

Data File : VU028835.D
Acq On : 20 Dec 2018 19:31
Operator : MD/SY
Sample : VU1220WBL02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK60

Quant Time: Dec 21 06:00:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 05:57:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	217819	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	202527	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	83864	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88676	50.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.56%
7) Chloroethane-d5	1.67	69	68343	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.34%
11) 1,1-Dichloroethene-d2	2.27	63	110575	37.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.30%
21) 2-Butanone-d5	4.17	46	129121	105.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.54%
24) Chloroform-d	4.65	84	135976	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	5.31	65	86920	51.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.70%
32) Benzene-d6	5.34	84	304641	53.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.48%
36) 1,2-Dichloropropane-d6	6.33	67	104047	53.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.06%
41) Toluene-d8	7.56	98	272940	52.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.28%
43) trans-1,3-Dichloropropene-	7.85	79	44843	51.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.98%
47) 2-Hexanone-d5	8.31	63	102396	110.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	136061	50.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	90498	53.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.70%

Target Compounds

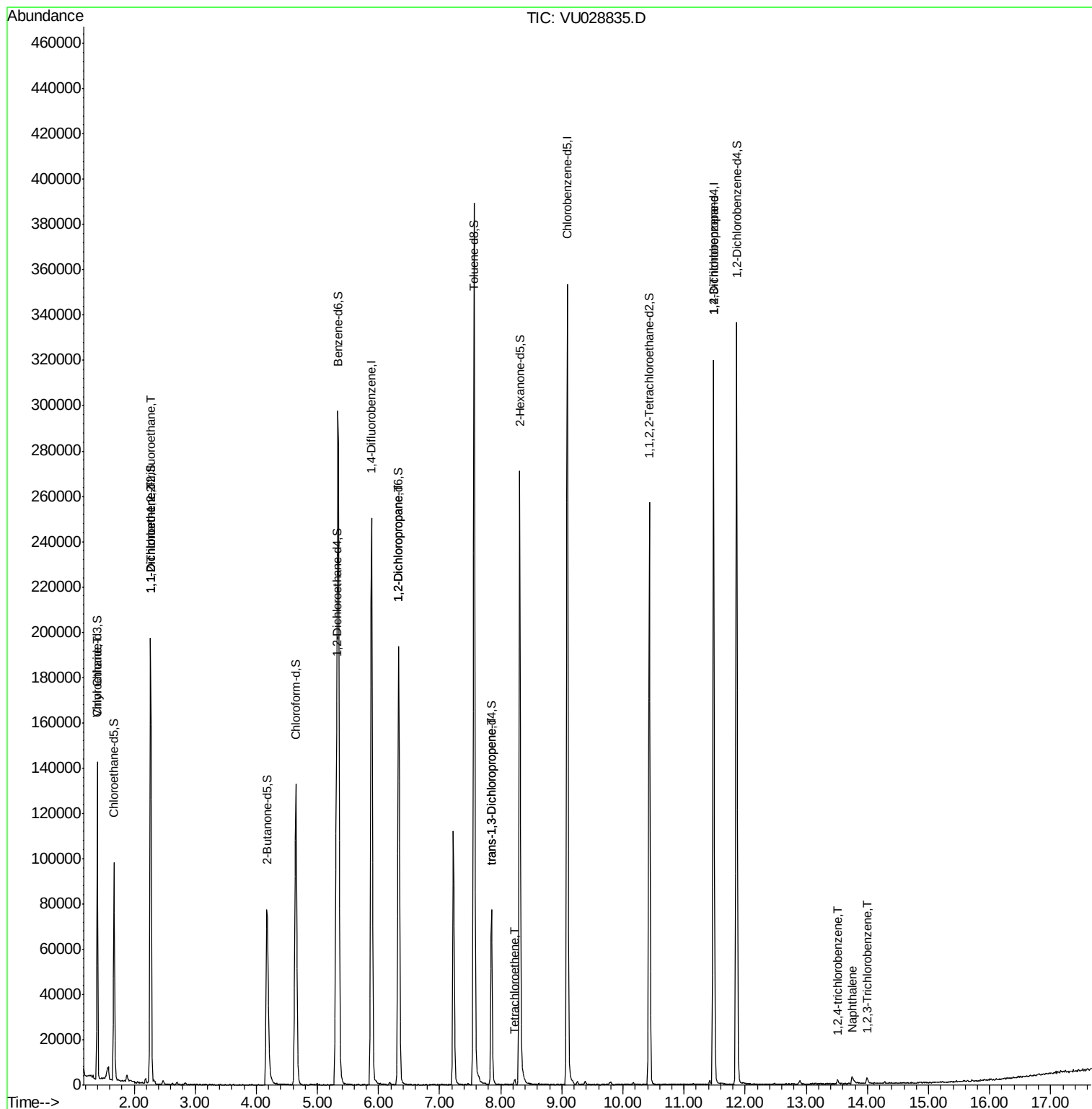
					Qvalue	
8) Chloroethane	1.40	64	1317	1.081	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1166	0.826	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	910	0.652	ug/L #	1
37) 1,2-Dichloropropane	6.33	63	9894	5.489	ug/L #	90
44) trans-1,3-Dichloropropene	7.85	75	1751	0.764	ug/L	91
46) Tetrachloroethene	8.23	164	628	0.524	ug/L	84
59) 1,2,3-Trichloropropane	11.48	75	10806	5.024	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	946	0.575	ug/L #	85
69) Naphthalene	13.75	128	5577	0.977	ug/L #	77
70) 1,2,3-Trichlorobenzene	14.00	180	1585	0.894	ug/L #	91

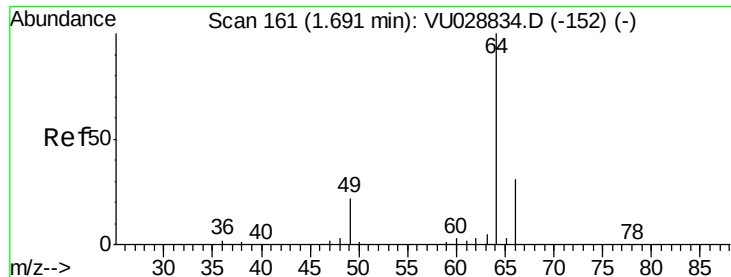
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 21 05:57:29 2018
Response via : Initial Calibration





#8

Chloroethane

Concen: 1.081 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028835.D

Acq: 20 Dec 2018 19:31

Instrument :

MSVOA_U

ClientSampled :

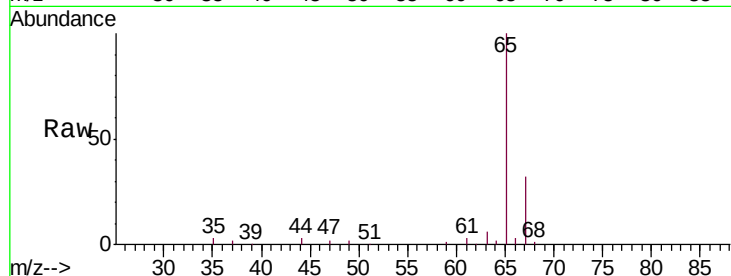
VBLK60

Tgt Ion: 64 Resp: 1317

Ion Ratio Lower Upper

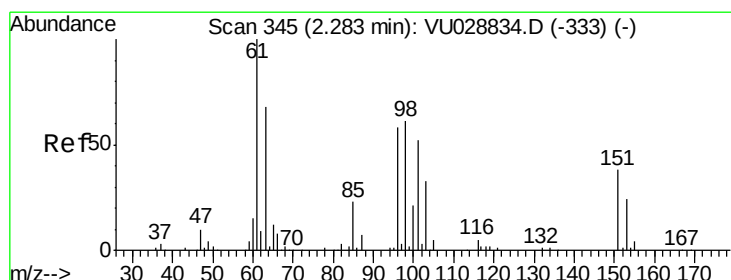
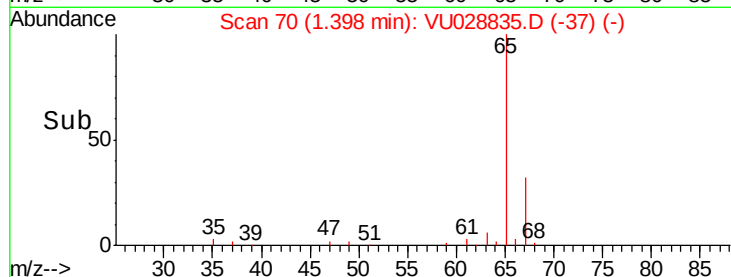
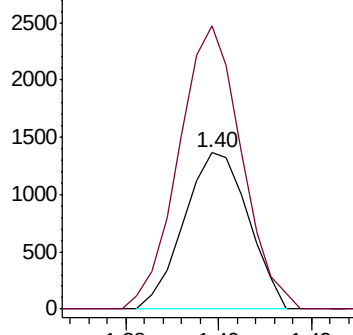
64 100

66 181.4 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#10

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

Concen: 0.826 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU028835.D

Acq: 20 Dec 2018 19:31

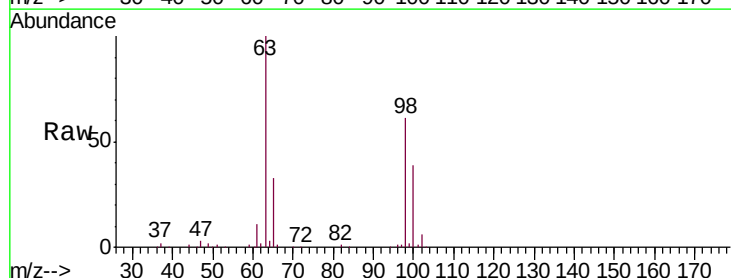
Tgt Ion: 101 Resp: 1166

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

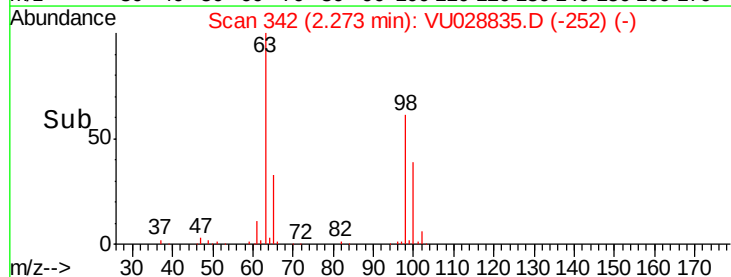
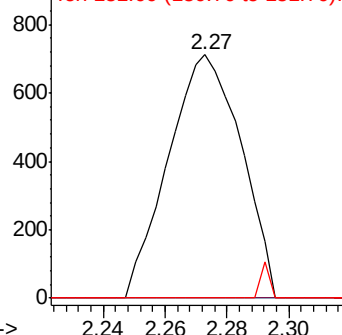
151 0.0 59.4 89.0#

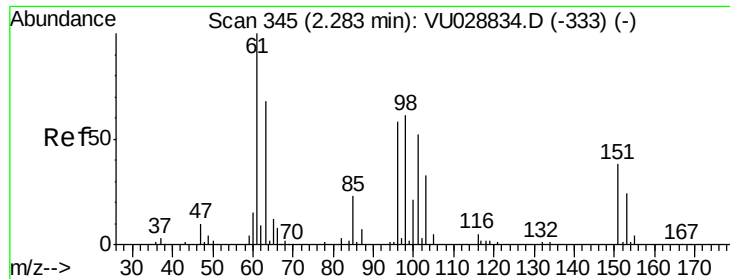


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

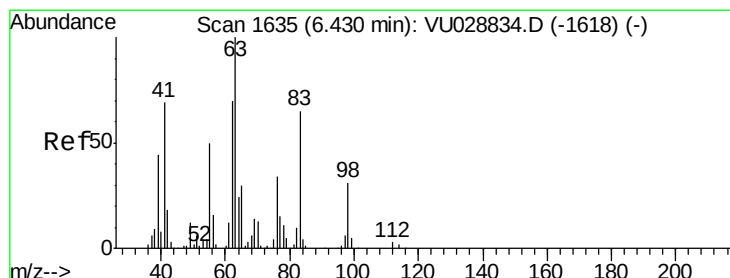
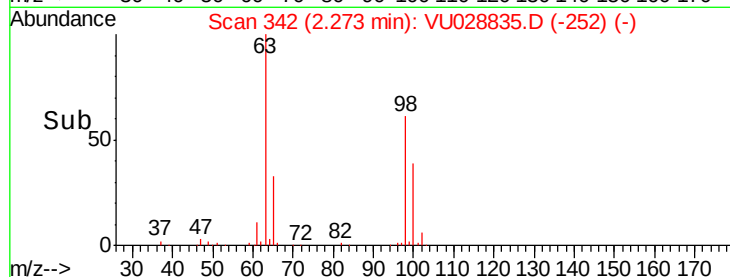
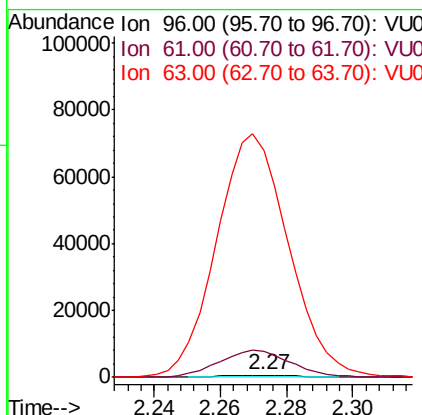
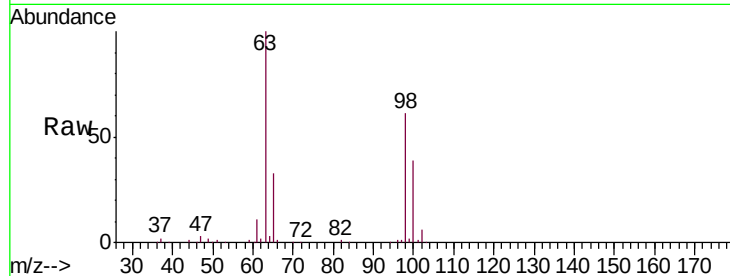




#12
 1,1-Dichloroethene
 Concen: 0.652 ug/L
 RT: 2.27 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VU028835.D
 Acq: 20 Dec 2018 19:31

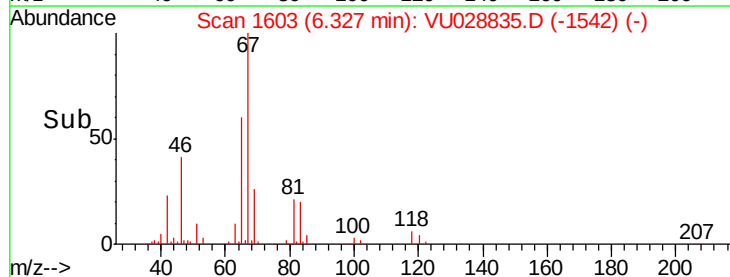
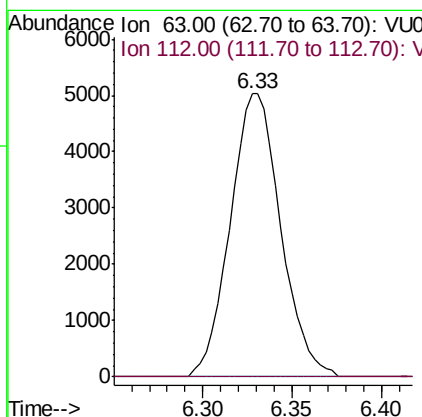
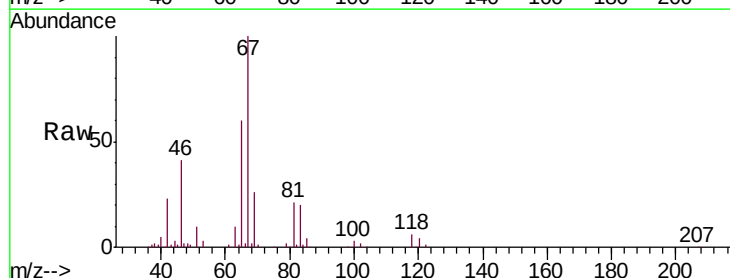
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK60

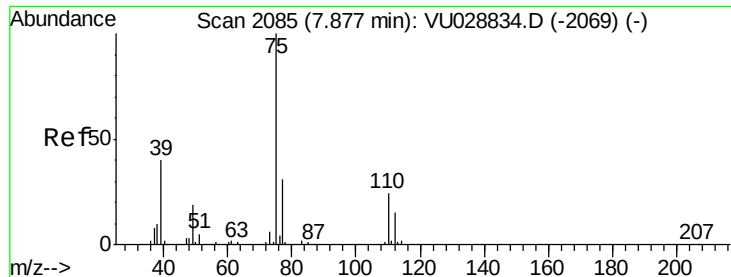
Tgt Ion: 96 Resp: 910
 Ion Ratio Lower Upper
 96 100
 61 1395.1 119.3 221.5#
 63 12227.3 107.4 199.6#



#37
 1,2-Dichloropropane
 Concen: 5.489 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU028835.D
 Acq: 20 Dec 2018 19:31

Tgt Ion: 63 Resp: 9894
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#





#44

trans-1,3-Dichloropropene

Concen: 0.764 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028835.D

Acq: 20 Dec 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

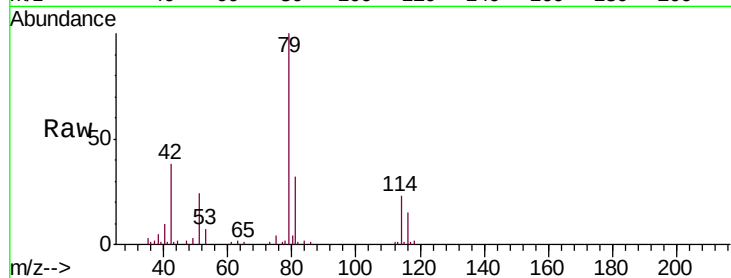
VBLK60

Tgt Ion: 75 Resp: 1751

Ion Ratio Lower Upper

75 100

77 36.4 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU028834.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU028834.D (-2069) (-)

7.85

1000

800

600

400

200

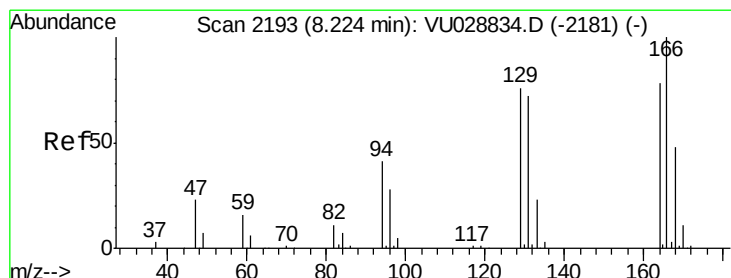
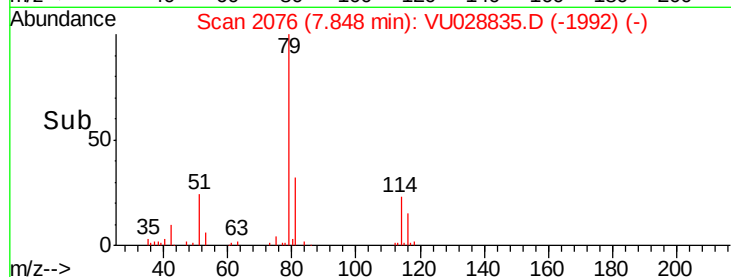
0

Time-->

7.80

7.85

7.90



#46

Tetrachloroethene

Concen: 0.524 ug/L

RT: 8.23 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VU028835.D

Acq: 20 Dec 2018 19:31

Tgt Ion: 164 Resp: 628

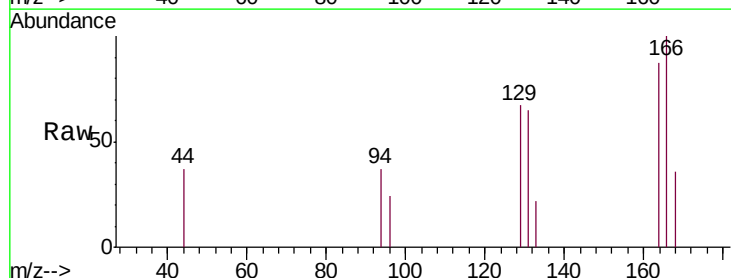
Ion Ratio Lower Upper

164 100

129 77.4 66.8 124.0

131 74.7 64.2 119.2

166 115.6 90.8 168.6



Abundance Ion 164.00 (163.70 to 164.70): VU028834.D (-2181) (-)

Ion 129.00 (128.70 to 129.70): VU028834.D (-2181) (-)

Ion 131.00 (130.70 to 131.70): VU028834.D (-2181) (-)

Ion 166.00 (165.70 to 166.70): VU028834.D (-2181) (-)

800

600

400

200

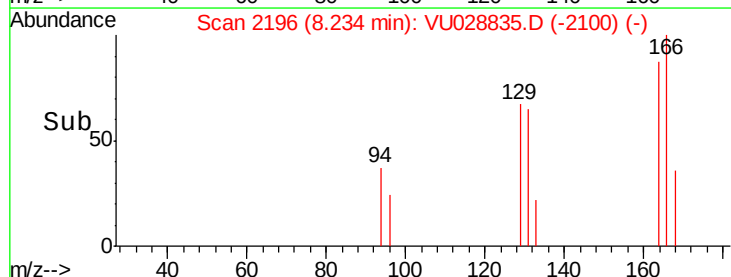
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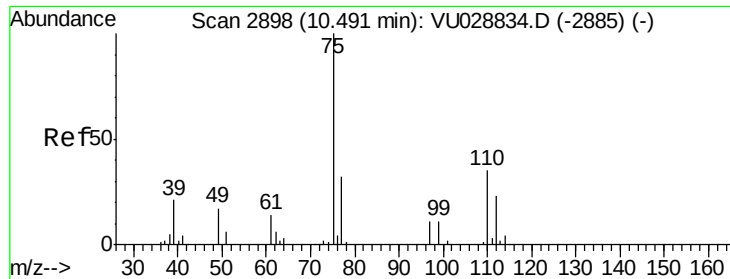
Time-->

8.20

8.22

8.24

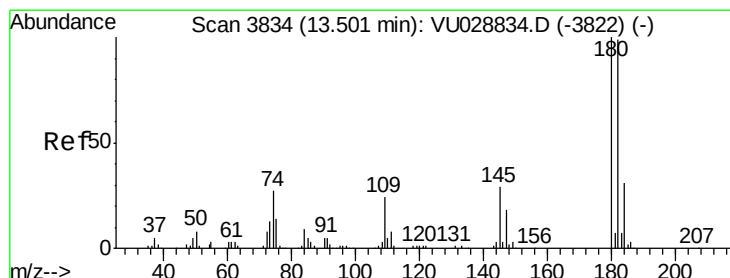
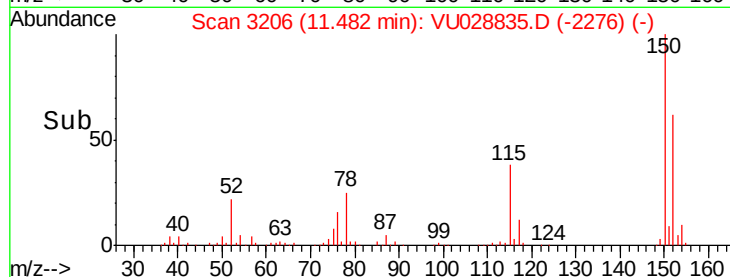
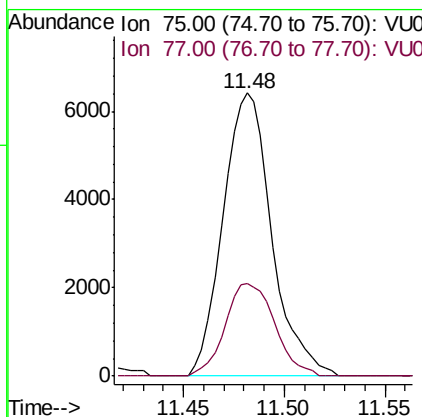
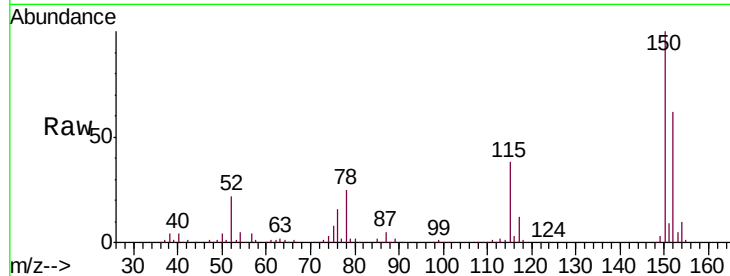




#59
 1,2,3-Trichloropropane
 Concen: 5.024 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028835.D
 Acq: 20 Dec 2018 19:31

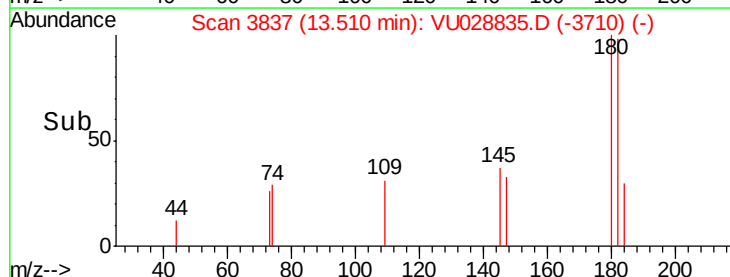
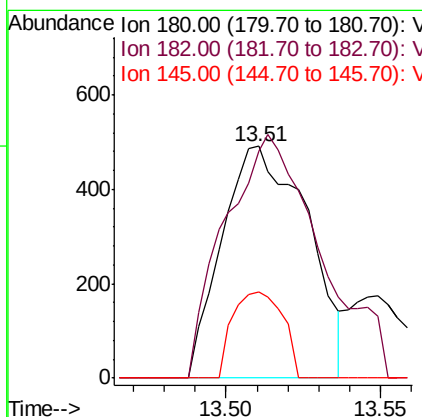
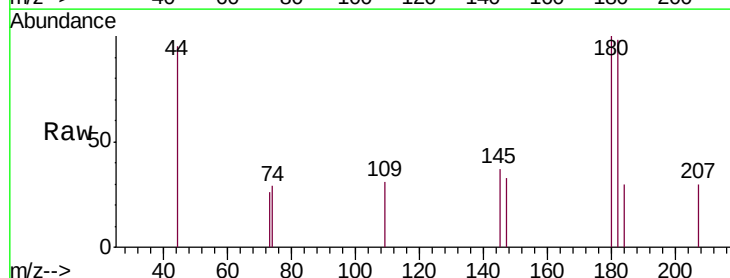
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK60

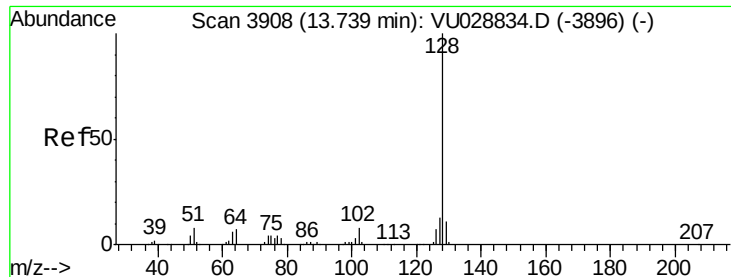
Tgt Ion: 75 Resp: 10806
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.5 38.3



#68
 1,2,4-trichlorobenzene
 Concen: 0.575 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU028835.D
 Acq: 20 Dec 2018 19:31

Tgt Ion: 180 Resp: 946
 Ion Ratio Lower Upper
 180 100
 182 111.2 77.4 116.0
 145 21.7 23.5 35.3#





#69

Naphthalene

Concen: 0.977 ug/L

RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU028835.D

Acq: 20 Dec 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VBLK60

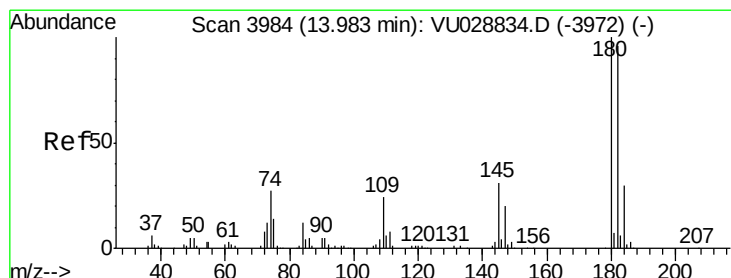
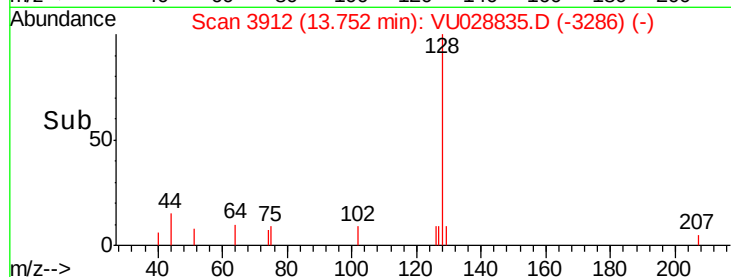
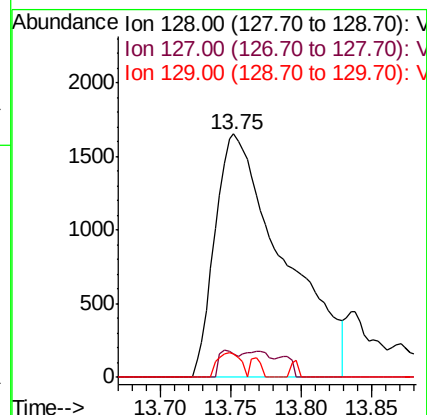
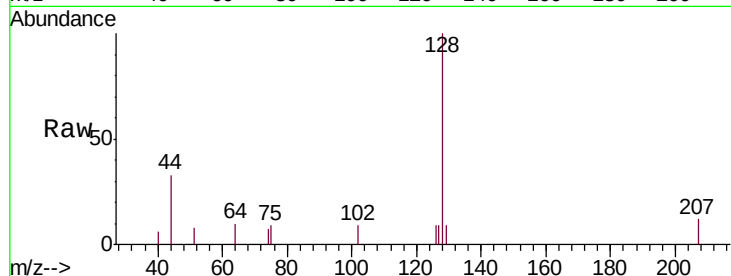
Tgt Ion:128 Resp: 5577

Ion Ratio Lower Upper

128 100

127 2.9 10.5 15.7#

129 3.3 8.7 13.1#



#70

1,2,3-Trichlorobenzene

Concen: 0.894 ug/L

RT: 14.00 min Scan# 3988

Delta R.T. 0.01 min

Lab File: VU028835.D

Acq: 20 Dec 2018 19:31

Tgt Ion:180 Resp: 1585

Ion Ratio Lower Upper

180 100

182 93.4 75.8 113.8

145 12.7 24.5 36.7#

