

Data File : VU032499.D
Acq On : 06 Jun 2019 16:08
Operator : JC/SP
Sample : VU0606WBL03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK50

Quant Time: Jun 07 05:51:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 05:48:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	195338	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	180411	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96008	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59215	46.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.44%
7) Chloroethane-d5	1.68	69	50100	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.38%
11) 1,1-Dichloroethene-d2	2.27	63	89496	36.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.14%
21) 2-Butanone-d5	4.17	46	112476	106.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.05%
24) Chloroform-d	4.64	84	117054	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	5.30	65	77994	52.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.76%
32) Benzene-d6	5.33	84	245377	52.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.78%
36) 1,2-Dichloropropane-d6	6.32	67	77902	53.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.08%
41) Toluene-d8	7.56	98	230307	51.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.72%
43) trans-1,3-Dichloropropene-	7.85	79	36253	51.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.16%
47) 2-Hexanone-d5	8.31	63	75895	106.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	113453	53.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.62%
64) 1,2-Dichlorobenzene-d4	11.85	152	96372	52.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.82%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	789	0.661	ug/L #	18
12) 1,1-Dichloroethene	2.26	96	803	0.693	ug/L #	1
13) Acetone	2.32	43	1267	1.158	ug/L	80
27) 1,2-Dichloroethane	5.33	62	1339	0.717	ug/L #	75
35) Methylcyclohexane	6.32	83	17972	8.050	ug/L #	19
37) 1,2-Dichloropropane	6.32	63	8522	6.342	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2426	1.144	ug/L #	62
40) 4-Methyl-2-pentanone	7.47	43	1121	0.519	ug/L #	73
44) trans-1,3-Dichloropropene	7.85	75	1781	0.946	ug/L	98
48) 2-Hexanone	8.36	43	5279	2.973	ug/L #	54
59) 1,2,3-Trichloropropane	11.48	75	11986	6.862	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	2462	0.829	ug/L	93
65) 1,2-Dichlorobenzene	11.87	146	2252	0.767	ug/L #	90
68) 1,2,4-trichlorobenzene	13.52	180	1142	0.596	ug/L #	85
69) Naphthalene	13.76	128	2911	0.482	ug/L #	93
70) 1,2,3-Trichlorobenzene	14.00	180	2221	1.115	ug/L #	93

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

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Response via : Initial Calibration

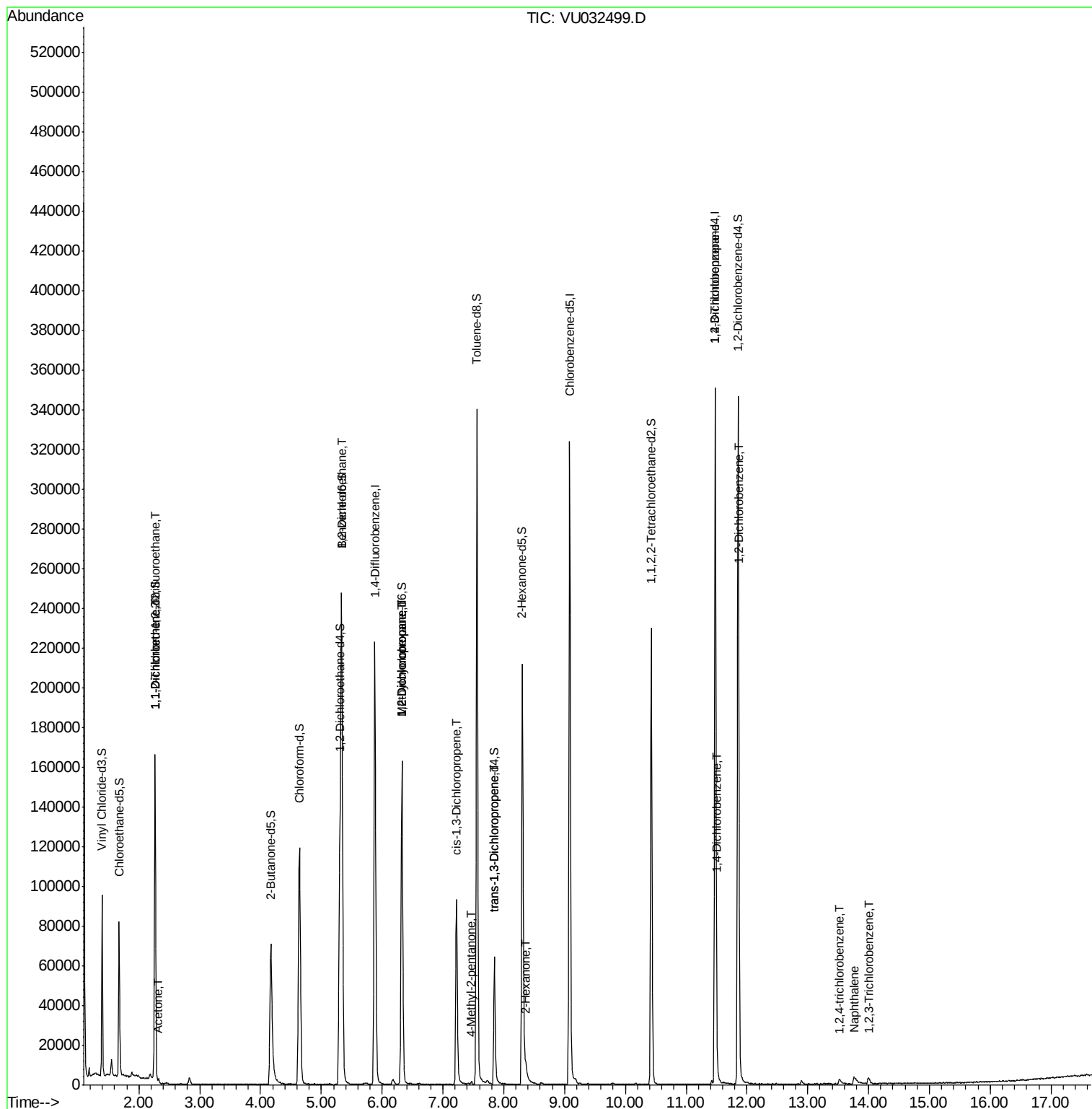
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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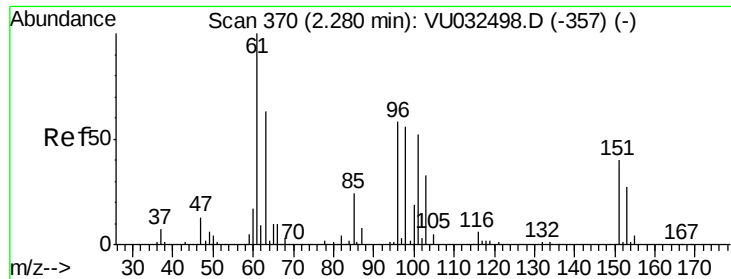
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 05:48:54 2019
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.661 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032499.D

Acq: 06 Jun 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

VBLK50

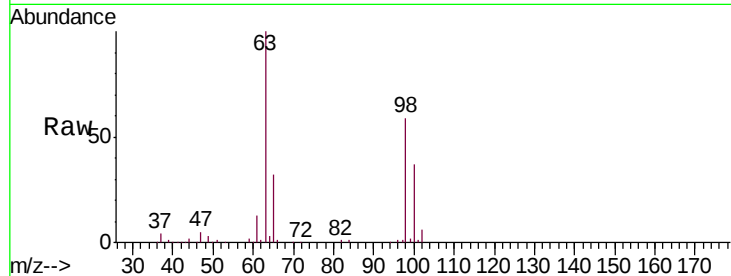
Tgt Ion: 101 Resp: 789

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

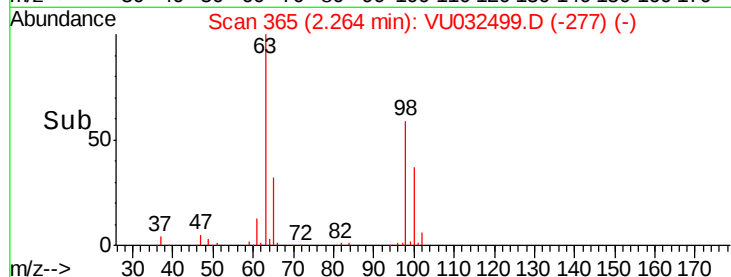
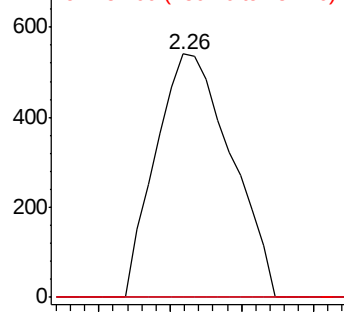
151 0.0 63.0 94.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VUC

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.693 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032499.D

Acq: 06 Jun 2019 16:08

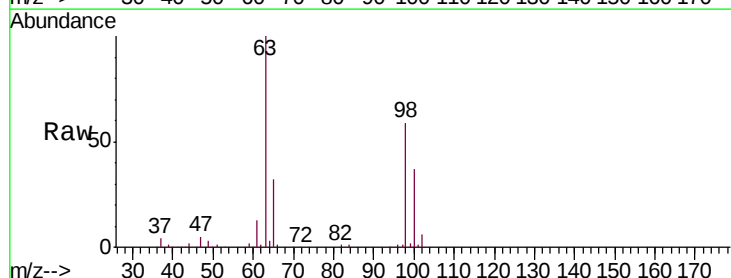
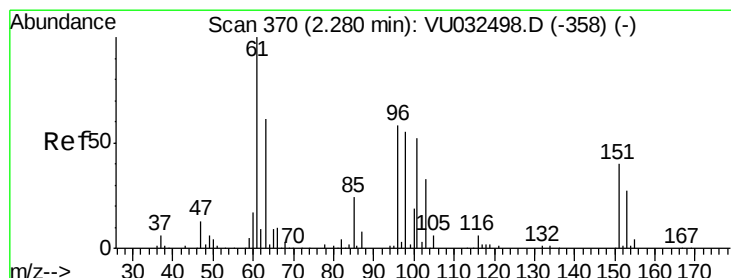
Tgt Ion: 96 Resp: 803

Ion Ratio Lower Upper

96 100

61 1429.8 129.5 240.5#

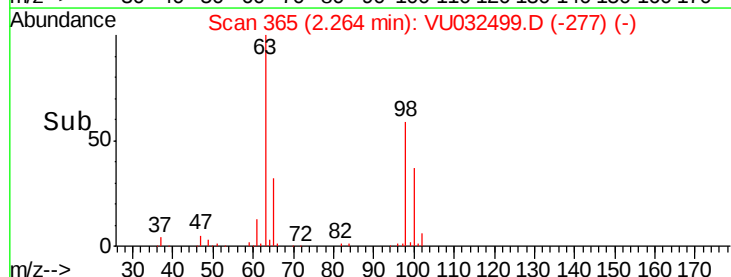
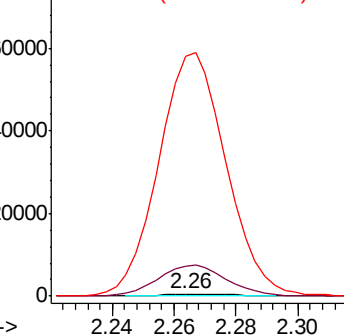
63 11380.4 103.4 192.0#

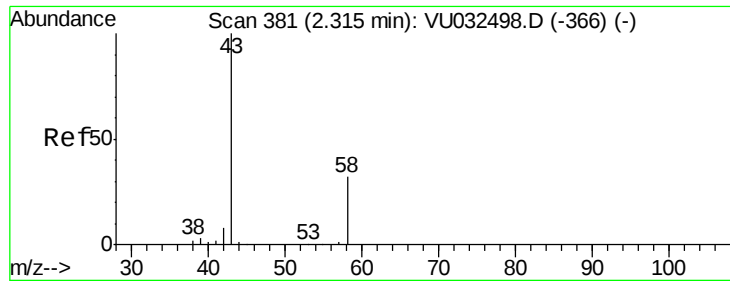


Abundance Ion 96.00 (95.70 to 96.70): VUC

Ion 61.00 (60.70 to 61.70): VUC

Ion 63.00 (62.70 to 63.70): VUC





#13

Acetone

Concen: 1.158 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032499.D

Acq: 06 Jun 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

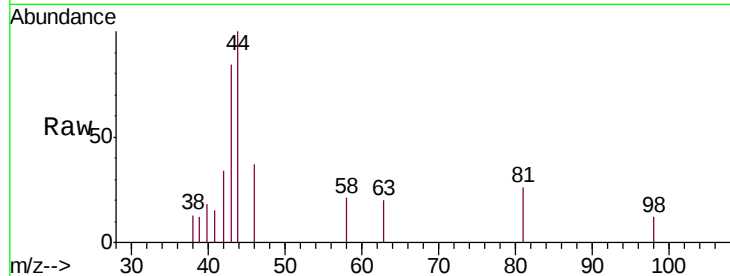
VBLK50

Tgt Ion: 43 Resp: 1267

Ion Ratio Lower Upper

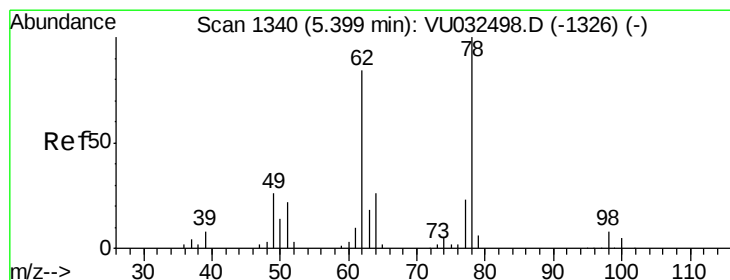
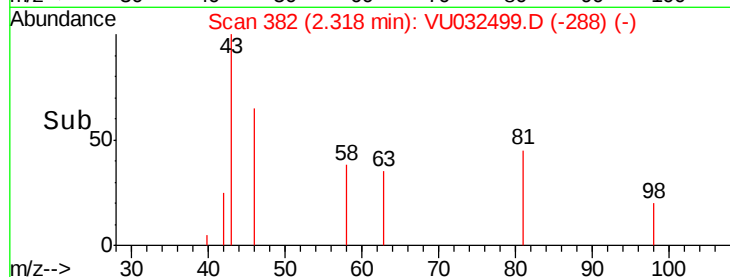
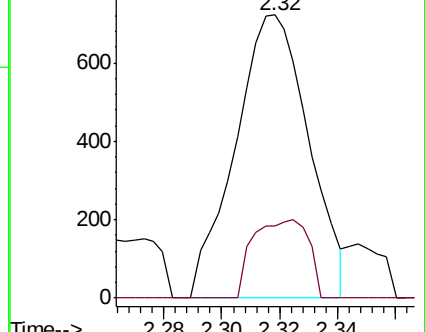
43 100

58 20.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032498.D (-366) (-)

Ion 58.00 (57.70 to 58.70): VU032498.D (-366) (-)



#27

1,2-Dichloroethane

Concen: 0.717 ug/L

RT: 5.33 min Scan# 1319

Delta R.T. -0.07 min

Lab File: VU032499.D

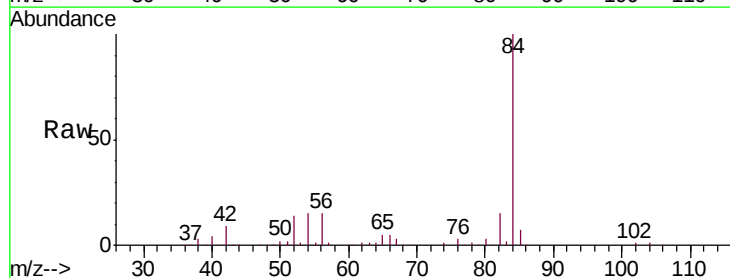
Acq: 06 Jun 2019 16:08

Tgt Ion: 62 Resp: 1339

Ion Ratio Lower Upper

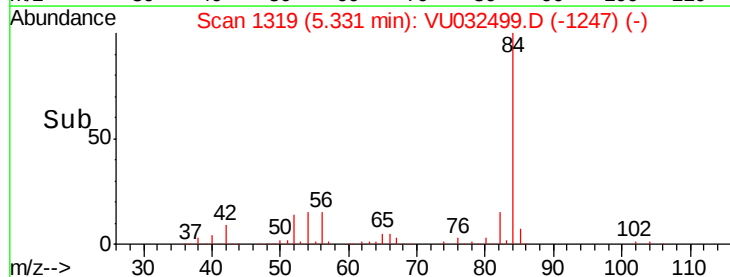
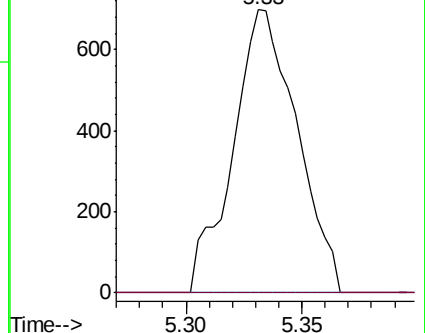
62 100

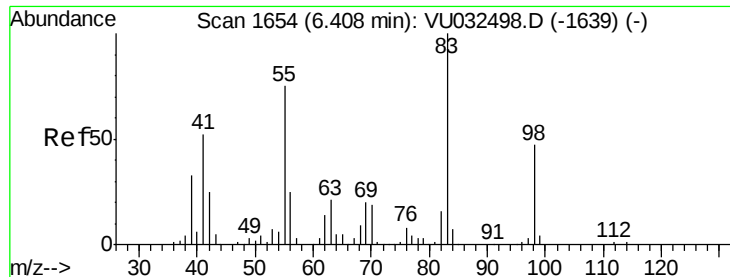
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032498.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU032498.D (-1326) (-)





#35

Methylcyclohexane

Concen: 8.050 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032499.D

Acq: 06 Jun 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

VBLK50

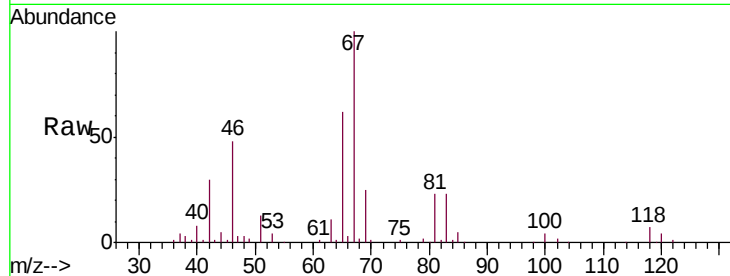
Tgt Ion: 83 Resp: 17972

Ion Ratio Lower Upper

83 100

55 0.2 60.2 90.4#

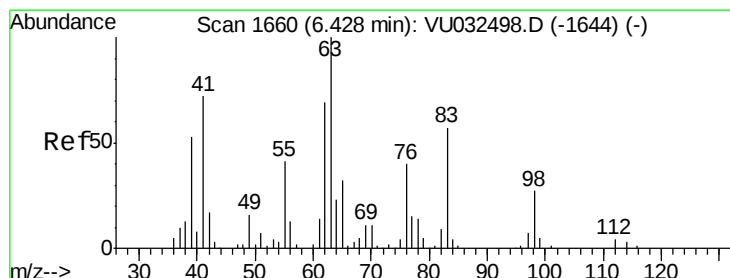
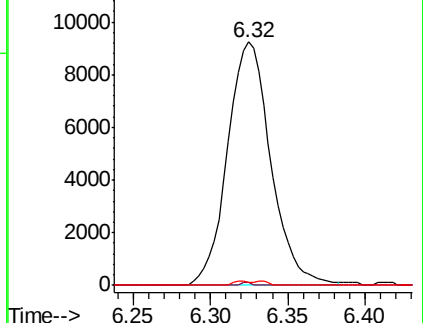
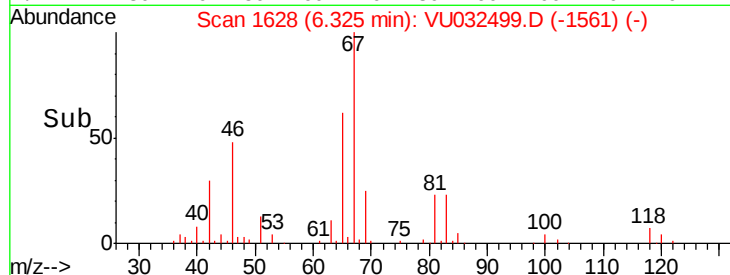
98 0.8 37.4 56.2#



Abundance Ion 83.00 (82.70 to 83.70): VU032499.D (-1561) (-)

Ion 55.00 (54.70 to 55.70): VU032499.D (-1561) (-)

Ion 98.00 (97.70 to 98.70): VU032499.D (-1561) (-)



#37

1,2-Dichloropropane

Concen: 6.342 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032499.D

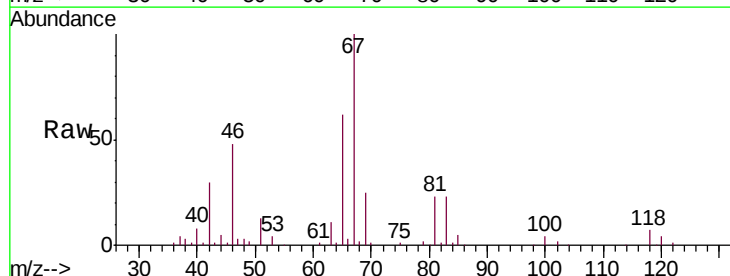
Acq: 06 Jun 2019 16:08

Tgt Ion: 63 Resp: 8522

Ion Ratio Lower Upper

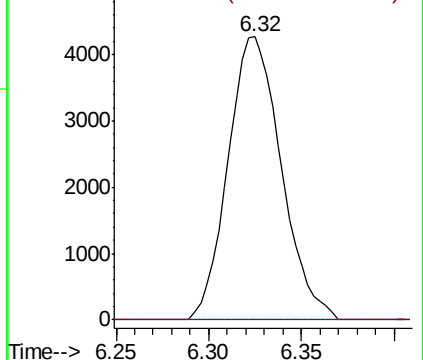
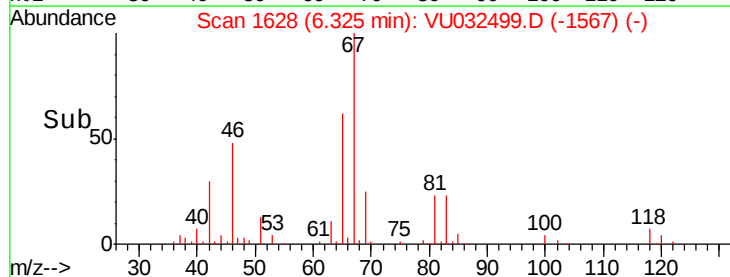
63 100

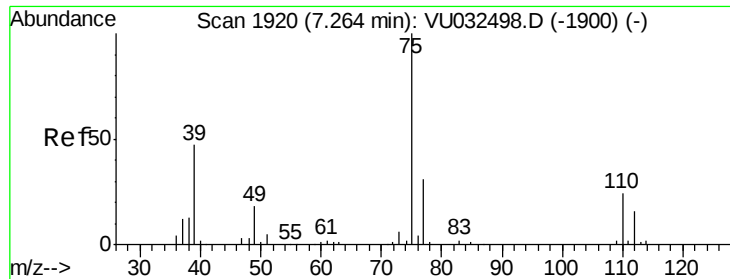
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU032499.D (-1567) (-)

Ion 112.00 (111.70 to 112.70): VU032499.D (-1567) (-)

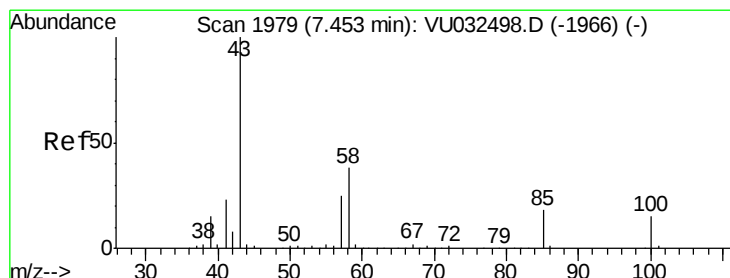
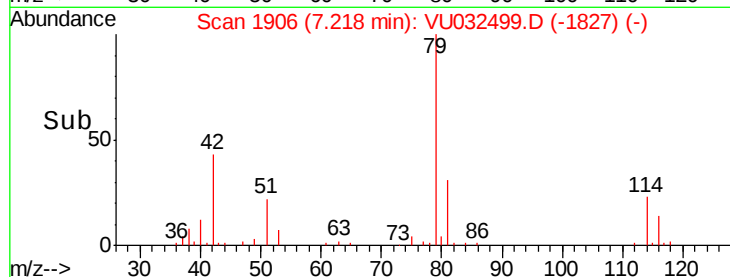
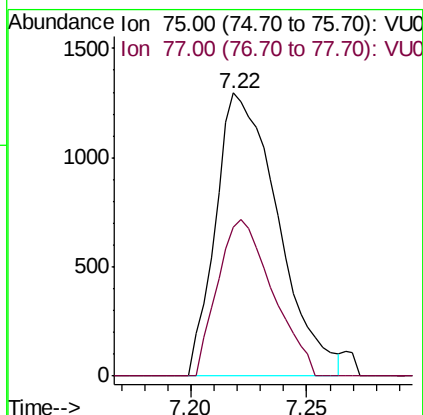
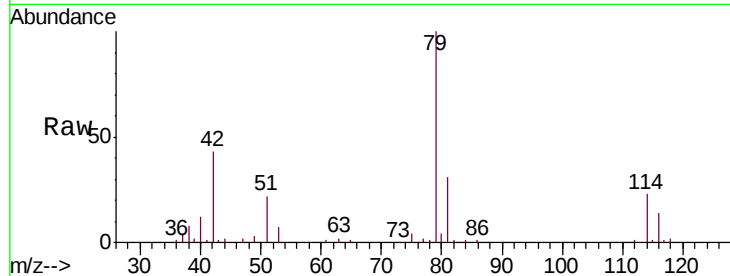




#39
 cis-1,3-Dichloropropene
 Concen: 1.144 ug/L
 RT: 7.22 min Scan# 1906
 Delta R.T. -0.05 min
 Lab File: VU032499.D
 Acq: 06 Jun 2019 16:08

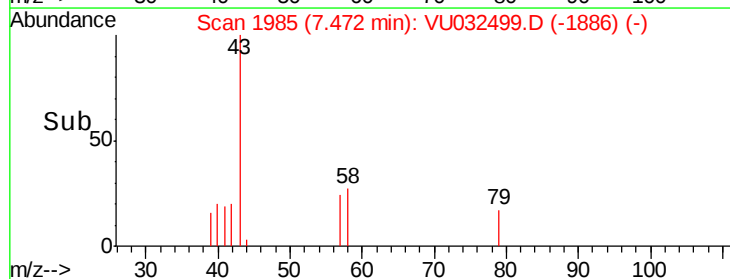
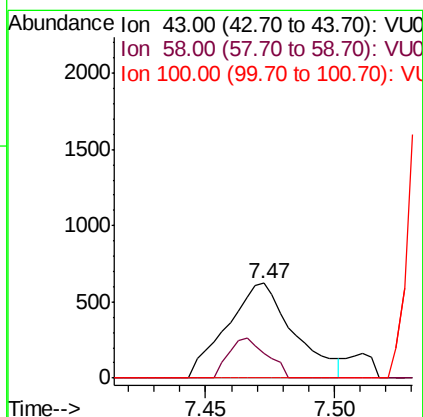
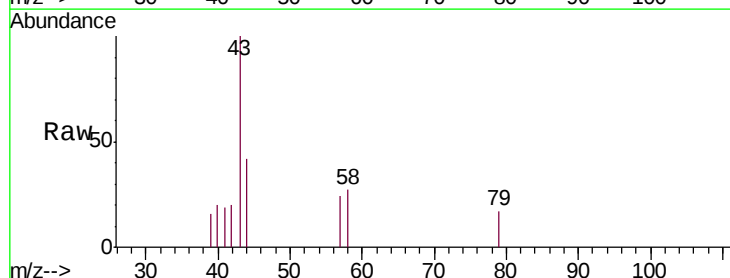
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK50

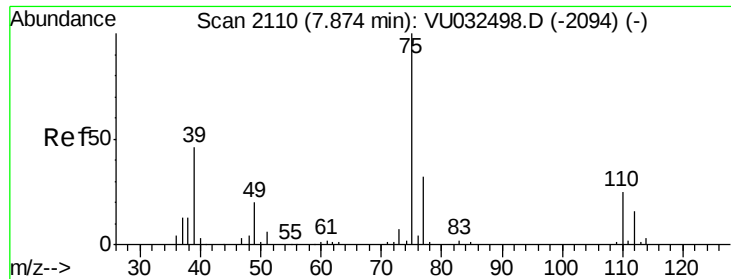
Tgt Ion: 75 Resp: 2426
 Ion Ratio Lower Upper
 75 100
 77 52.8 22.0 41.0#



#40
 4-Methyl-2-pentanone
 Concen: 0.519 ug/L
 RT: 7.47 min Scan# 1985
 Delta R.T. 0.02 min
 Lab File: VU032499.D
 Acq: 06 Jun 2019 16:08

Tgt Ion: 43 Resp: 1121
 Ion Ratio Lower Upper
 43 100
 58 24.1 30.8 46.2#
 100 0.0 12.1 18.1#

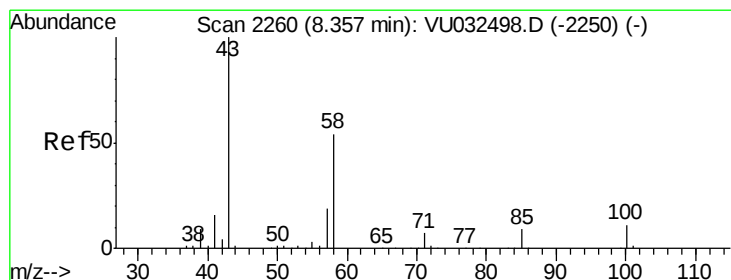
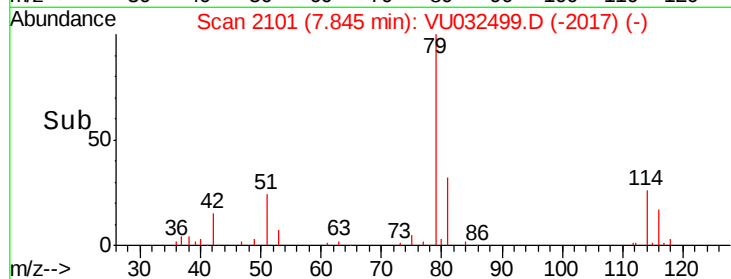
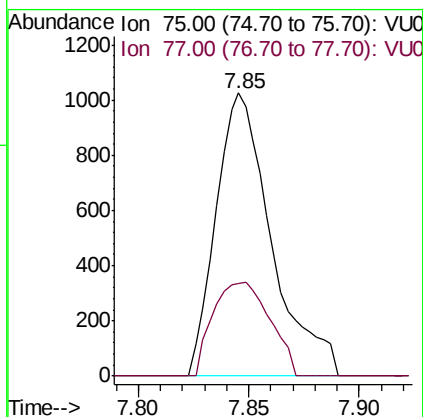
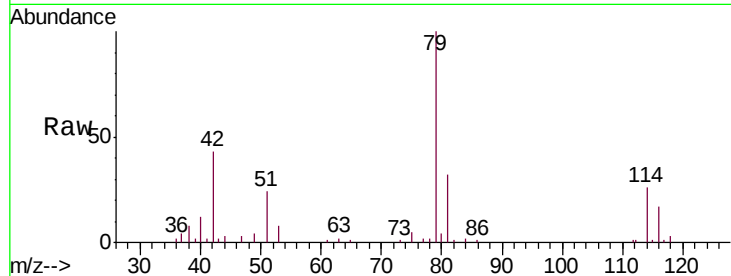




#44
trans-1,3-Dichloropropene
Concen: 0.946 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032499.D
Acq: 06 Jun 2019 16:08

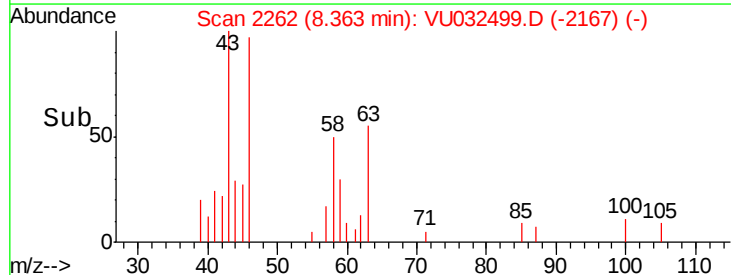
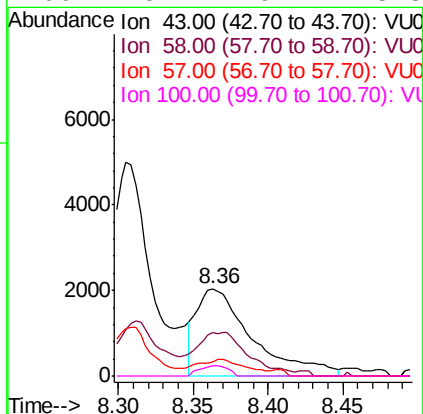
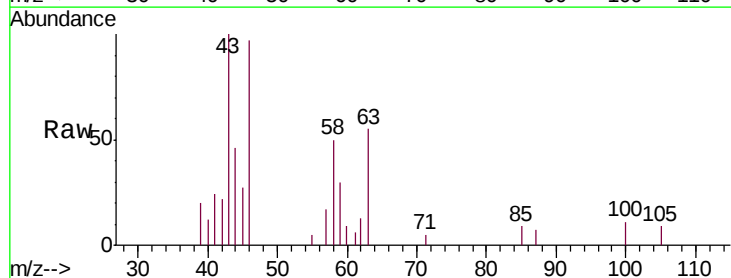
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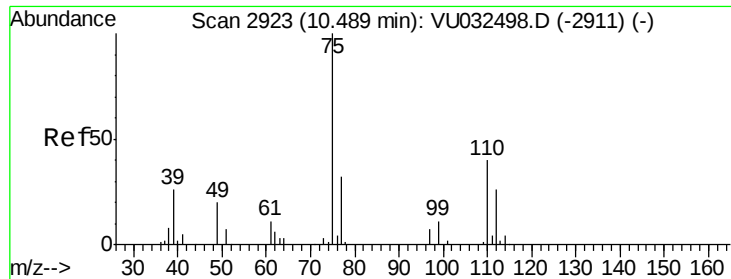
Tgt Ion: 75 Resp: 1781
Ion Ratio Lower Upper
75 100
77 32.9 22.1 41.1



#48
2-Hexanone
Concen: 2.973 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU032499.D
Acq: 06 Jun 2019 16:08

Tgt Ion: 43 Resp: 5279
Ion Ratio Lower Upper
43 100
58 8.4 42.0 63.0#
57 10.7 14.6 22.0#
100 6.1 9.2 13.8#

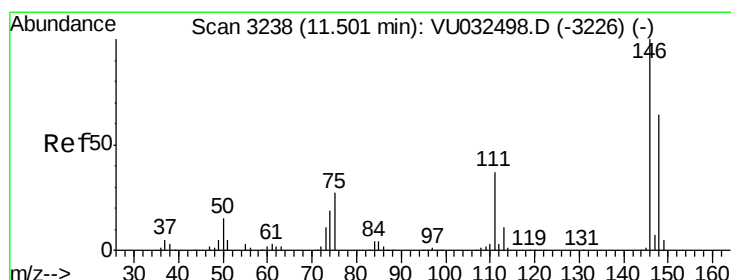
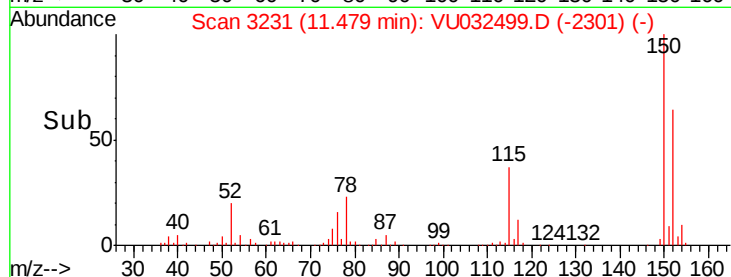
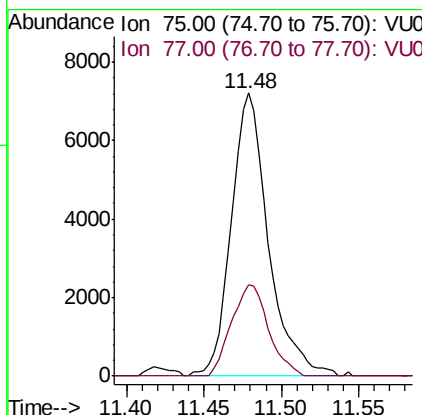
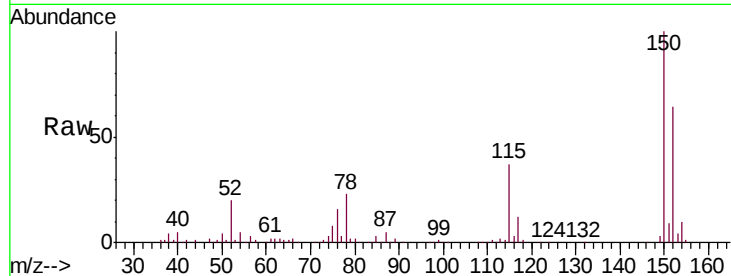




#59
 1,2,3-Trichloropropane
 Concen: 6.862 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032499.D
 Acq: 06 Jun 2019 16:08

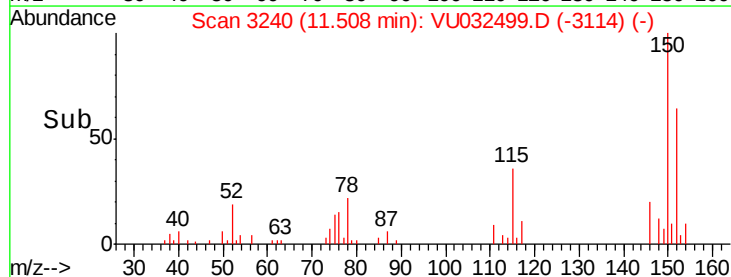
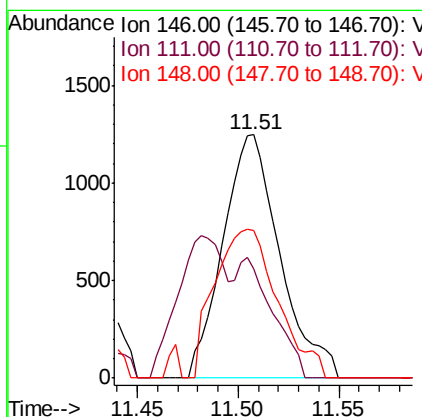
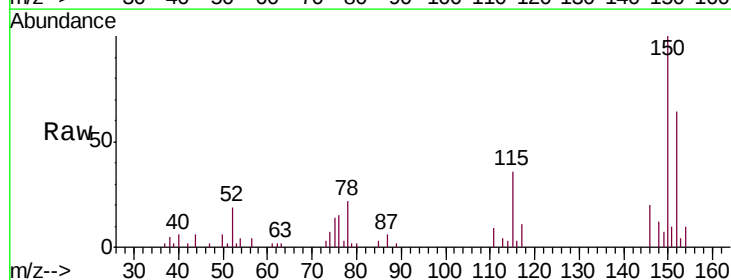
Instrument :
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 VBLK50

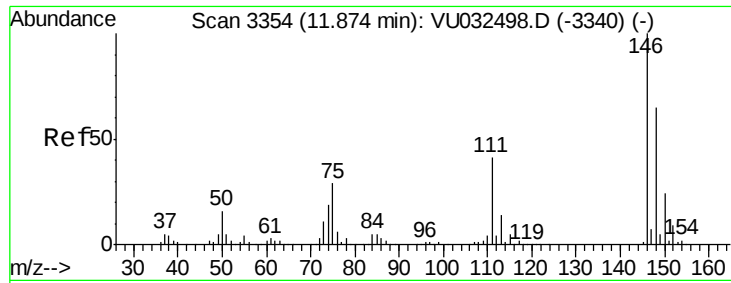
Tgt Ion: 75 Resp: 11986
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.6 38.4



#63
 1,4-Dichlorobenzene
 Concen: 0.829 ug/L
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.01 min
 Lab File: VU032499.D
 Acq: 06 Jun 2019 16:08

Tgt Ion: 146 Resp: 2462
 Ion Ratio Lower Upper
 146 100
 111 44.8 26.6 49.4
 148 60.5 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 0.767 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU032499.D

Acq: 06 Jun 2019 16:08

Instrument :

MSVOA_U

ClientSampleId :

VBLK50

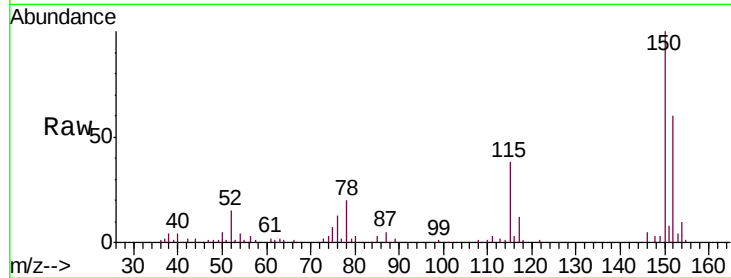
Tgt Ion:146 Resp: 2252

Ion Ratio Lower Upper

146 100

111 52.2 32.6 48.8#

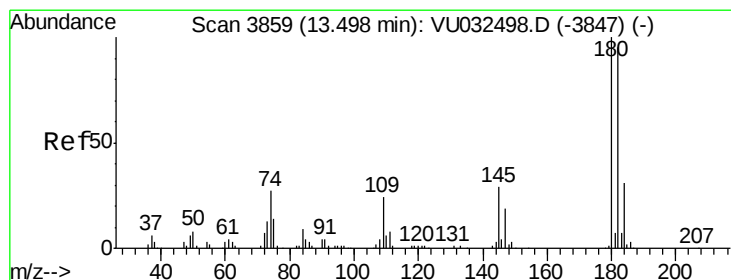
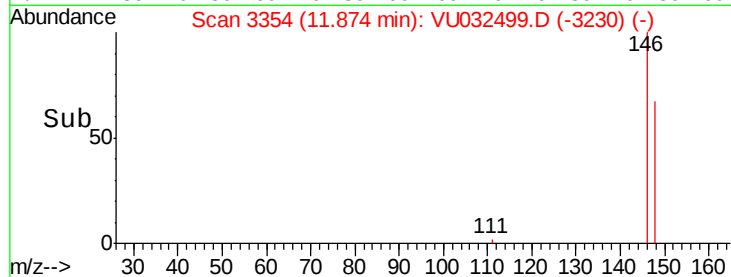
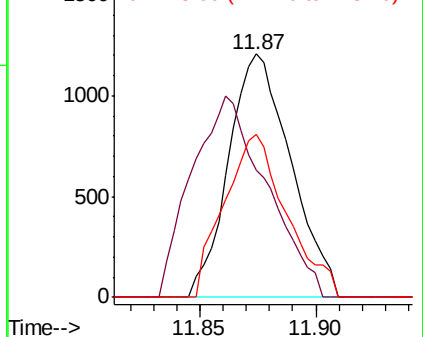
148 66.9 50.5 75.7



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



#68

1,2,4-trichlorobenzene

Concen: 0.596 ug/L

RT: 13.52 min Scan# 3866

Delta R.T. 0.02 min

Lab File: VU032499.D

Acq: 06 Jun 2019 16:08

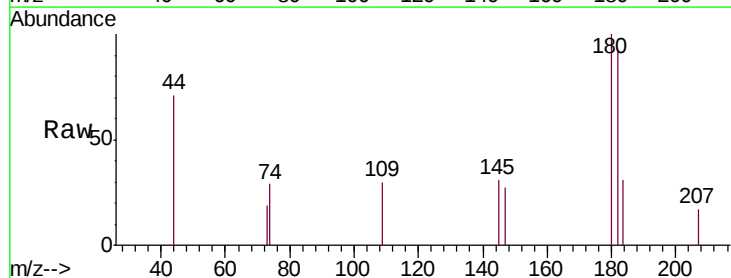
Tgt Ion:180 Resp: 1142

Ion Ratio Lower Upper

180 100

182 110.6 76.5 114.7

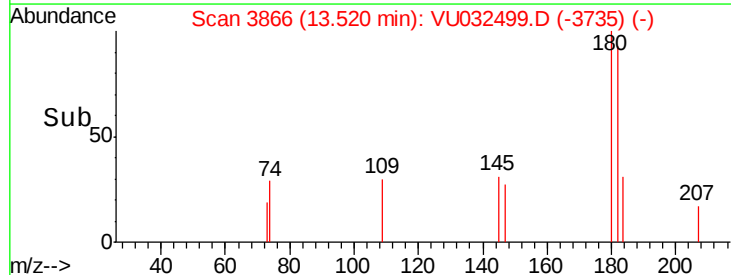
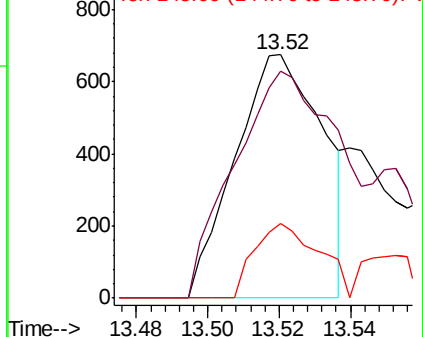
145 22.7 23.8 35.6#

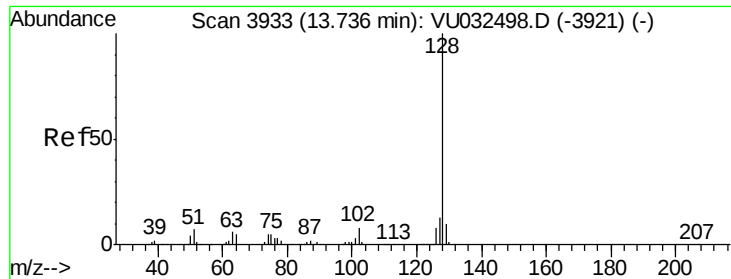


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

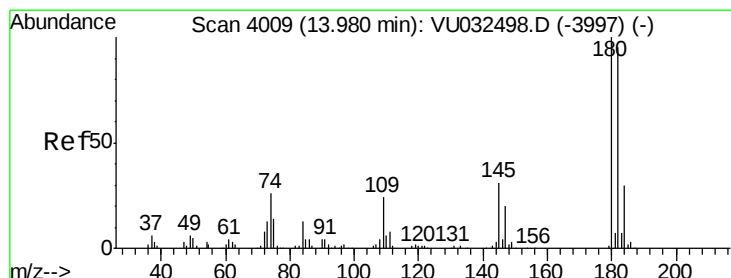
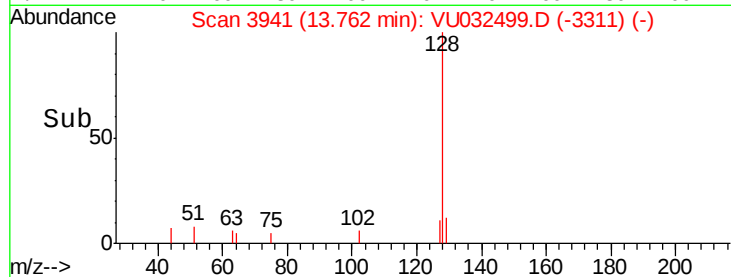
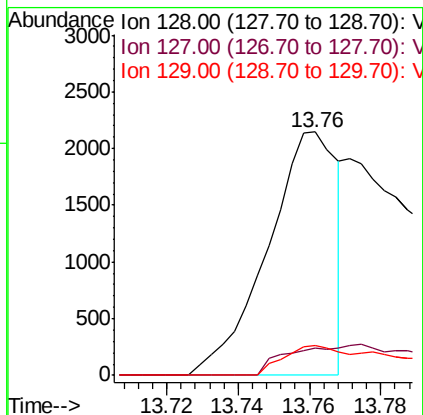
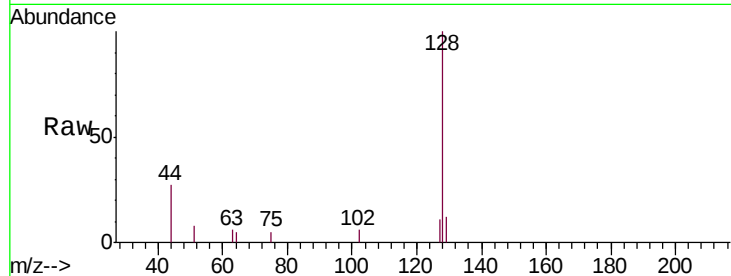




#69
Naphthalene
Concen: 0.482 ug/L
RT: 13.76 min Scan# 3941
Delta R.T. 0.03 min
Lab File: VU032499.D
Acq: 06 Jun 2019 16:08

Instrument :
MSVOA_U
ClientSampleId :
VBLK50

Tgt Ion:128 Resp: 2911
Ion Ratio Lower Upper
128 100
127 8.1 10.4 15.6#
129 10.6 8.5 12.7



#70
1,2,3-Trichlorobenzene
Concen: 1.115 ug/L
RT: 14.00 min Scan# 4015
Delta R.T. 0.02 min
Lab File: VU032499.D
Acq: 06 Jun 2019 16:08

Tgt Ion:180 Resp: 2221
Ion Ratio Lower Upper
180 100
182 91.6 76.7 115.1
145 24.1 25.4 38.2#

