

Data File : VU028541.D
Acq On : 10 Dec 2018 10:17
Operator : MD/SY
Sample : VU1210WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK52

Quant Time: Dec 11 02:54:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 11 02:51:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	148200	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	138473	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	60538	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63714	46.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.06%
7) Chloroethane-d5	1.68	69	50145	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.66%
11) 1,1-Dichloroethene-d2	2.27	63	87589	35.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.78%
21) 2-Butanone-d5	4.17	46	120519	108.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.43%
24) Chloroform-d	4.65	84	108997	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.52%
26) 1,2-Dichloroethane-d4	5.31	65	74621	51.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.34%
32) Benzene-d6	5.34	84	226382	52.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.58%
36) 1,2-Dichloropropane-d6	6.33	67	82864	53.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.58%
41) Toluene-d8	7.56	98	197731	50.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.18%
43) trans-1,3-Dichloropropene-	7.85	79	37397	52.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.18%
47) 2-Hexanone-d5	8.31	63	84874	112.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	106378	52.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	67493	54.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.90%

Target Compounds

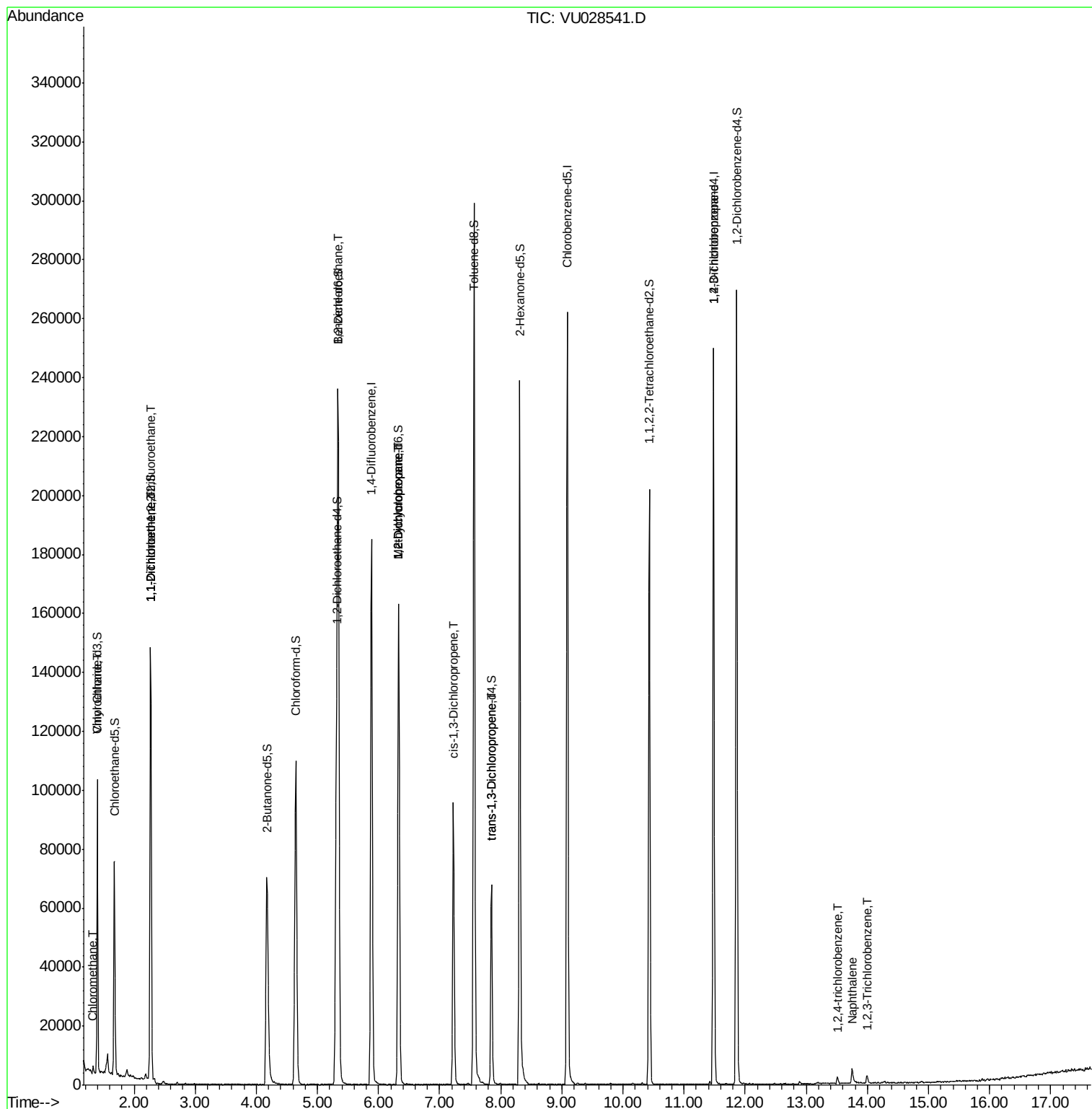
					Qvalue
3) Chloromethane	1.33	50	2289	1.206 ug/L	96
8) Chloroethane	1.40	64	835	0.887 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	606	0.588 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	626	0.641 ug/L #	1
27) 1,2-Dichloroethane	5.34	62	1225	0.671 ug/L #	76
35) Methylcyclohexane	6.33	83	17120	8.464 ug/L #	15
37) 1,2-Dichloropropane	6.33	63	8318	5.633 ug/L #	91
39) cis-1,3-Dichloropropene	7.22	75	2085	0.995 ug/L #	70
44) trans-1,3-Dichloropropene	7.85	75	1528	0.791 ug/L #	76
59) 1,2,3-Trichloropropane	11.48	75	8663	5.192 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	997	0.708 ug/L	96
69) Naphthalene	13.75	128	5874	1.257 ug/L #	92
70) 1,2,3-Trichlorobenzene	13.99	180	1390	0.989 ug/L #	95

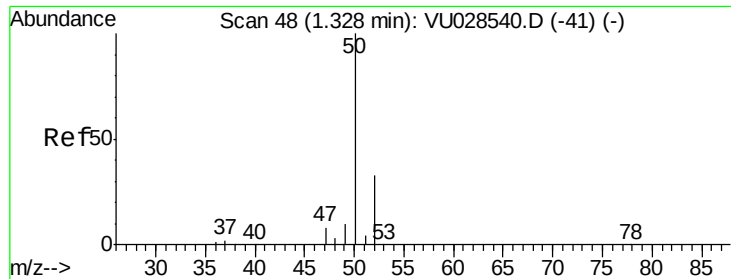
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.206 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028541.D

Acq: 10 Dec 2018 10:17

Instrument :

MSVOA_U

ClientSampleId :

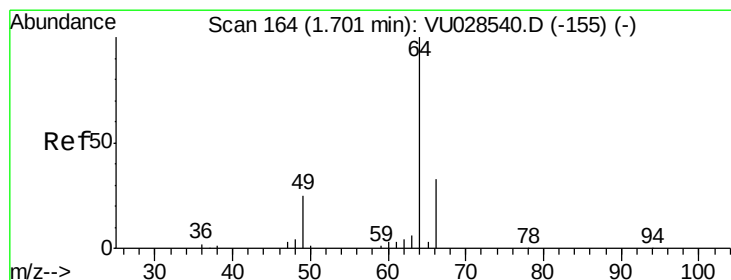
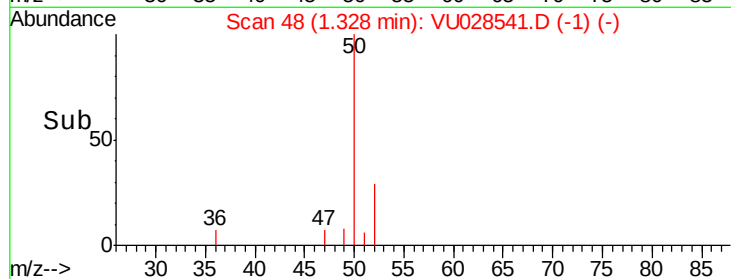
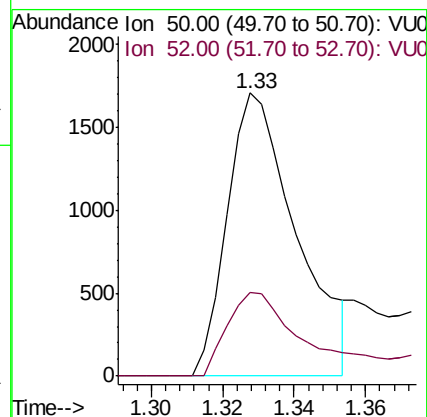
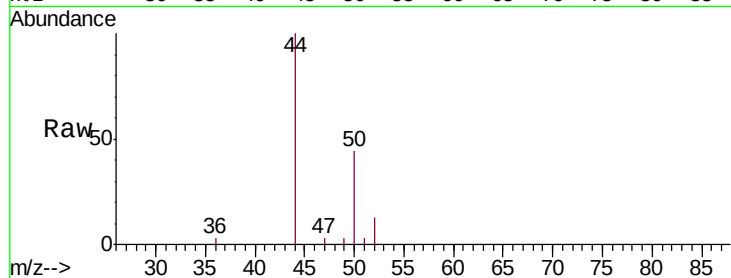
VBLK52

Tgt Ion: 50 Resp: 2289

Ion Ratio Lower Upper

50 100

52 29.4 22.0 41.0



#8

Chloroethane

Concen: 0.887 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.30 min

Lab File: VU028541.D

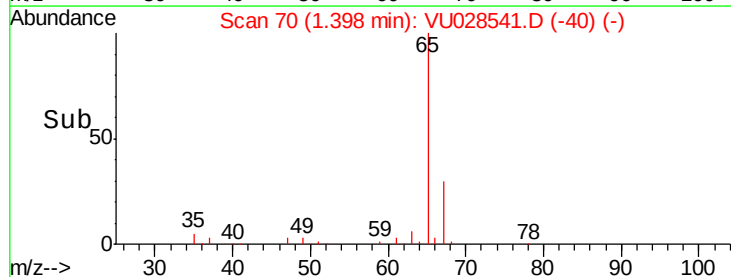
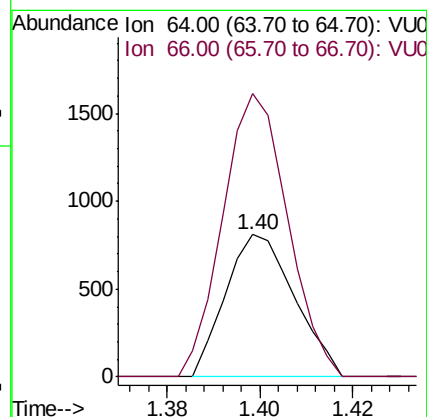
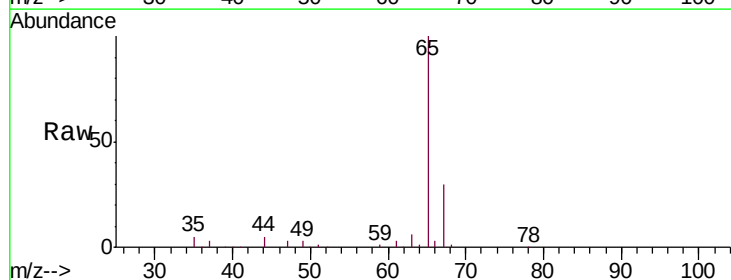
Acq: 10 Dec 2018 10:17

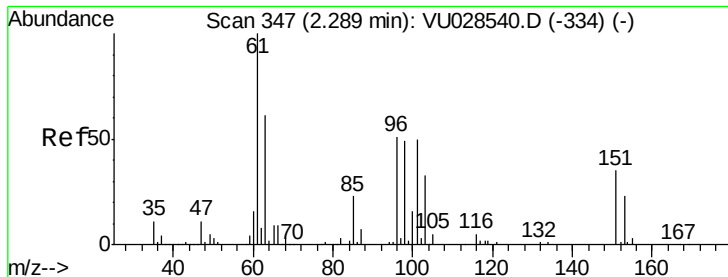
Tgt Ion: 64 Resp: 835

Ion Ratio Lower Upper

64 100

66 199.0 22.4 41.6#





#10

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

Concen: 0.588 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028541.D

Acq: 10 Dec 2018 10:17

Instrument :

MSVOA_U

ClientSampled :

VBLK52

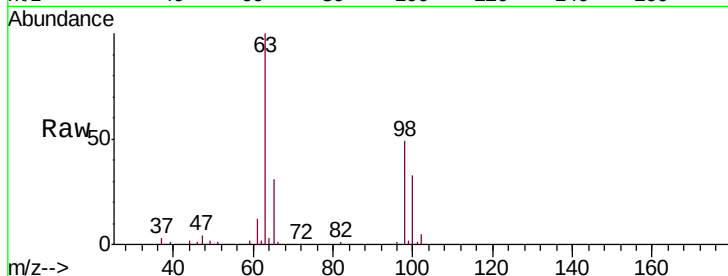
Tgt Ion: 101 Resp: 606

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

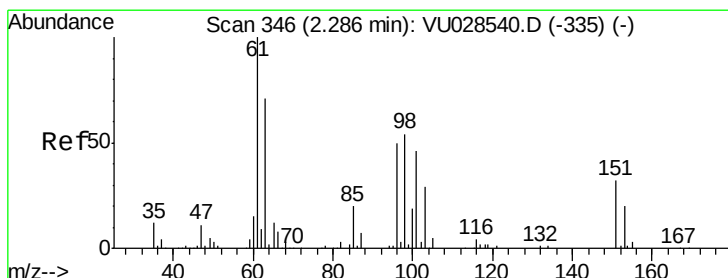
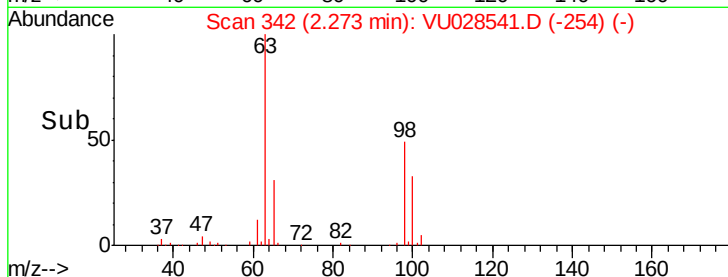
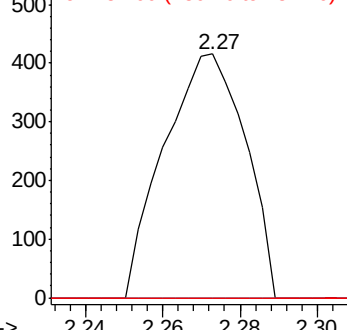
151 0.0 55.8 83.8#



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: 0.641 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU028541.D

Acq: 10 Dec 2018 10:17

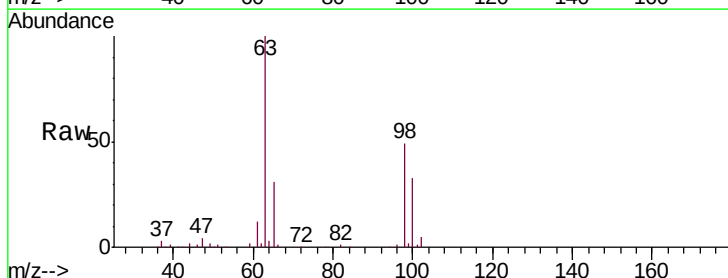
Tgt Ion: 96 Resp: 626

Ion Ratio Lower Upper

96 100

61 1526.7 143.2 266.0#

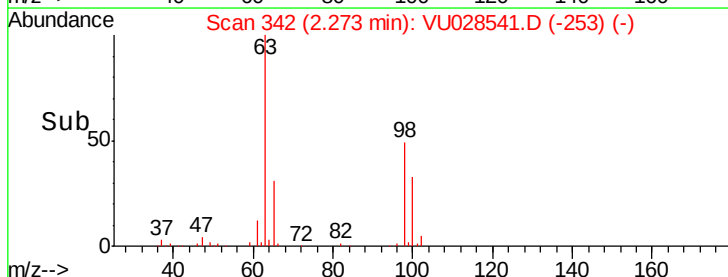
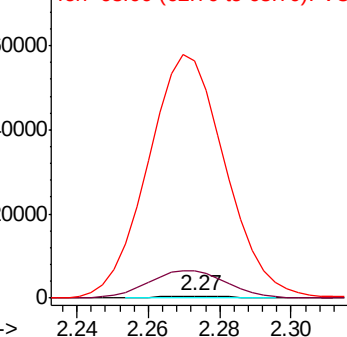
63 13219.7 130.1 241.7#

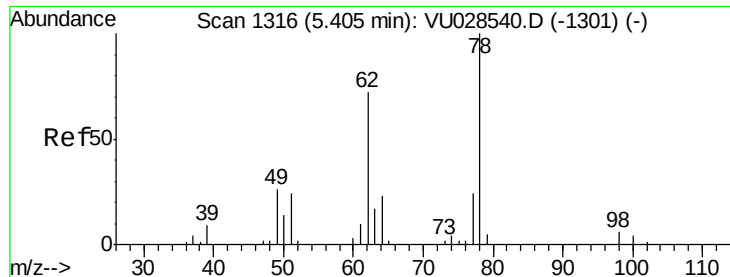


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

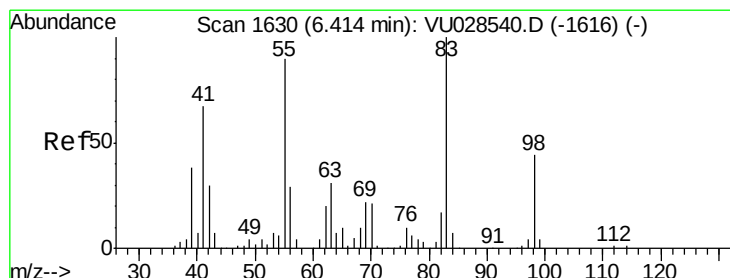
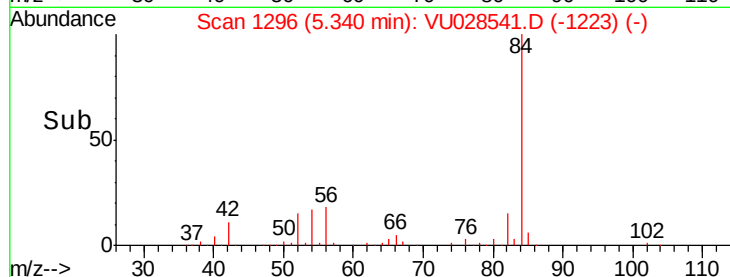
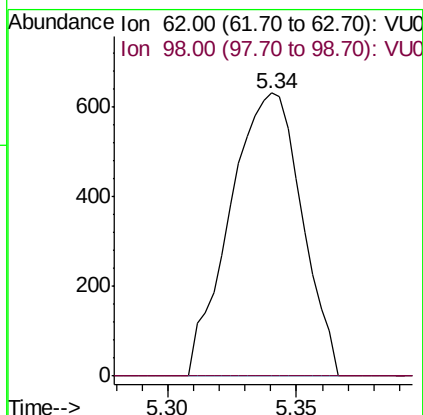
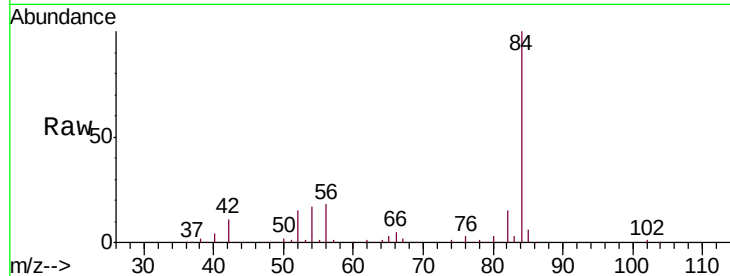




#27
 1,2-Dichloroethane
 Concen: 0.671 ug/L
 RT: 5.34 min Scan# 1296
 Delta R.T. -0.06 min
 Lab File: VU028541.D
 Acq: 10 Dec 2018 10:17

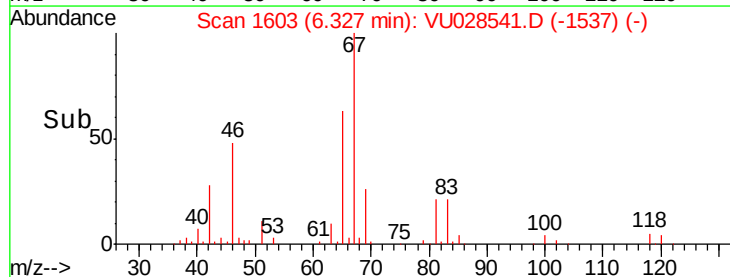
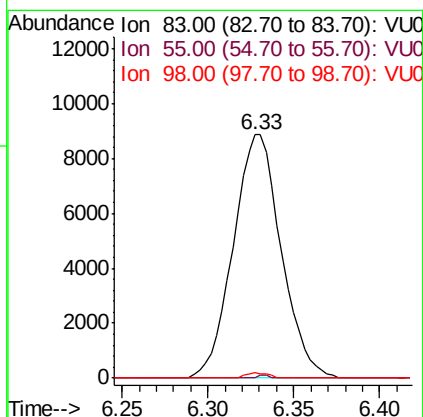
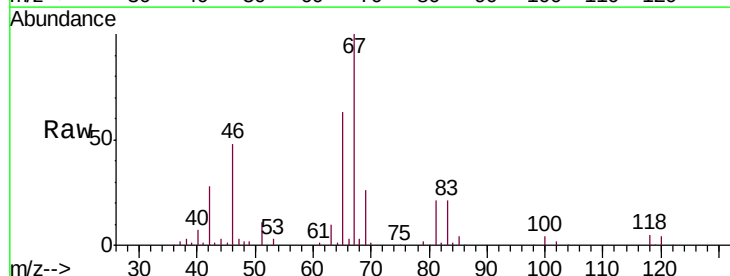
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 VBLK52

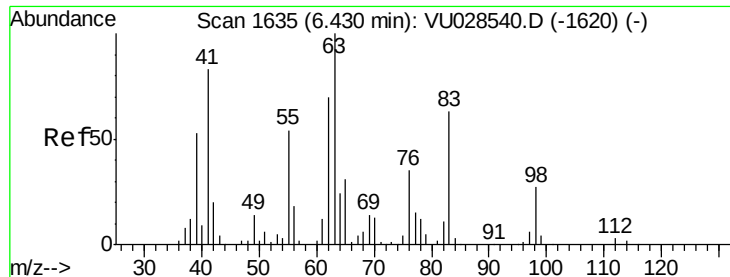
Tgt Ion: 62 Resp: 1225
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#35
 Methylcyclohexane
 Concen: 8.464 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.09 min
 Lab File: VU028541.D
 Acq: 10 Dec 2018 10:17

Tgt Ion: 83 Resp: 17120
 Ion Ratio Lower Upper
 83 100
 55 0.2 70.1 105.1#
 98 1.0 34.4 51.6#

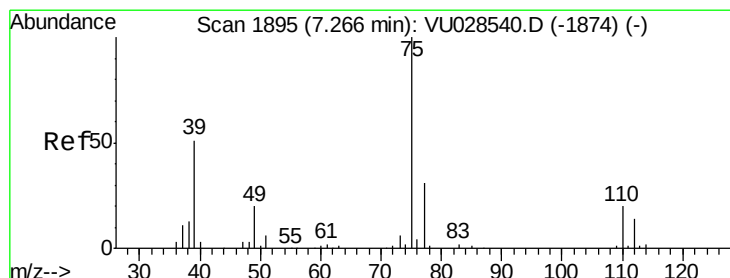
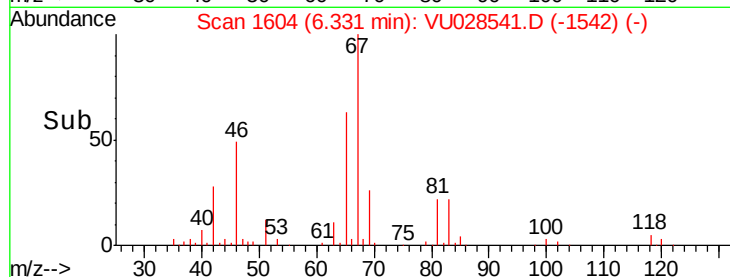
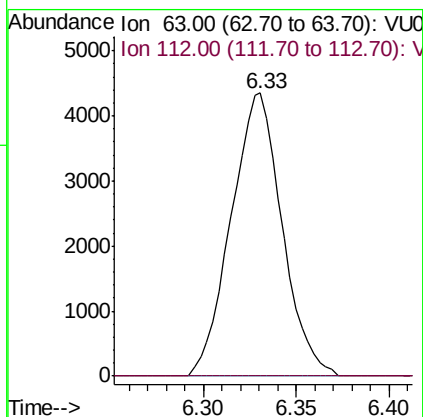
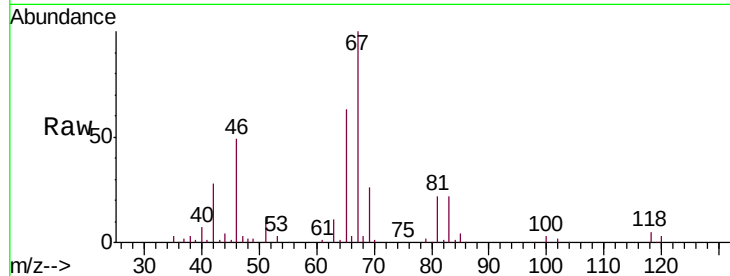




#37
 1,2-Dichloropropane
 Concen: 5.633 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU028541.D
 Acq: 10 Dec 2018 10:17

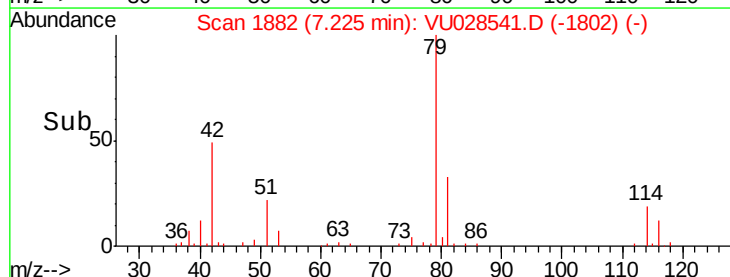
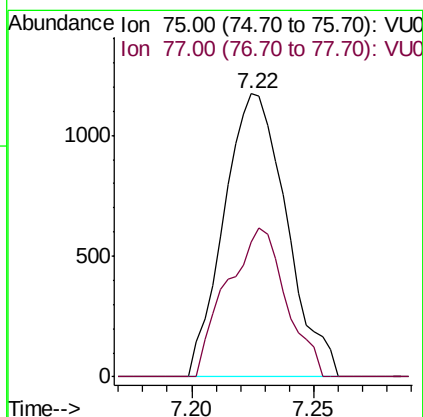
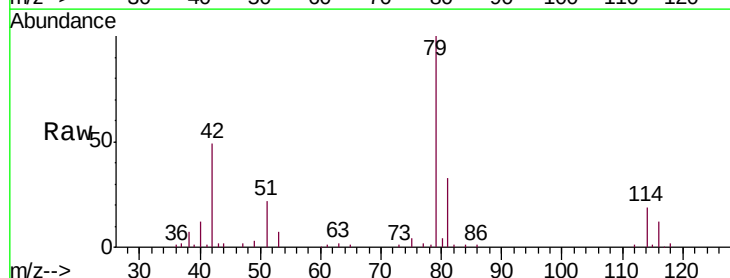
Instrument :
 MSVOA_U
 ClientSampleID :
 VBLK52

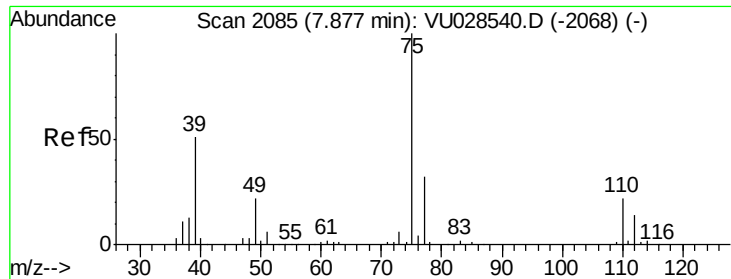
Tgt Ion: 63 Resp: 8318
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.4 3.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.995 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028541.D
 Acq: 10 Dec 2018 10:17

Tgt Ion: 75 Resp: 2085
 Ion Ratio Lower Upper
 75 100
 77 47.7 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.791 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028541.D

Acq: 10 Dec 2018 10:17

Instrument :

MSVOA_U

ClientSampleId :

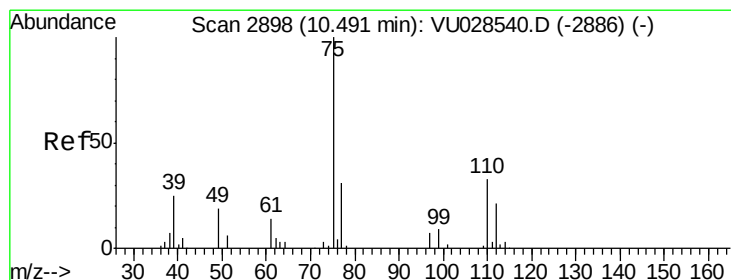
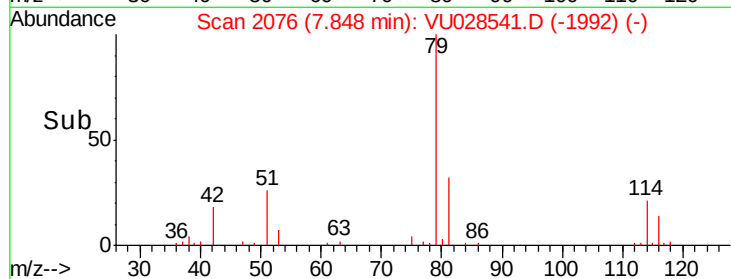
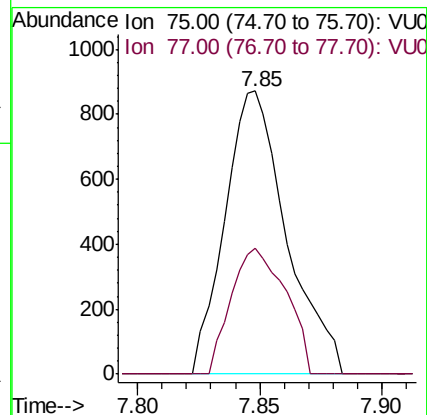
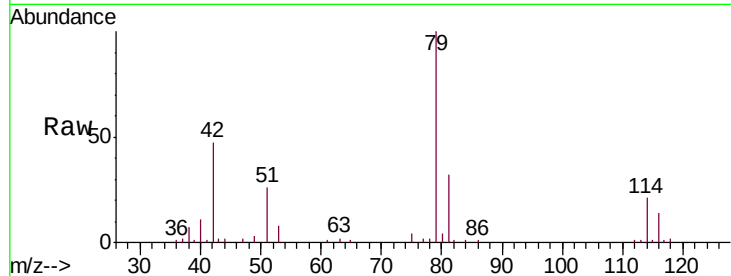
VBLK52

Tgt Ion: 75 Resp: 1528

Ion Ratio Lower Upper

75 100

77 44.5 21.8 40.6#



#59

1,2,3-Trichloropropane

Concen: 5.192 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028541.D

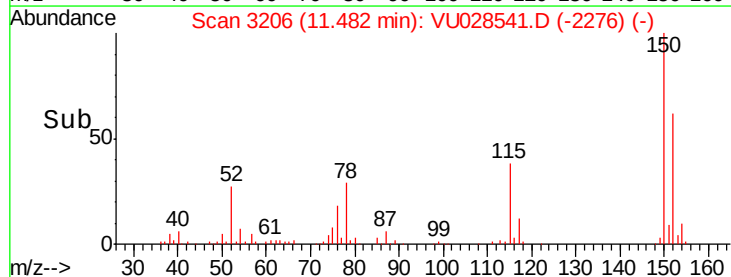
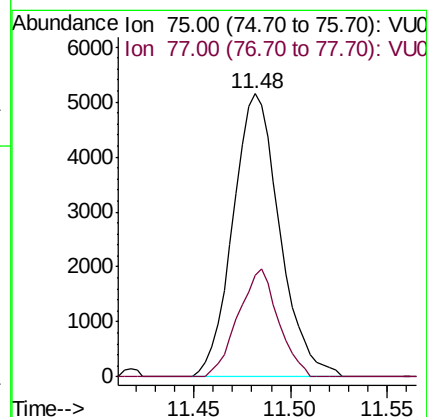
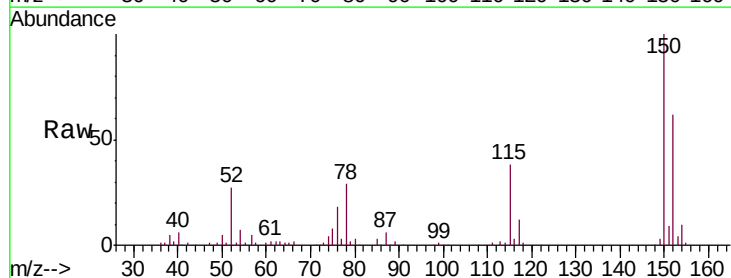
Acq: 10 Dec 2018 10:17

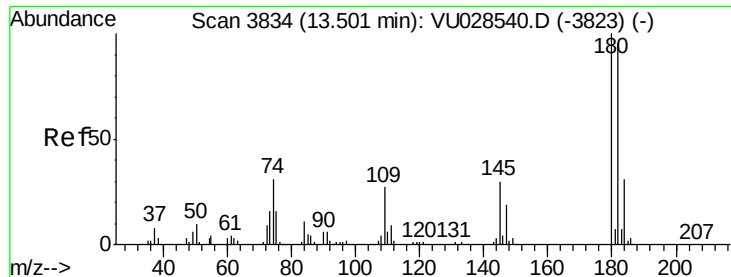
Tgt Ion: 75 Resp: 8663

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2

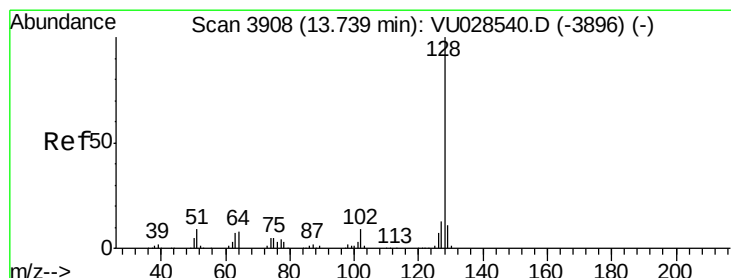
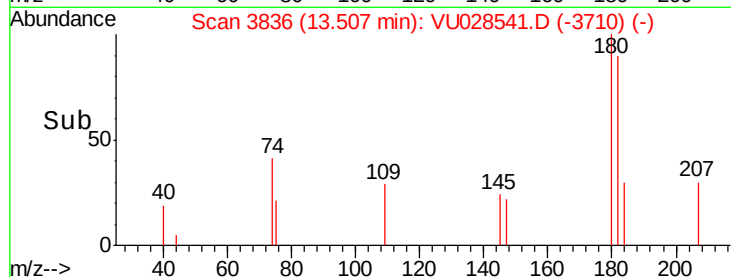
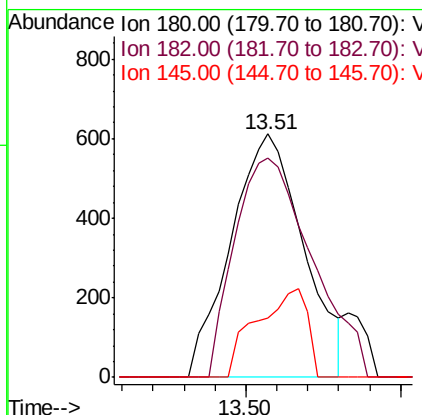
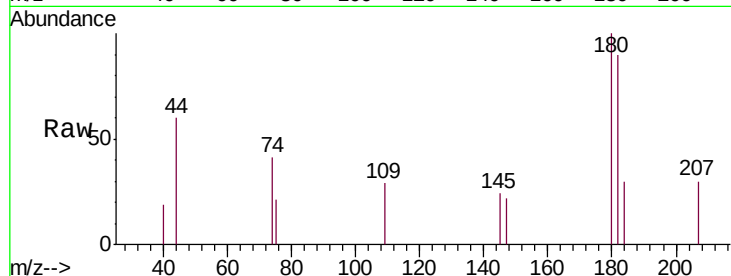




#68
 1,2,4-trichlorobenzene
 Concen: 0.708 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU028541.D
 Acq: 10 Dec 2018 10:17

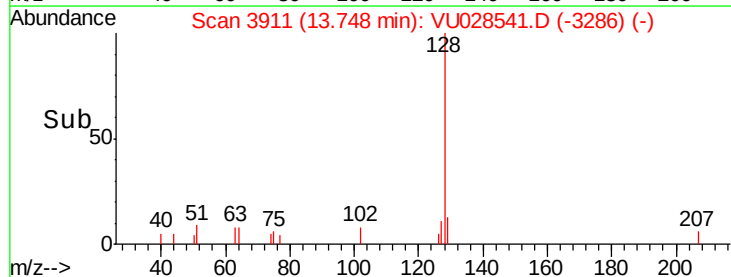
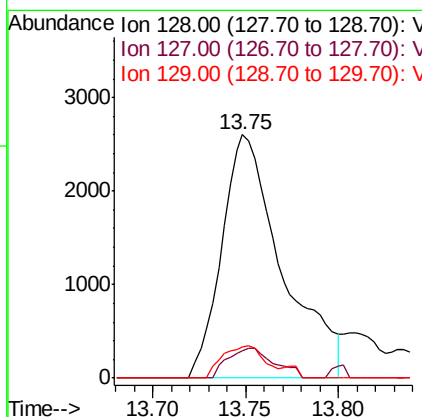
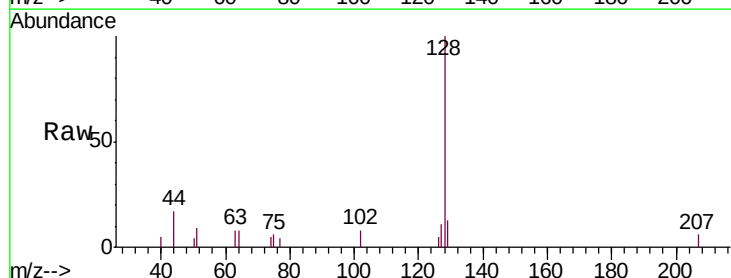
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK52

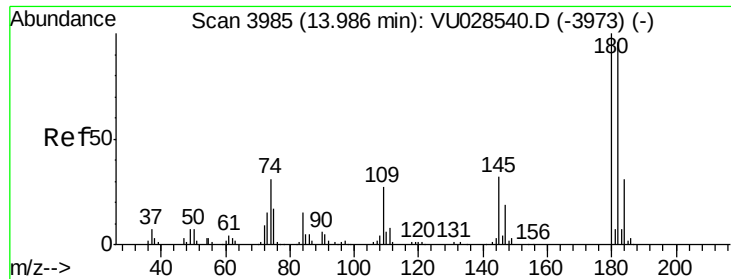
Tgt Ion:180 Resp: 997
 Ion Ratio Lower Upper
 180 100
 182 96.4 74.8 112.2
 145 25.4 23.0 34.6



#69
 Naphthalene
 Concen: 1.257 ug/L
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU028541.D
 Acq: 10 Dec 2018 10:17

Tgt Ion:128 Resp: 5874
 Ion Ratio Lower Upper
 128 100
 127 9.1 10.7 16.1#
 129 9.1 8.6 13.0





#70
 1,2,3-Trichlorobenzene
 Concen: 0.989 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU028541.D
 Acq: 10 Dec 2018 10:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK52

Tgt Ion:180 Resp: 1390
 Ion Ratio Lower Upper
 180 100
 182 92.7 75.2 112.8
 145 22.7 25.4 38.0#

