloroethene	2.27	96	894	0.785 ug/L #	1
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
27) 1,2-Dichloroethane	5.33	62	1267	0.690 ug/L #	75
33) Benzene	5.39	78	11604	2.294 ug/L	100
34) Trichloroethene	6.18	95	36223	26.323 ug/L	97
37) 1,2-Dichloropropane	6.33	63	7578	5.652 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2050	0.969 ug/L #	67
44) trans-1,3-Dichloropropene	7.85	75	1278	0.681 ug/L #	68
46) Tetrachloroethene	8.22	164	1993	1.754 ug/L	87
48) 2-Hexanone	8.31	43	8693	4.907 ug/L #	68
49) Dibromochloromethane	8.22	129	1725	1.170 ug/L #	11
51) Chlorobenzene	9.12	112	29565	8.284 ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	12214	7.007 ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	6100	2.196 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Jun 07 07:01:53 2019
Response via : Initial Calibration

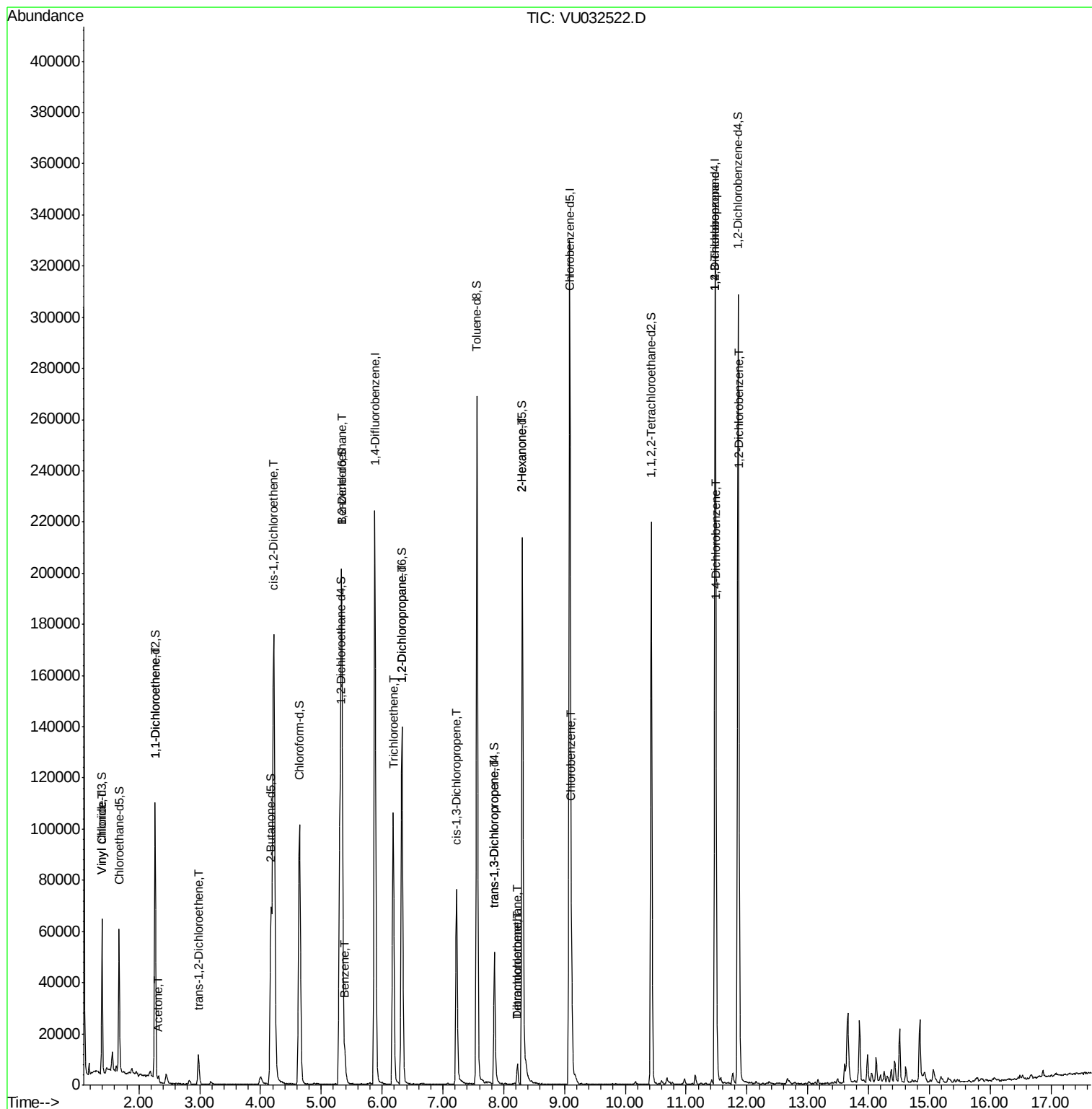
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.87	146	11275	4.105	ug/L	98

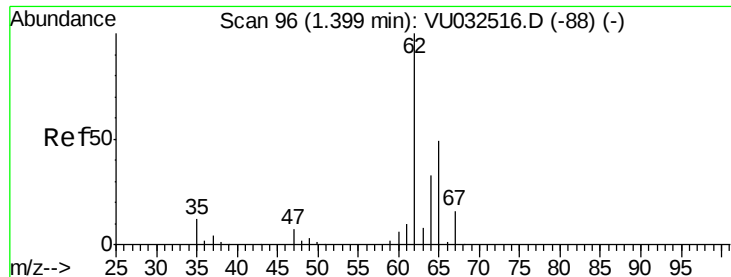
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 07 07:05:25 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





#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

ClientSampleId :

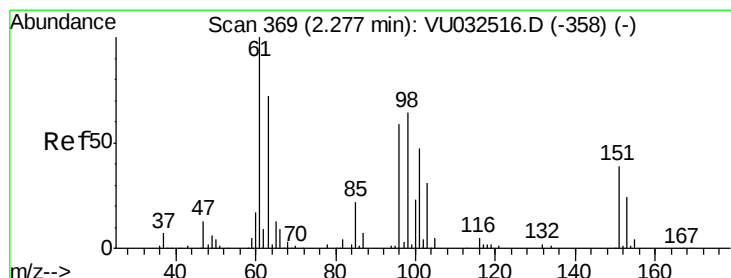
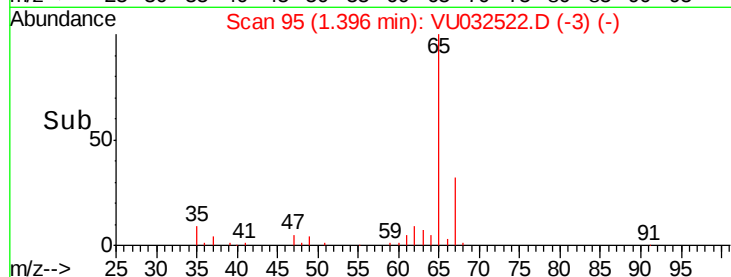
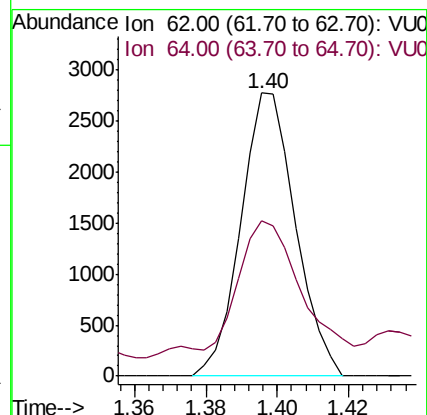
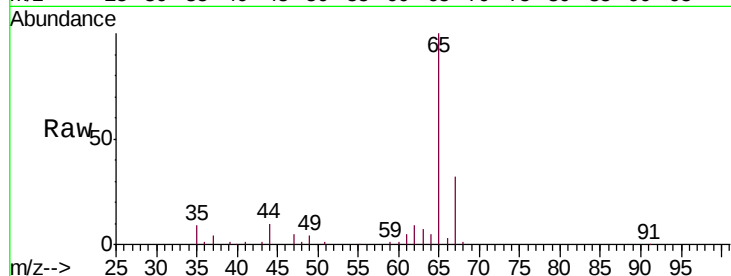
DB8J5

Tgt Ion: 62 Resp: 2933

Ion Ratio Lower Upper

62 100

64 54.7 22.6 42.0#



#12

1,1-Dichloroethene

Concen: 0.785 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU032522.D

Acq: 07 Jun 2019 01:44

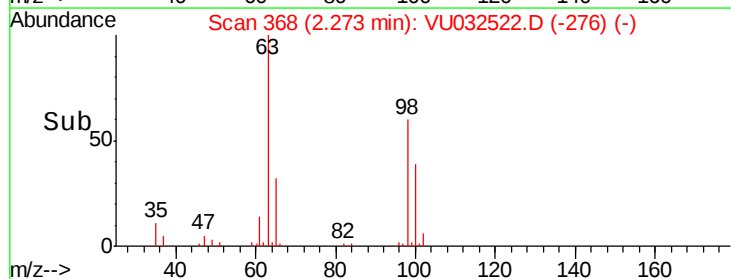
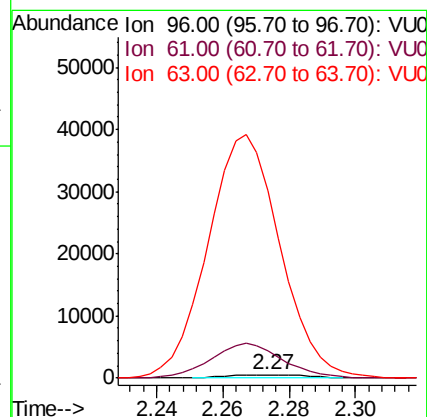
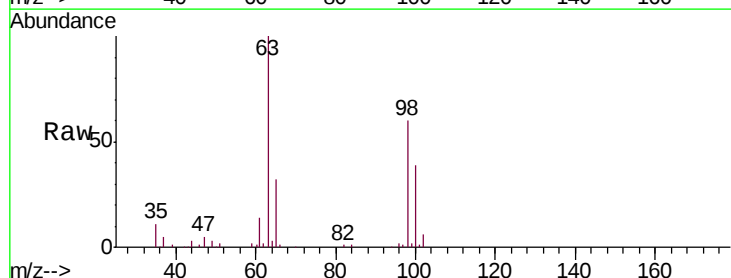
Tgt Ion: 96 Resp: 894

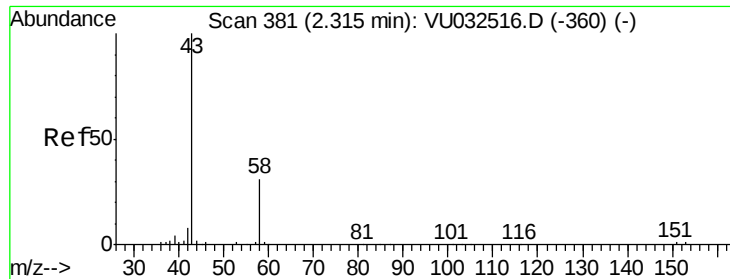
Ion Ratio Lower Upper

96 100

61 827.0 129.5 240.5#

63 5726.2 103.4 192.0#





#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

Instrument :

MSVOA_U

ClientSampled :

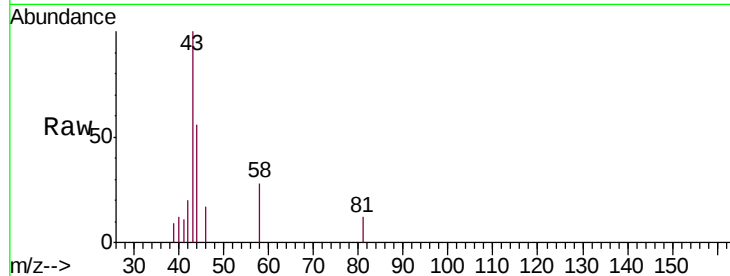
DB8J5

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): VU032516.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU032516.D (-360) (-)

2.32

1500

1000

500

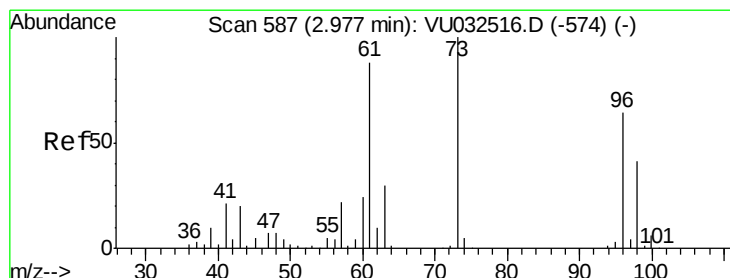
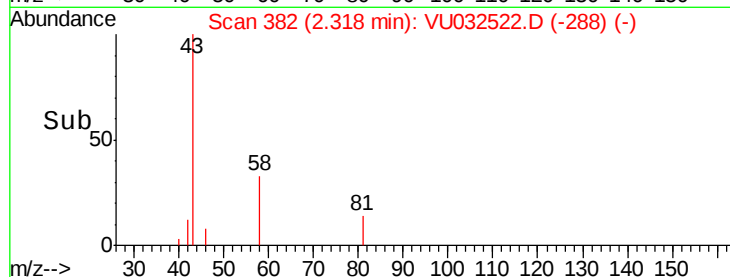
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Time-->

2.25

2.30

2.35



#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

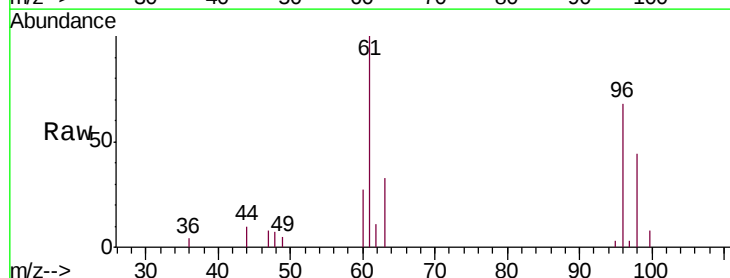
Tgt Ion: 96 Resp: 4501

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) (-)

5000

4000

3000

2000

1000

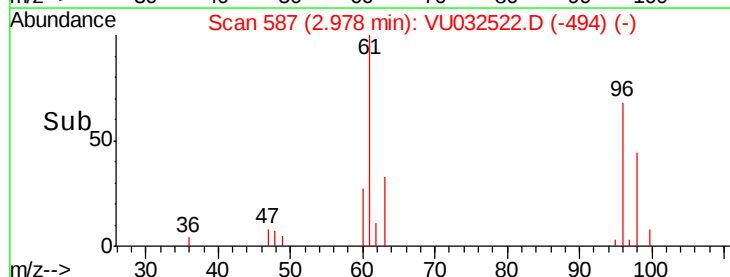
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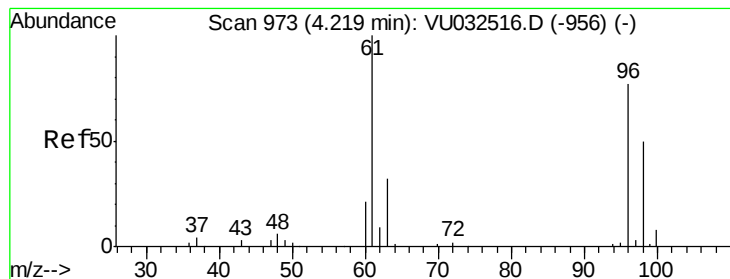
Time-->

2.95

3.00

3.05



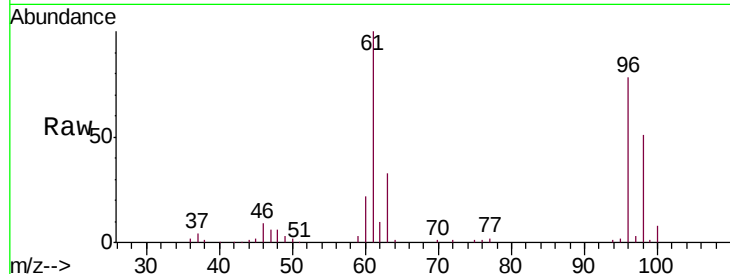


#20

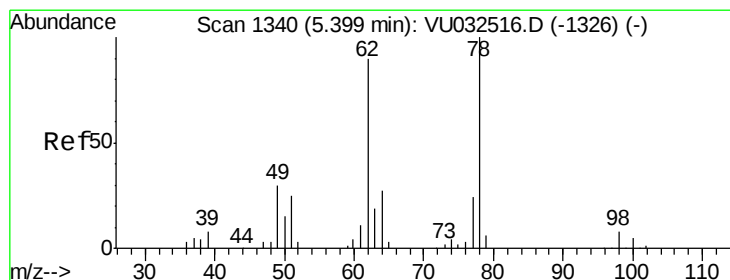
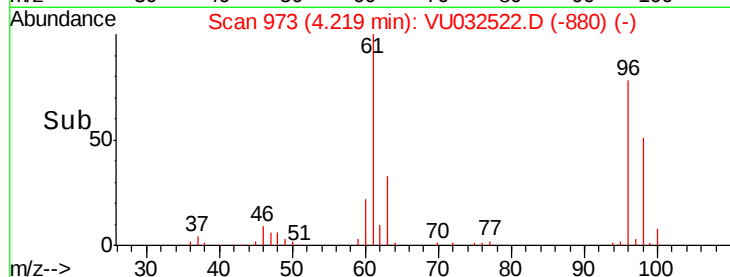
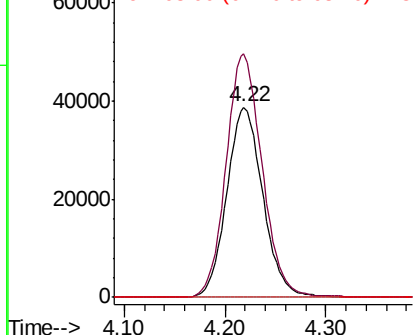
cis-1,2-Dichloroethene
 Concen: 69.036 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032522.D
 Acq: 07 Jun 2019 01:44

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8J5

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



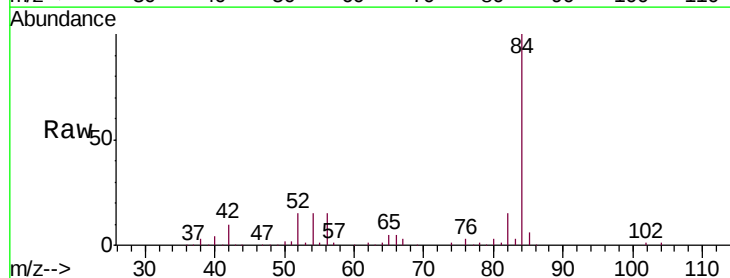
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



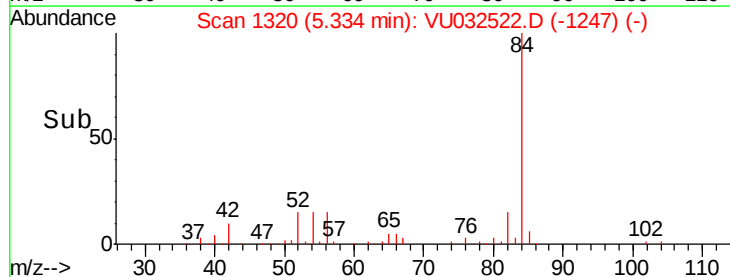
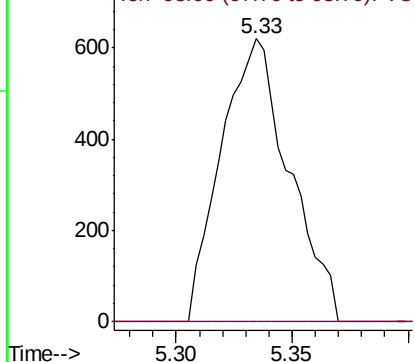
#27

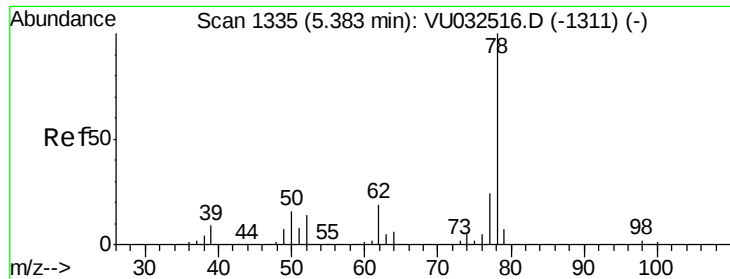
1,2-Dichloroethane
 Concen: 0.690 ug/L
 RT: 5.33 min Scan# 1320
 Delta R.T. -0.06 min
 Lab File: VU032522.D
 Acq: 07 Jun 2019 01:44

Tgt Ion: 62 Resp: 1267
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#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

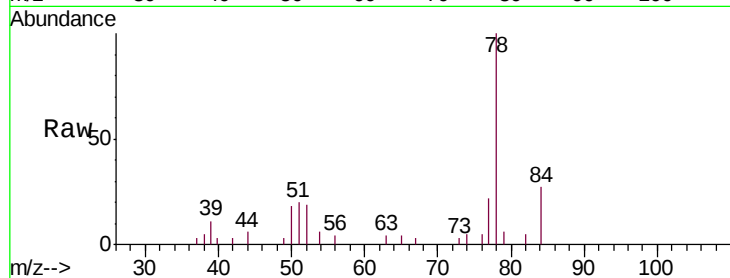
Instrument :

MSVOA_U

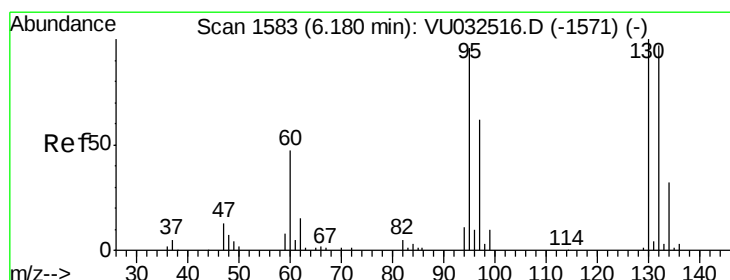
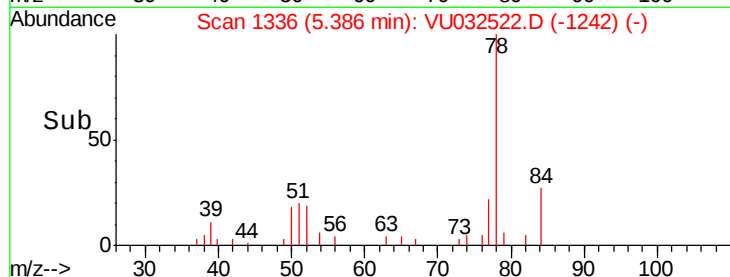
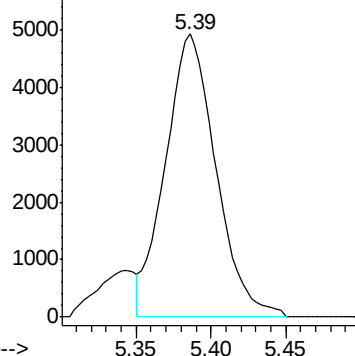
ClientSampled :

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

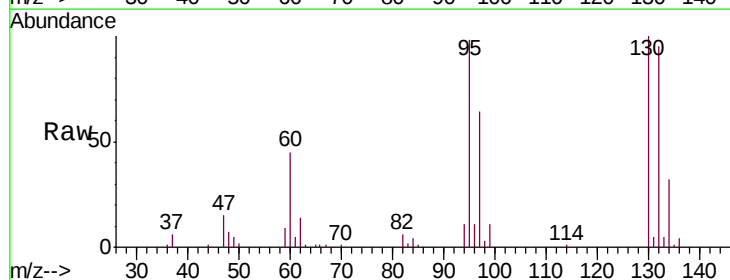
Ion	Ratio	Lower	Upper
95	100		
97	65.0	45.8	85.2
132	97.0	71.0	131.8
130	102.0	73.4	136.2

95 100

97 65.0 45.8 85.2

132 97.0 71.0 131.8

130 102.0 73.4 136.2

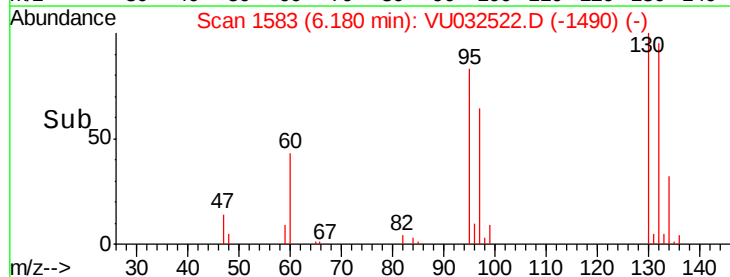
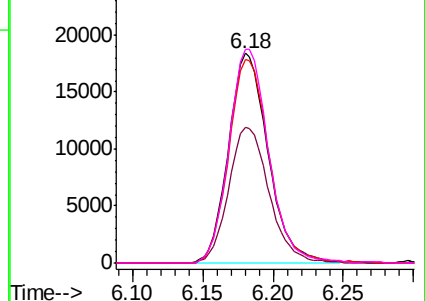


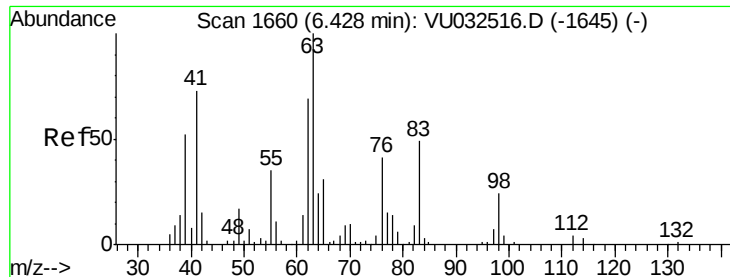
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

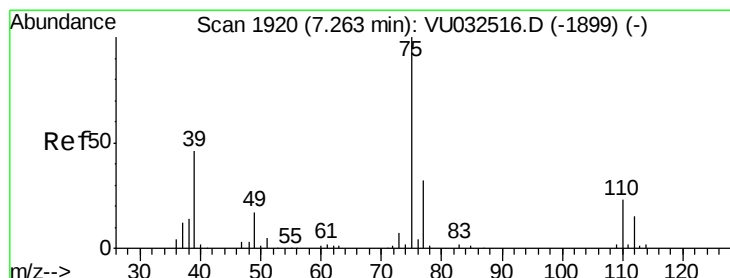
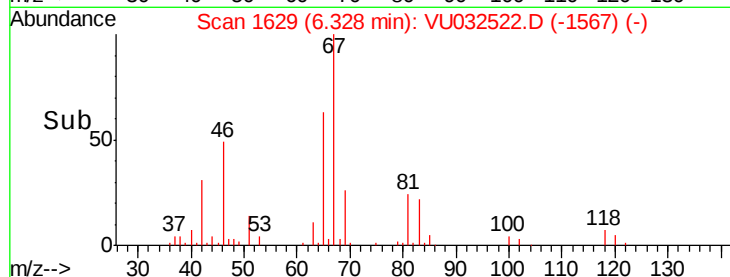
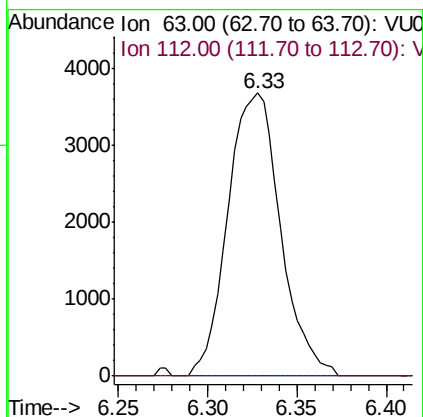
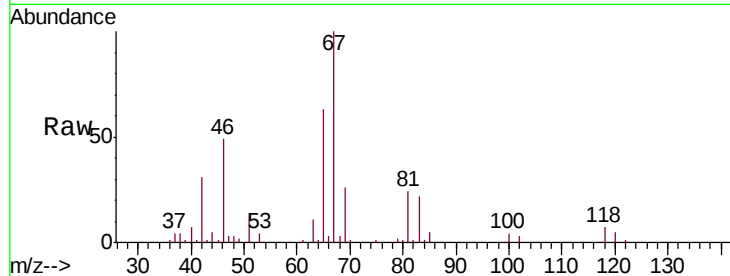




#37
 1,2-Dichloropropane
 Concen: 5.652 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU032522.D
 Acq: 07 Jun 2019 01:44

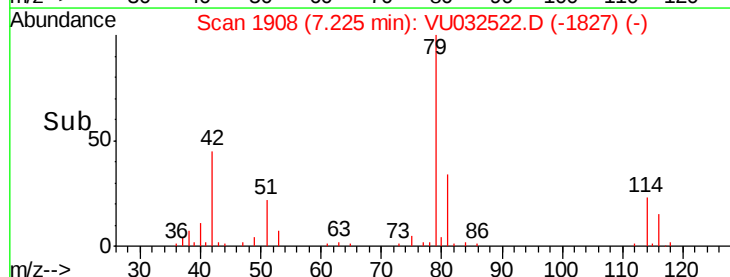
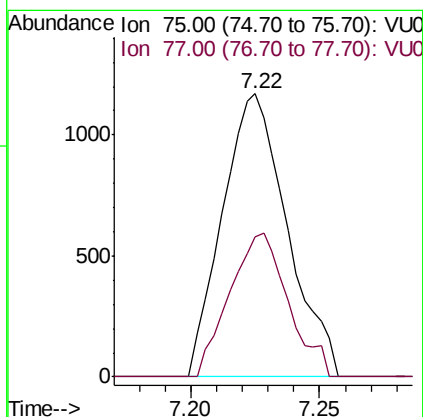
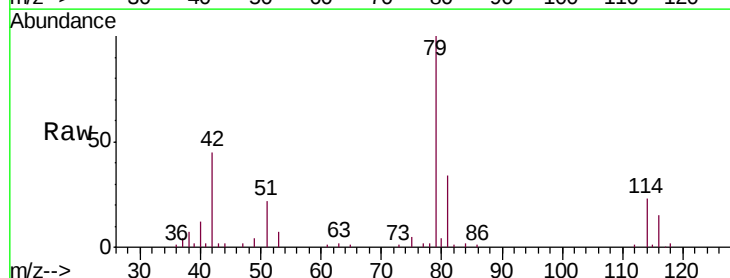
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8J5

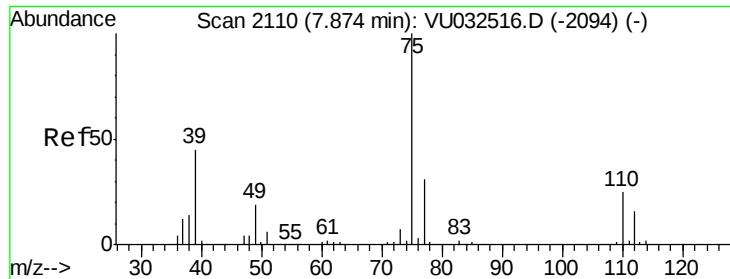
Tgt Ion: 63 Resp: 7578
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.969 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032522.D
 Acq: 07 Jun 2019 01:44

Tgt Ion: 75 Resp: 2050
 Ion Ratio Lower Upper
 75 100
 77 49.7 22.0 41.0#





#44

trans-1,3-Dichloropropene

Concen: 0.681 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032522.D

Acq: 07 Jun 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

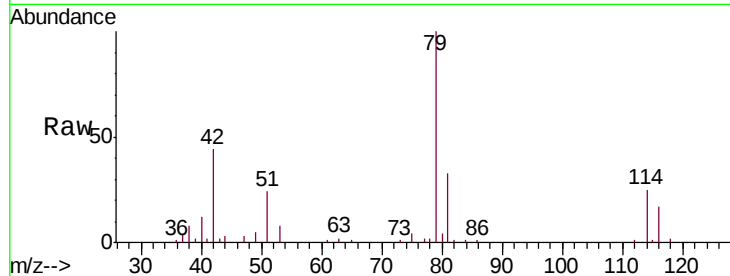
DB8J5

Tgt Ion: 75 Resp: 1278

Ion Ratio Lower Upper

75 100

77 49.1 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU032516.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032516.D (-2094) (-)

7.85

600

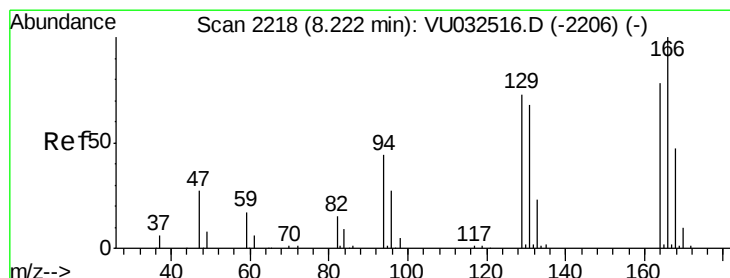
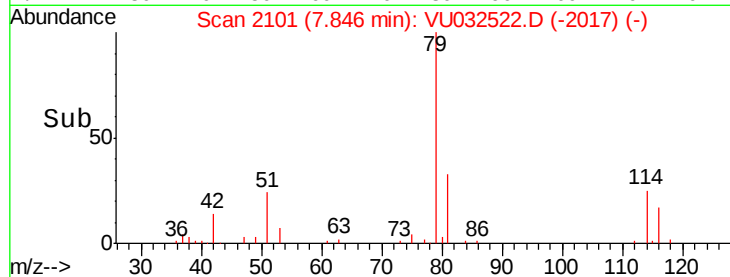
400

200

0

7.82 7.84 7.86 7.88

Time-->



#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

Tgt Ion: 164 Resp: 1993

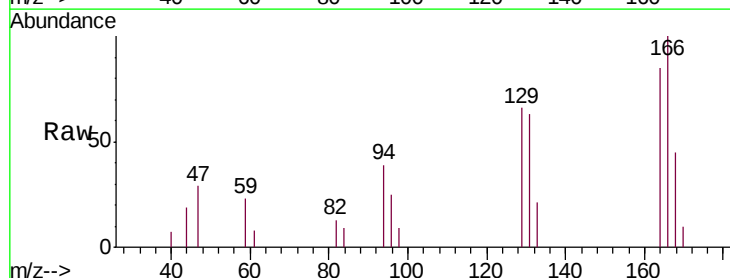
Ion Ratio Lower Upper

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): VU032516.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU032516.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU032516.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU032516.D (-2206) (-)

2000

1500

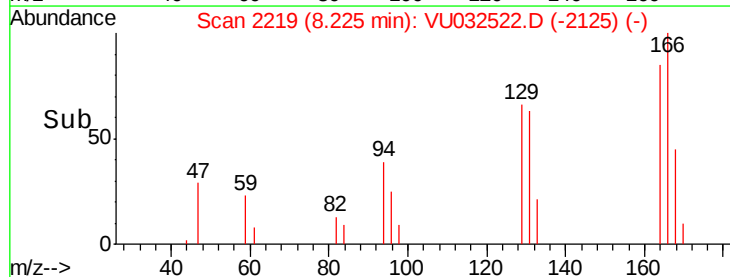
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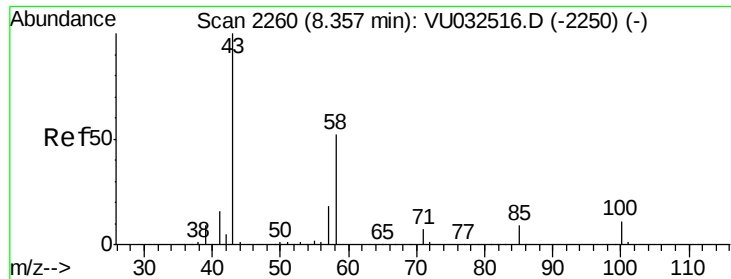
500

0

8.20 8.22 8.24 8.26

Time-->

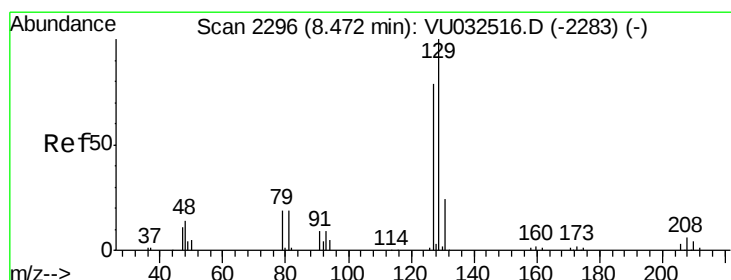
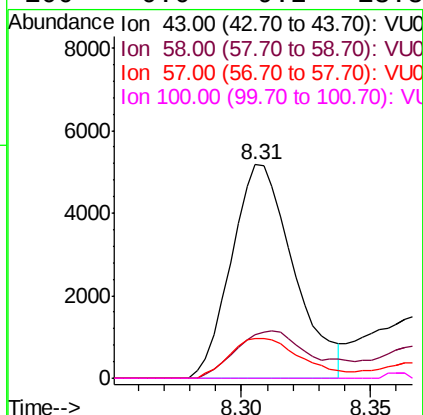
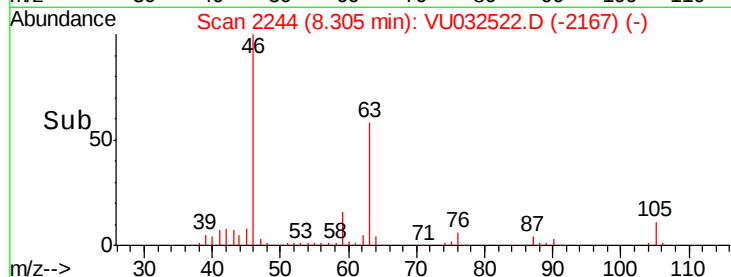
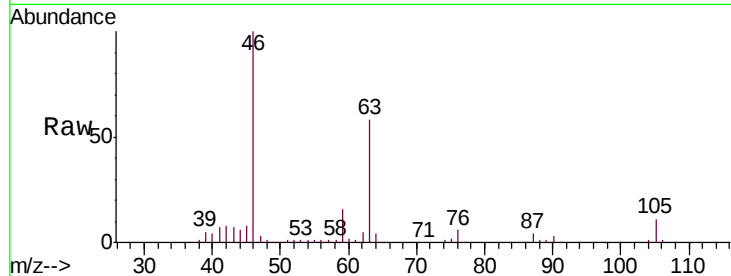




#48
2-Hexanone
Concen: 4.907 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.05 min
Lab File: VU032522.D
Acq: 07 Jun 2019 01:44

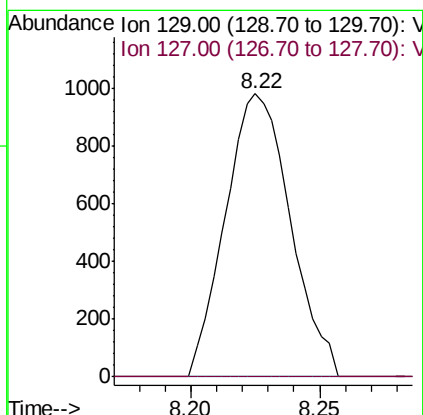
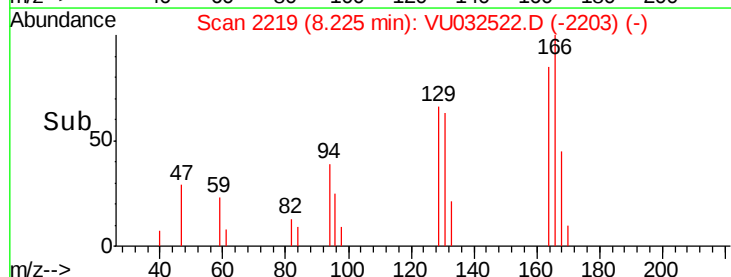
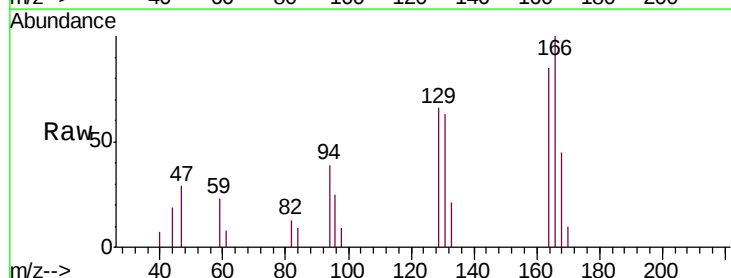
Instrument :
MSVOA_U
ClientSampleId :
DB8J5

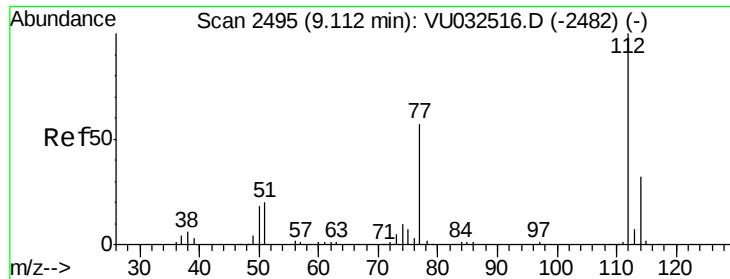
Tgt Ion: 43 Resp: 8693
Ion Ratio Lower Upper
43 100
58 23.9 42.0 63.0#
57 21.4 14.6 22.0
100 0.0 9.2 13.8#



#49
Dibromochloromethane
Concen: 1.170 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU032522.D
Acq: 07 Jun 2019 01:44

Tgt Ion: 129 Resp: 1725
Ion Ratio Lower Upper
129 100
127 0.0 53.6 99.6#





#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

Instrument :

MSVOA_U

ClientSampleId :

DB8J5

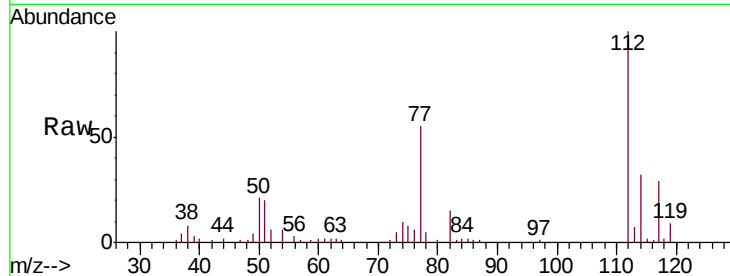
Tgt Ion: 112 Resp: 29565

Ion Ratio Lower Upper

112 100

114 32.4 22.6 42.0

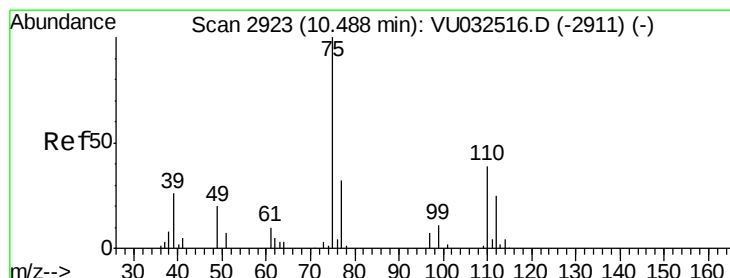
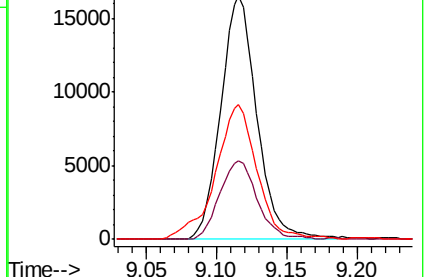
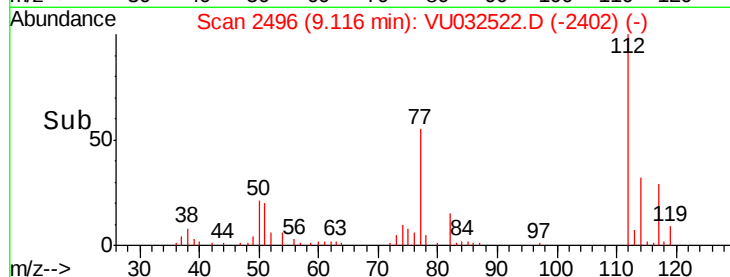
77 55.3 46.1 69.1



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): VU



#59

1,2,3-Trichloropropane

Concen: 7.007 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032522.D

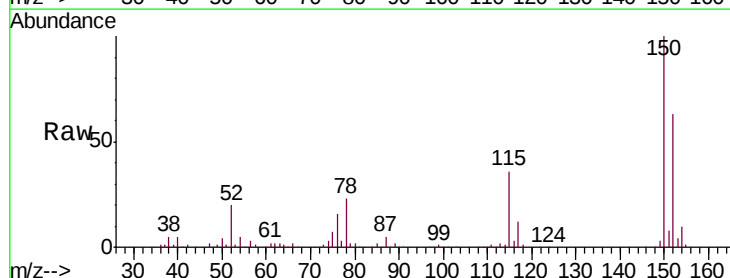
Acq: 07 Jun 2019 01:44

Tgt Ion: 75 Resp: 12214

Ion Ratio Lower Upper

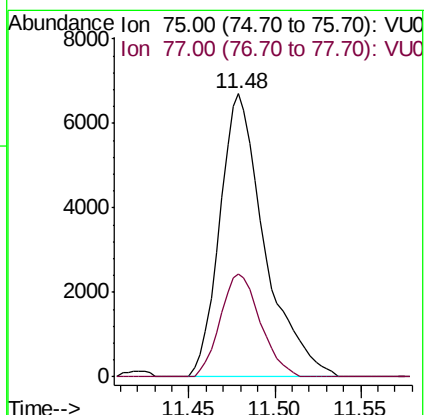
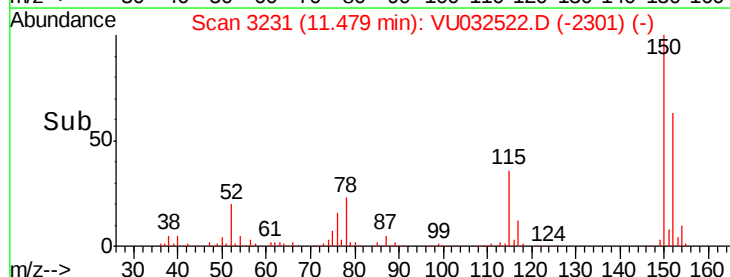
75 100

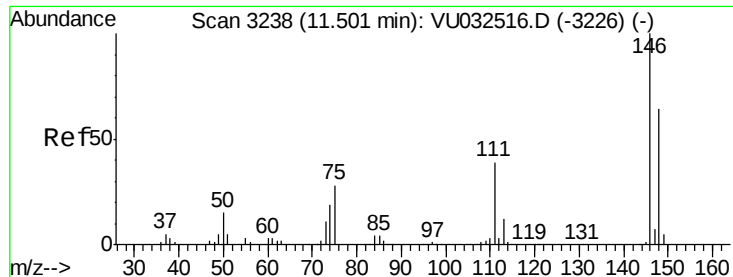
77 32.4 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

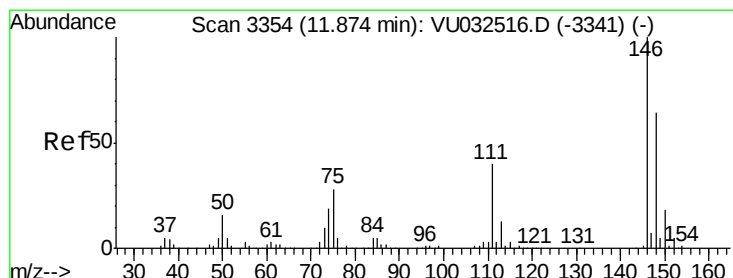
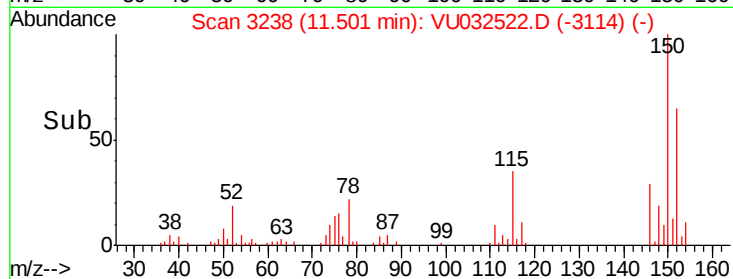
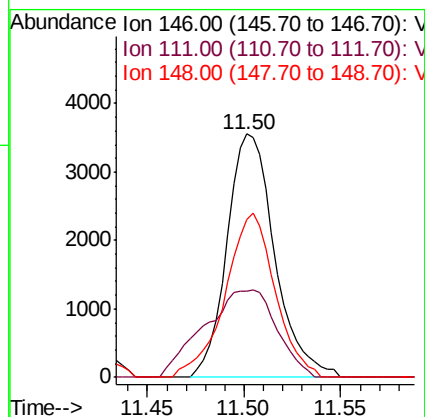
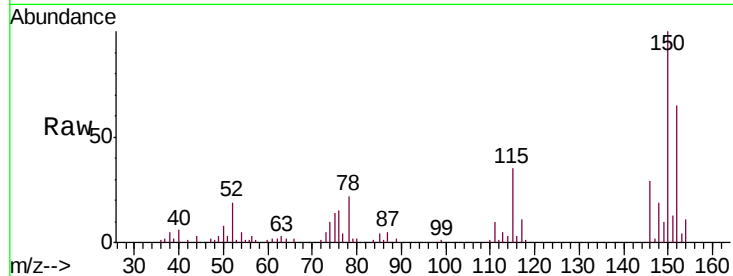




#63
 1,4-Dichlorobenzene
 Concen: 2.196 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032522.D
 Acq: 07 Jun 2019 01:44

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8J5

Tgt Ion:146 Resp: 6100
 Ion Ratio Lower Upper
 146 100
 111 35.3 26.6 49.4
 148 64.8 44.9 83.5



#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

