

Data File : VU026891.D
Acq On : 19 Sep 2018 11:10
Operator : MD/SY
Sample : VU0919WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB42

Quant Time: Sep 20 02:31:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 20 02:30:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	195876	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	185232	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	72462	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55781	38.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.00%
7) Chloroethane-d5	1.67	69	55285	44.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.16%
11) 1,1-Dichloroethene-d2	2.27	63	84825	30.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.88%
21) 2-Butanone-d5	4.17	46	112397	116.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.89%
24) Chloroform-d	4.65	84	133035	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.31	65	87897	51.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.88%
32) Benzene-d6	5.34	84	248678	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.33	67	89129	53.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.58%
41) Toluene-d8	7.57	98	197117	42.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.06%
43) trans-1,3-Dichloropropene-	7.85	79	34889	46.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.44%
47) 2-Hexanone-d5	8.31	63	73365	111.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	127588	54.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	84031	55.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.50%

Target Compounds

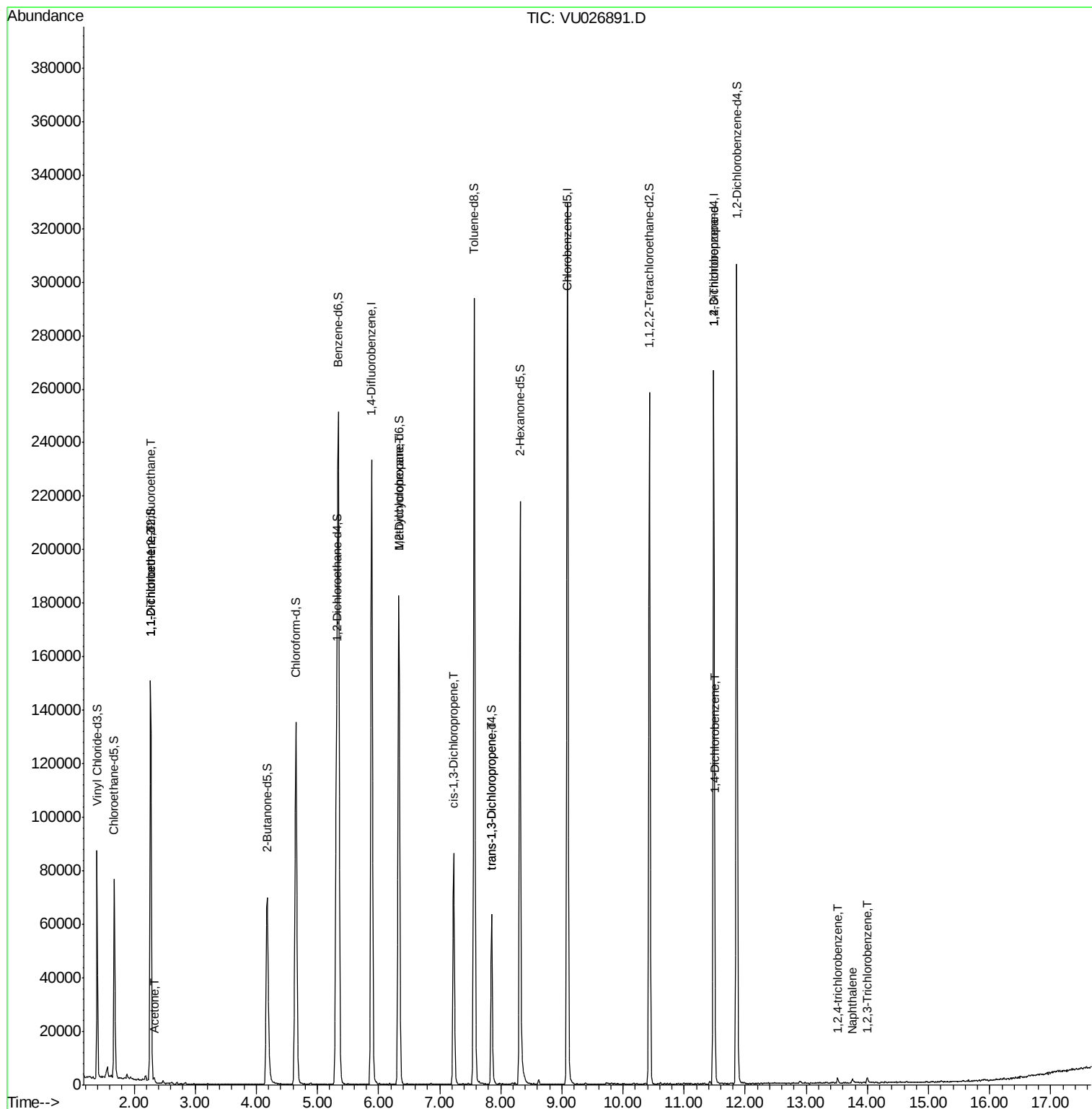
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	789	0.583	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	744	0.586	ug/L #	1
13) Acetone	2.32	43	510	0.540	ug/L	58
35) Methylcyclohexane	6.33	83	21155	9.417	ug/L #	18
39) cis-1,3-Dichloropropene	7.23	75	2003	0.899	ug/L #	43
44) trans-1,3-Dichloropropene	7.85	75	1611	0.772	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	8650	4.578	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	1419	0.583	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	981	0.666	ug/L #	90
69) Naphthalene	13.75	128	1958	0.451	ug/L #	82
70) 1,2,3-Trichlorobenzene	14.00	180	1046	0.645	ug/L #	89

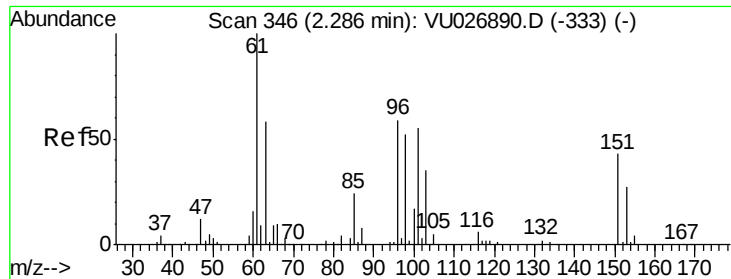
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.583 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026891.D

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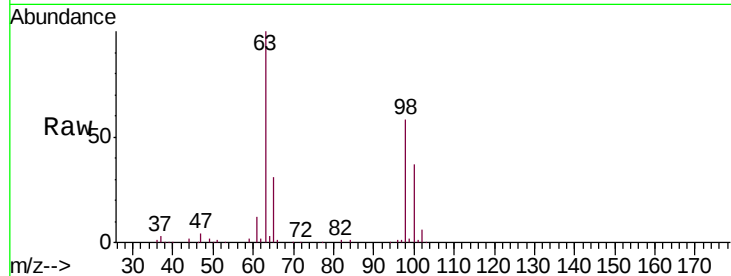
Tgt Ion: 101 Resp: 789

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

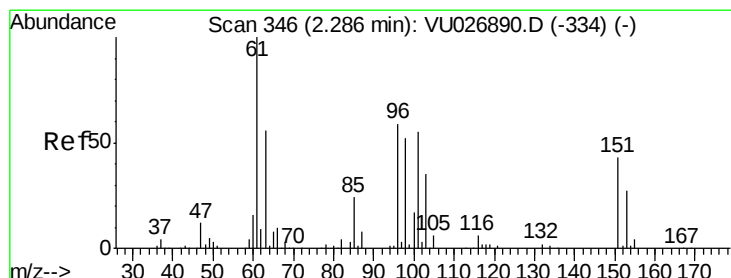
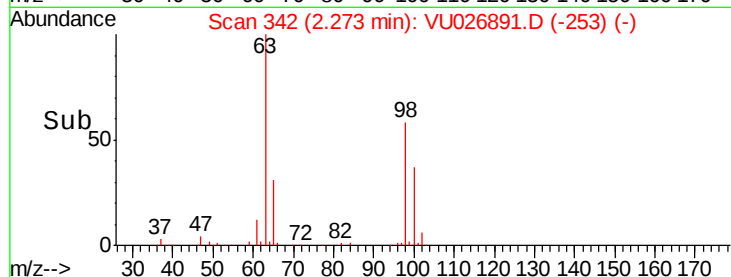
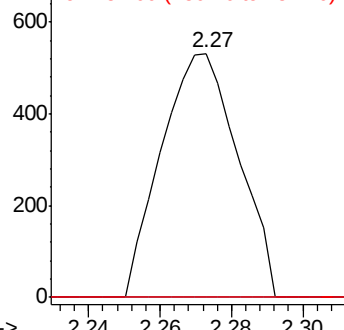
151 0.0 63.0 94.4#



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: 0.586 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU026891.D

Acq: 19 Sep 2018 11:10

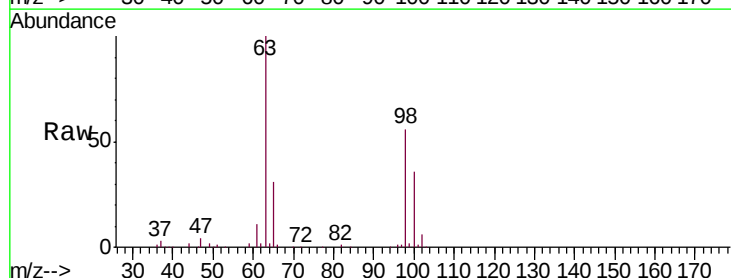
Tgt Ion: 96 Resp: 744

Ion Ratio Lower Upper

96 100

61 1369.9 124.0 230.4#

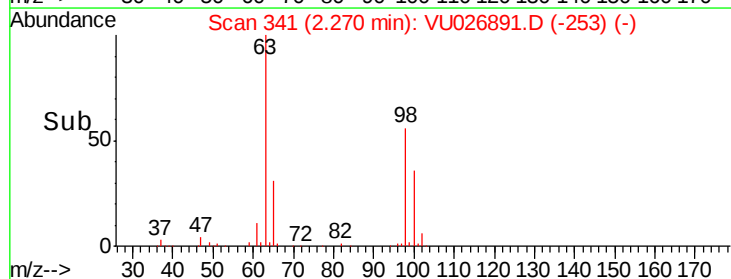
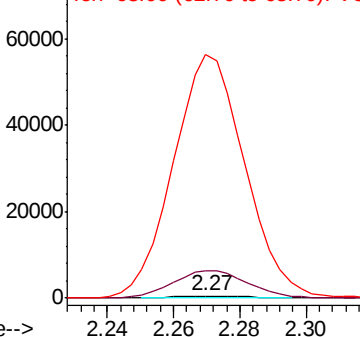
63 11942.4 97.7 181.5#

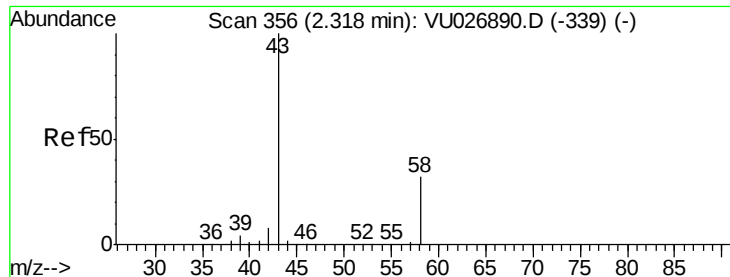


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.540 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026891.D

Acq: 19 Sep 2018 11:10

Instrument :

MSVOA_U

ClientSampleId :

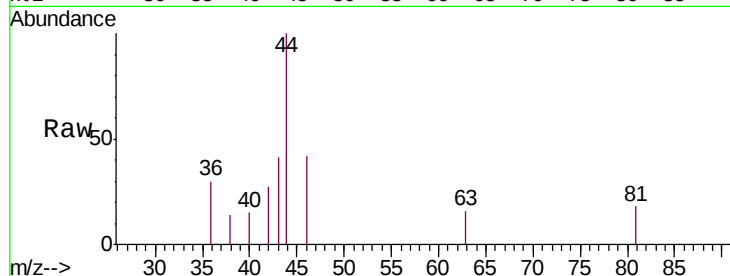
BFB42

Tgt Ion: 43 Resp: 510

Ion Ratio Lower Upper

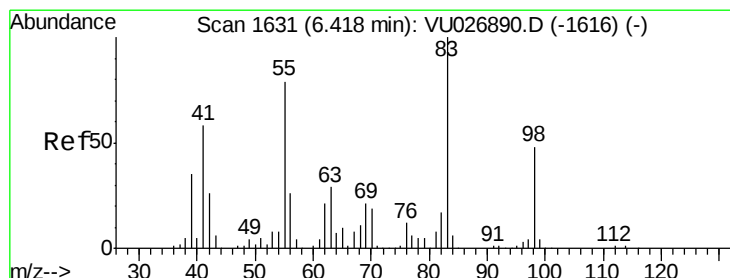
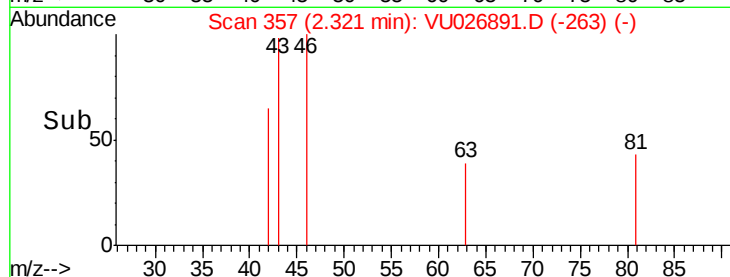
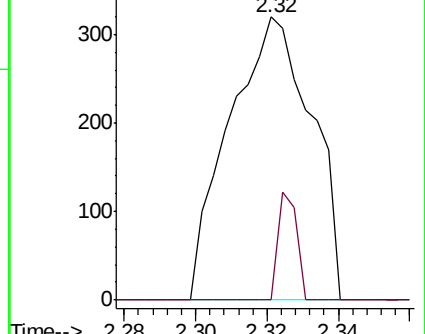
43 100

58 8.6 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#35

Methylcyclohexane

Concen: 9.417 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.09 min

Lab File: VU026891.D

Acq: 19 Sep 2018 11:10

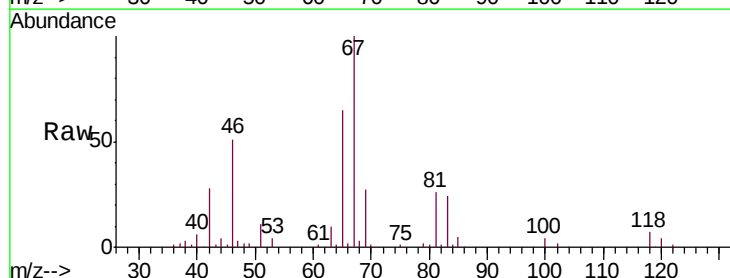
Tgt Ion: 83 Resp: 21155

Ion Ratio Lower Upper

83 100

55 0.0 61.7 92.5#

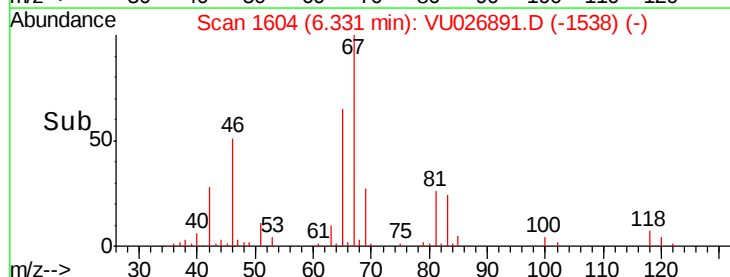
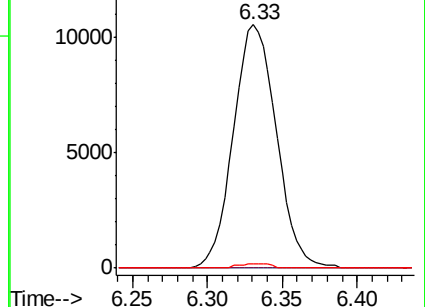
98 0.8 38.3 57.5#

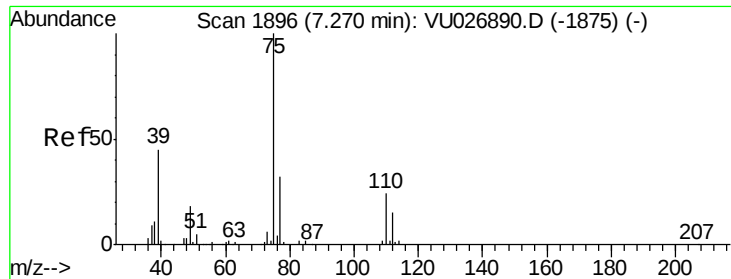


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



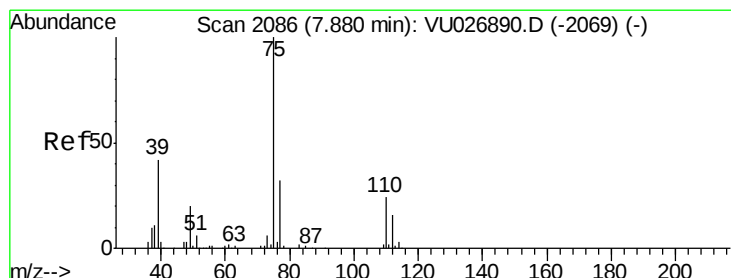
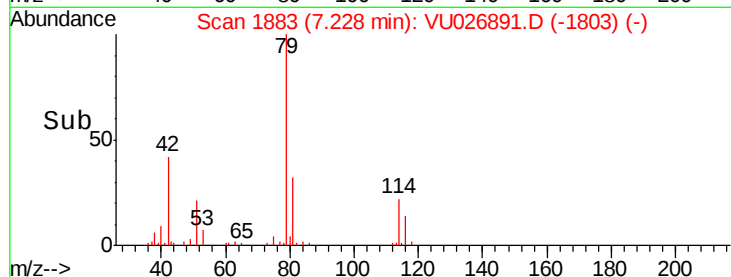
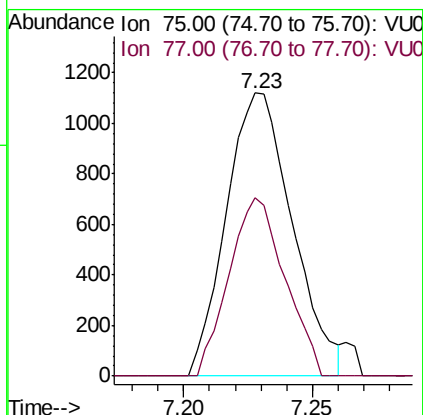
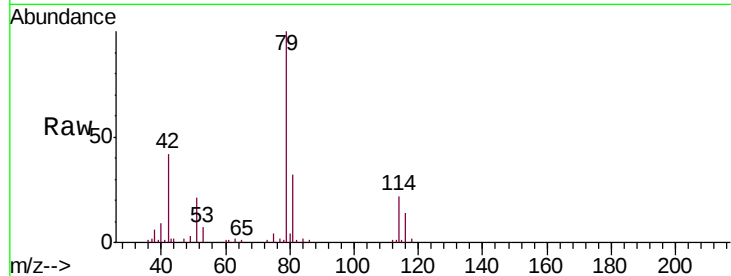


#39

cis-1,3-Dichloropropene
Concen: 0.899 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU026891.D
Acq: 19 Sep 2018 11:10

Instrument :
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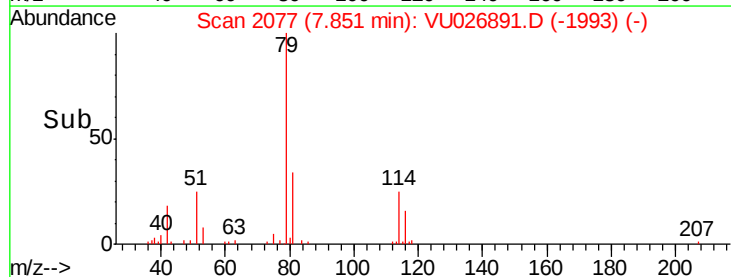
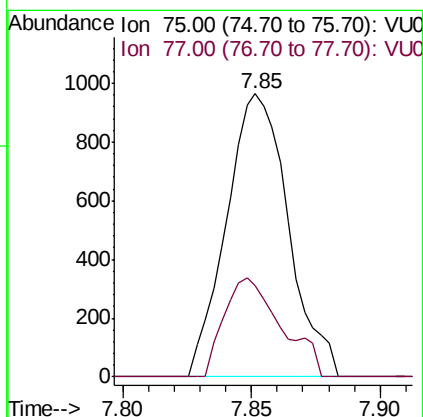
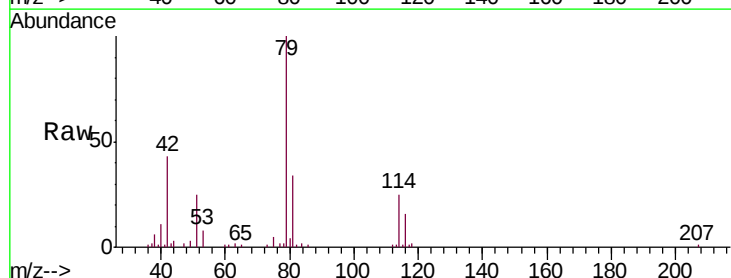
Tgt Ion: 75 Resp: 2003
Ion Ratio Lower Upper
75 100
77 63.2 22.1 41.1#

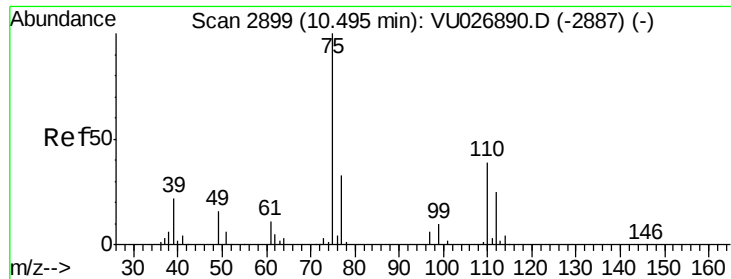


#44

trans-1,3-Dichloropropene
Concen: 0.772 ug/L
RT: 7.85 min Scan# 2077
Delta R.T. -0.03 min
Lab File: VU026891.D
Acq: 19 Sep 2018 11:10

Tgt Ion: 75 Resp: 1611
Ion Ratio Lower Upper
75 100
77 32.2 22.8 42.4

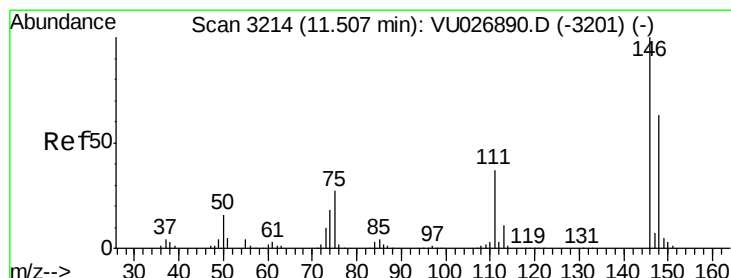
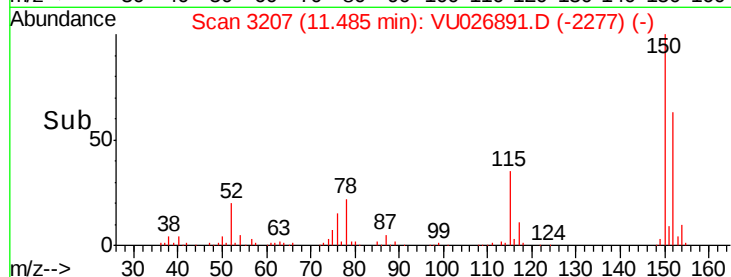
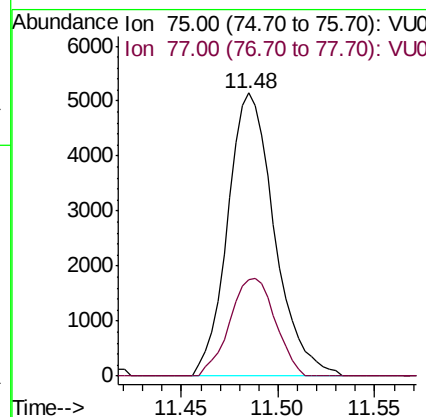
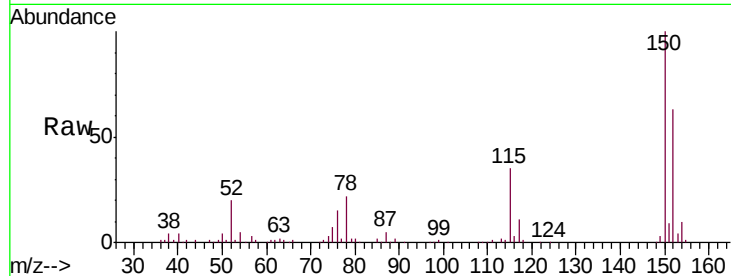




#59
 1,2,3-Trichloropropane
 Concen: 4.578 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU026891.D
 Acq: 19 Sep 2018 11:10

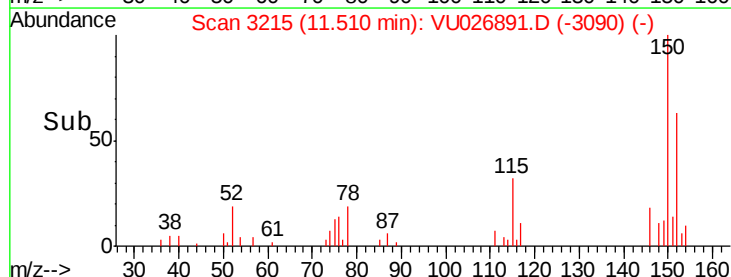
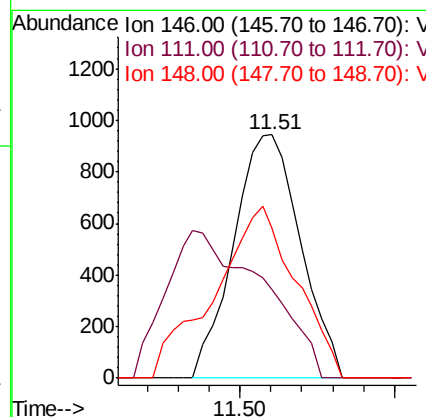
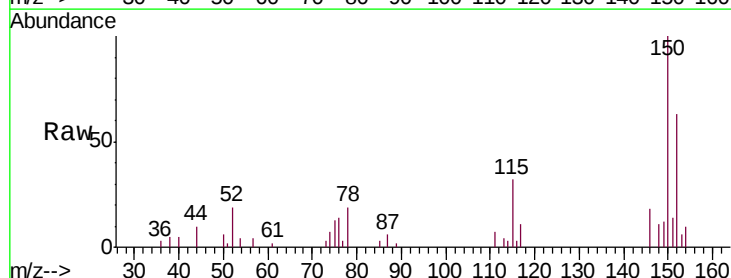
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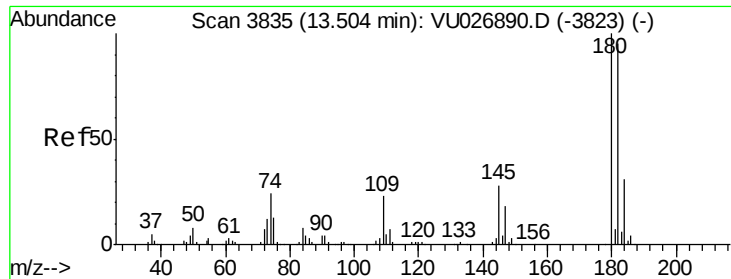
Tgt Ion: 75 Resp: 8650
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.5 38.3



#63
 1,4-Dichlorobenzene
 Concen: 0.583 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026891.D
 Acq: 19 Sep 2018 11:10

Tgt Ion: 146 Resp: 1419
 Ion Ratio Lower Upper
 146 100
 111 36.5 26.0 48.2
 148 61.5 45.8 85.2

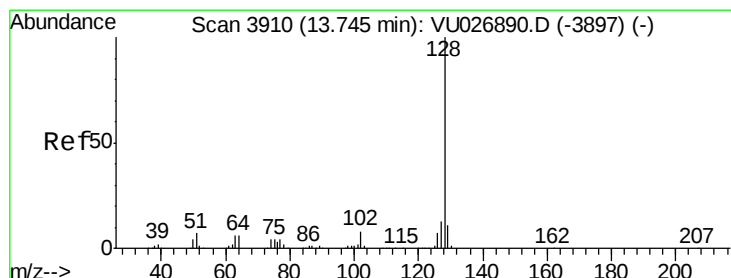
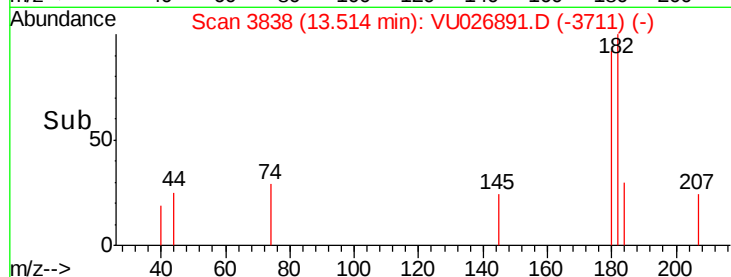
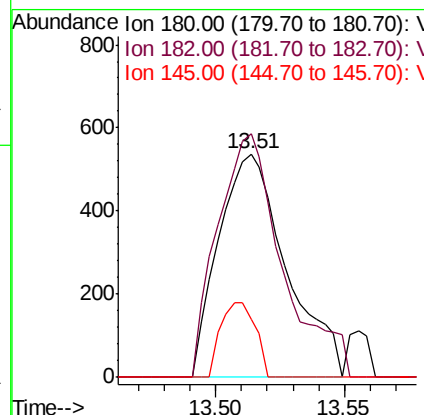
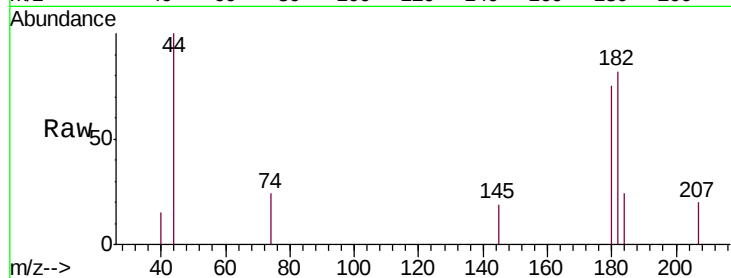




#68
 1,2,4-trichlorobenzene
 Concen: 0.666 ug/L
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU026891.D
 Acq: 19 Sep 2018 11:10

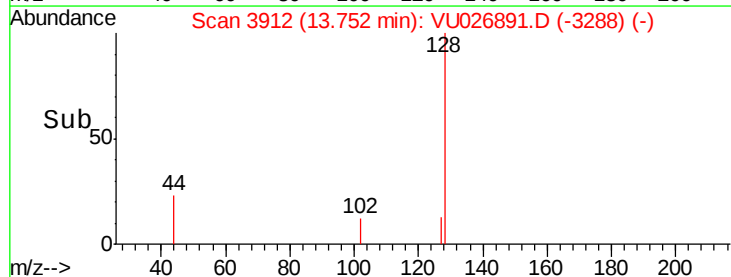
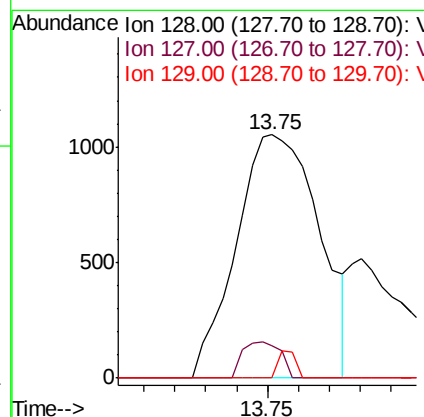
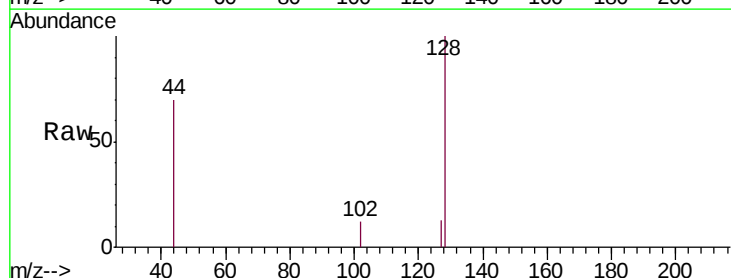
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB42

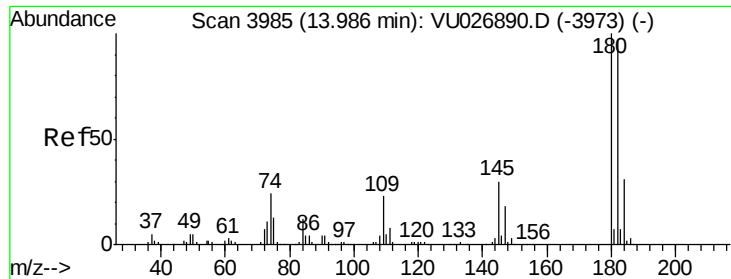
Tgt Ion:180 Resp: 981
 Ion Ratio Lower Upper
 180 100
 182 102.7 76.8 115.2
 145 17.0 22.2 33.2#



#69
 Naphthalene
 Concen: 0.451 ug/L
 RT: 13.75 min Scan# 3912
 Delta R.T. 0.01 min
 Lab File: VU026891.D
 Acq: 19 Sep 2018 11:10

Tgt Ion:128 Resp: 1958
 Ion Ratio Lower Upper
 128 100
 127 6.8 10.2 15.4#
 129 2.2 8.6 12.8#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.645 ug/L
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU026891.D
 Acq: 19 Sep 2018 11:10

Instrument :
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Tgt Ion:180 Resp: 1046
 Ion Ratio Lower Upper
 180 100
 182 101.6 75.6 113.4
 145 16.6 23.8 35.6#

