

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052819\
 Data File : VU032339.D
 Acq On : 28 May 2019 19:45
 Operator : JC/SP
 Sample : K3017-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A51G1

Quant Time: May 29 05:32:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 05:27:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	742985	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	729163	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	309458	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	236833	43.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.50%
7) Chloroethane-d5	1.67	69	213868	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.72%
11) 1,1-Dichloroethene-d2	2.27	63	334249	34.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.72%
21) 2-Butanone-d5	4.17	46	375964	104.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.31%
24) Chloroform-d	4.64	84	475738	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.26%
26) 1,2-Dichloroethane-d4	5.30	65	300060	52.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.80%
32) Benzene-d6	5.33	84	979189	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.32	67	310612	52.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.64%
41) Toluene-d8	7.56	98	858612	48.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.24%
43) trans-1,3-Dichloropropene-	7.85	79	121751	44.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.58%
47) 2-Hexanone-d5	8.31	63	234149	94.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.01%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	456927	50.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	334300	52.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.96%

Target Compounds

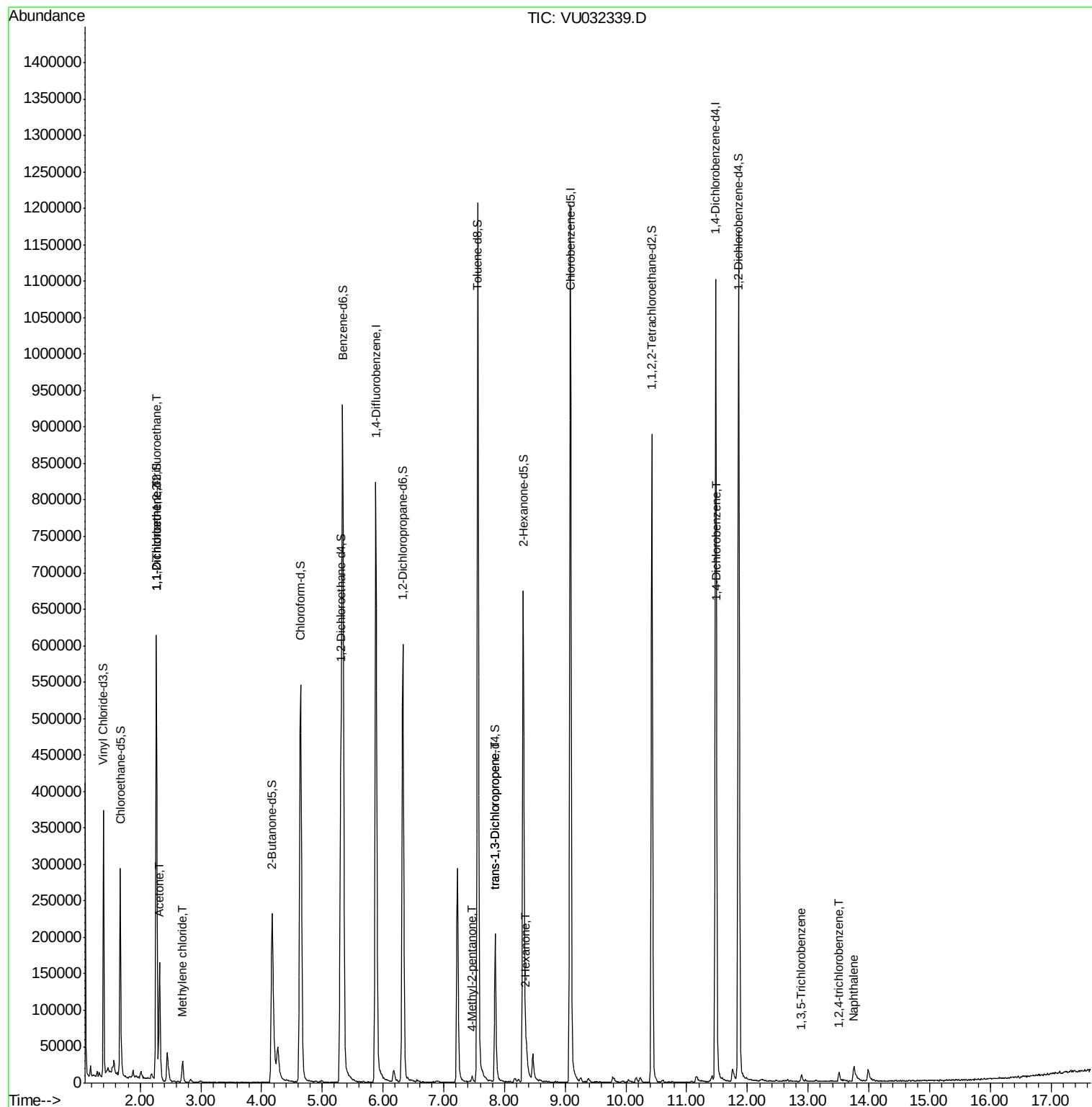
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4025	0.854	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	3540	0.736	ug/L #	1
13) Acetone	2.32	43	157926	46.495	ug/L	96
16) Methylene chloride	2.70	84	14293	2.550	ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	4492	0.646	ug/L #	74
44) trans-1,3-Dichloropropene	7.85	75	4559	0.661	ug/L #	67
48) 2-Hexanone	8.36	43	23752	4.188	ug/L #	66
63) 1,4-Dichlorobenzene	11.50	146	5033	0.514	ug/L #	77
67) 1,3,5-Trichlorobenzene	12.89	180	4266	0.603	ug/L #	94
68) 1,2,4-trichlorobenzene	13.51	180	5207	0.958	ug/L #	89
69) Naphthalene	13.76	128	23433	1.440	ug/L #	93

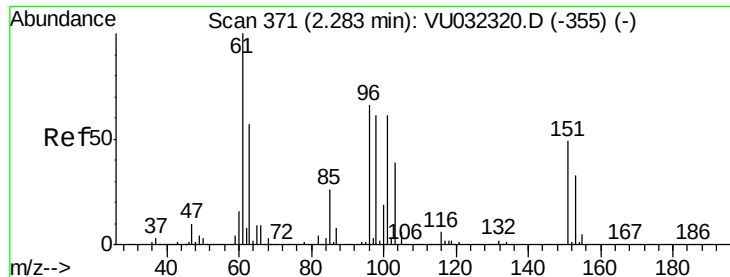
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.854 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032339.D

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ClientSampleId :

A51G1

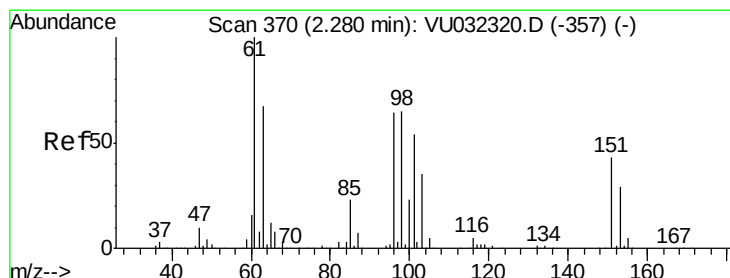
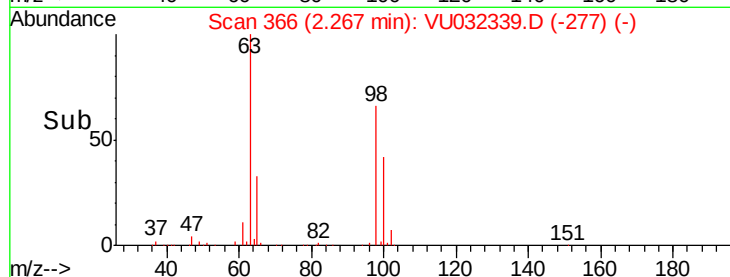
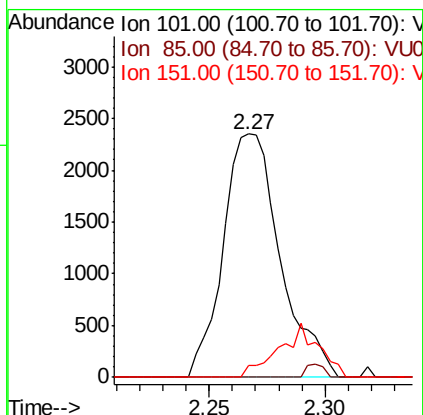
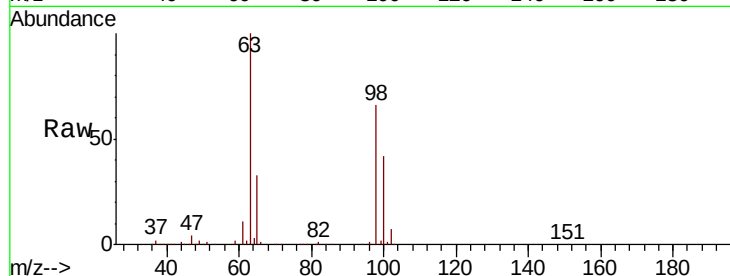
Tgt Ion: 101 Resp: 4025

Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.0#

151 3.1 63.7 95.5#



#12

1,1-Dichloroethene

Concen: 0.736 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032339.D

Acq: 28 May 2019 19:45

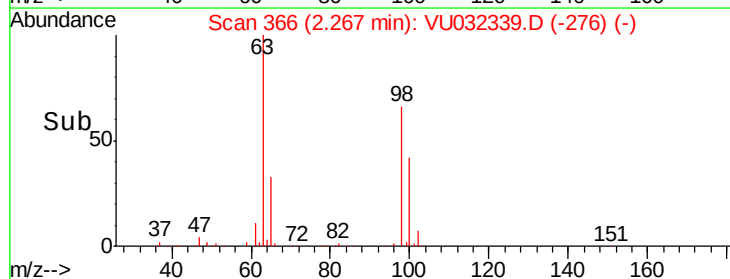
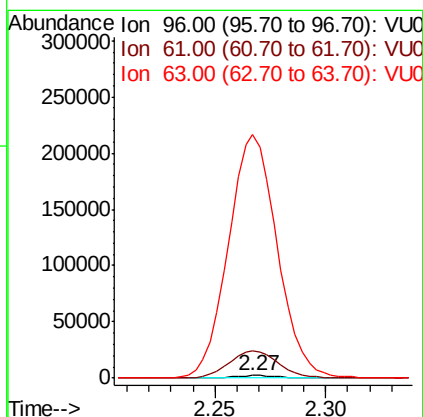
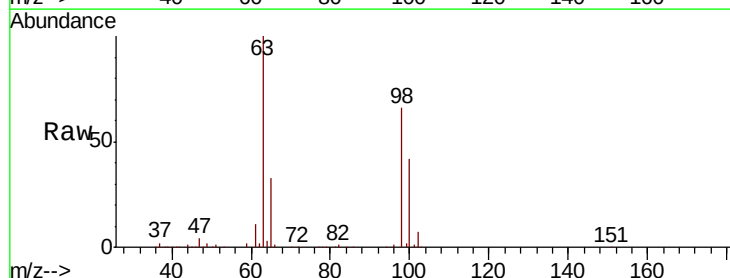
Tgt Ion: 96 Resp: 3540

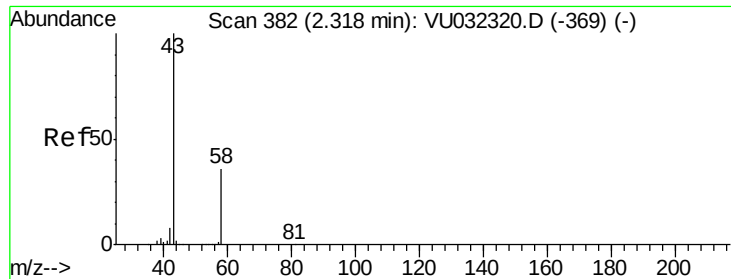
Ion Ratio Lower Upper

96 100

61 1165.4 109.8 203.8#

63 10237.0 74.4 138.2#





#13

Acetone

Concen: 46.495 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032339.D

Acq: 28 May 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

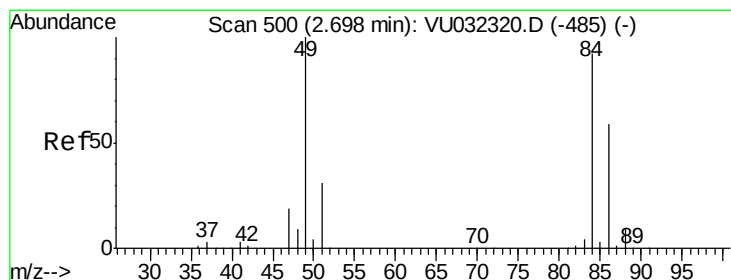
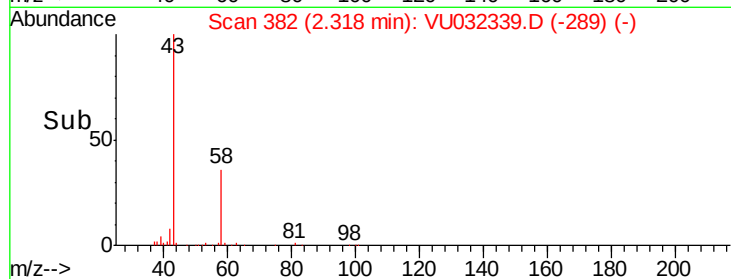
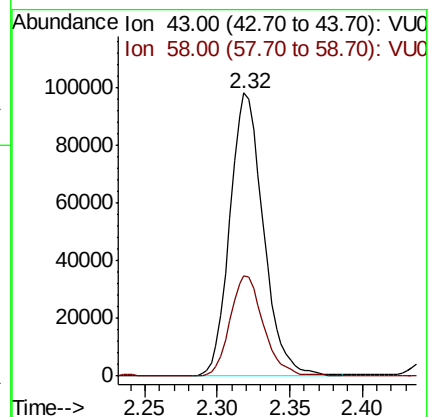
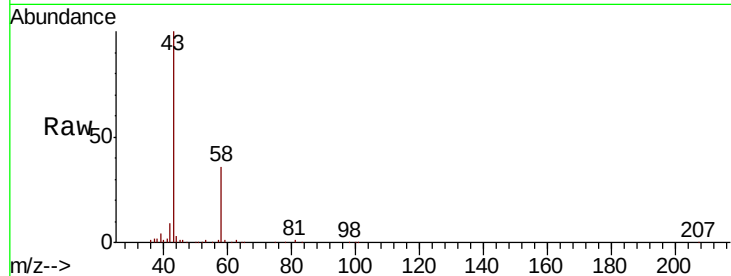
A51G1

Tgt Ion: 43 Resp: 157926

Ion Ratio Lower Upper

43 100

58 34.5 0.0 73.6



#16

Methylene chloride

Concen: 2.550 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU032339.D

Acq: 28 May 2019 19:45

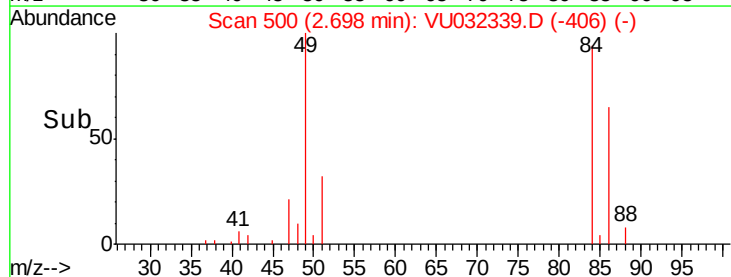
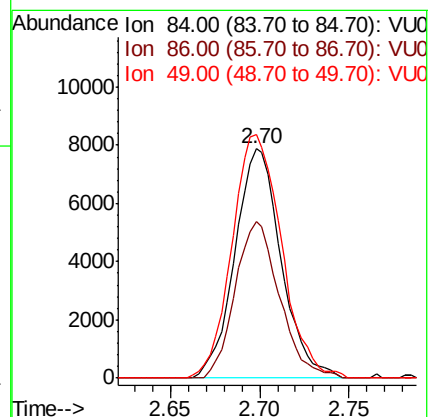
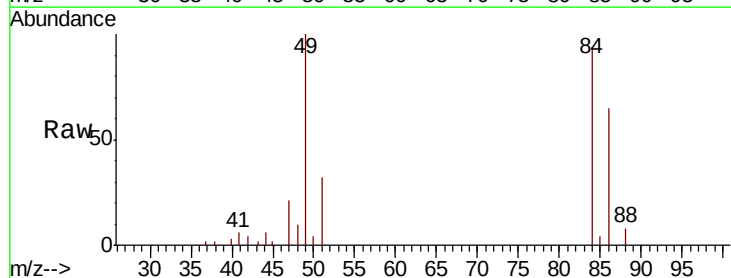
Tgt Ion: 84 Resp: 14293

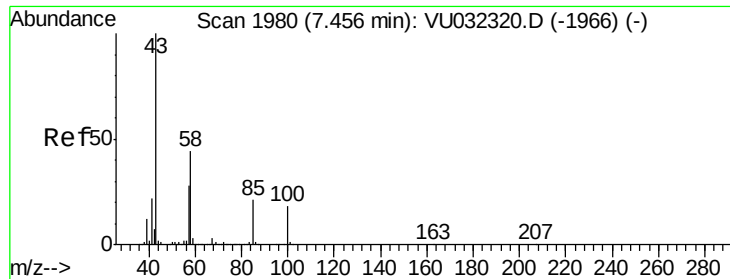
Ion Ratio Lower Upper

84 100

86 68.6 45.0 83.6

49 106.3 75.9 140.9





#40

4-Methyl-2-pentanone

Concen: 0.646 ug/L

RT: 7.47 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VU032339.D

Acq: 28 May 2019 19:45

Instrument :

MSVOA_U

ClientSampleId :

A51G1

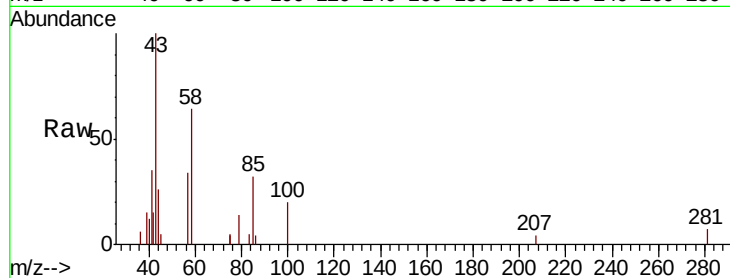
Tgt Ion: 43 Resp: 4492

Ion Ratio Lower Upper

43 100

58 63.8 34.6 52.0#

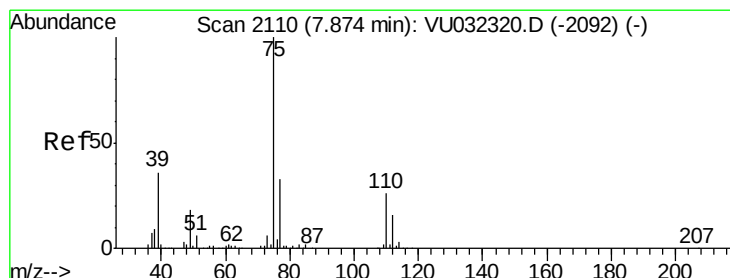
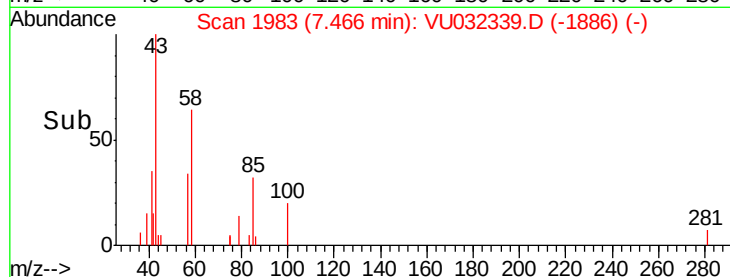
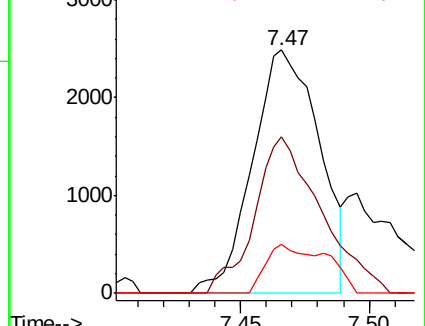
100 13.0 14.1 21.1#



Abundance Ion 43.00 (42.70 to 43.70): VU032320.D (-1966) (-)

Ion 58.00 (57.70 to 58.70): VU032320.D (-1966) (-)

Ion 100.00 (99.70 to 100.70): VU032320.D (-1966) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.661 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032339.D

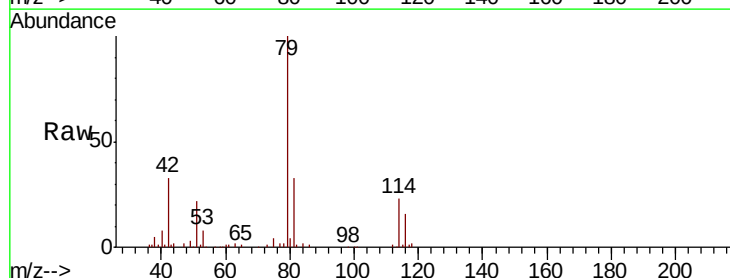
Acq: 28 May 2019 19:45

Tgt Ion: 75 Resp: 4559

Ion Ratio Lower Upper

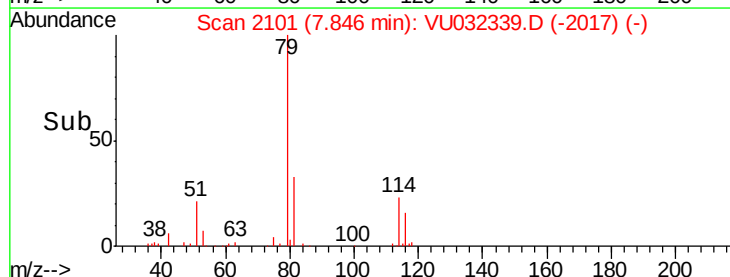
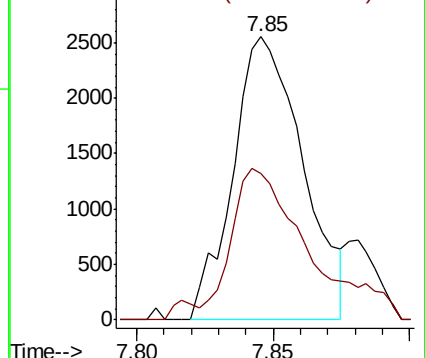
75 100

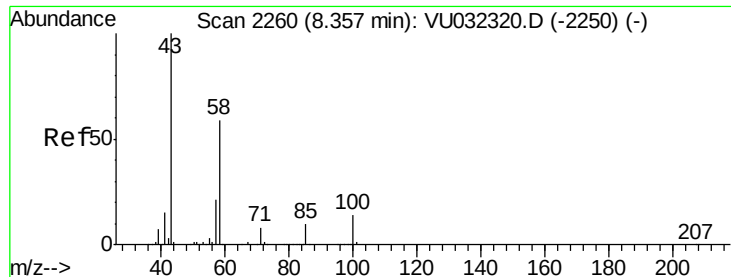
77 51.6 23.0 42.6#



Abundance Ion 75.00 (74.70 to 75.70): VU032320.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU032320.D (-2092) (-)

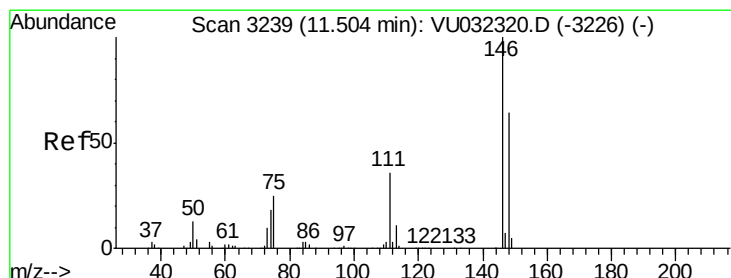
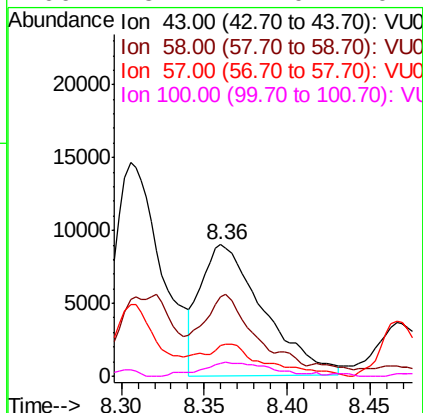
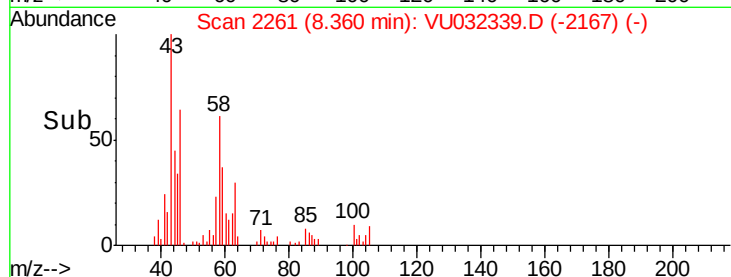
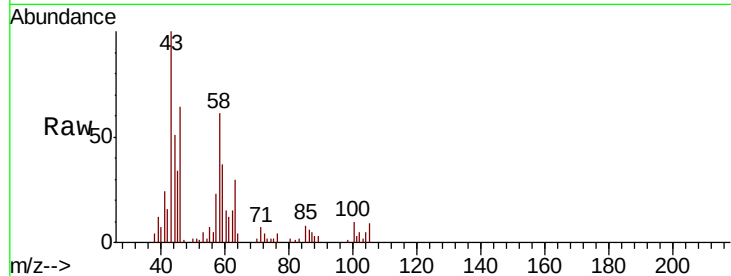




#48
2-Hexanone
Concen: 4.188 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032339.D
Acq: 28 May 2019 19:45

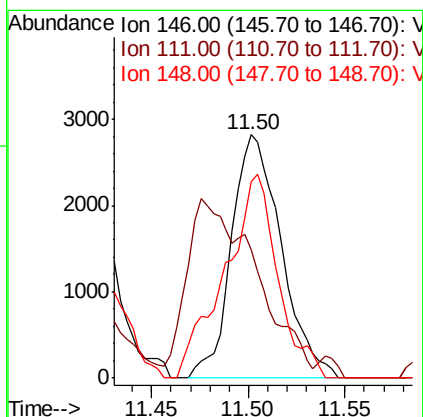
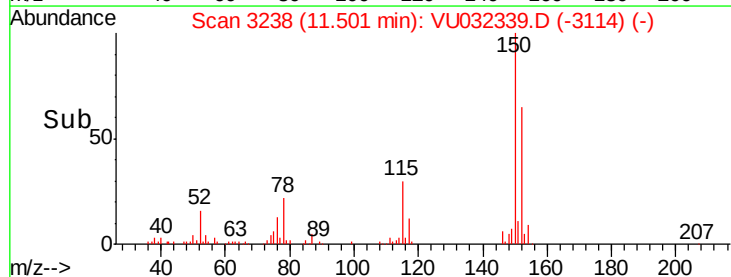
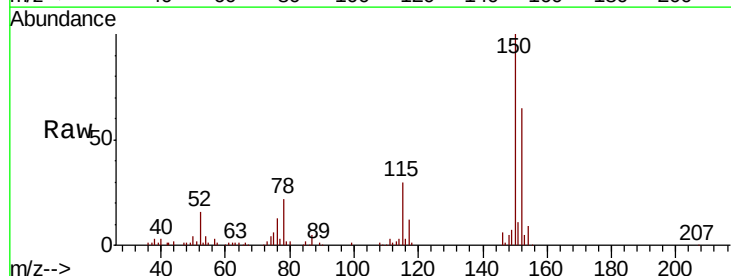
Instrument :
MSVOA_U
ClientSampled :
A51G1

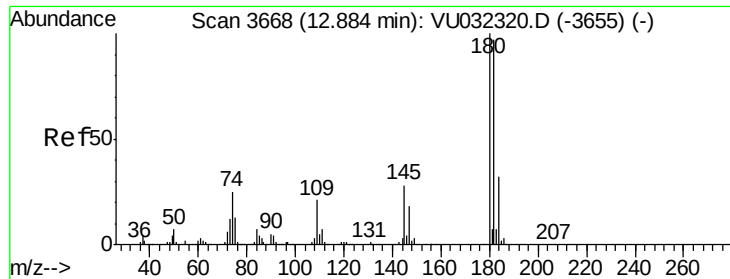
Tgt Ion: 43 Resp: 23752
Ion Ratio Lower Upper
43 100
58 27.4 48.6 73.0#
57 14.0 17.0 25.4#
100 5.1 11.0 16.4#



#63
1,4-Dichlorobenzene
Concen: 0.514 ug/L
RT: 11.50 min Scan# 3238
Delta R.T. 0.00 min
Lab File: VU032339.D
Acq: 28 May 2019 19:45

Tgt Ion: 146 Resp: 5033
Ion Ratio Lower Upper
146 100
111 52.7 25.6 47.4#
148 80.4 45.0 83.6

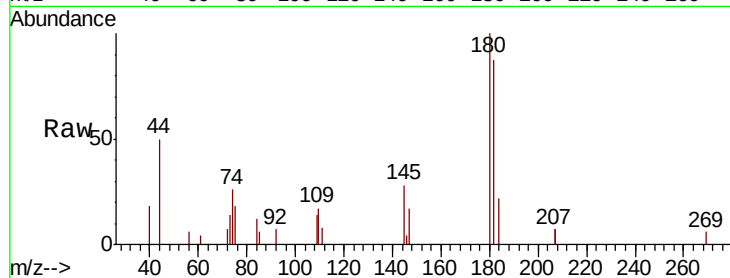




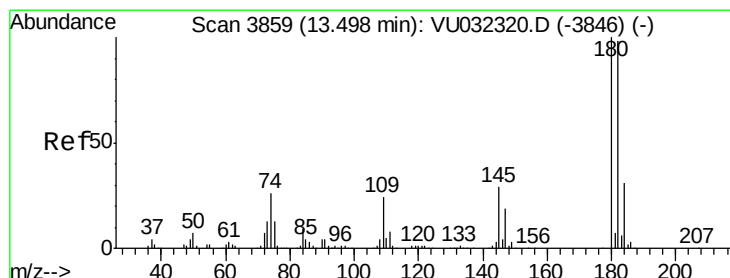
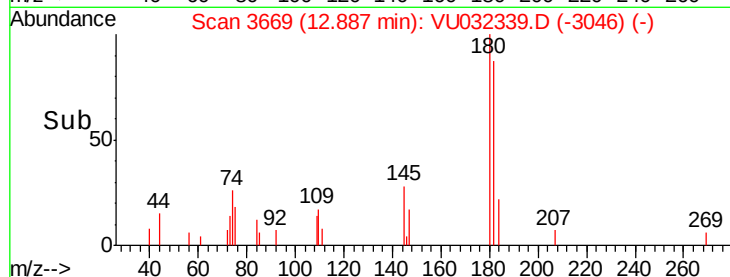
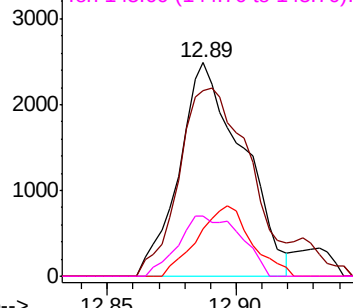
#67
 1,3,5-Trichlorobenzene
 Concen: 0.603 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU032339.D
 Acq: 28 May 2019 19:45

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion:180 Resp: 4266
 Ion Ratio Lower Upper
 180 100
 182 97.2 78.3 117.5
 184 27.8 25.0 37.4
 145 15.7 22.6 33.8#

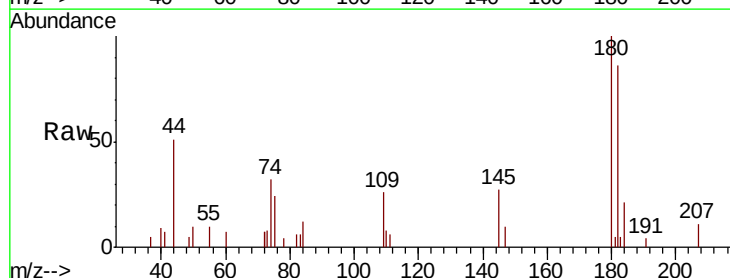


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

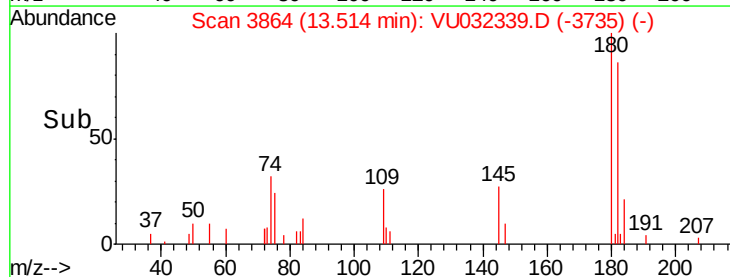
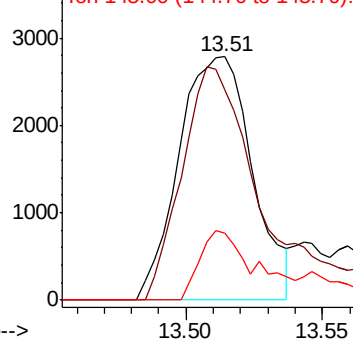


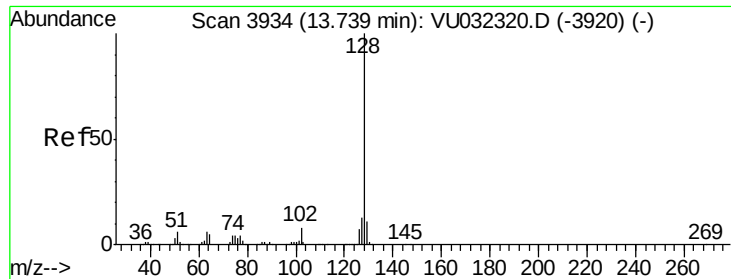
#68
 1,2,4-trichlorobenzene
 Concen: 0.958 ug/L
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.02 min
 Lab File: VU032339.D
 Acq: 28 May 2019 19:45

Tgt Ion:180 Resp: 5207
 Ion Ratio Lower Upper
 180 100
 182 104.8 78.2 117.4
 145 15.7 23.0 34.4#



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: 1.440 ug/L

RT: 13.76 min Scan# 3939

Delta R.T. 0.02 min

Lab File: VU032339.D

Acq: 28 May 2019 19:45

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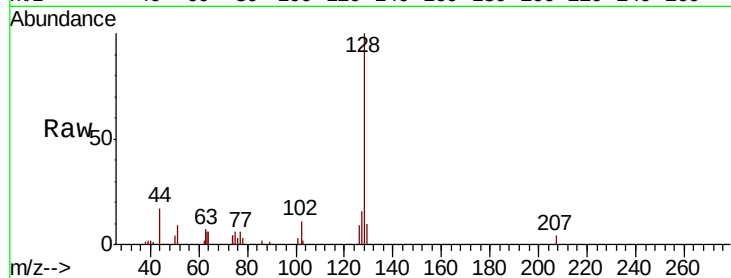
Tgt Ion:128 Resp: 23433

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 5.2 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

