

Data File : VU028935.D
Acq On : 24 Dec 2018 10:16
Operator : MD/SY
Sample : J6506-22
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VHBLK03

Quant Time: Dec 25 00:05:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 25 00:02:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	236211	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	222179	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	97794	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75839	40.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.10%
7) Chloroethane-d5	1.67	69	66485	45.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.90%
11) 1,1-Dichloroethene-d2	2.27	63	112677	35.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.76%
21) 2-Butanone-d5	4.17	46	133279	100.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.45%
24) Chloroform-d	4.65	84	148685	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.86%
26) 1,2-Dichloroethane-d4	5.31	65	95443	52.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.00%
32) Benzene-d6	5.34	84	328256	52.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.33	67	109211	51.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.44%
41) Toluene-d8	7.56	98	298458	52.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.94%
43) trans-1,3-Dichloropropene-	7.85	79	51640	54.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.10%
47) 2-Hexanone-d5	8.31	63	113752	112.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	155499	52.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	114734	58.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.02%

Target Compounds

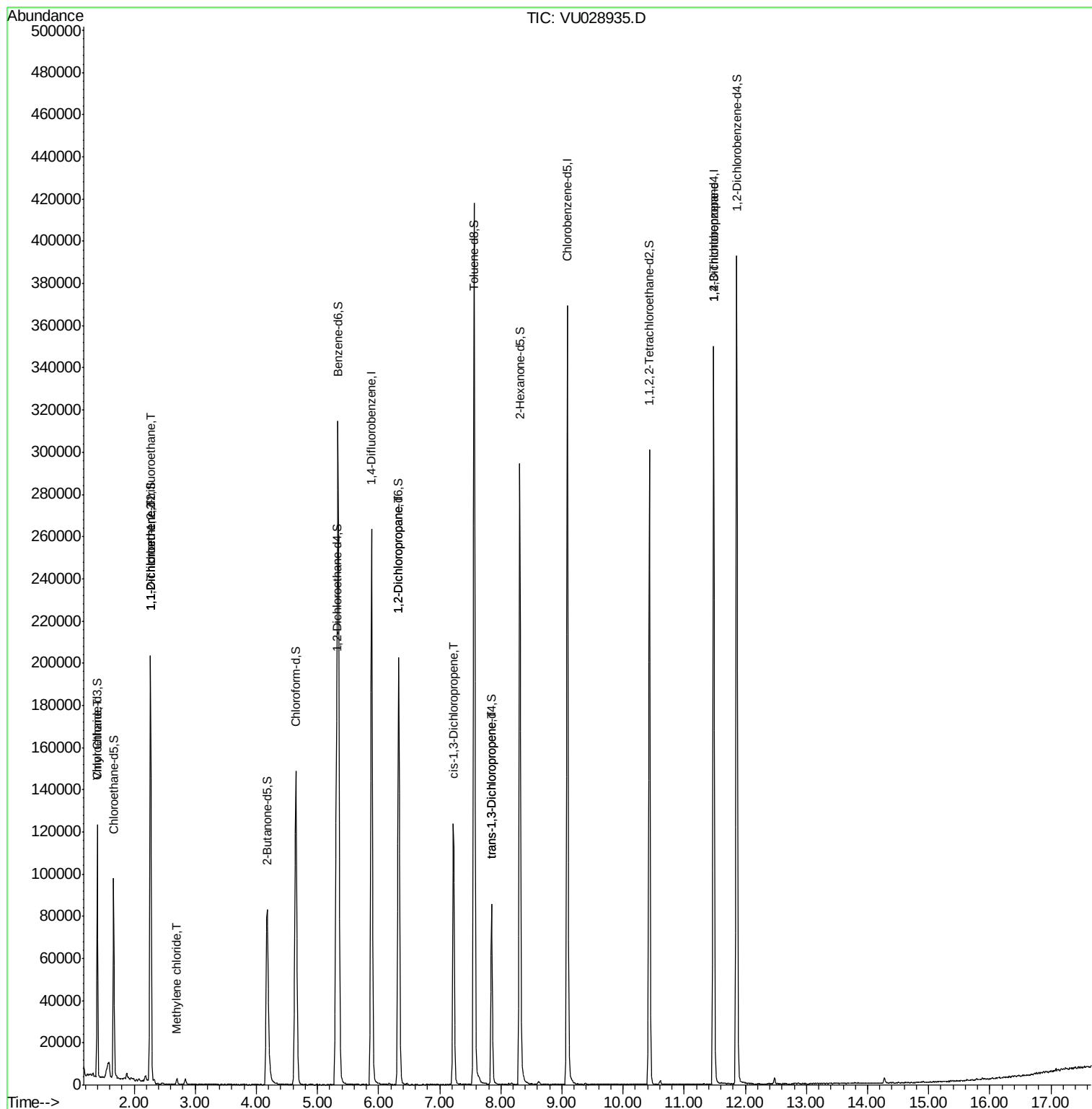
					Qvalue	
8) Chloroethane	1.40	64	1221	0.925	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1056	0.690	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	916	0.605	ug/L #	1
16) Methylene chloride	2.70	84	1336	0.715	ug/L	90
37) 1,2-Dichloropropane	6.33	63	10136	5.126	ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	2647	0.939	ug/L #	79
44) trans-1,3-Dichloropropene	7.85	75	1863	0.741	ug/L	95
59) 1,2,3-Trichloropropane	11.48	75	10774	4.566	ug/L	94

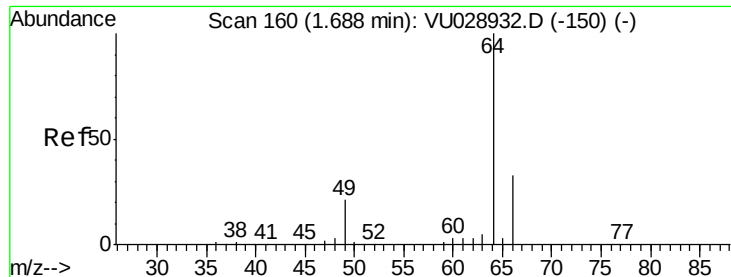
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.925 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028935.D

Acq: 24 Dec 2018 10:16

Instrument :

MSVOA_U

ClientSampleId :

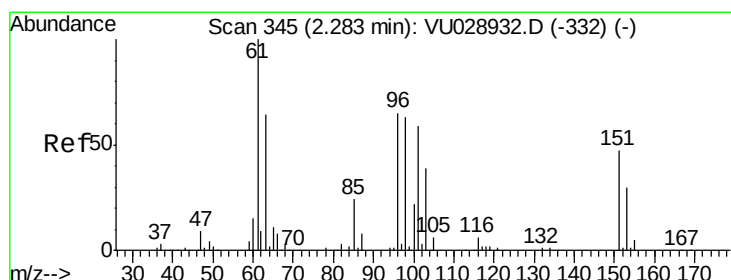
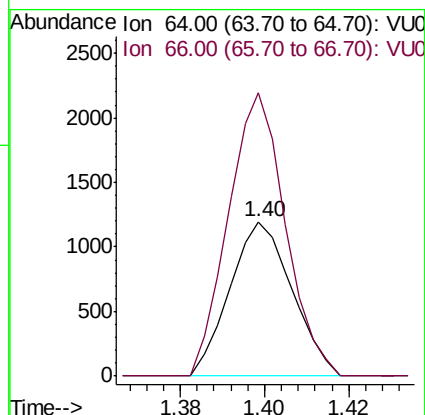
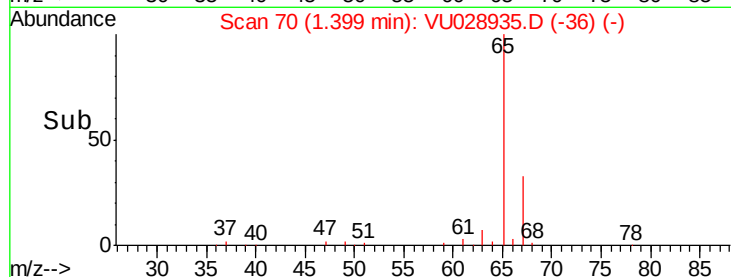
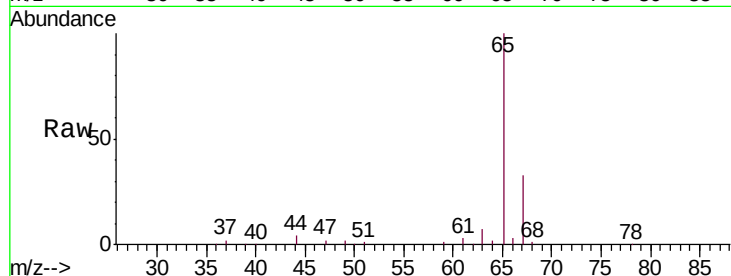
VHBLK03

Tgt Ion: 64 Resp: 1221

Ion Ratio Lower Upper

64 100

66 183.4 21.5 39.9#



#10

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

Concen: 0.690 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU028935.D

Acq: 24 Dec 2018 10:16

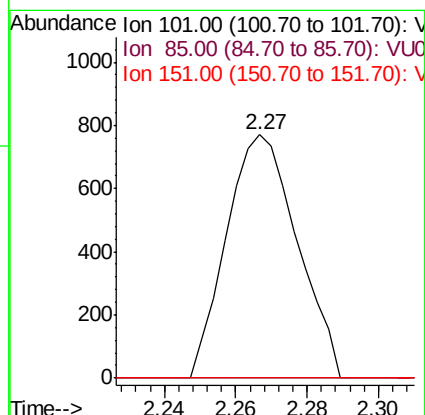
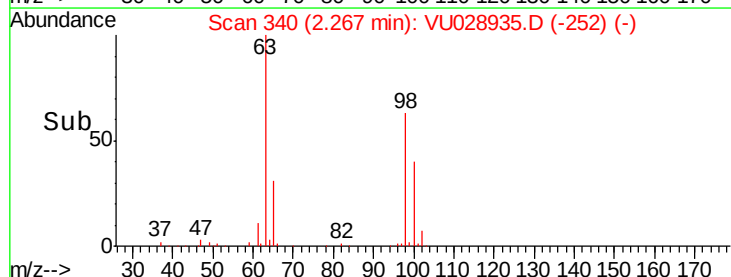
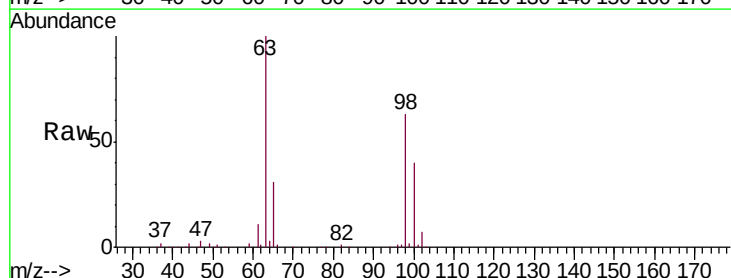
Tgt Ion: 101 Resp: 1056

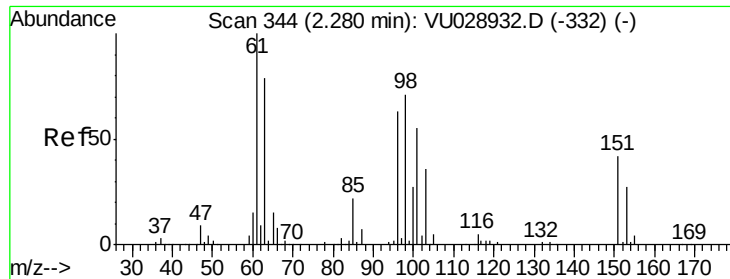
Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 59.4 89.0#

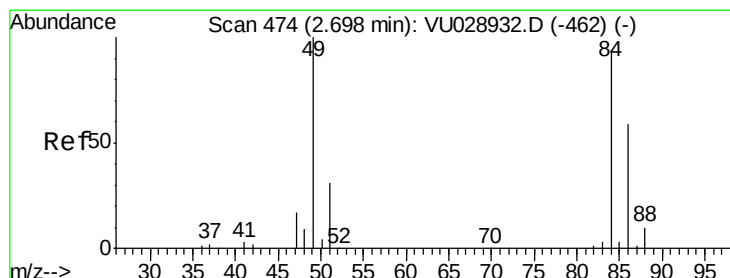
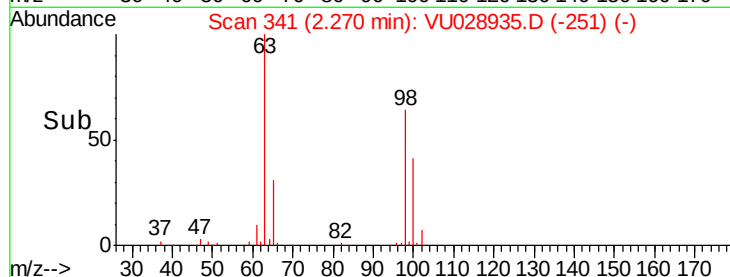
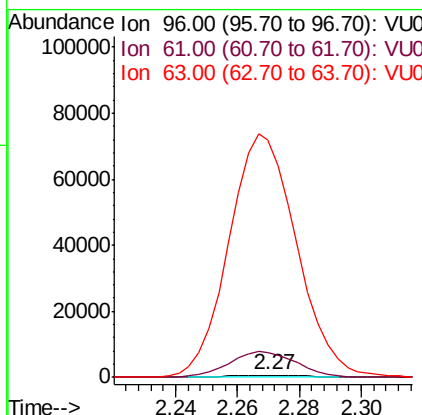
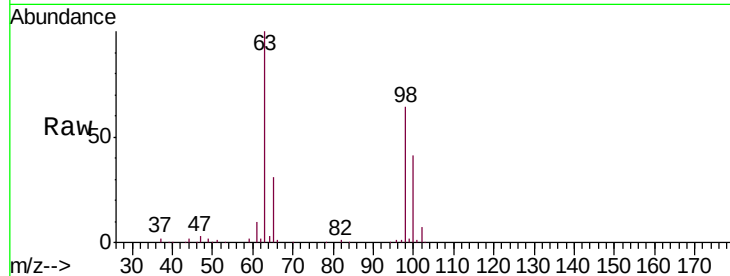




#12
 1,1-Dichloroethene
 Concen: 0.605 ug/L
 RT: 2.27 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VU028935.D
 Acq: 24 Dec 2018 10:16

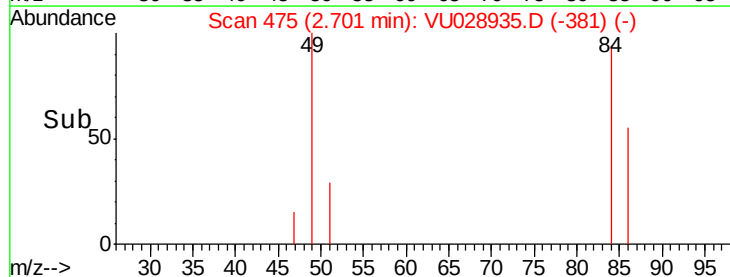
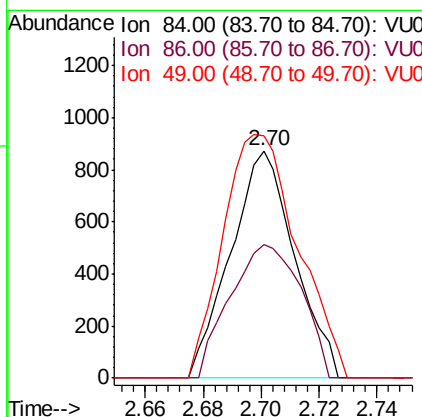
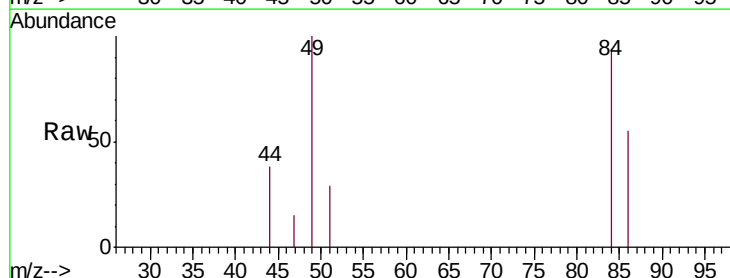
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK03

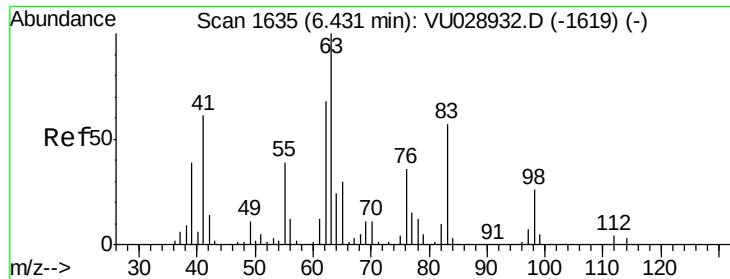
Tgt Ion: 96 Resp: 916
 Ion Ratio Lower Upper
 96 100
 61 1502.8 119.3 221.5#
 63 14314.1 107.4 199.6#



#16
 Methylene chloride
 Concen: 0.715 ug/L
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU028935.D
 Acq: 24 Dec 2018 10:16

Tgt Ion: 84 Resp: 1336
 Ion Ratio Lower Upper
 84 100
 86 58.6 44.9 83.3
 49 106.5 83.9 155.7

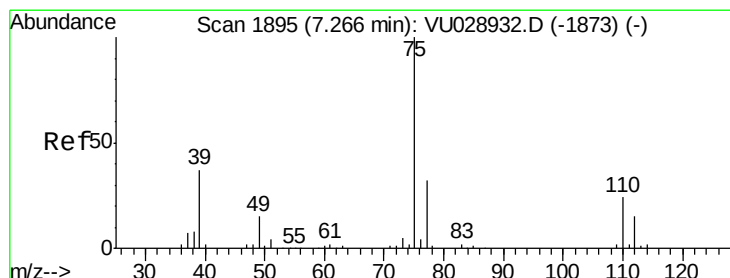
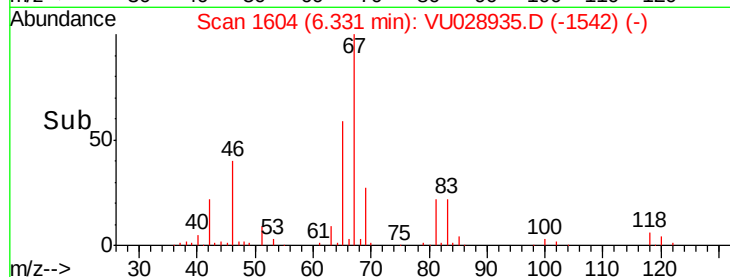
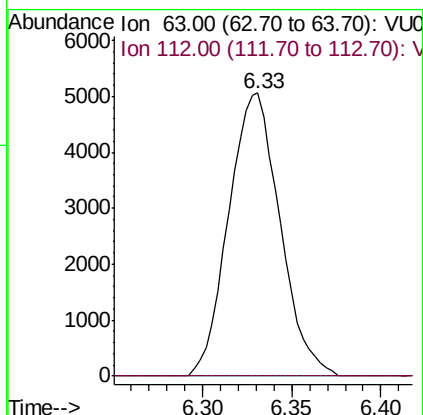
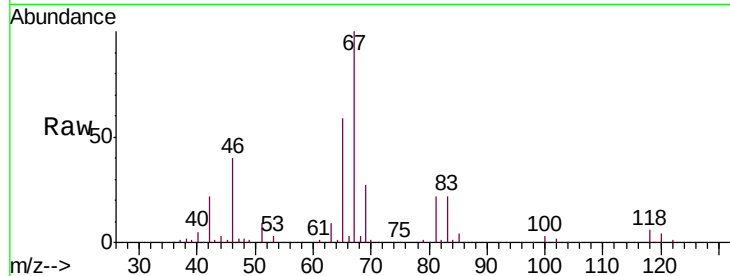




#37
 1,2-Dichloropropane
 Concen: 5.126 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU028935.D
 Acq: 24 Dec 2018 10:16

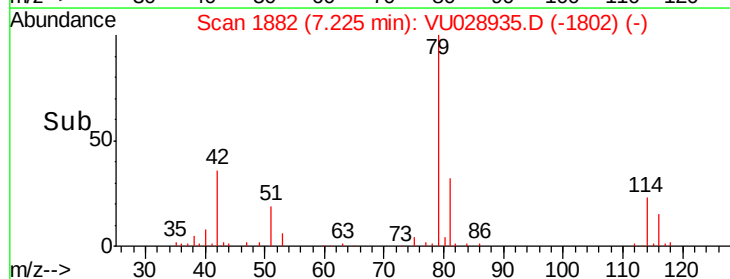
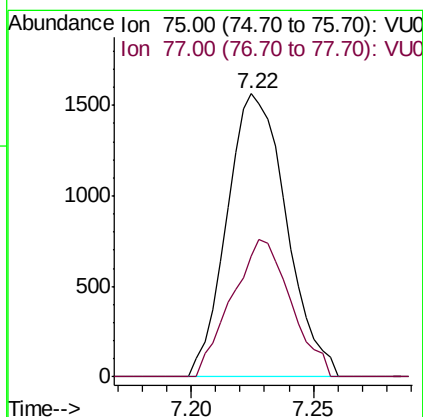
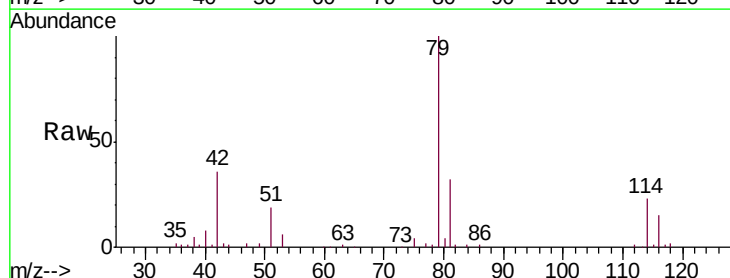
Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK03

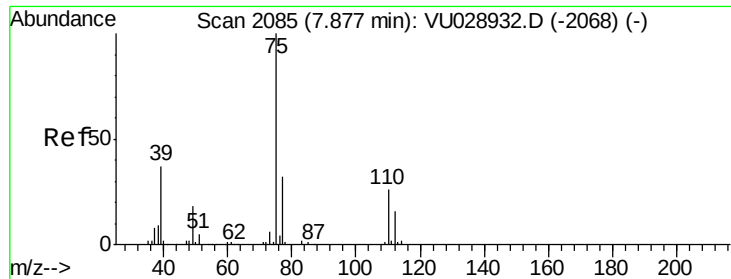
Tgt Ion: 63 Resp: 10136
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.939 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028935.D
 Acq: 24 Dec 2018 10:16

Tgt Ion: 75 Resp: 2647
 Ion Ratio Lower Upper
 75 100
 77 42.8 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.741 ug/L

RT: 7.85 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VU028935.D

Acq: 24 Dec 2018 10:16

Instrument :

MSVOA_U

ClientSampled :

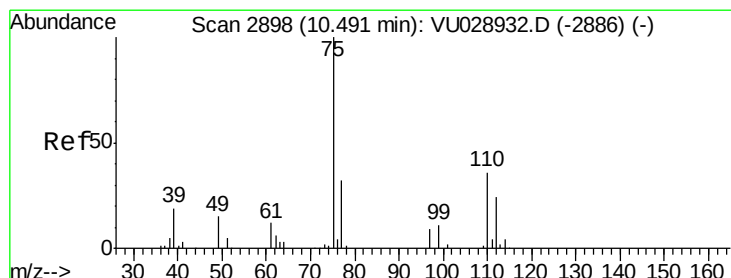
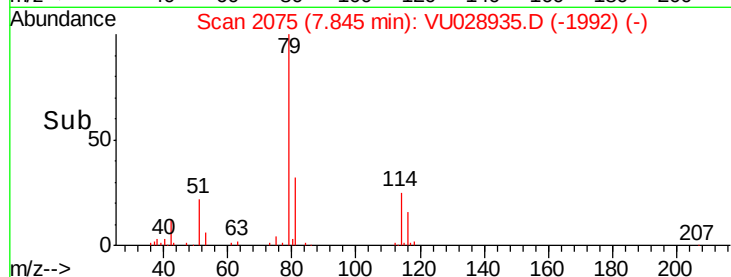
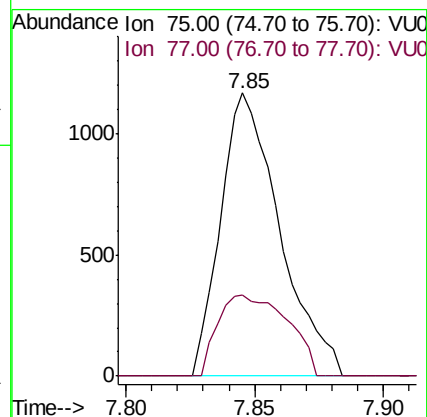
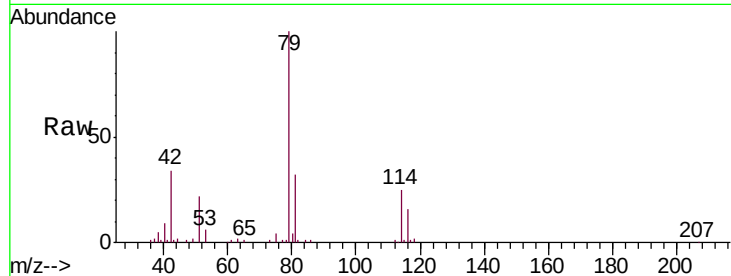
VHBLK03

Tgt Ion: 75 Resp: 1863

Ion Ratio Lower Upper

75 100

77 28.5 21.8 40.6



#59

1,2,3-Trichloropropane

Concen: 4.566 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028935.D

Acq: 24 Dec 2018 10:16

Tgt Ion: 75 Resp: 10774

Ion Ratio Lower Upper

75 100

77 35.3 25.5 38.3

