

Data File : VU032619.D
Acq On : 11 Jun 2019 18:52
Operator : JC/SP
Sample : K3292-03MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8P5MS

Quant Time: Jun 12 07:32:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 12 07:28:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	173920	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	165166	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	84258	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44233	39.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.40%
7) Chloroethane-d5	1.67	69	39671	43.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.50%
11) 1,1-Dichloroethene-d2	2.27	63	99568	45.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.14%
21) 2-Butanone-d5	4.17	46	99457	105.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.32%
24) Chloroform-d	4.64	84	100205	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.24%
26) 1,2-Dichloroethane-d4	5.30	65	67756	51.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.22%
32) Benzene-d6	5.33	84	201448	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
36) 1,2-Dichloropropane-d6	6.32	67	65371	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.24%
41) Toluene-d8	7.56	98	182386	44.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.72%
43) trans-1,3-Dichloropropene-	7.85	79	30186	46.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.82%
47) 2-Hexanone-d5	8.31	63	60172	92.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	98093	50.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.70%
64) 1,2-Dichlorobenzene-d4	11.85	152	78807	48.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.66%

Target Compounds

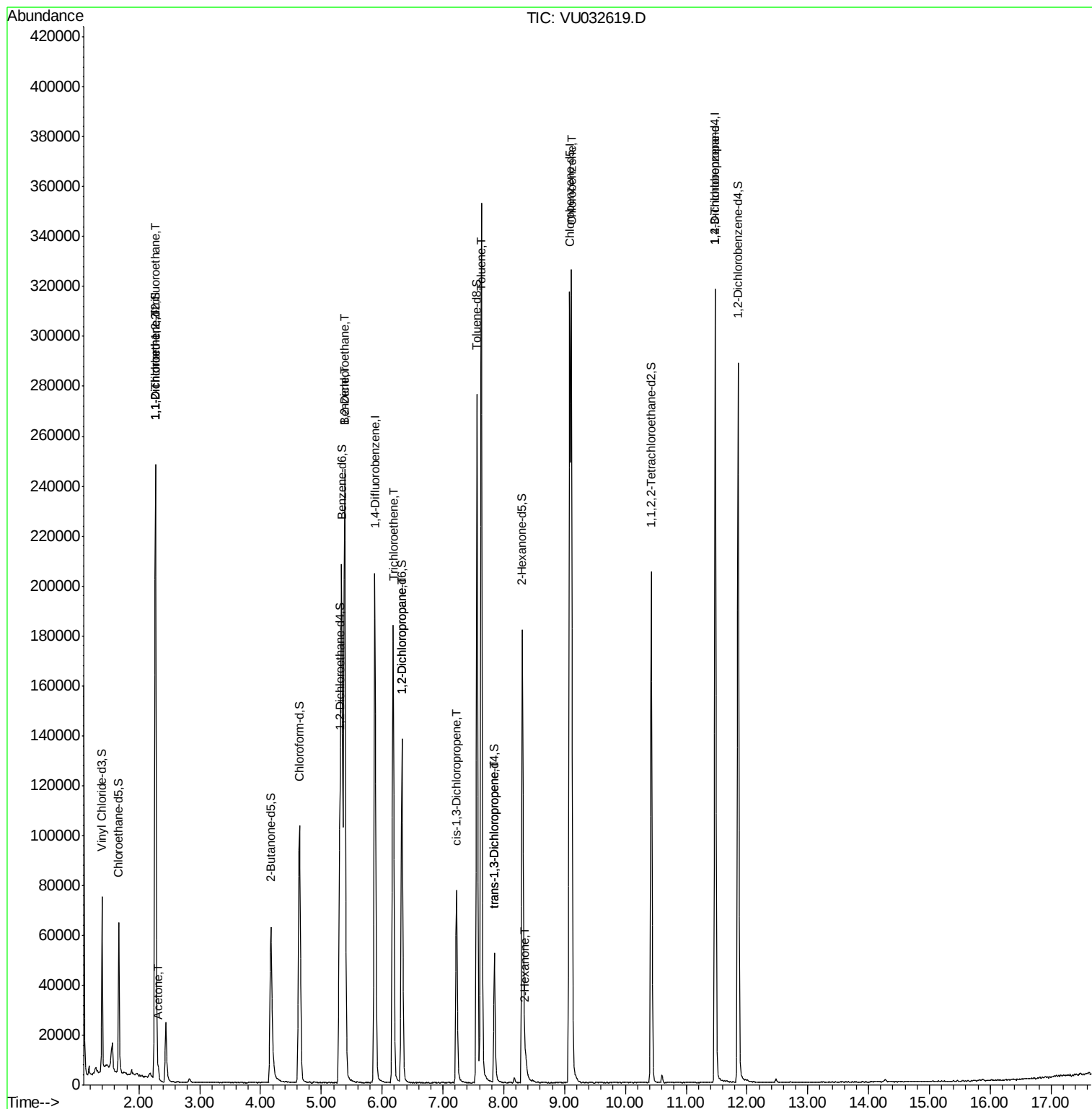
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	696	0.655	ug/L #	18
12) 1,1-Dichloroethene	2.28	96	53702	52.037	ug/L	82
13) Acetone	2.32	43	4746	4.871	ug/L	96
27) 1,2-Dichloroethane	5.38	62	2069	1.244	ug/L #	75
33) Benzene	5.38	78	236097	50.876	ug/L	100
34) Trichloroethene	6.18	95	61786	48.938	ug/L	99
37) 1,2-Dichloropropane	6.32	63	7281	5.919	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	1982	1.021	ug/L	94
42) Toluene	7.63	91	253986	49.975	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	1274	0.740	ug/L	91
48) 2-Hexanone	8.36	43	4865	2.993	ug/L #	76
51) Chlorobenzene	9.11	112	169174	51.667	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	10040	6.278	ug/L	89

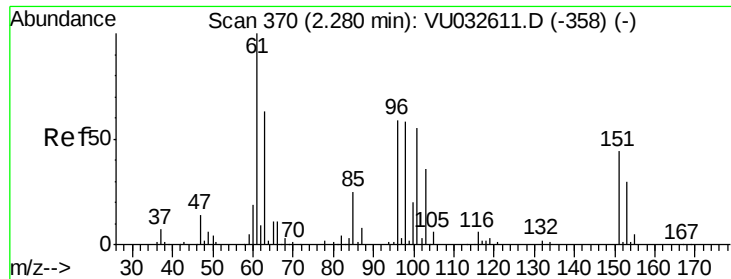
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.655 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032619.D

Acq: 11 Jun 2019 18:52

Instrument :

MSVOA_U

ClientSampleId :

DB8P5MS

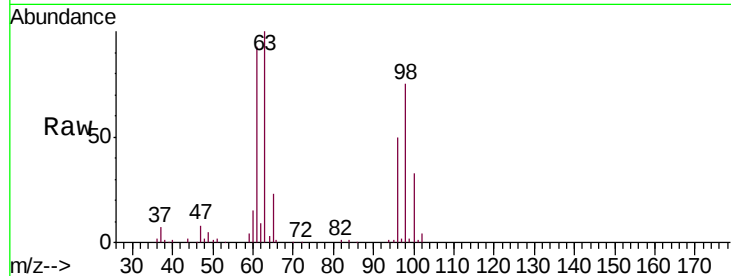
Tgt Ion: 101 Resp: 696

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

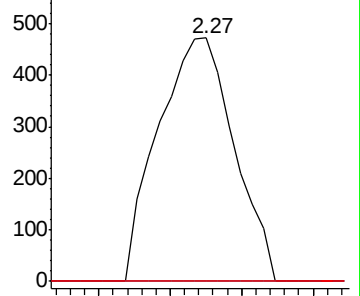
151 0.0 63.0 94.4#



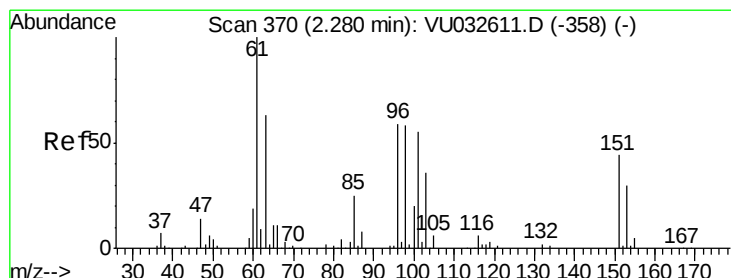
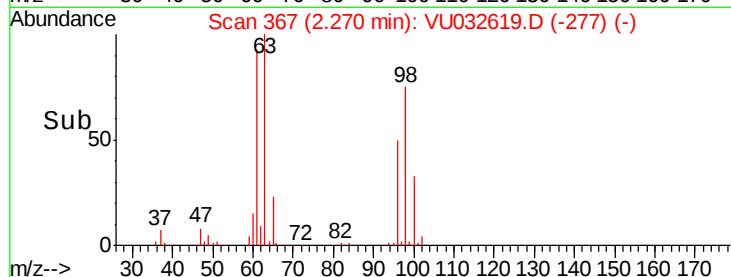
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 52.037 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032619.D

Acq: 11 Jun 2019 18:52

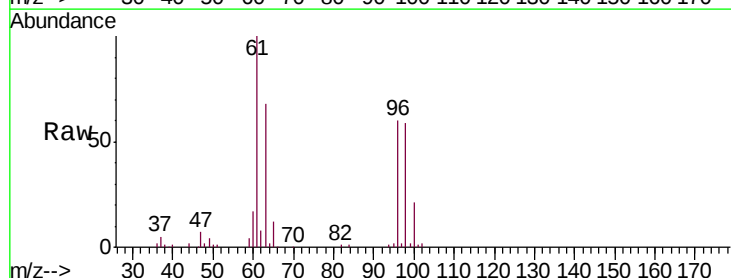
Tgt Ion: 96 Resp: 53702

Ion Ratio Lower Upper

96 100

61 167.5 129.5 240.5

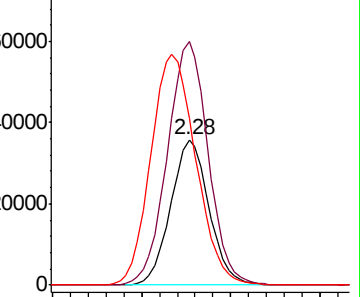
63 114.8 103.4 192.0



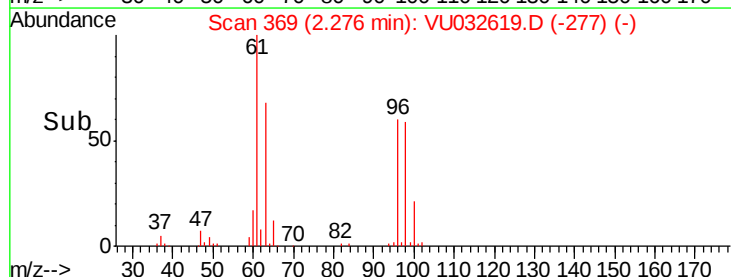
Abundance Ion 96.00 (95.70 to 96.70): VU0

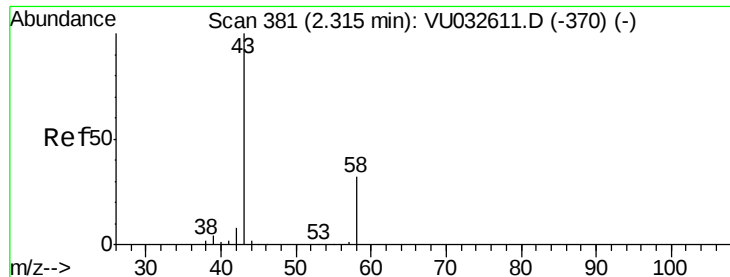
Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->





#13

Acetone

Concen: 4.871 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032619.D

Acq: 11 Jun 2019 18:52

Instrument :

MSVOA_U

ClientSampleId :

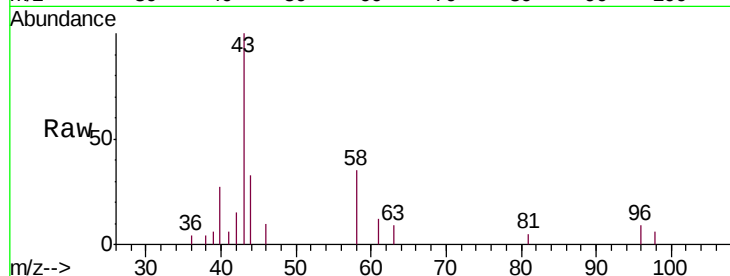
DB8P5MS

Tgt Ion: 43 Resp: 4746

Ion Ratio Lower Upper

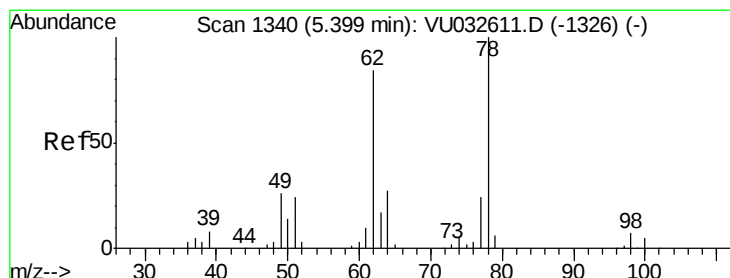
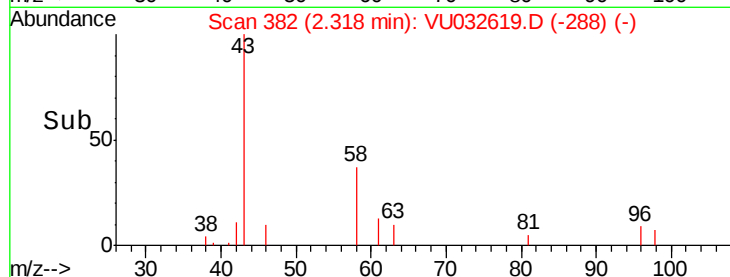
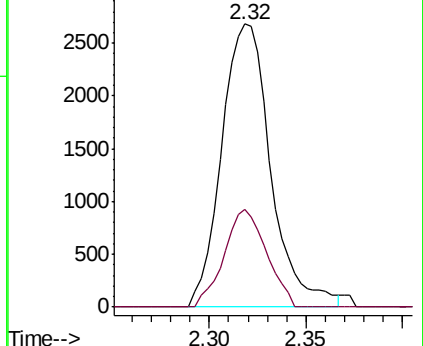
43 100

58 29.7 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032619.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VU032619.D (-370) (-)



#27

1,2-Dichloroethane

Concen: 1.244 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VU032619.D

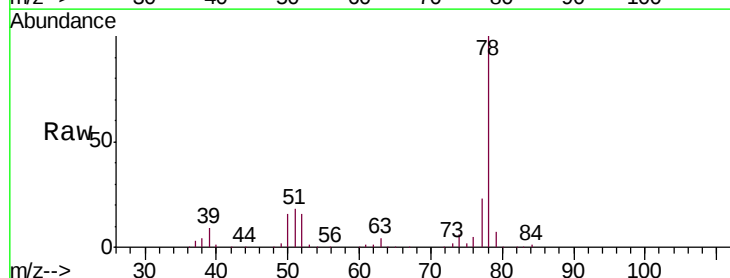
Acq: 11 Jun 2019 18:52

Tgt Ion: 62 Resp: 2069

Ion Ratio Lower Upper

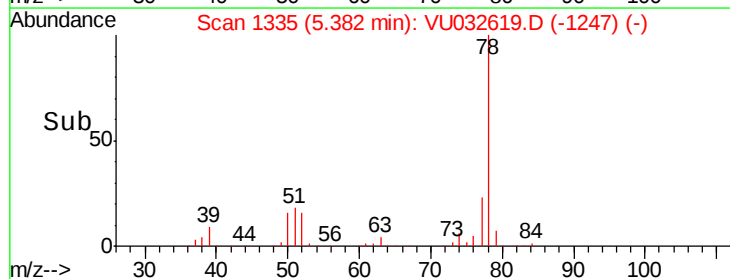
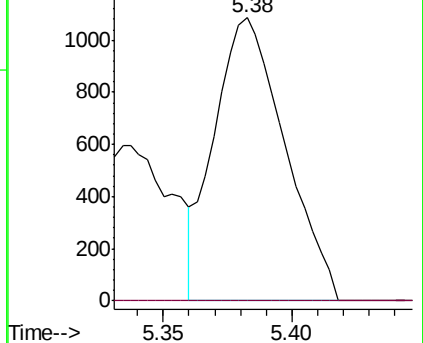
62 100

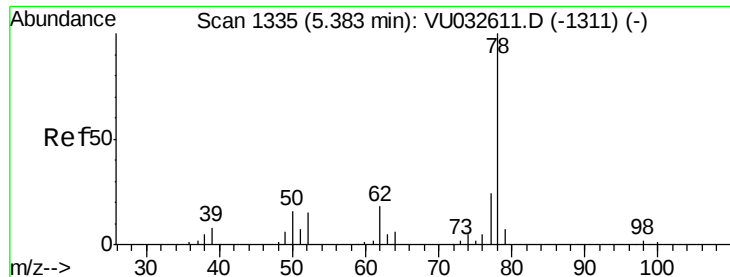
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032619.D (-1247) (-)

Ion 98.00 (97.70 to 98.70): VU032619.D (-1247) (-)





#33

Benzene

Concen: 50.876 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU032619.D

Acq: 11 Jun 2019 18:52

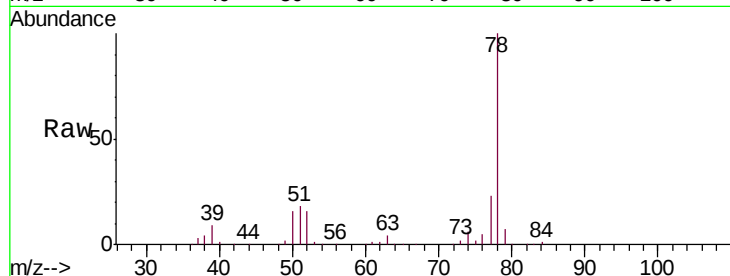
Instrument :

MSVOA_U

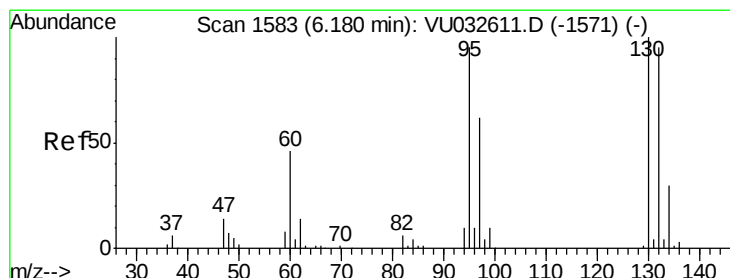
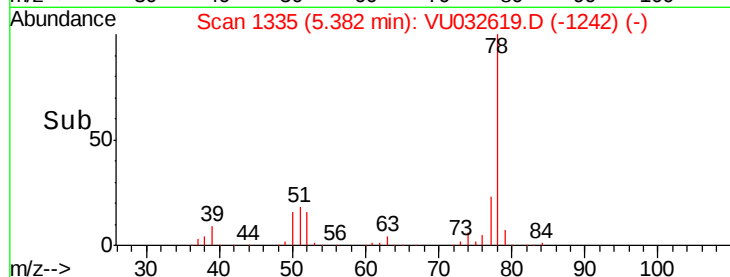
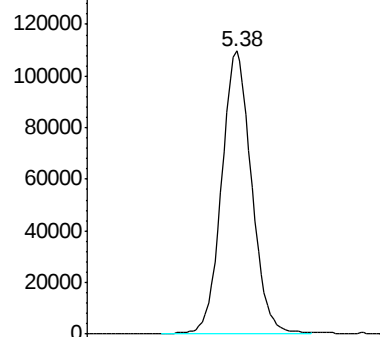
ClientSampleId :

DB8P5MS

Tgt Ion: 78 Resp: 236097



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 48.938 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032619.D

Acq: 11 Jun 2019 18:52

Tgt Ion: 95 Resp: 61786

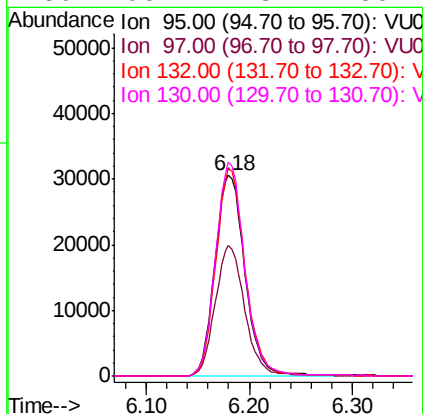
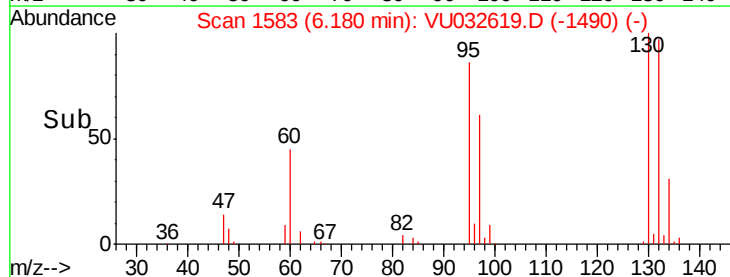
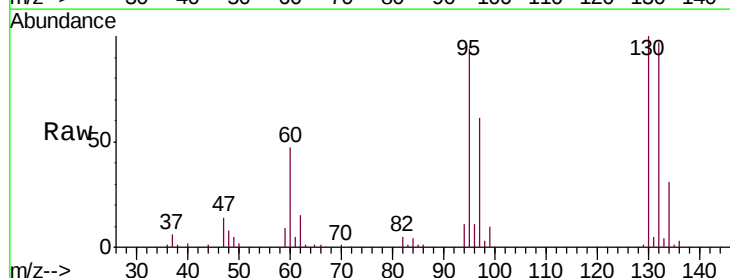
Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.8	85.2
132	103.3	71.0	131.8
130	106.4	73.4	136.2

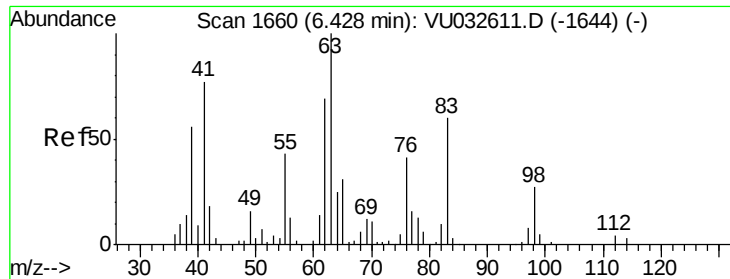
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

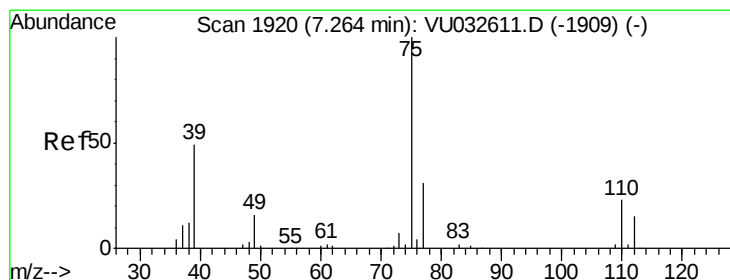
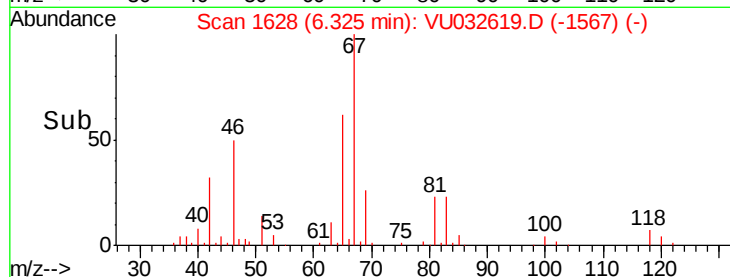
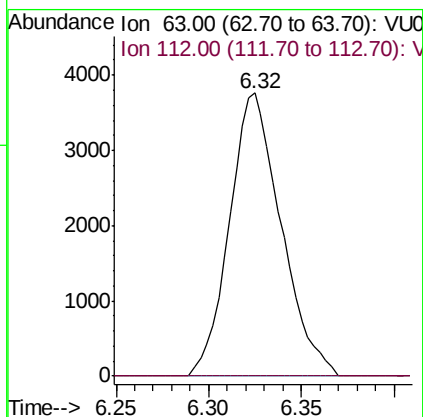
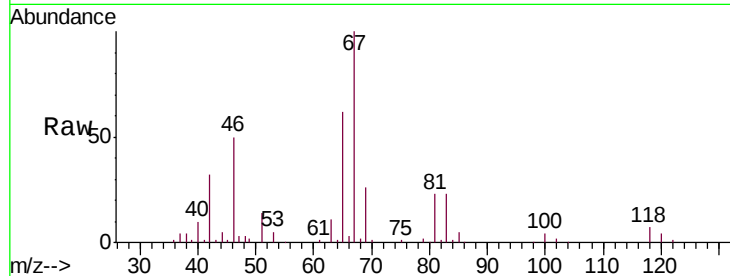




#37
 1,2-Dichloropropane
 Concen: 5.919 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032619.D
 Acq: 11 Jun 2019 18:52

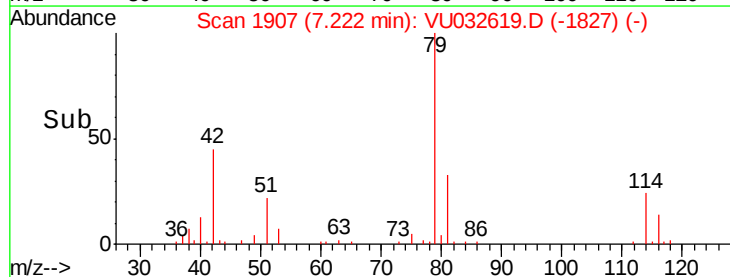
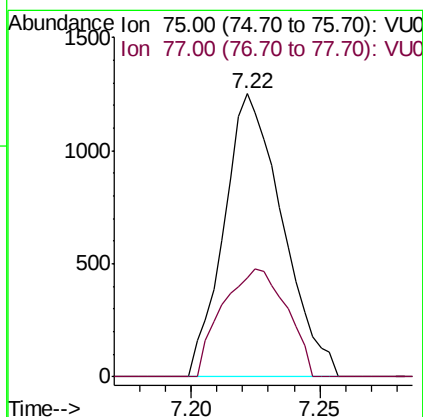
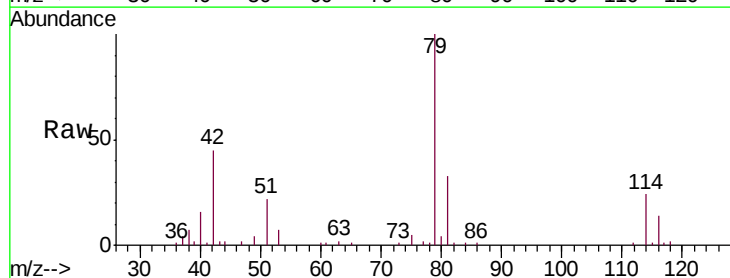
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8P5MS

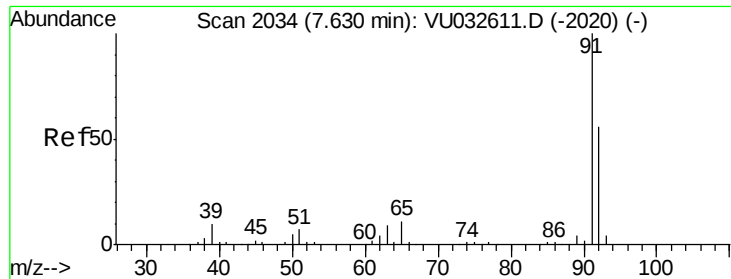
Tgt Ion: 63 Resp: 7281
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.021 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032619.D
 Acq: 11 Jun 2019 18:52

Tgt Ion: 75 Resp: 1982
 Ion Ratio Lower Upper
 75 100
 77 34.9 22.0 41.0





#42

Toluene

Concen: 49.975 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032619.D

Acq: 11 Jun 2019 18:52

Instrument :

MSVOA_U

ClientSampleId :

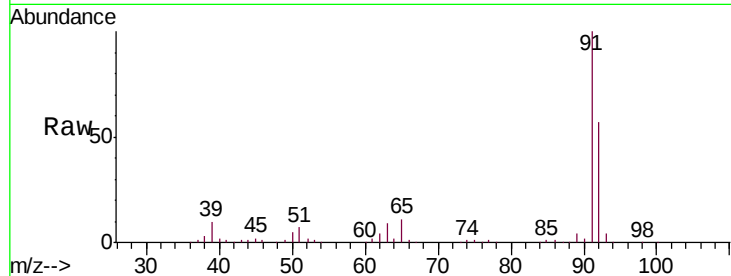
DB8P5MS

Tgt Ion: 91 Resp: 253986

Ion Ratio Lower Upper

91 100

92 57.4 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032611.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032611.D (-2020) (-)

7.63

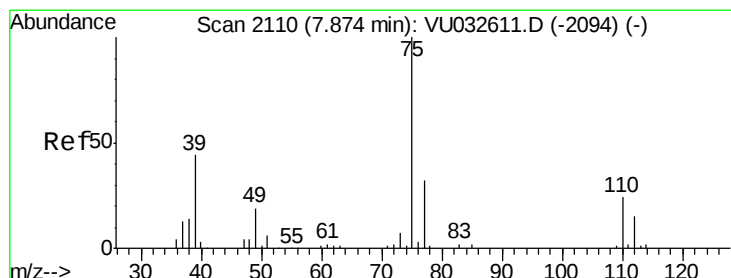
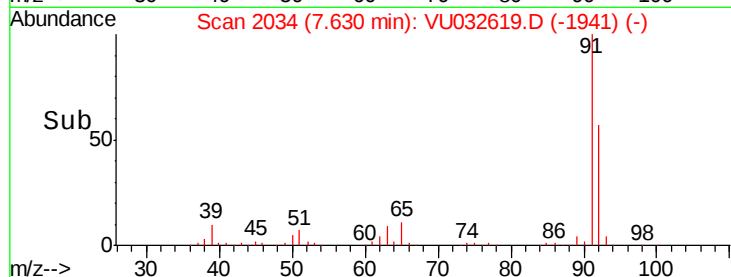
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.740 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032619.D

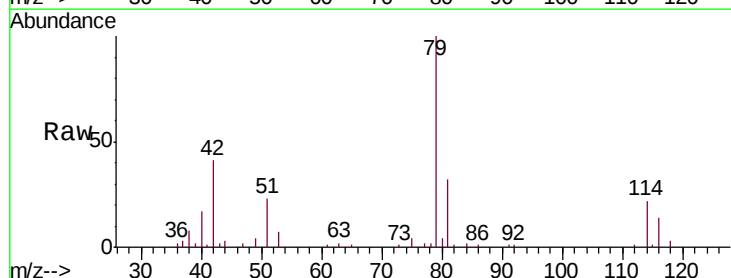
Acq: 11 Jun 2019 18:52

Tgt Ion: 75 Resp: 1274

Ion Ratio Lower Upper

75 100

77 36.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032611.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032611.D (-2094) (-)

7.85

800

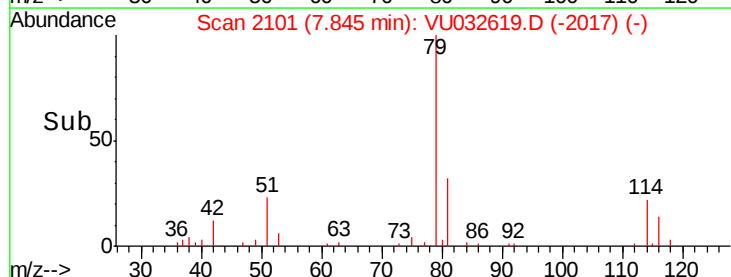
600

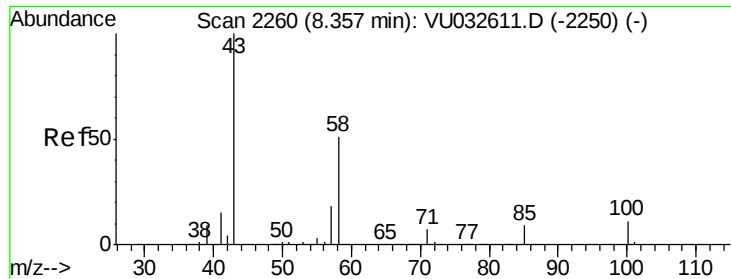
400

200

0

Time-->

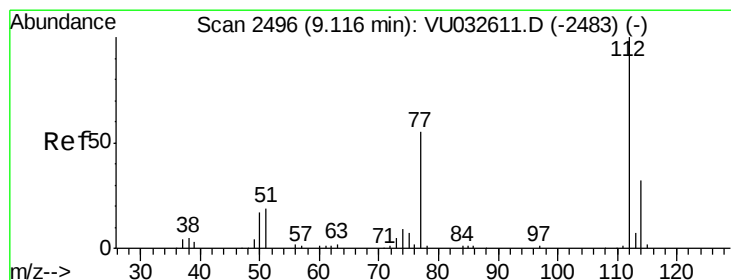
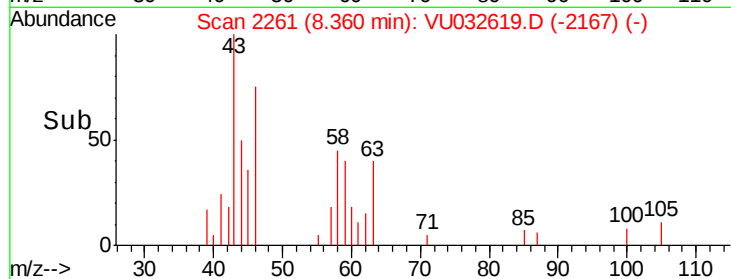
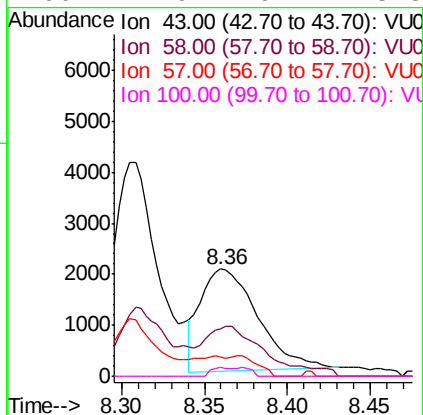
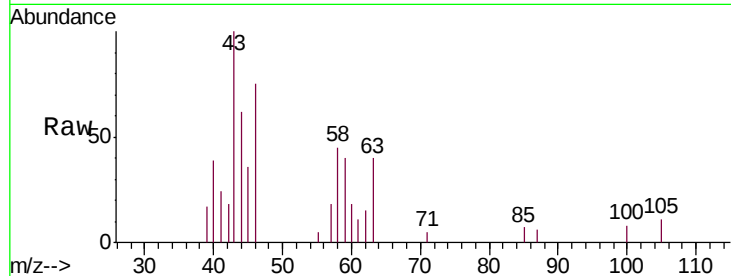




#48
2-Hexanone
Concen: 2.993 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032619.D
Acq: 11 Jun 2019 18:52

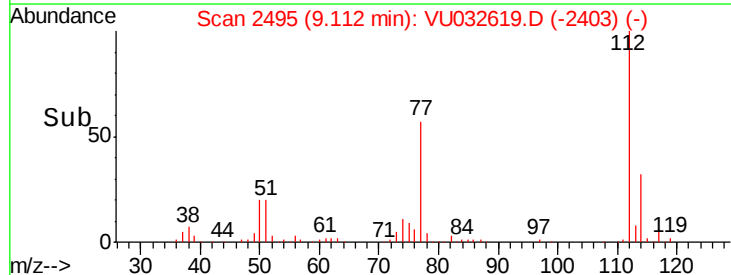
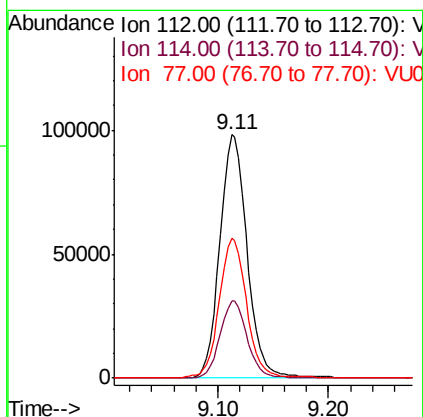
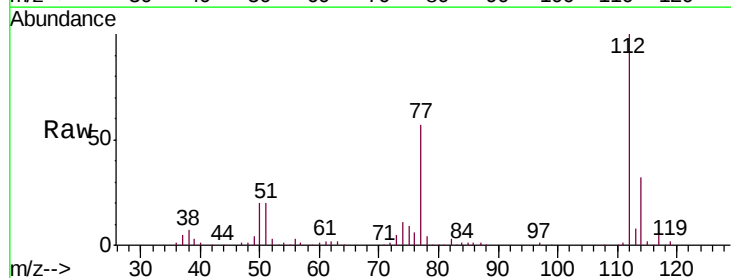
Instrument :
MSVOA_U
ClientSampleId :
DB8P5MS

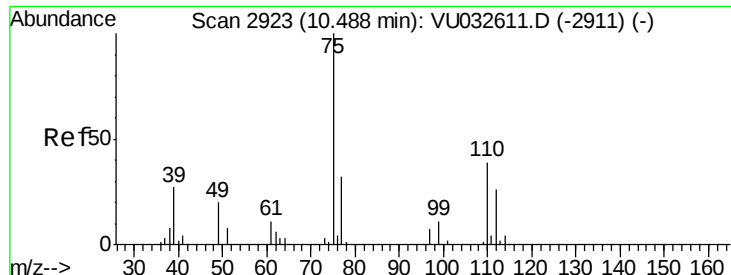
Tgt Ion: 43 Resp: 4865
Ion Ratio Lower Upper
43 100
58 40.0 42.0 63.0#
57 0.0 14.6 22.0#
100 2.9 9.2 13.8#



#51
Chlorobenzene
Concen: 51.667 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032619.D
Acq: 11 Jun 2019 18:52

Tgt Ion: 112 Resp: 169174
Ion Ratio Lower Upper
112 100
114 31.6 22.6 42.0
77 57.4 46.1 69.1





#59

1,2,3-Trichloropropane

Concen: 6.278 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032619.D

Acq: 11 Jun 2019 18:52

Instrument :

MSVOA_U

ClientSampleId :

DB8P5MS

Tgt Ion: 75 Resp: 10040

Ion Ratio Lower Upper

75 100

77 38.1 25.6 38.4

