

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028117.D
 Acq On : 14 Nov 2018 13:05
 Operator : MD/SY
 Sample : VU1114WBL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK56

Quant Time: Nov 15 04:28:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 04:25:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	176572	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	158443	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	69989	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67257	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.68	69	55030	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.28	63	94256	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	4.22	46	211666	49.81	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.62%
24) Chloroform-d	4.65	84	107294	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.31	65	62821	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.34	84	227803	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.33	67	81046	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.57	98	202367	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.85	79	28002	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.32	63	165095	49.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	56809	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	65467	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

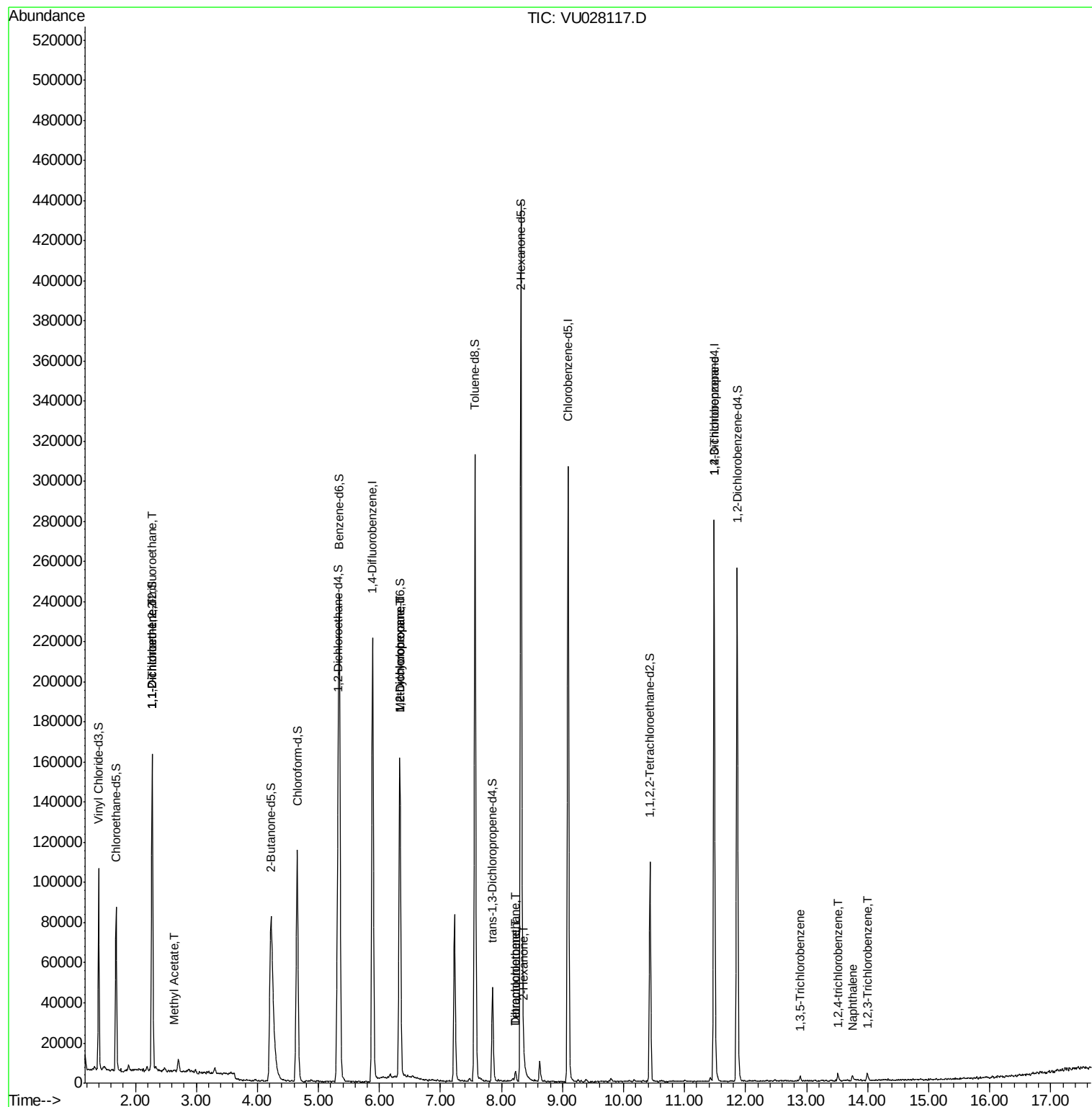
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	721	0.062	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	732	0.062	ug/L #	1
15) Methyl Acetate	2.65	43	1549	0.202	ug/L #	68
35) Methylcyclohexane	6.33	83	16610	0.732	ug/L #	15
37) 1,2-Dichloropropane	6.33	63	8452	0.573	ug/L #	92
47) Tetrachloroethene	8.22	164	1202	0.112	ug/L	97
48) 2-Hexanone	8.37	43	2307	0.319	ug/L #	95
49) Dibromochloromethane	8.22	129	1198	0.126	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	10160	1.225	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	996	0.059	ug/L #	92
68) 1,2,4-trichlorobenzene	13.51	180	1671	0.113	ug/L #	84
69) Naphthalene	13.76	128	2961	0.107	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	1299	0.095	ug/L #	83

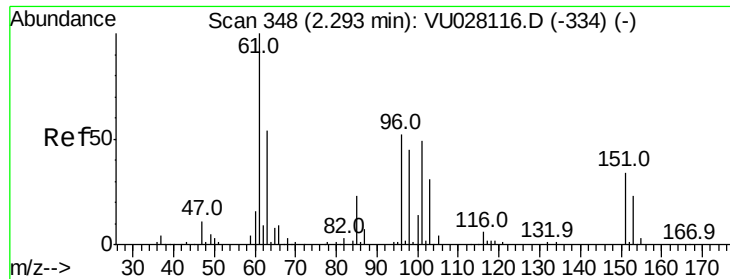
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.062 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU028117.D

Acq: 14 Nov 2018 13:05

Instrument :

MSVOA_U

ClientSampleId :

VBLK56

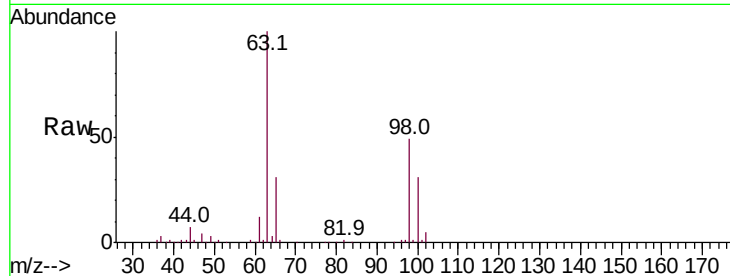
Tot Ion:101 Resp: 721

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

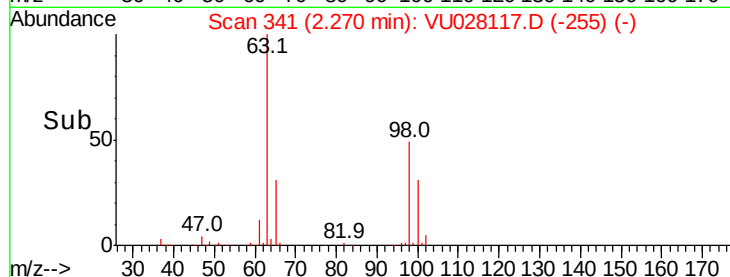
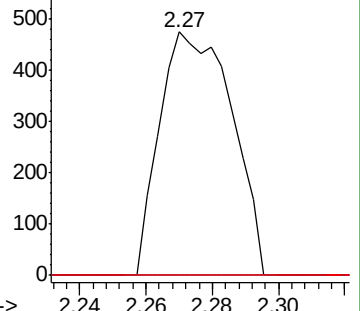
151 0.0 58.2 87.2#



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: 0.062 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028117.D

Acq: 14 Nov 2018 13:05

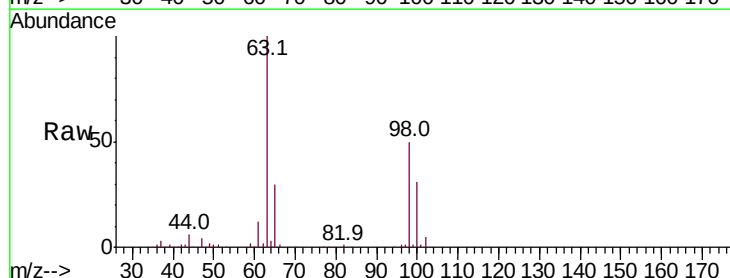
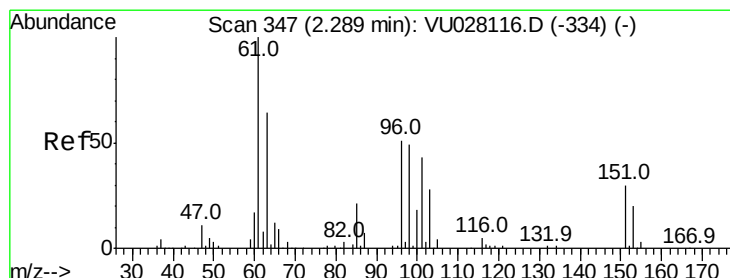
Tgt Ion: 96 Resp: 732

Ion Ratio Lower Upper

96 100

61 1607.7 134.8 250.3#

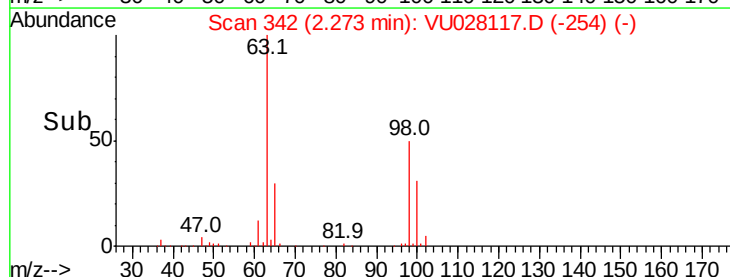
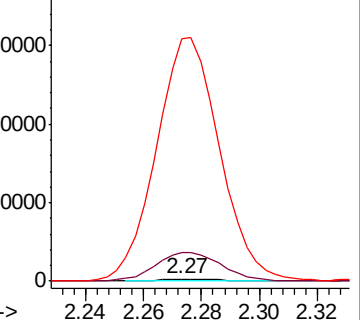
63 13561.3 100.1 185.9#

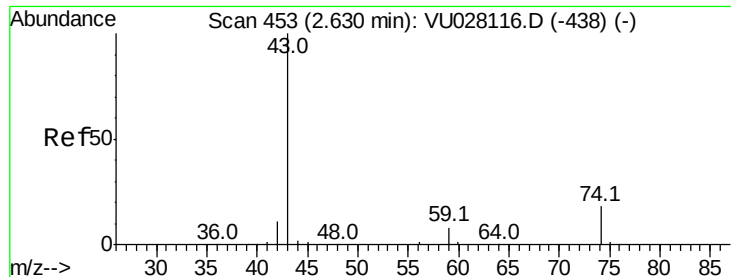


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#15

Methvl Acetate

Concen: 0.202 ug/L

RT: 2.65 min Scan# 458

Delta R.T. 0.02 min

Lab File: VU028117.D

Acq: 14 Nov 2018 13:05

Instrument :

MSVOA_U

ClientSampleId :

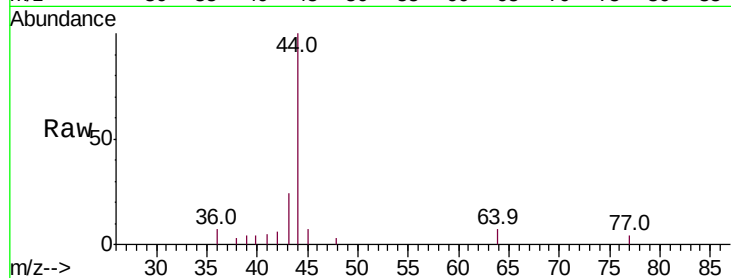
VBLK56

Tot Ion: 43 Resp: 1549

Ion Ratio Lower Upper

43 100

74 4.4 14.9 22.3#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.65

800

600

400

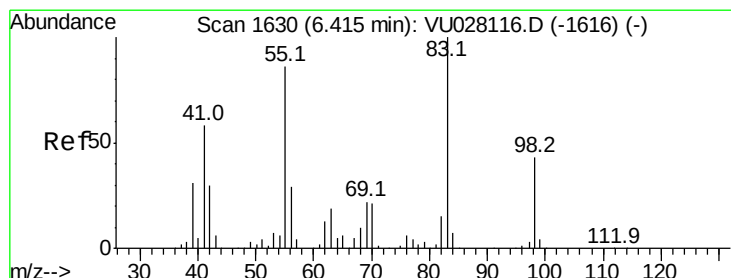
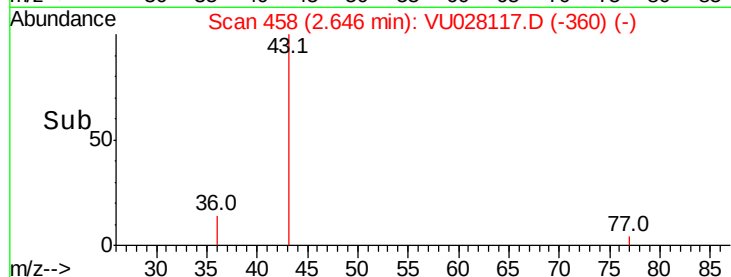
200

0

2.60

2.65

Time-->



#35

Methylcyclohexane

Concen: 0.732 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028117.D

Acq: 14 Nov 2018 13:05

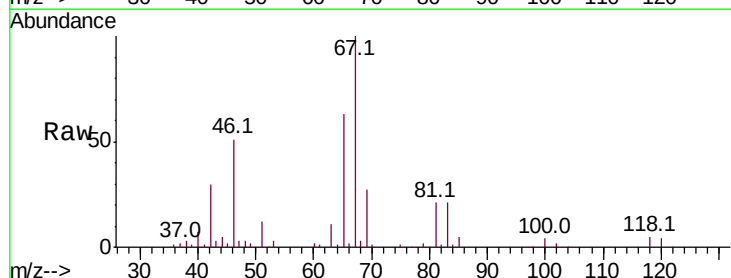
Tgt Ion: 83 Resp: 16610

Ion Ratio Lower Upper

83 100

55 0.0 69.0 103.4#

98 0.3 33.3 49.9#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

10000

8000

6000

4000

2000

0

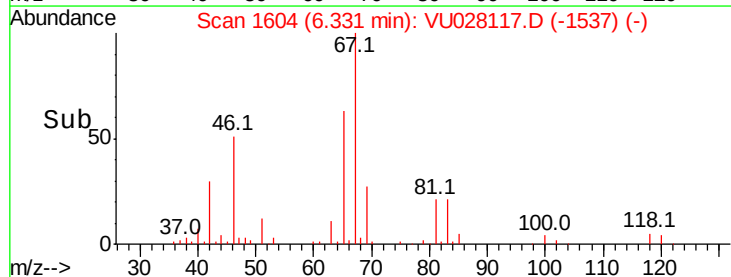
6.25

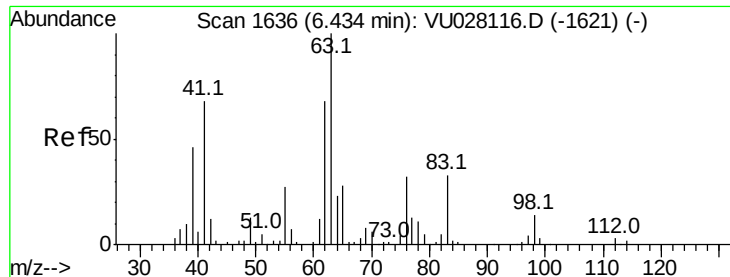
6.30

6.35

6.40

Time-->





#37

1,2-Dichloropropane

Concen: 0.573 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU028117.D

Acq: 14 Nov 2018 13:05

Instrument :

MSVOA_U

ClientSampleId :

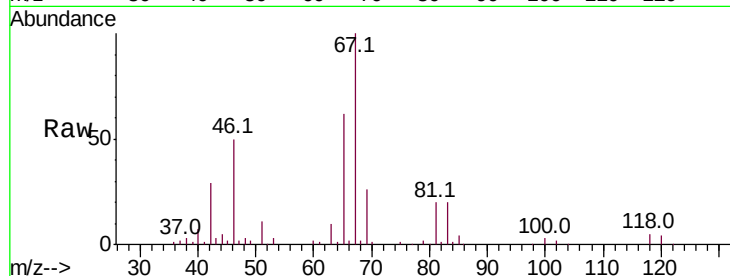
VBLK56

Tot Ion: 63 Resp: 8452

Ion Ratio Lower Upper

63 100

112 0.0 2.2 3.4#

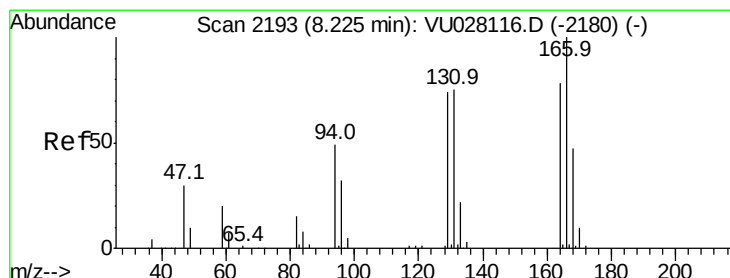
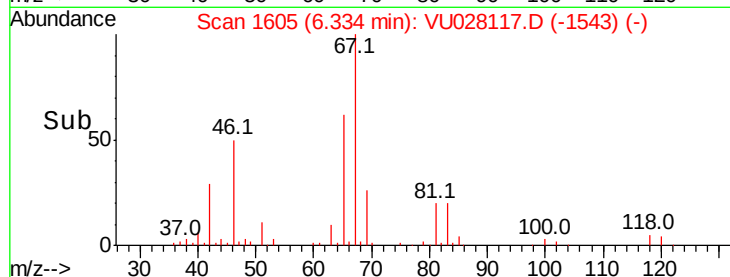


Abundance Ion 63.10 (62.80 to 63.80): VU028117.D (-1543) (-)

Ion 112.10 (111.80 to 112.80): VU028117.D (-1543) (-)

6.33

Time--> 6.25 6.30 6.35 6.40



#47

Tetrachloroethene

Concen: 0.112 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028117.D

Acq: 14 Nov 2018 13:05

Tgt Ion:164 Resp: 1202

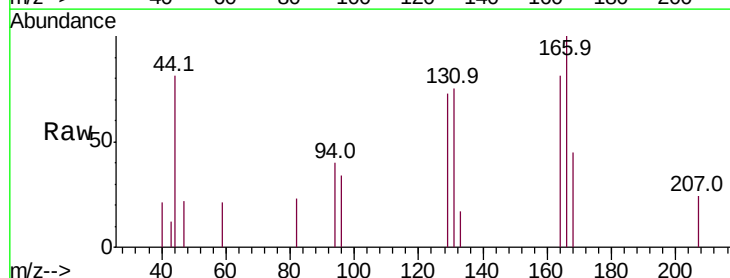
Ion Ratio Lower Upper

164 100

129 90.7 69.7 129.4

131 92.9 64.0 118.8

166 123.8 86.4 160.4



Abundance Ion 163.90 (163.60 to 164.60): VU028117.D (-2100) (-)

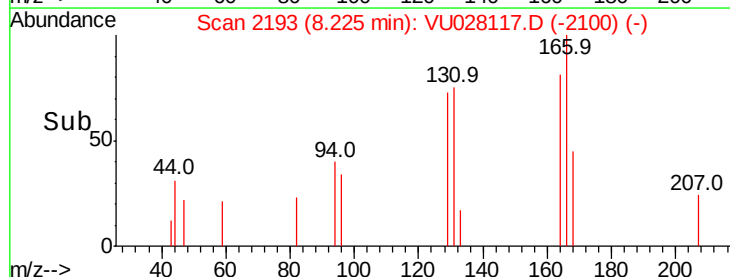
Ion 128.95 (128.65 to 129.65): VU028117.D (-2100) (-)

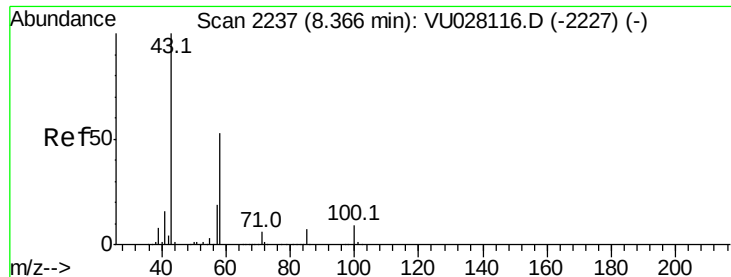
Ion 130.95 (130.65 to 131.65): VU028117.D (-2100) (-)

Ion 165.90 (165.60 to 166.60): VU028117.D (-2100) (-)

8.22

Time--> 8.18 8.20 8.22 8.24 8.26

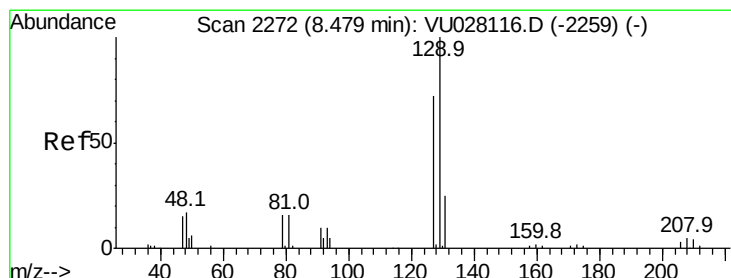
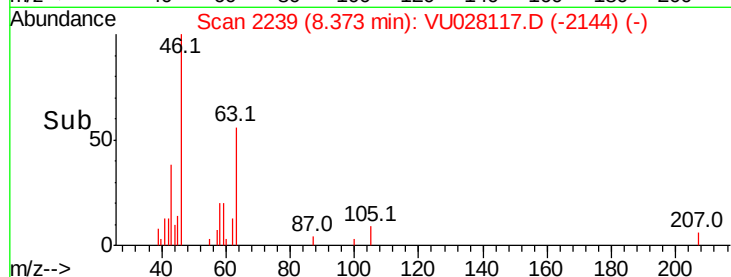
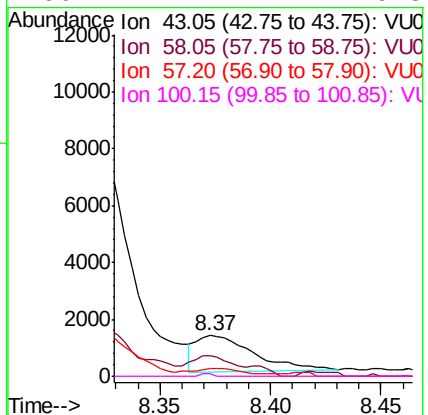
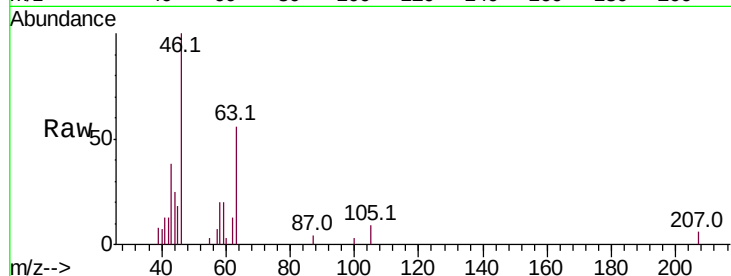




#48
2-Hexanone
Concen: 0.319 ug/L
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU028117.D
Acq: 14 Nov 2018 13:05

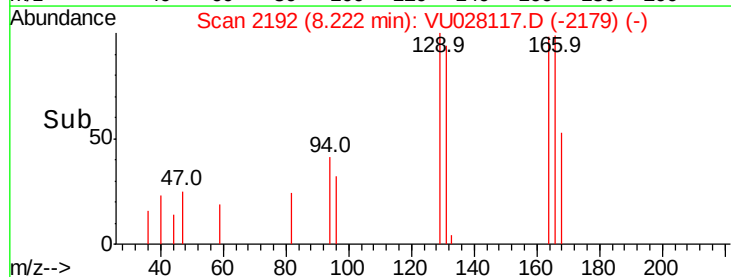
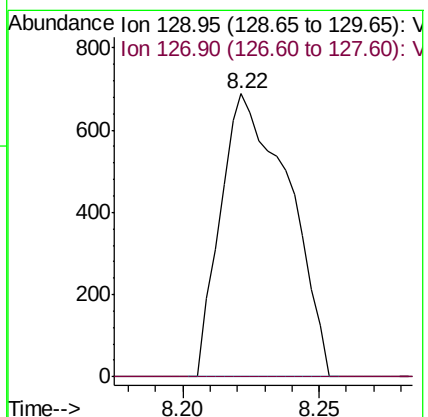
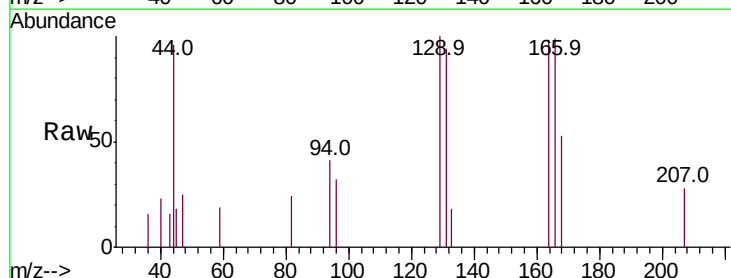
Instrument :
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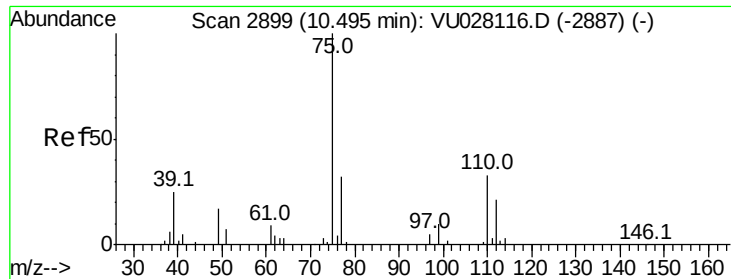
Tot Ion: 43 Resp: 2307
Ion Ratio Lower Upper
43 100
58 53.6 41.7 62.5
57 20.5 14.0 21.0
100 1.7 7.2 10.8#



#49
Dibromochloromethane
Concen: 0.126 ug/L
RT: 8.22 min Scan# 2192
Delta R.T. -0.26 min
Lab File: VU028117.D
Acq: 14 Nov 2018 13:05

Tgt Ion: 129 Resp: 1198
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#

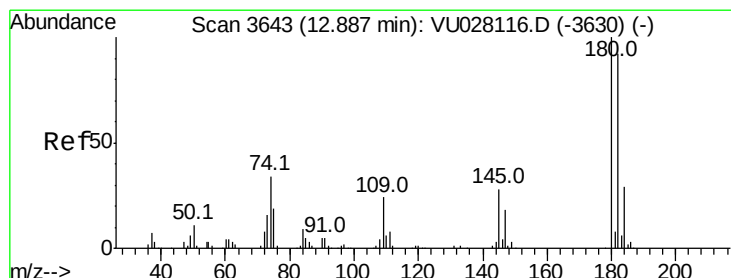
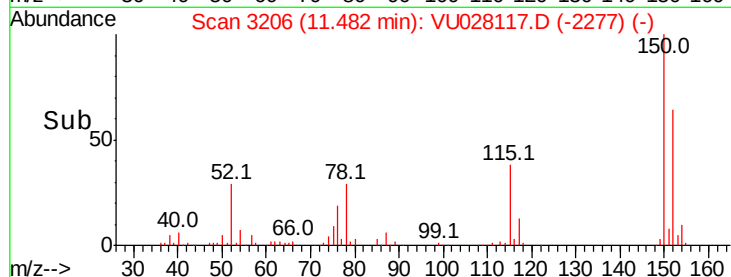
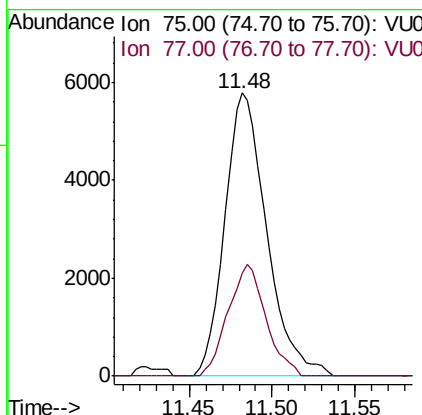
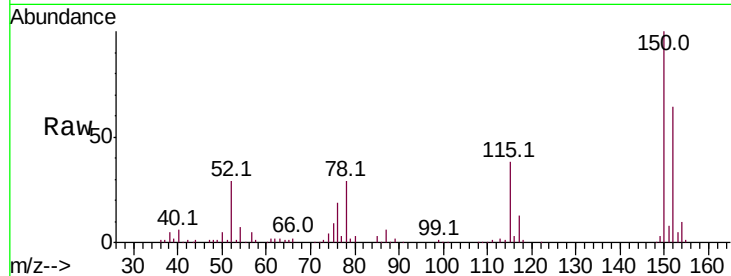




#59
 1,2,3-Trichloropropane
 Concen: 1.225 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028117.D
 Acq: 14 Nov 2018 13:05

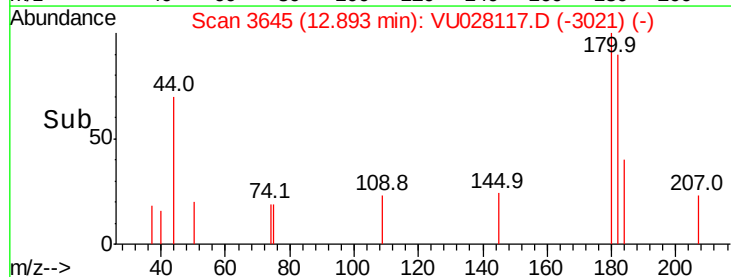
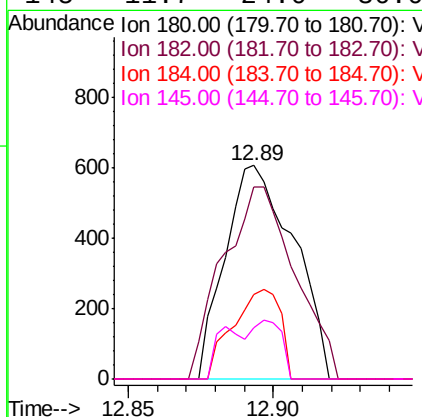
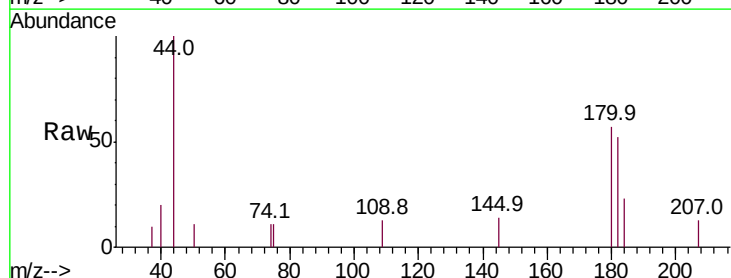
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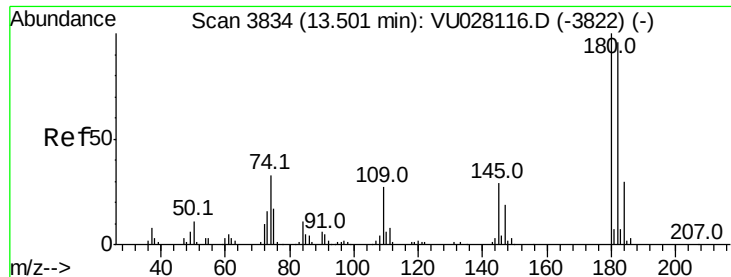
Tot Ion: 75 Resp: 10160
 Ion Ratio Lower Upper
 75 100
 77 35.6 25.4 38.0



#67
 1,3,5-Trichlorobenzene
 Concen: 0.059 ug/L
 RT: 12.89 min Scan# 3645
 Delta R.T. 0.01 min
 Lab File: VU028117.D
 Acq: 14 Nov 2018 13:05

Tgt Ion:180 Resp: 996
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.6 114.8
 184 29.1 24.7 37.1
 145 11.7 24.0 36.0#





#68

1,2,4-trichlorobenzene

Concen: 0.113 ug/L

RT: 13.51 min Scan# 3837

Delta R.T. 0.01 min

Lab File: VU028117.D

Acq: 14 Nov 2018 13:05

Instrument :

MSVOA_U

ClientSampleId :

VBLK56

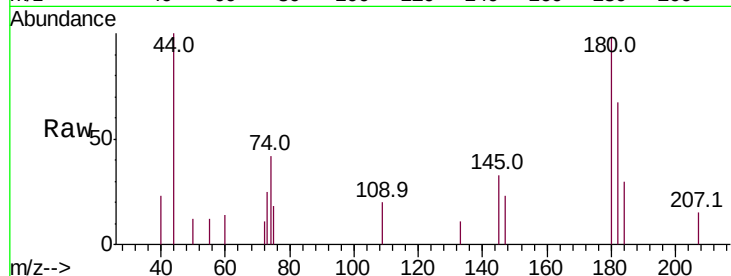
Tot Ion:180 Resp: 1671

Ion Ratio Lower Upper

180 100

182 79.2 75.1 112.7

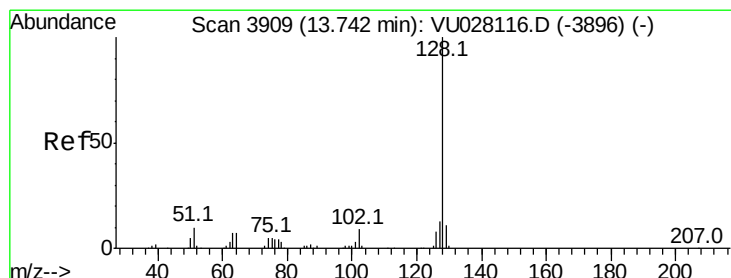
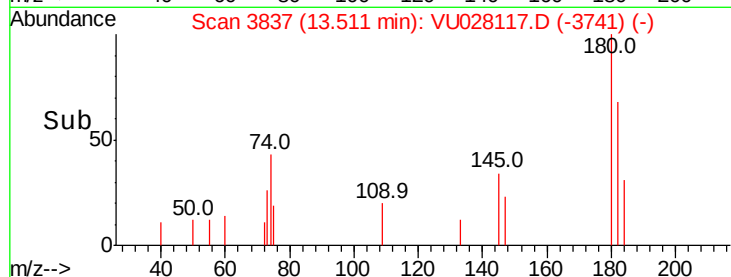
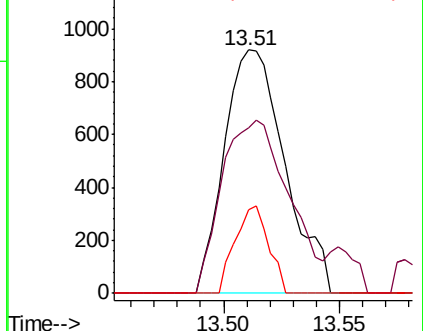
145 19.6 23.4 35.0#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#69

Naphthalene

Concen: 0.107 ug/L

RT: 13.76 min Scan# 3914

Delta R.T. 0.02 min

Lab File: VU028117.D

Acq: 14 Nov 2018 13:05

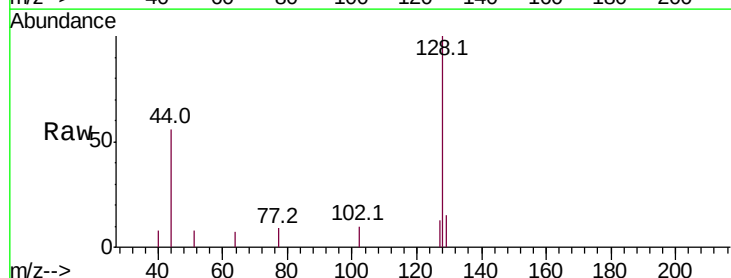
Tgt Ion:128 Resp: 2961

Ion Ratio Lower Upper

128 100

129 9.9 8.5 12.7

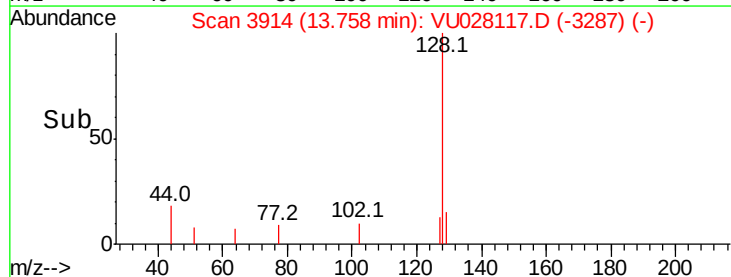
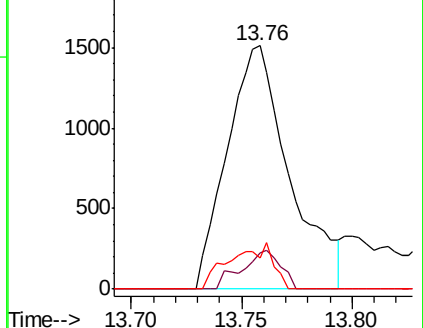
127 13.0 10.2 15.4

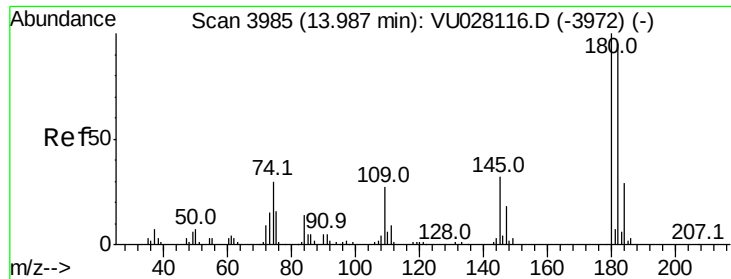


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

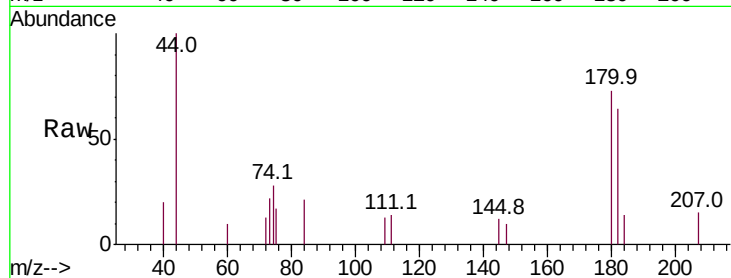




#70
 1,2,3-Trichlorobenzene
 Concen: 0.095 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU028117.D
 Acq: 14 Nov 2018 13:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK56

Tot Ion:180 Resp: 1299
 Ion Ratio Lower Upper
 180 100
 182 104.5 77.6 116.4
 145 7.5 26.2 39.4#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

