

Data File : VU032494.D
Acq On : 06 Jun 2019 14:07
Operator : JC/SP
Sample : K3213-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8K1

Quant Time: Jun 07 04:11:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 04:06:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	223748	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	209179	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107986	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	50583	34.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.68%
7) Chloroethane-d5	1.68	69	44784	38.39	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.78%
11) 1,1-Dichloroethene-d2	2.27	63	81169	28.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.12%#
21) 2-Butanone-d5	4.17	46	131413	108.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.17%
24) Chloroform-d	4.64	84	116983	43.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.42%
26) 1,2-Dichloroethane-d4	5.30	65	79103	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.76%
32) Benzene-d6	5.33	84	245159	45.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.30%
36) 1,2-Dichloropropane-d6	6.32	67	77999	45.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.62%
41) Toluene-d8	7.56	98	234779	45.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.85	79	37980	46.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.22%
47) 2-Hexanone-d5	8.31	63	94003	113.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.81%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	127379	51.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.26%
64) 1,2-Dichlorobenzene-d4	11.85	152	101997	49.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.62%

Target Compounds

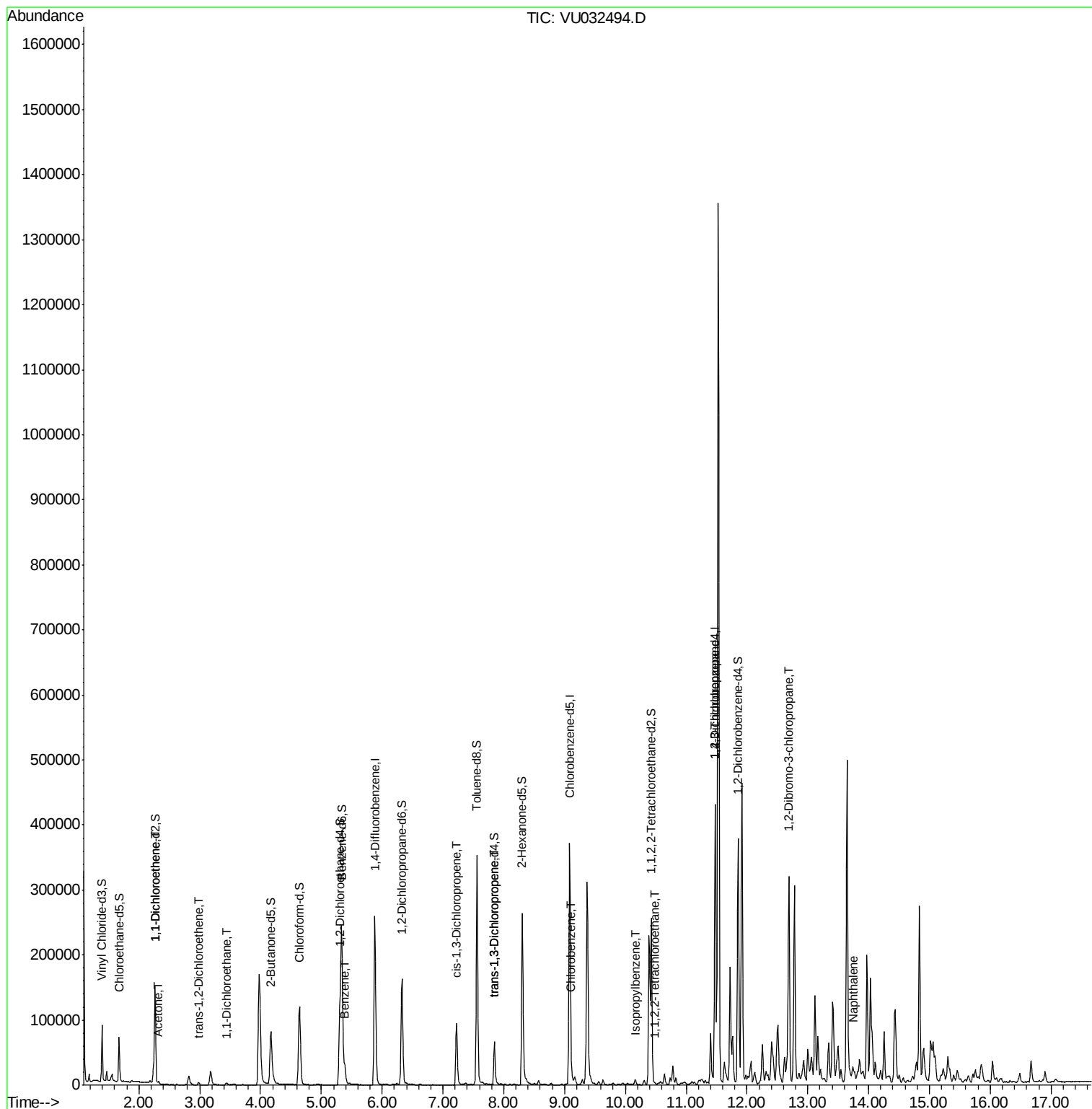
					Qvalue
12) 1,1-Dichloroethene	2.27	96	759	0.572 ug/L #	1
13) Acetone	2.32	43	3411	2.721 ug/L	92
17) trans-1,2-Dichloroethene	2.98	96	1418	0.986 ug/L	85
19) 1,1-Dichloroethane	3.44	63	3013	1.149 ug/L	98
33) Benzene	5.39	78	32106	5.463 ug/L	100
39) cis-1,3-Dichloropropene	7.22	75	2564	1.043 ug/L #	79
44) trans-1,3-Dichloropropene	7.85	75	1620	0.742 ug/L	94
51) Chlorobenzene	9.12	112	4608	1.111 ug/L	99
56) Isopropylbenzene	10.16	105	4635	0.649 ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.49	83	1548	0.615 ug/L #	25
59) 1,2,3-Trichloropropane	11.48	75	13125	6.480 ug/L	90
66) 1,2-Dibromo-3-chloropropan	12.69	75	1555	2.798 ug/L #	1
69) Naphthalene	13.75	128	4109	0.605 ug/L #	89

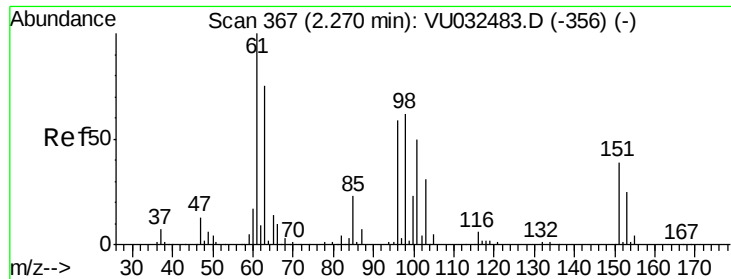
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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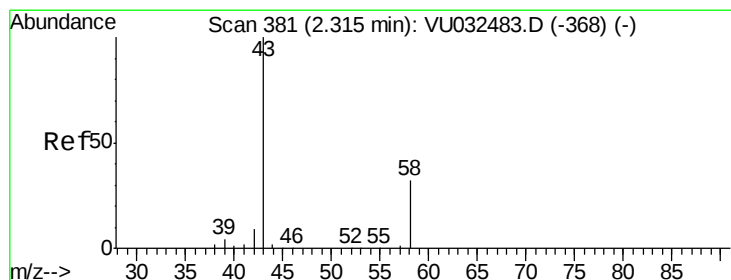
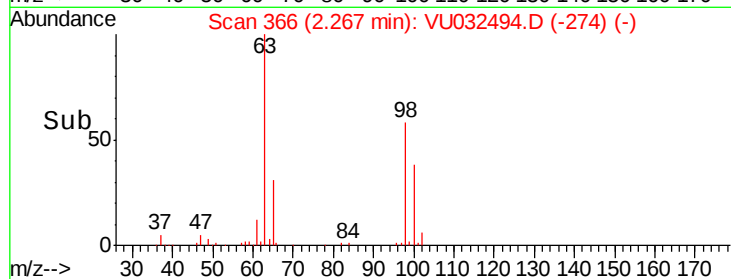
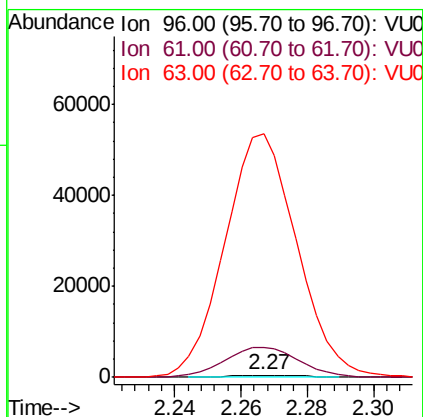
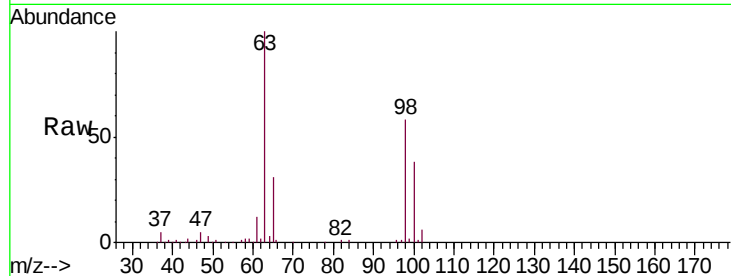




#12
 1,1-Dichloroethene
 Concen: 0.572 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VU032494.D
 Acq: 06 Jun 2019 14:07

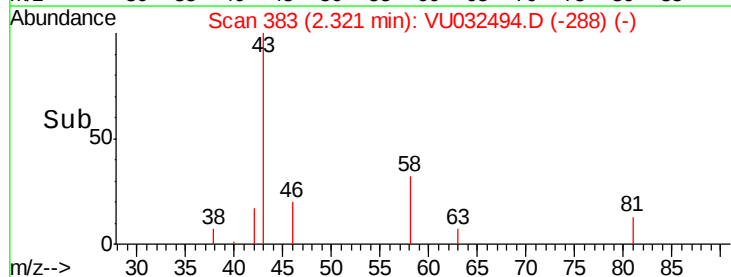
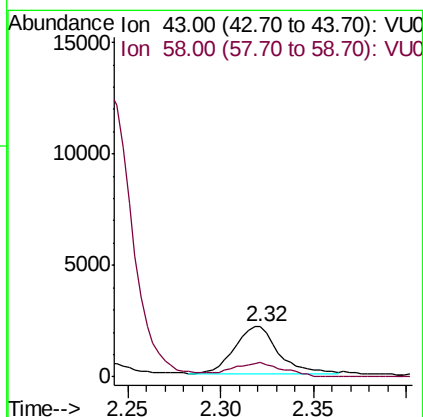
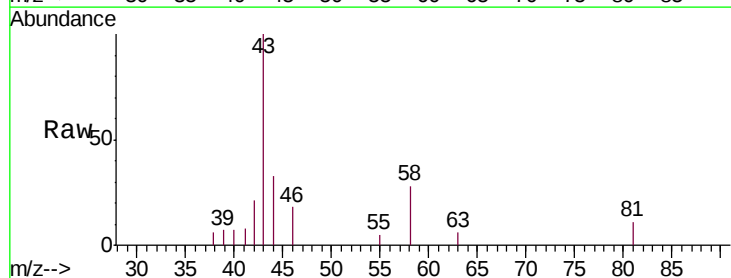
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8K1

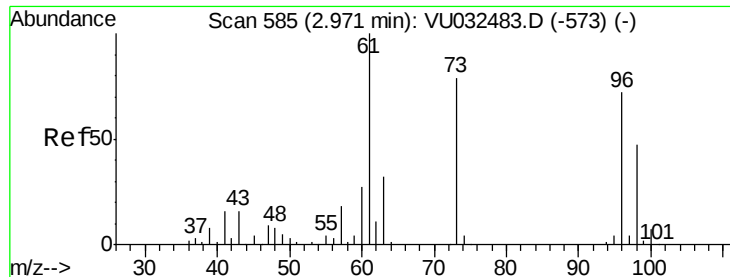
Tgt Ion: 96 Resp: 759
 Ion Ratio Lower Upper
 96 100
 61 1326.7 129.5 240.5#
 63 10664.5 103.4 192.0#



#13
 Acetone
 Concen: 2.721 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VU032494.D
 Acq: 06 Jun 2019 14:07

Tgt Ion: 43 Resp: 3411
 Ion Ratio Lower Upper
 43 100
 58 36.2 0.0 64.0





#17

trans-1,2-Dichloroethene

Concen: 0.986 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU032494.D

Acq: 06 Jun 2019 14:07

Instrument :

MSVOA_U

ClientSampled :

DB8K1

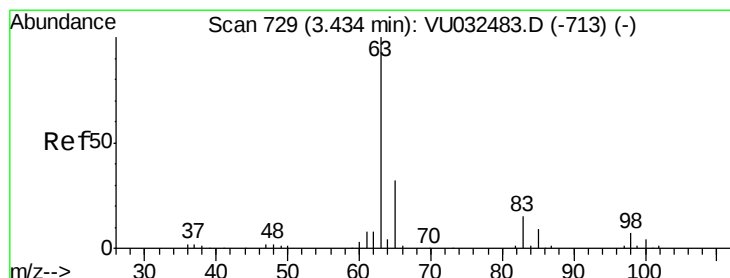
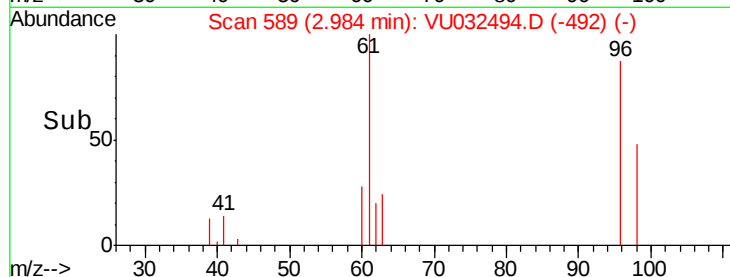
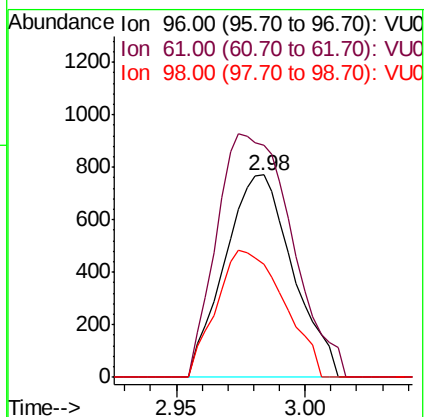
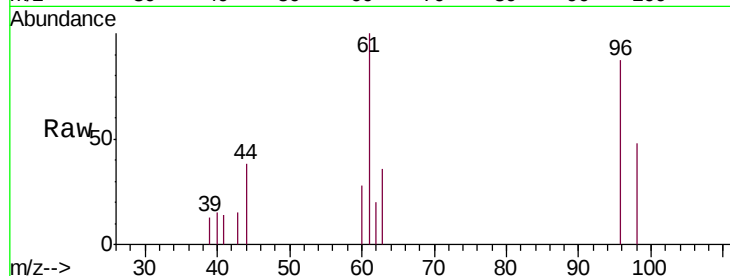
Tgt Ion: 96 Resp: 1418

Ion Ratio Lower Upper

96 100

61 114.8 95.7 177.7

98 55.5 44.0 81.6



#19

1,1-Dichloroethane

Concen: 1.149 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.01 min

Lab File: VU032494.D

Acq: 06 Jun 2019 14:07

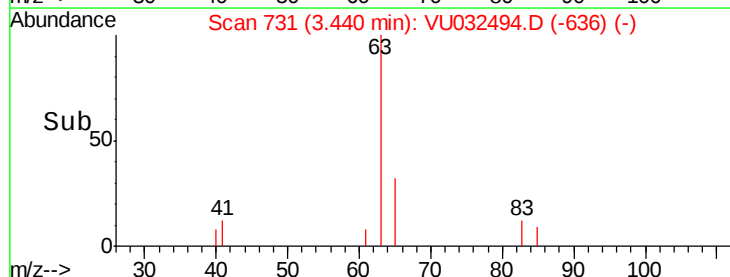
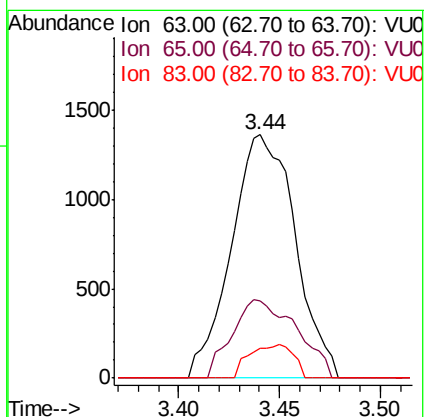
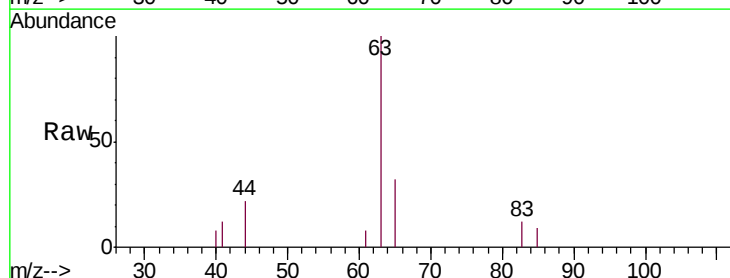
Tgt Ion: 63 Resp: 3013

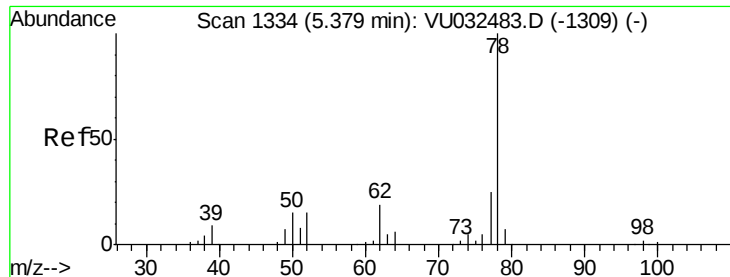
Ion Ratio Lower Upper

63 100

65 31.9 21.8 40.6

83 12.0 9.8 18.2





#33

Benzene

Concen: 5.463 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VU032494.D

Acq: 06 Jun 2019 14:07

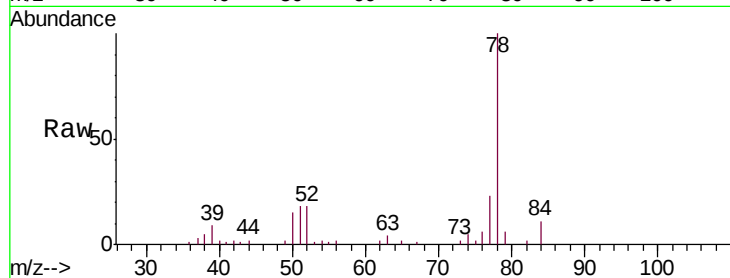
Instrument :

MSVOA_U

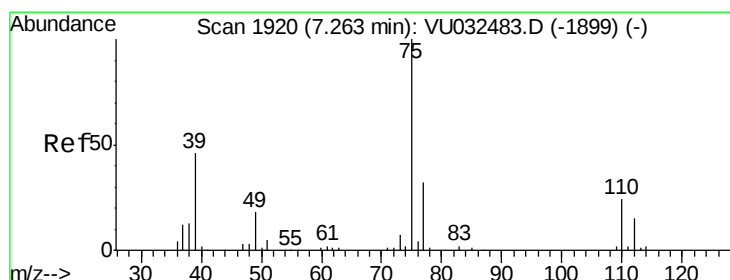
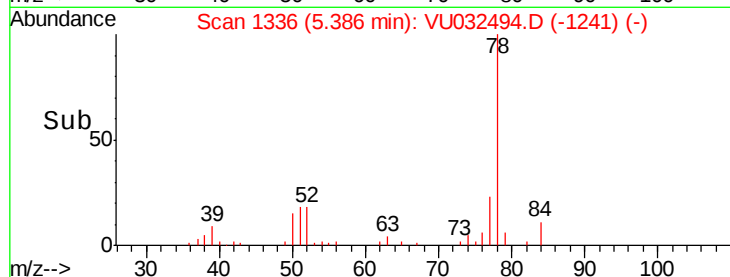
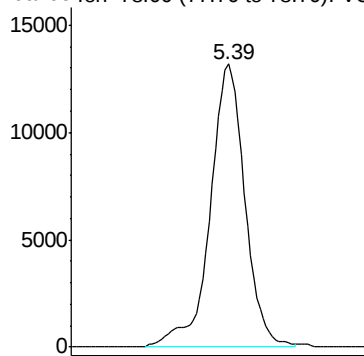
ClientSampleId :

DB8K1

Tgt Ion: 78 Resp: 32106



Abundance Ion 78.00 (77.70 to 78.70): VU0



#39

cis-1,3-Dichloropropene

Concen: 1.043 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU032494.D

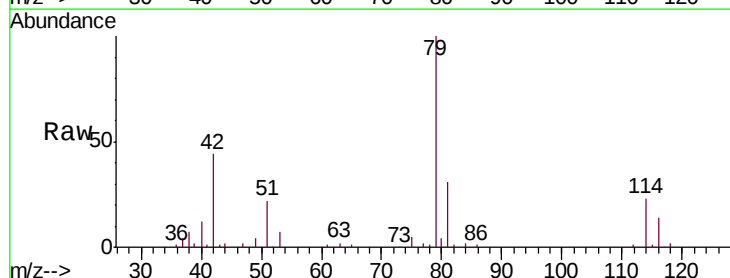
Acq: 06 Jun 2019 14:07

Tgt Ion: 75 Resp: 2564

Ion Ratio Lower Upper

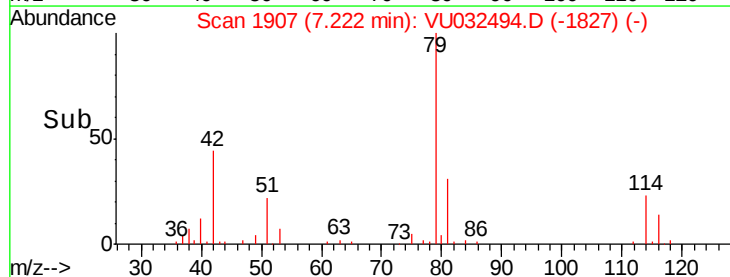
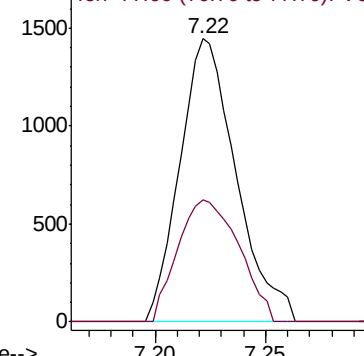
75 100

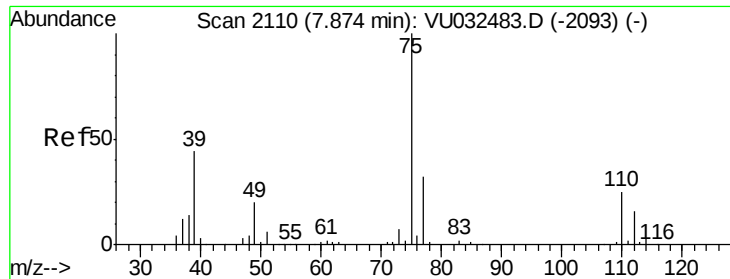
77 43.0 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.742 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032494.D

Acq: 06 Jun 2019 14:07

Instrument :

MSVOA_U

ClientSampled :

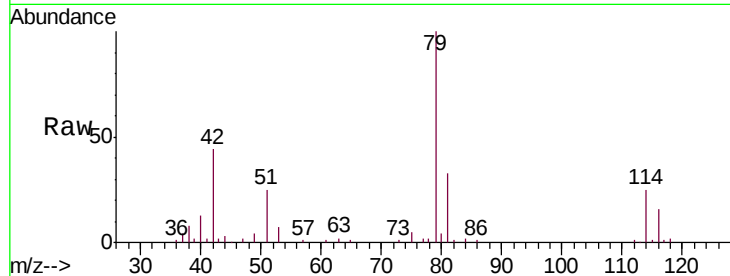
DB8K1

Tgt Ion: 75 Resp: 1620

Ion Ratio Lower Upper

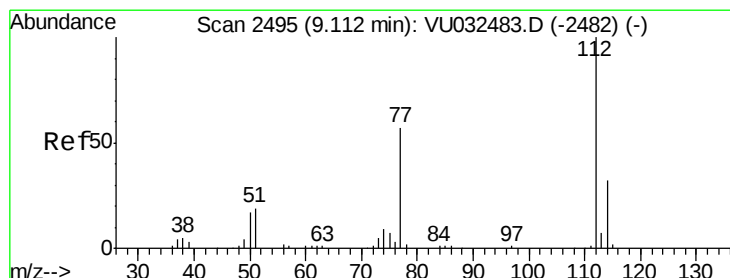
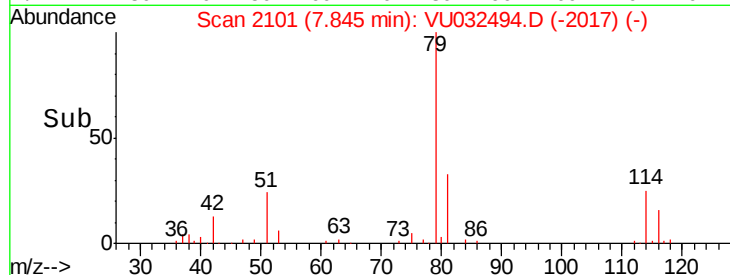
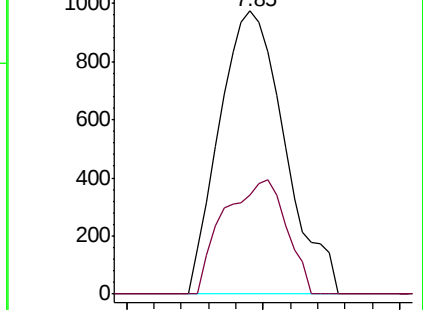
75 100

77 35.1 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#51

Chlorobenzene

Concen: 1.111 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU032494.D

Acq: 06 Jun 2019 14:07

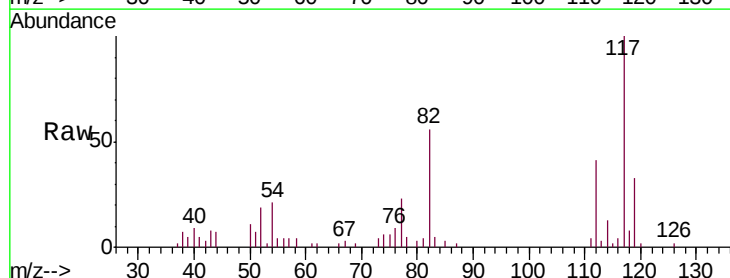
Tgt Ion: 112 Resp: 4608

Ion Ratio Lower Upper

112 100

114 31.8 22.6 42.0

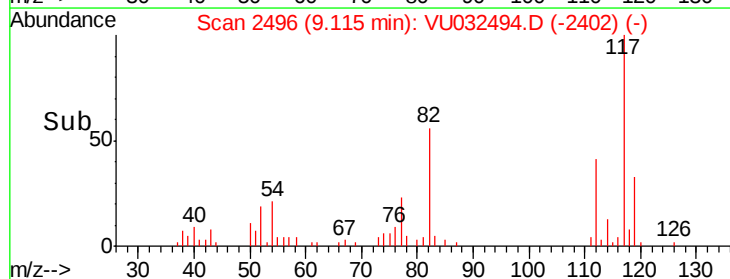
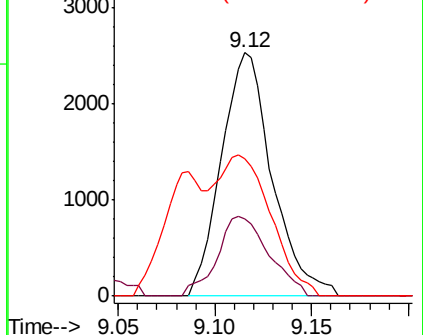
77 56.5 46.1 69.1

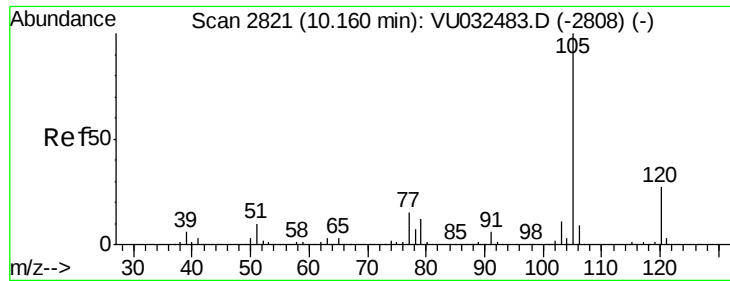


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#56

Isopropylbenzene

Concen: 0.649 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032494.D

Acq: 06 Jun 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

DB8K1

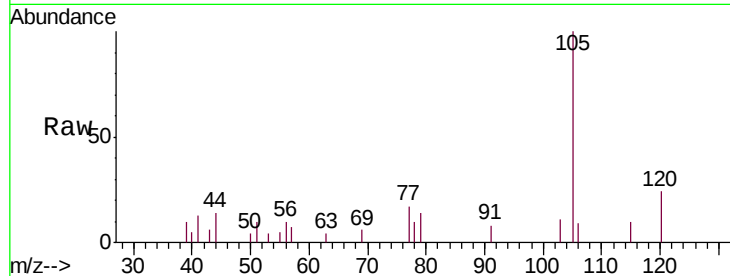
Tgt Ion: 105 Resp: 4635

Ion Ratio Lower Upper

105 100

120 24.6 21.6 32.4

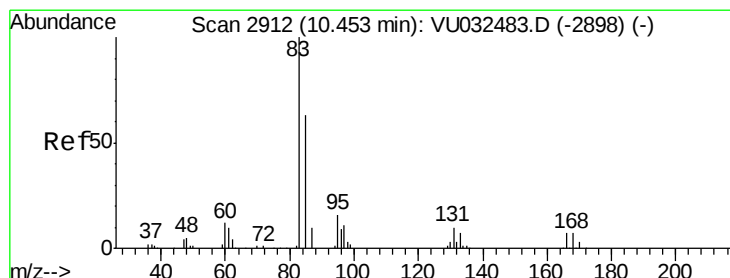
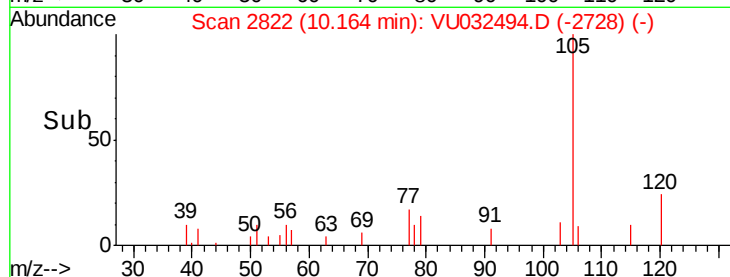
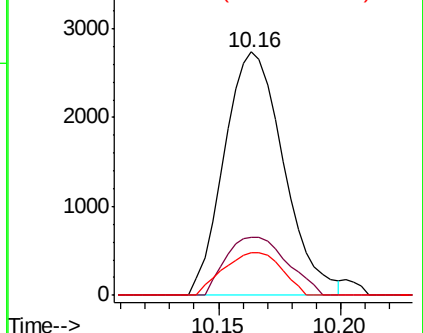
77 17.3 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.615 ug/L

RT: 10.49 min Scan# 2922

Delta R.T. 0.03 min

Lab File: VU032494.D

Acq: 06 Jun 2019 14:07

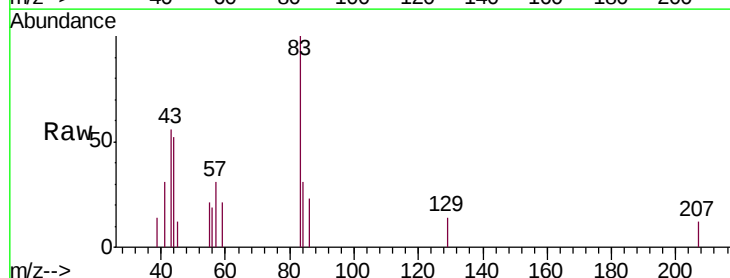
Tgt Ion: 83 Resp: 1548

Ion Ratio Lower Upper

83 100

85 0.0 45.1 83.7#

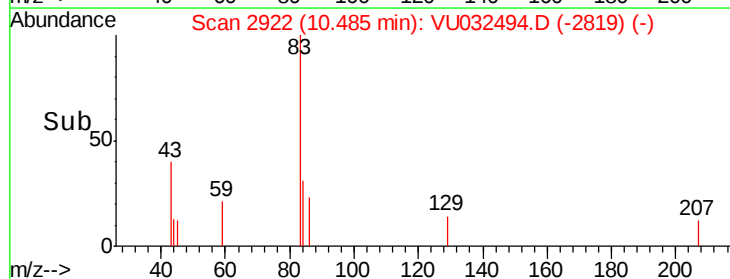
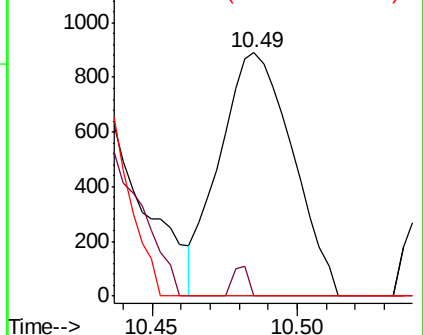
131 0.0 7.9 11.9#

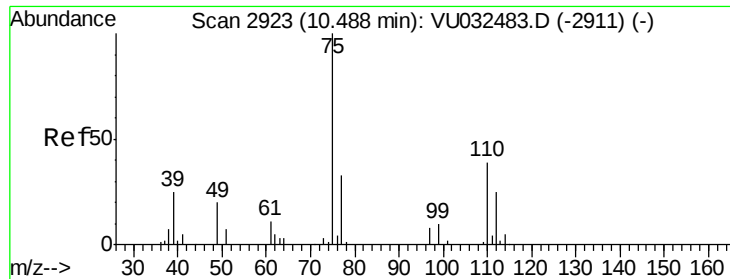


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

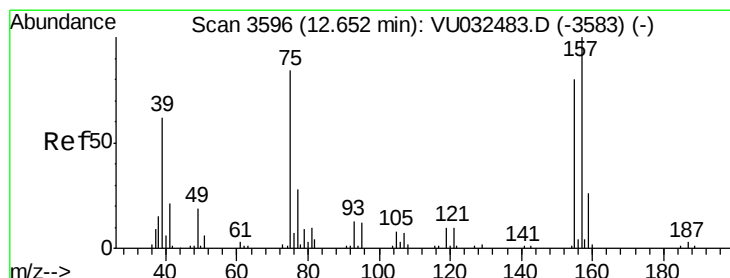
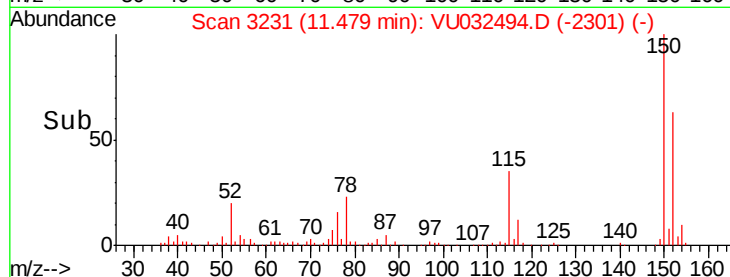
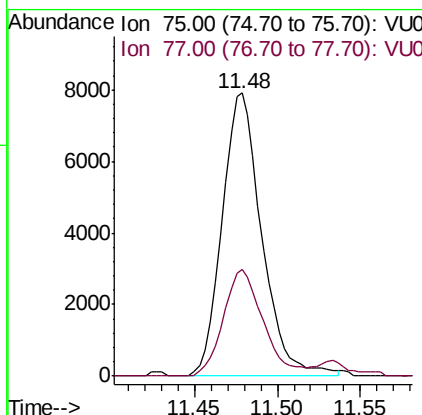
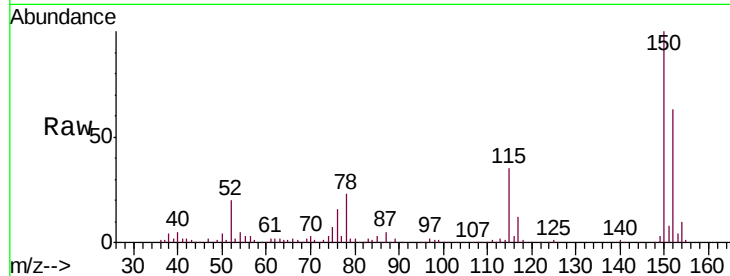




#59
 1,2,3-Trichloropropane
 Concen: 6.480 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032494.D
 Acq: 06 Jun 2019 14:07

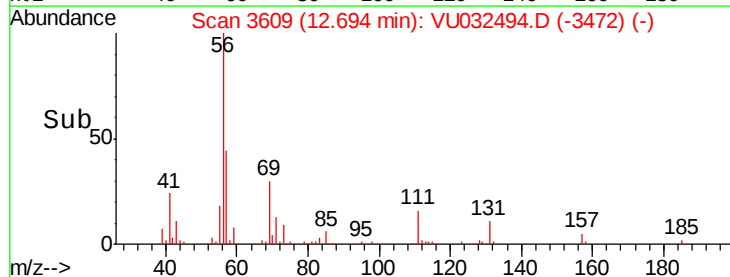
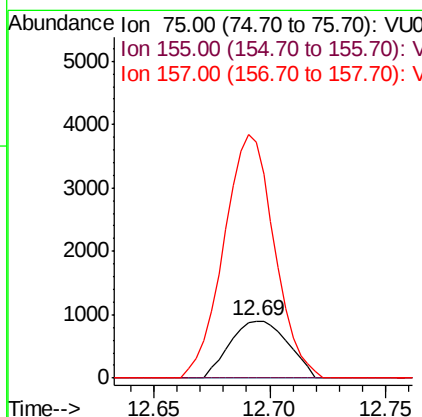
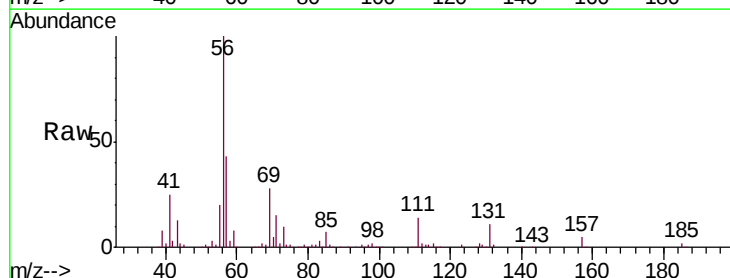
Instrument :
 MSVOA_U
 ClientSampled :
 DB8K1

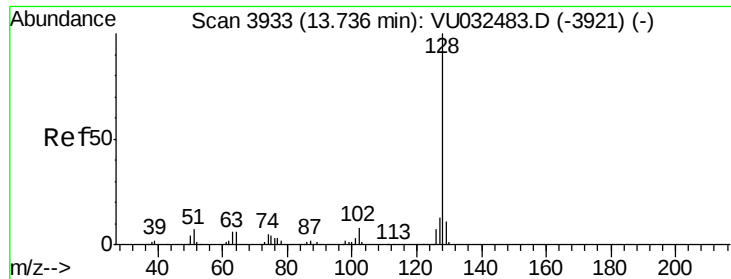
Tgt Ion: 75 Resp: 13125
 Ion Ratio Lower Upper
 75 100
 77 37.8 25.6 38.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.798 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.04 min
 Lab File: VU032494.D
 Acq: 06 Jun 2019 14:07

Tgt Ion: 75 Resp: 1555
 Ion Ratio Lower Upper
 75 100
 155 0.0 73.1 109.7#
 157 414.2 91.4 137.2#





#69

Naphthalene

Concen: 0.605 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU032494.D

Acq: 06 Jun 2019 14:07

Instrument :

MSVOA_U

ClientSampleId :

DB8K1

Tgt Ion:128 Resp: 4109

Ion Ratio Lower Upper

128 100

127 10.2 10.4 15.6#

129 16.8 8.5 12.7#

