

Data File : VU032620.D
Acq On : 11 Jun 2019 19:15
Operator : JC/SP
Sample : K3292-04MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8P5MSD

Quant Time: Jun 12 07:33:04 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	171647	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	163243	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	83491	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44956	40.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.74%
7) Chloroethane-d5	1.67	69	39238	43.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.70%
11) 1,1-Dichloroethene-d2	2.27	63	98492	45.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.34%
21) 2-Butanone-d5	4.17	46	96061	103.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.08%
24) Chloroform-d	4.64	84	99853	48.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.16%
26) 1,2-Dichloroethane-d4	5.30	65	67840	51.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.70%
32) Benzene-d6	5.33	84	198588	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.72%
36) 1,2-Dichloropropane-d6	6.32	67	64505	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.08%
41) Toluene-d8	7.56	98	181910	45.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.54%
43) trans-1,3-Dichloropropene-	7.85	79	29624	46.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.16%
47) 2-Hexanone-d5	8.31	63	54808	85.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.03%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	97181	50.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.94%
64) 1,2-Dichlorobenzene-d4	11.85	152	79854	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%

Target Compounds

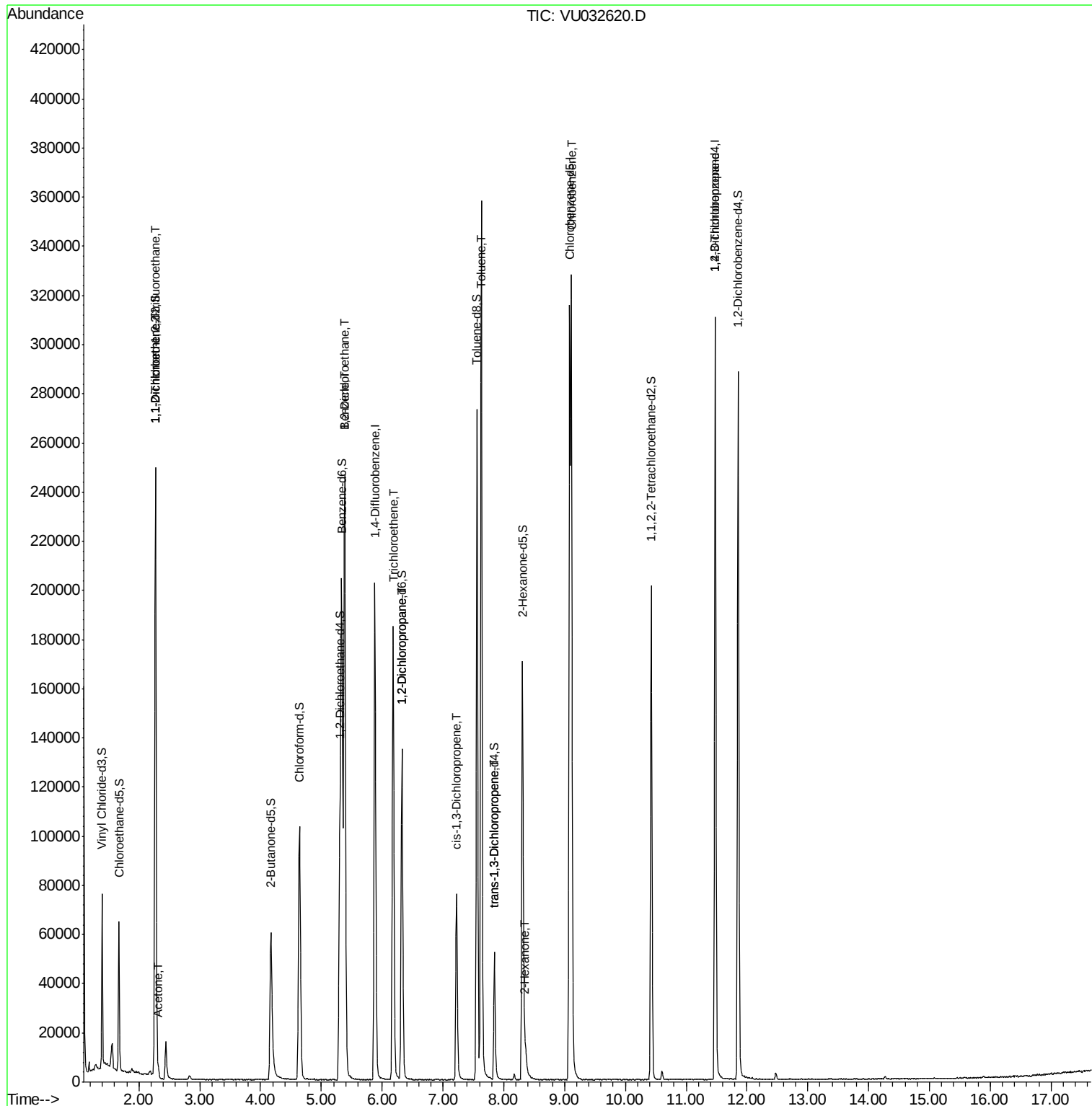
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	664	0.633 ug/L #	18
12) 1,1-Dichloroethene	2.28	96	53326	52.357 ug/L	86
13) Acetone	2.32	43	3529	3.670 ug/L	91
27) 1,2-Dichloroethane	5.39	62	2504	1.526 ug/L #	75
33) Benzene	5.38	78	238788	52.062 ug/L	100
34) Trichloroethene	6.18	95	62649	50.206 ug/L	98
37) 1,2-Dichloropropane	6.32	63	7468	6.142 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2029	1.058 ug/L #	51
42) Toluene	7.63	91	257831	51.329 ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	1221	0.717 ug/L	93
48) 2-Hexanone	8.36	43	5688	3.540 ug/L #	73
51) Chlorobenzene	9.11	112	169154	52.269 ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	9590	6.067 ug/L	93

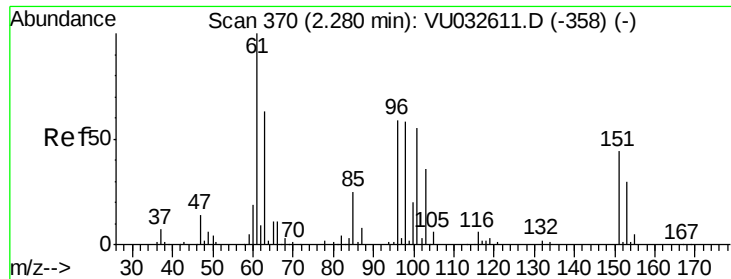
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.633 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032620.D

Acq: 11 Jun 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

DB8P5MSD

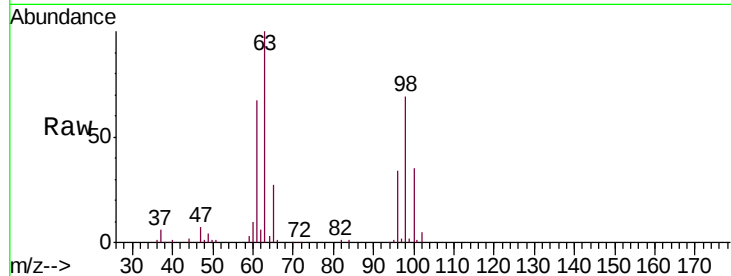
Tgt Ion: 101 Resp: 664

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

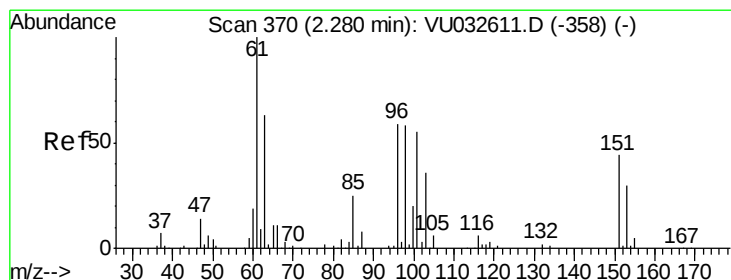
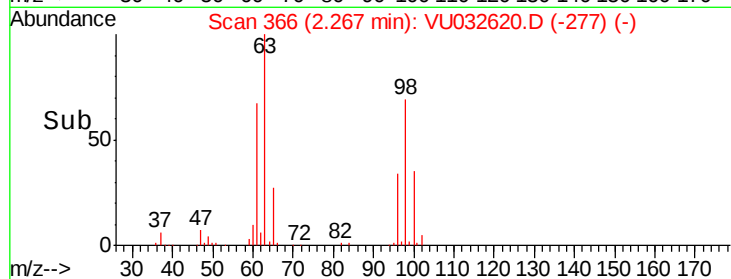
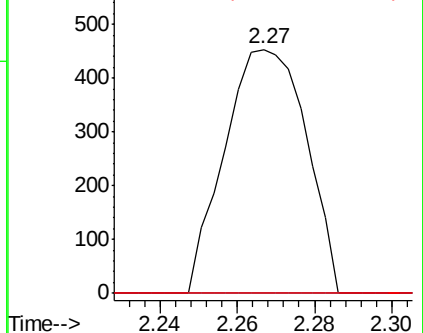
151 0.0 63.0 94.4#



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



#12

1,1-Dichloroethene

Concen: 52.357 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032620.D

Acq: 11 Jun 2019 19:15

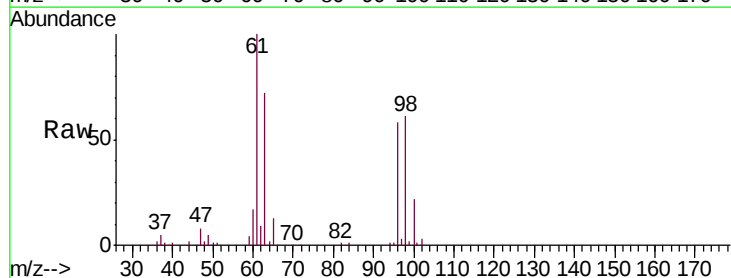
Tgt Ion: 96 Resp: 53326

Ion Ratio Lower Upper

96 100

61 171.3 129.5 240.5

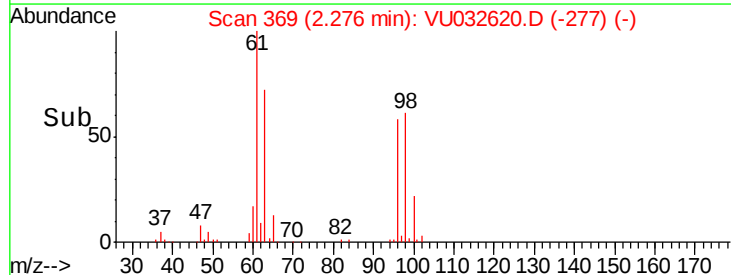
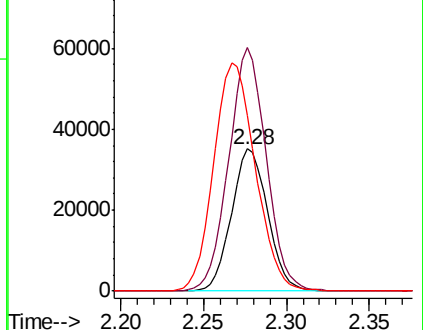
63 123.8 103.4 192.0

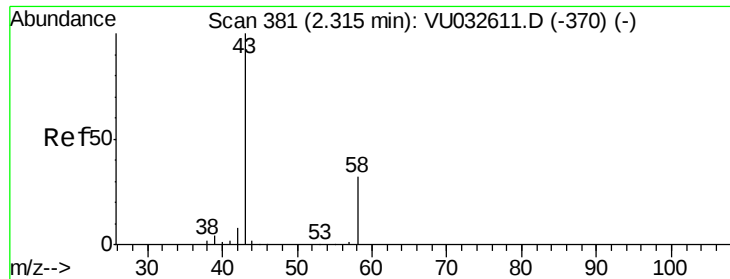


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.670 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032620.D

Acq: 11 Jun 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

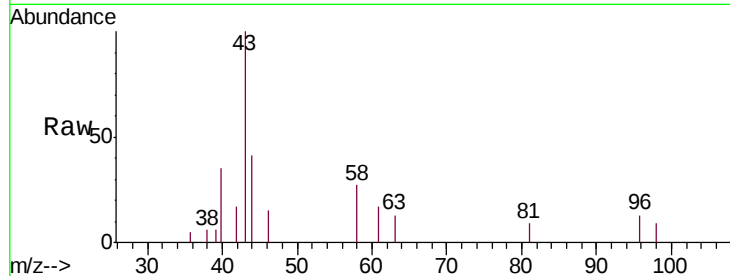
DB8P5MSD

Tgt Ion: 43 Resp: 3529

Ion Ratio Lower Upper

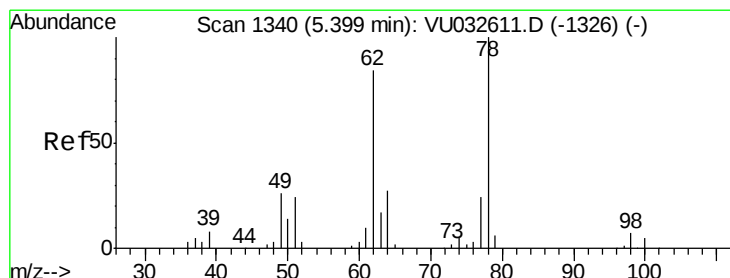
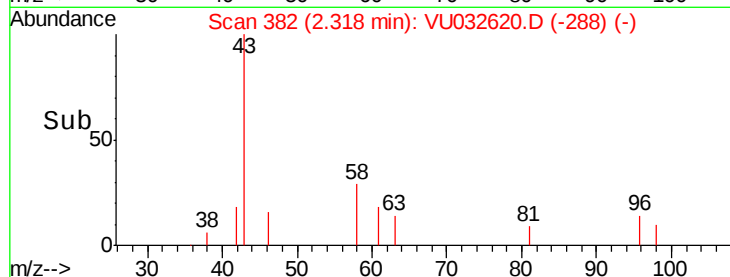
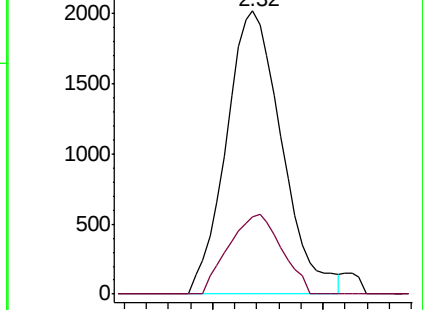
43 100

58 26.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032611.D (-370) (-)

Ion 58.00 (57.70 to 58.70): VU032611.D (-370) (-)



#27

1,2-Dichloroethane

Concen: 1.526 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VU032620.D

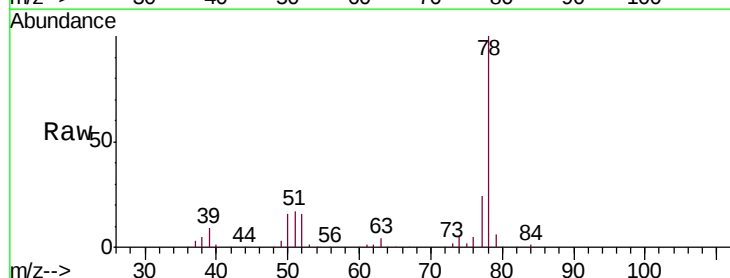
Acq: 11 Jun 2019 19:15

Tgt Ion: 62 Resp: 2504

Ion Ratio Lower Upper

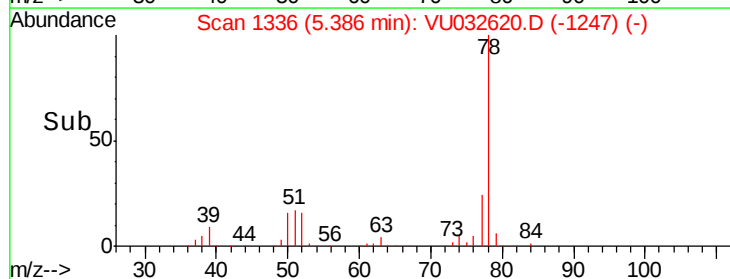
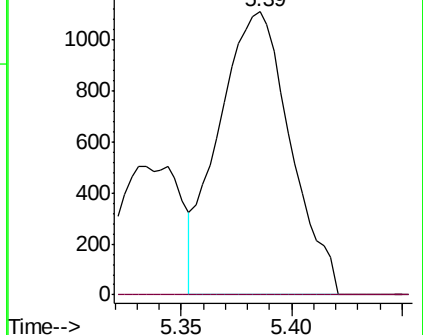
62 100

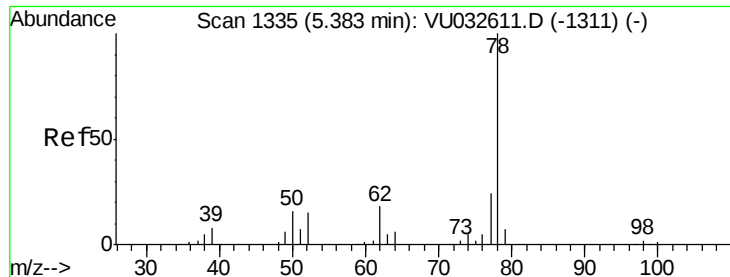
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU032611.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU032611.D (-1326) (-)





#33

Benzene

Concen: 52.062 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU032620.D

Acq: 11 Jun 2019 19:15

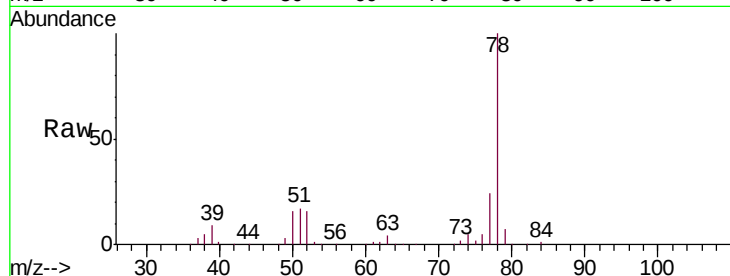
Instrument :

MSVOA_U

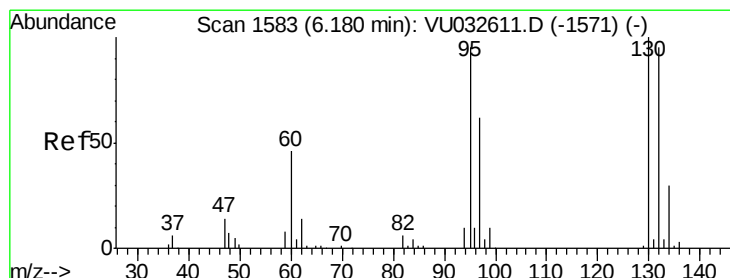
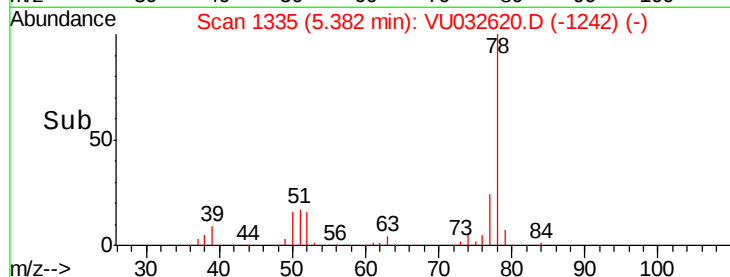
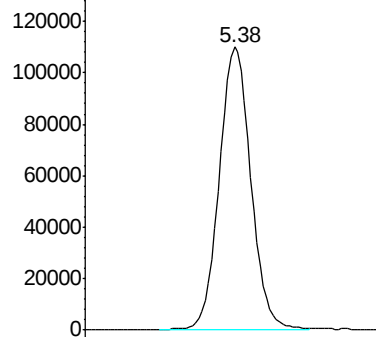
ClientSampleId :

DB8P5MSD

Tgt Ion: 78 Resp: 238788



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 50.206 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032620.D

Acq: 11 Jun 2019 19:15

Tgt Ion: 95 Resp: 62649

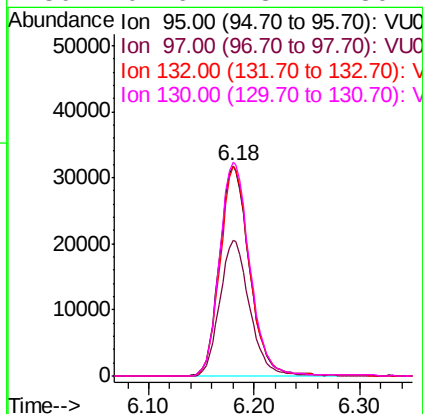
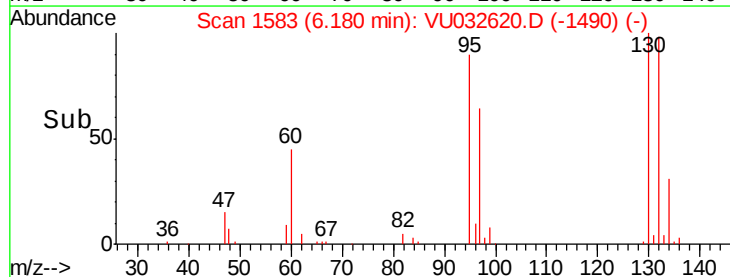
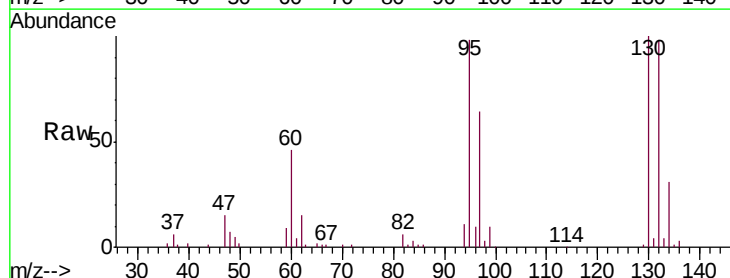
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.8	85.2
132	99.6	71.0	131.8
130	101.6	73.4	136.2

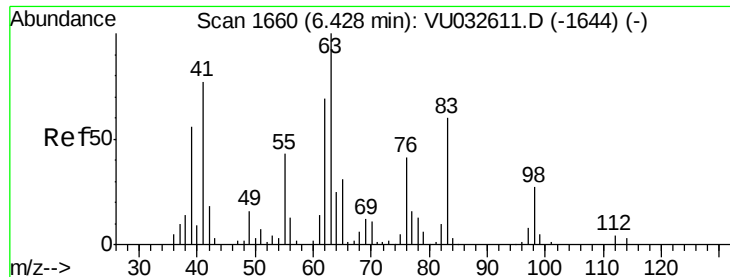
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

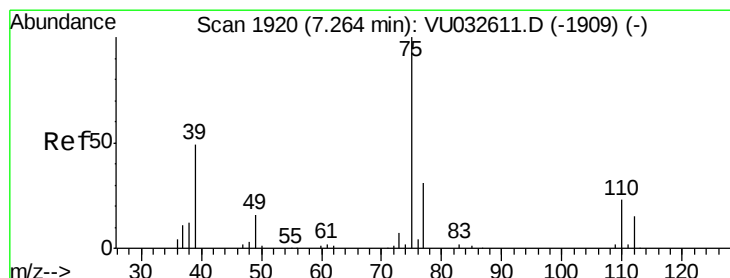
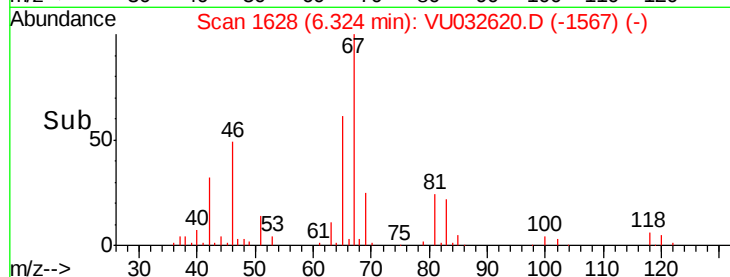
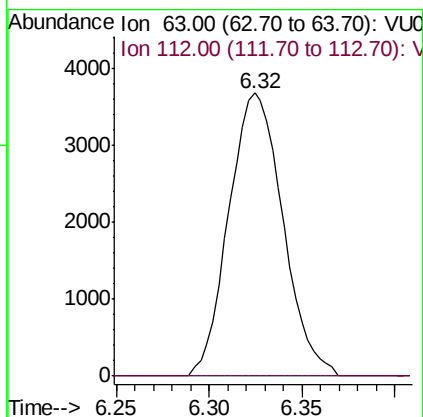
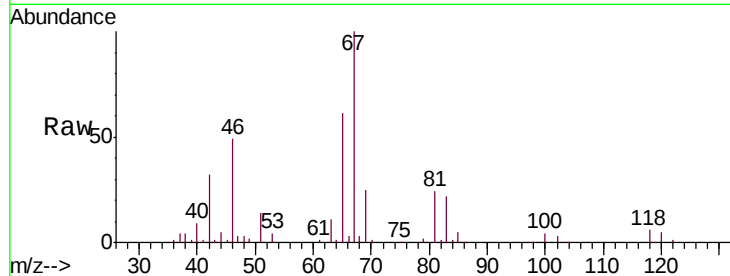




#37
 1,2-Dichloropropane
 Concen: 6.142 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032620.D
 Acq: 11 Jun 2019 19:15

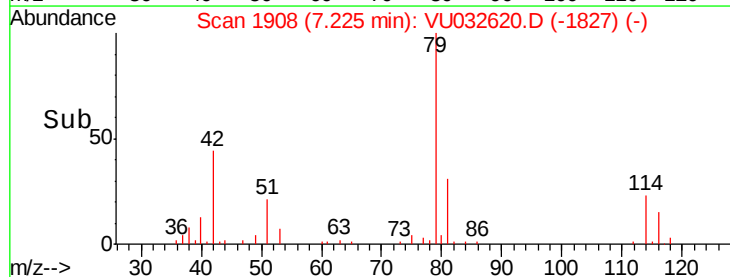
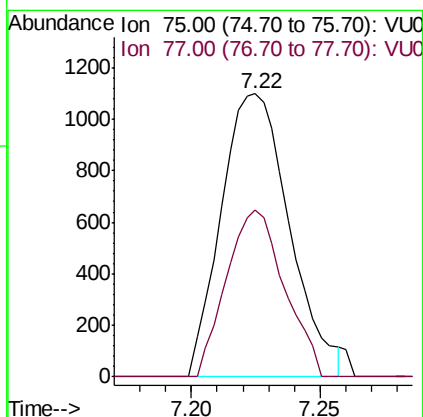
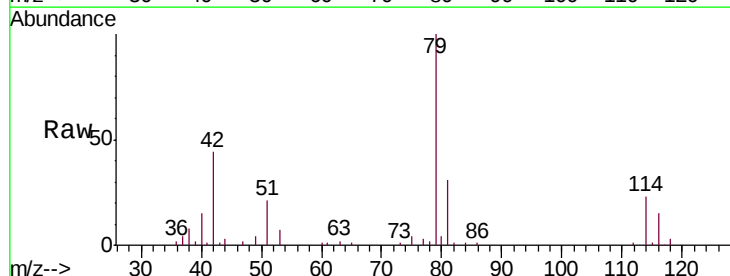
Instrument :
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 ClientSampleId :
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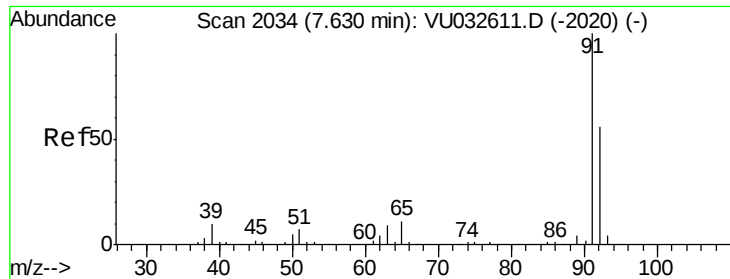
Tgt Ion: 63 Resp: 7468
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.058 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032620.D
 Acq: 11 Jun 2019 19:15

Tgt Ion: 75 Resp: 2029
 Ion Ratio Lower Upper
 75 100
 77 58.8 22.0 41.0#





#42

Toluene

Concen: 51.329 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032620.D

Acq: 11 Jun 2019 19:15

Instrument :

MSVOA_U

ClientSampleId :

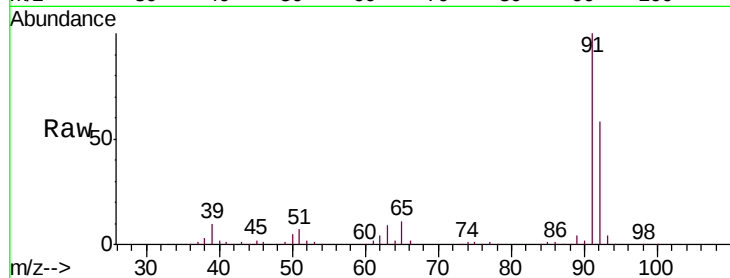
DB8P5MSD

Tgt Ion: 91 Resp: 257831

Ion Ratio Lower Upper

91 100

92 57.6 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

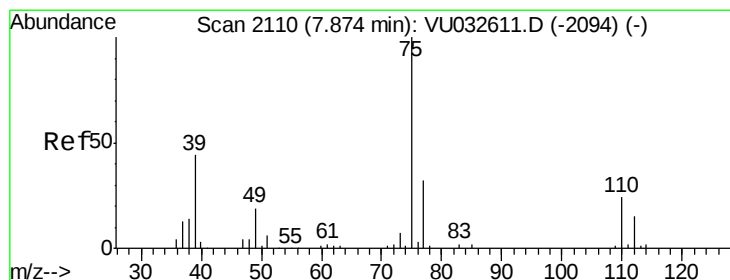
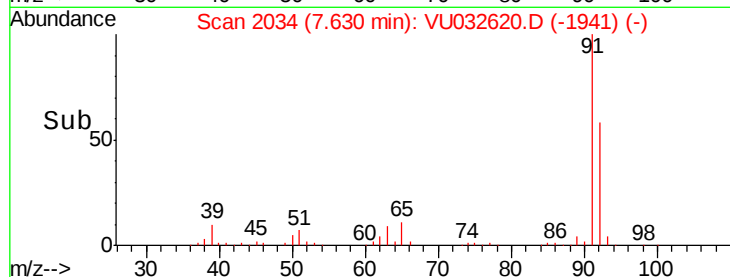
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.717 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032620.D

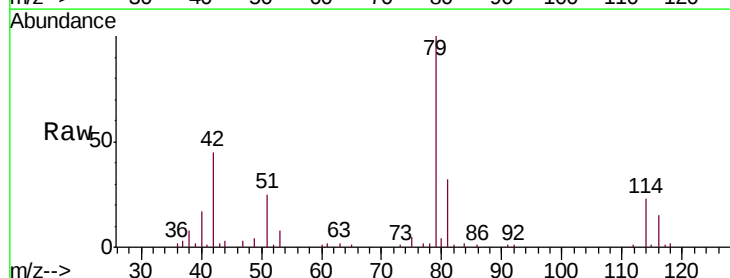
Acq: 11 Jun 2019 19:15

Tgt Ion: 75 Resp: 1221

Ion Ratio Lower Upper

75 100

77 35.2 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

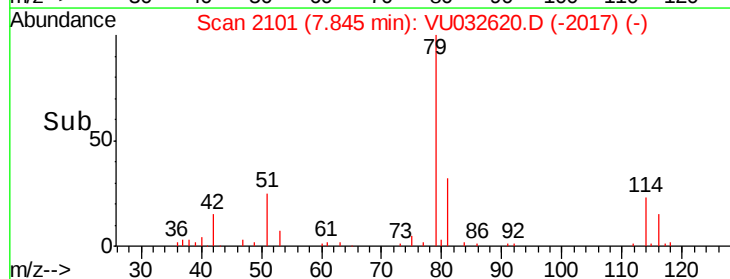
600

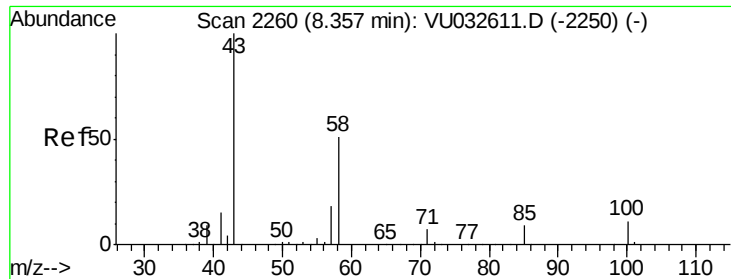
400

200

0

Time-->

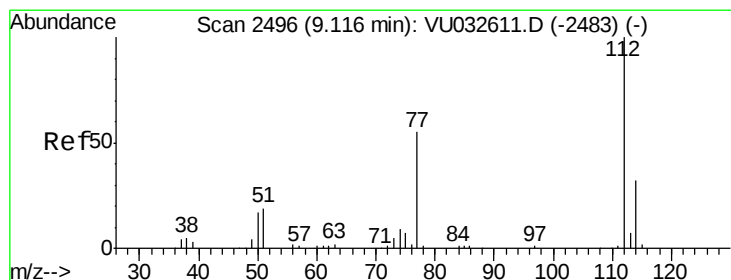
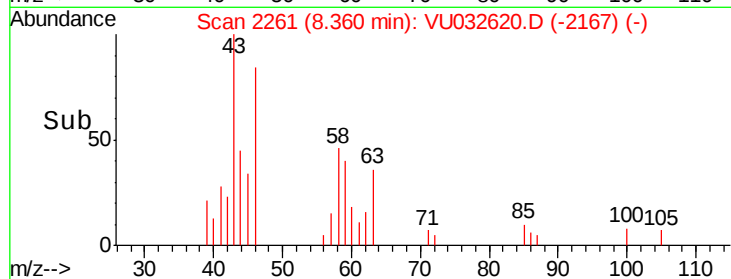
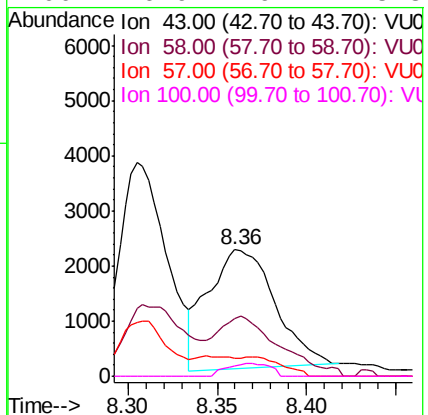
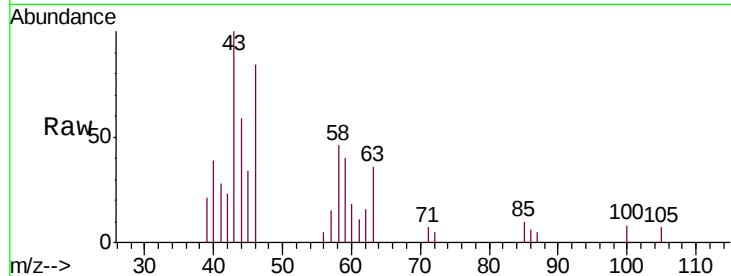




#48
2-Hexanone
Concen: 3.540 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032620.D
Acq: 11 Jun 2019 19:15

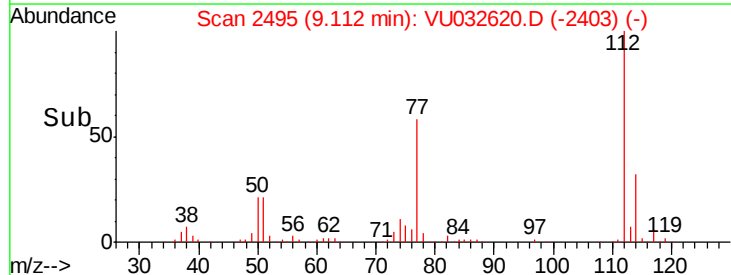
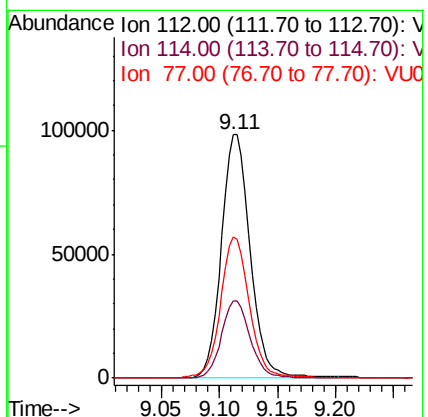
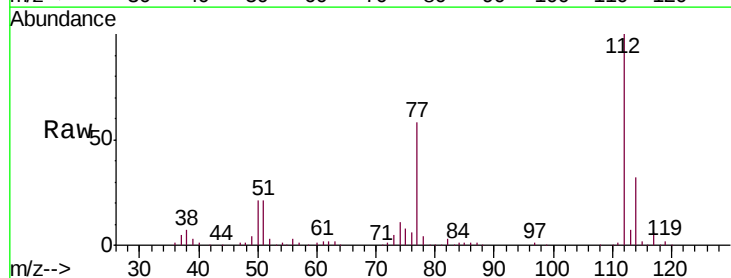
Instrument :
MSVOA_U
ClientSampleId :
DB8P5MSD

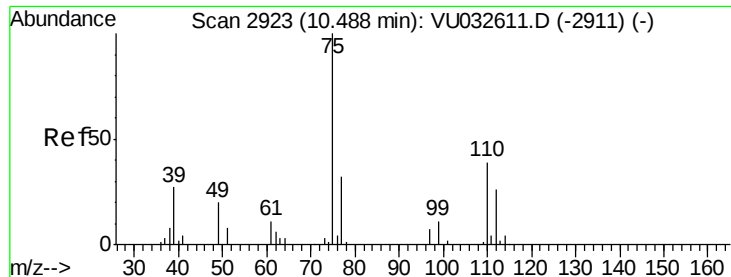
Tgt Ion: 43 Resp: 5688
Ion Ratio Lower Upper
43 100
58 35.0 42.0 63.0#
57 0.0 14.6 22.0#
100 6.9 9.2 13.8#



#51
Chlorobenzene
Concen: 52.269 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032620.D
Acq: 11 Jun 2019 19:15

Tgt Ion: 112 Resp: 169154
Ion Ratio Lower Upper
112 100
114 31.5 22.6 42.0
77 58.0 46.1 69.1





#59
 1,2,3-Trichloropropane
 Concen: 6.067 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032620.D
 Acq: 11 Jun 2019 19:15

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8P5MSD

Tgt Ion: 75 Resp: 9590
 Ion Ratio Lower Upper
 75 100
 77 35.8 25.6 38.4

