

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120718\
 Data File : VU028535.D
 Acq On : 07 Dec 2018 16:33
 Operator : MD/SY
 Sample : J6236-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F41

Quant Time: Dec 07 22:58:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM120718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 22:52:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	132339	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	124831	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	56967	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59776	50.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.54%
7) Chloroethane-d5	1.68	69	46048	50.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.12%
11) 1,1-Dichloroethene-d2	2.27	63	81190	38.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.00%
21) 2-Butanone-d5	4.18	46	106570	110.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.16%
24) Chloroform-d	4.65	84	95934	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.58%
26) 1,2-Dichloroethane-d4	5.31	65	66718	51.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.04%
32) Benzene-d6	5.34	84	202738	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.74%
36) 1,2-Dichloropropane-d6	6.33	67	74760	53.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.08%
41) Toluene-d8	7.57	98	176281	50.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.48%
43) trans-1,3-Dichloropropene-	7.85	79	33340	52.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.44%
47) 2-Hexanone-d5	8.31	63	73453	109.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.29%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	92891	52.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	61034	53.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.24%

Target Compounds

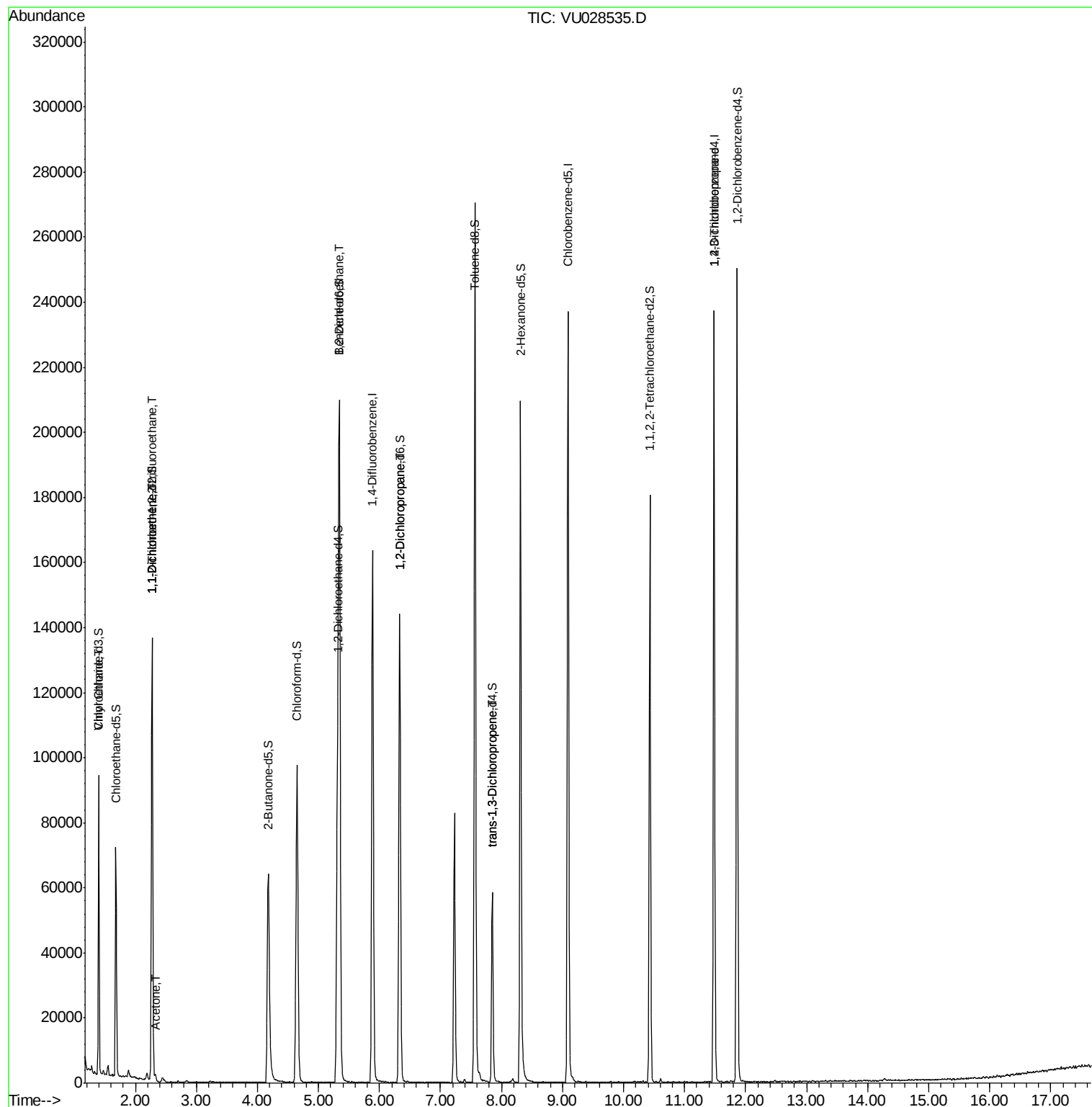
					Qvalue
8) Chloroethane	1.40	64	931	1.151 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	530	0.614 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	522	0.631 ug/L #	1
13) Acetone	2.33	43	1138	1.130 ug/L	70
27) 1,2-Dichloroethane	5.34	62	1010	0.656 ug/L #	76
37) 1,2-Dichloropropane	6.33	63	7332	5.817 ug/L #	91
44) trans-1,3-Dichloropropene	7.85	75	1251	0.762 ug/L	90
59) 1,2,3-Trichloropropane	11.48	75	8443	5.890 ug/L	95

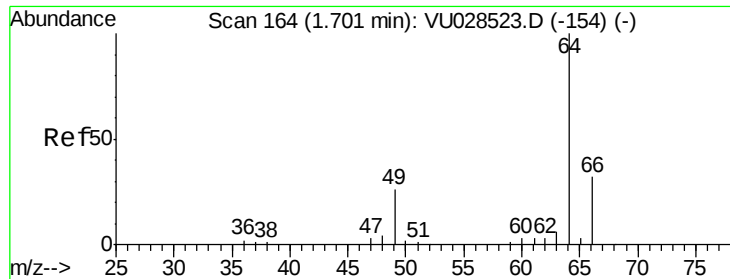
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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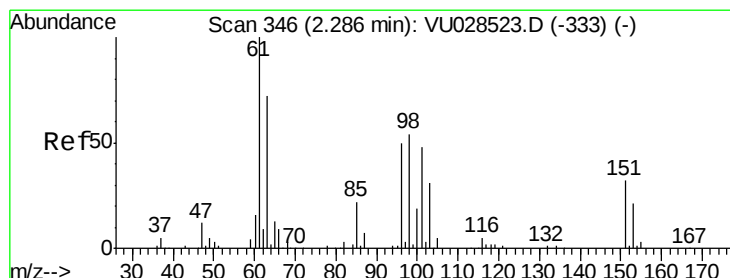
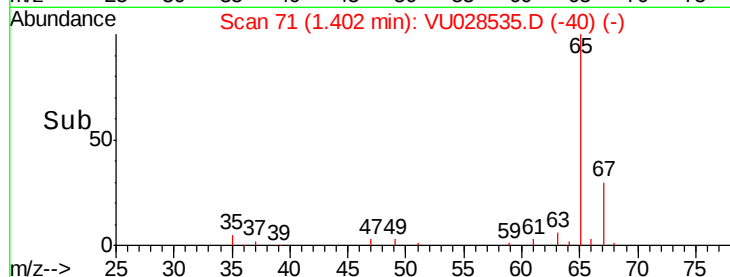
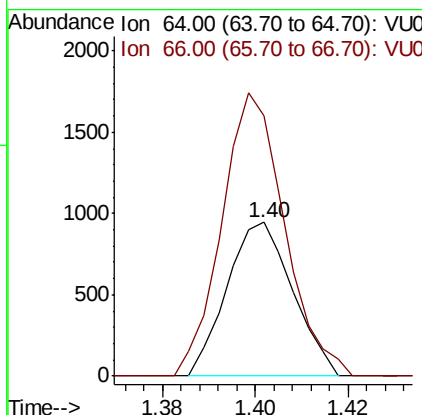
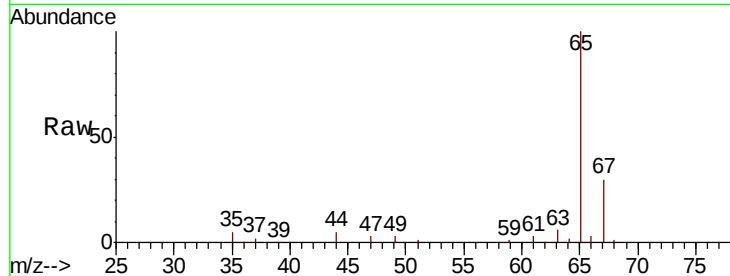




#8
 Chloroethane
 Concen: 1.151 ug/L
 RT: 1.40 min Scan# 71
 Delta R.T. -0.30 min
 Lab File: VU028535.D
 Acq: 07 Dec 2018 16:33

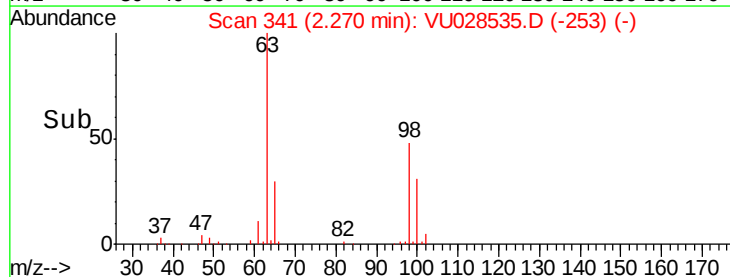
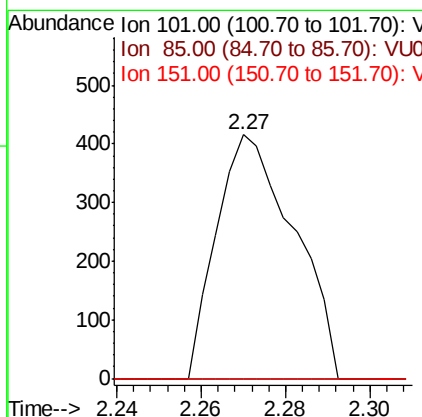
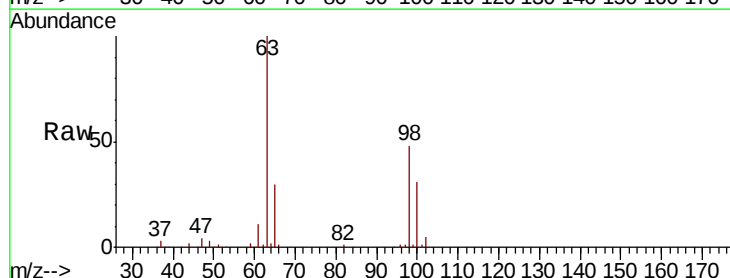
Instrument :
 MSVOA_U
 ClientSampleId :
 F9F41

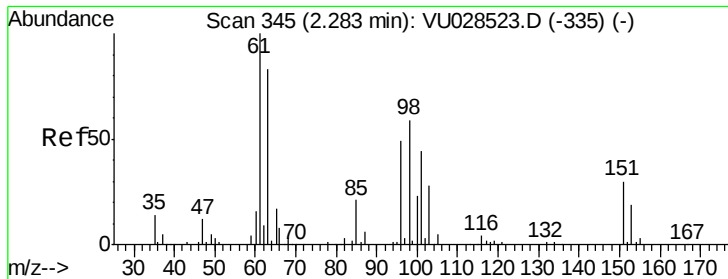
Tgt Ion: 64 Resp: 931
 Ion Ratio Lower Upper
 64 100
 66 169.7 22.4 41.6#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.614 ug/L
 RT: 2.27 min Scan# 341
 Delta R.T. -0.02 min
 Lab File: VU028535.D
 Acq: 07 Dec 2018 16:33

Tgt Ion: 101 Resp: 530
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.8 55.2#
 151 0.0 55.8 83.8#





#12

1,1-Dichloroethene

Concen: 0.631 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU028535.D

Acq: 07 Dec 2018 16:33

Instrument :

MSVOA_U

ClientSampled :

F9F41

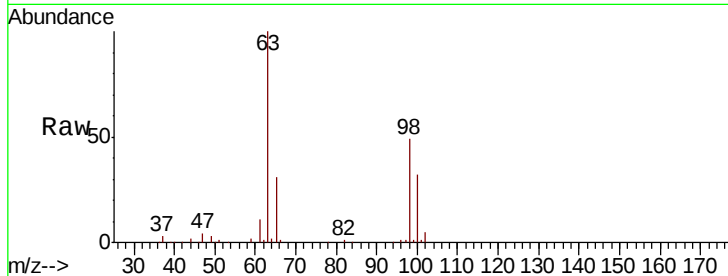
Tgt Ion: 96 Resp: 522

Ion Ratio Lower Upper

96 100

61 1575.8 143.2 266.0#

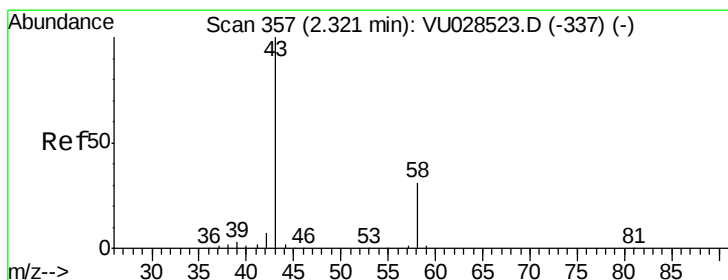
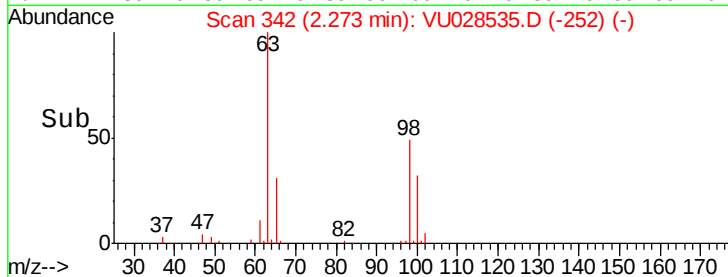
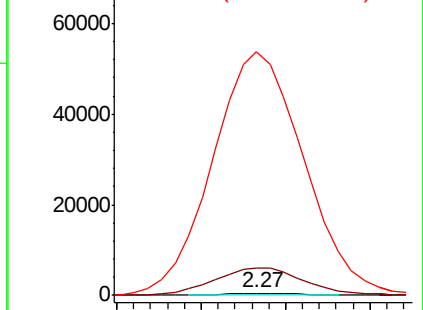
63 13815.9 130.1 241.7#



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



#13

Acetone

Concen: 1.130 ug/L

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU028535.D

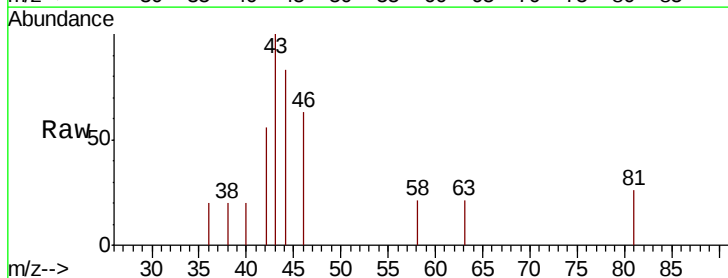
Acq: 07 Dec 2018 16:33

Tgt Ion: 43 Resp: 1138

Ion Ratio Lower Upper

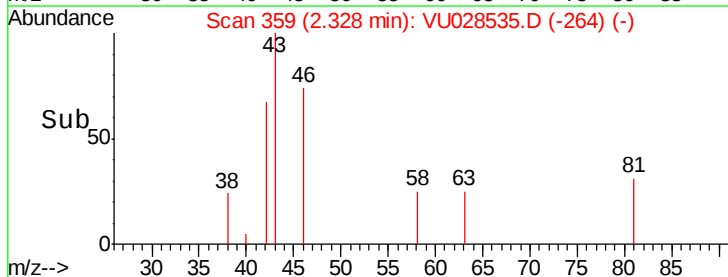
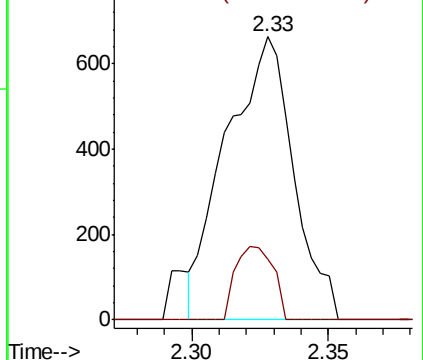
43 100

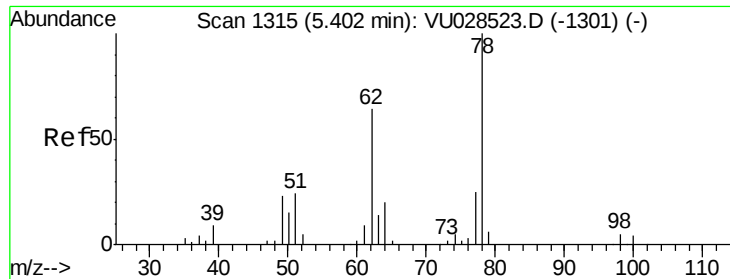
58 14.5 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

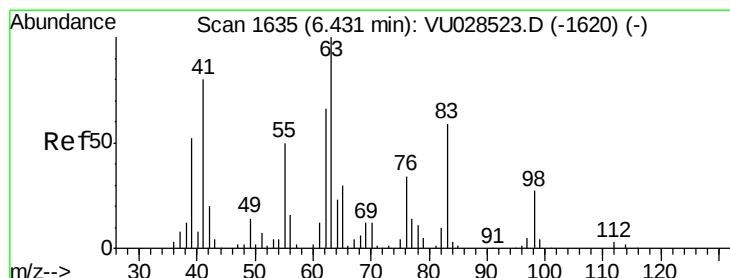
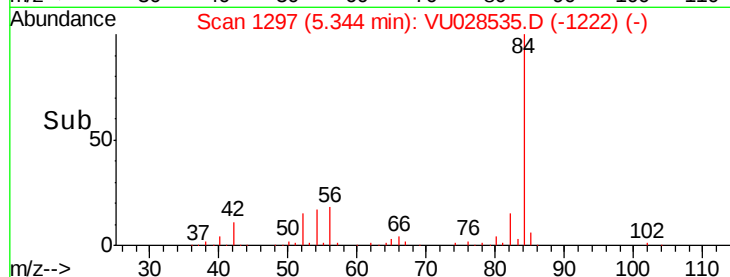
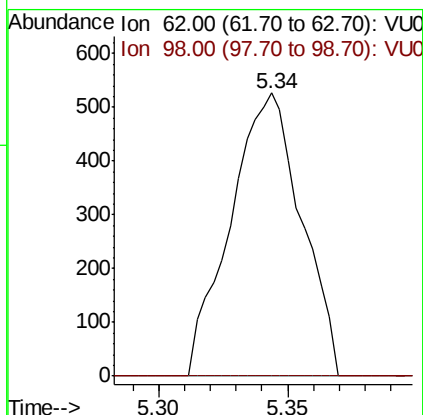
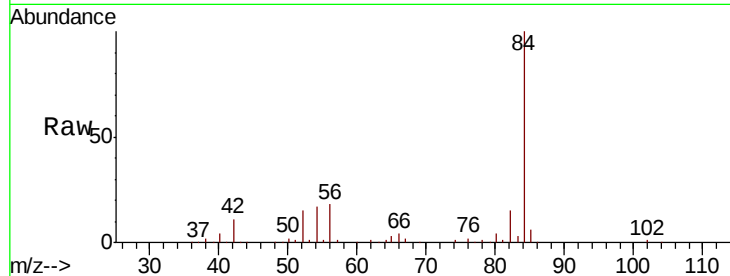




#27
 1,2-Dichloroethane
 Concen: 0.656 ug/L
 RT: 5.34 min Scan# 1297
 Delta R.T. -0.06 min
 Lab File: VU028535.D
 Acq: 07 Dec 2018 16:33

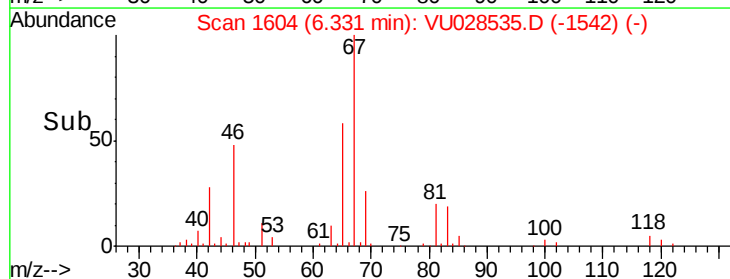
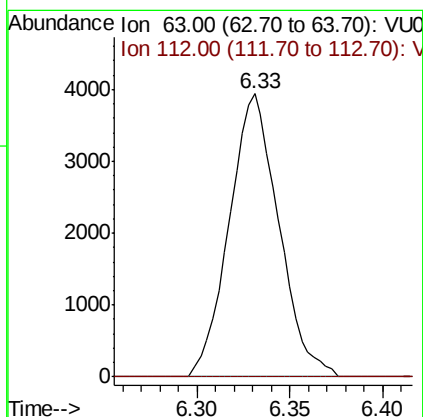
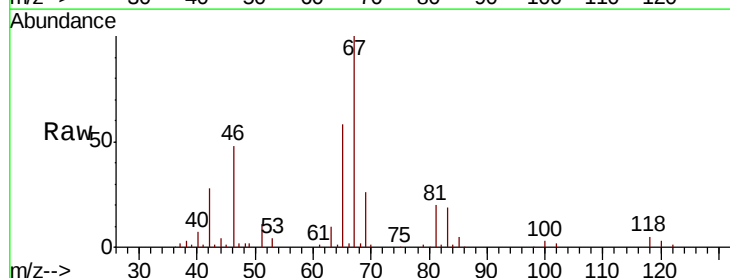
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 MSVOA_U
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 F9F41

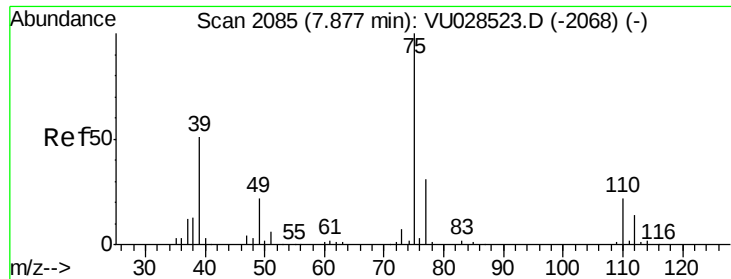
Tgt Ion: 62 Resp: 1010
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#37
 1,2-Dichloropropane
 Concen: 5.817 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU028535.D
 Acq: 07 Dec 2018 16:33

Tgt Ion: 63 Resp: 7332
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.4 3.6#





#44

trans-1,3-Dichloropropene

Concen: 0.762 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028535.D

Acq: 07 Dec 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

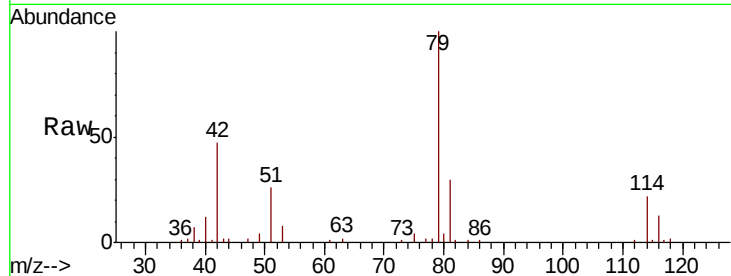
F9F41

Tgt Ion: 75 Resp: 1251

Ion Ratio Lower Upper

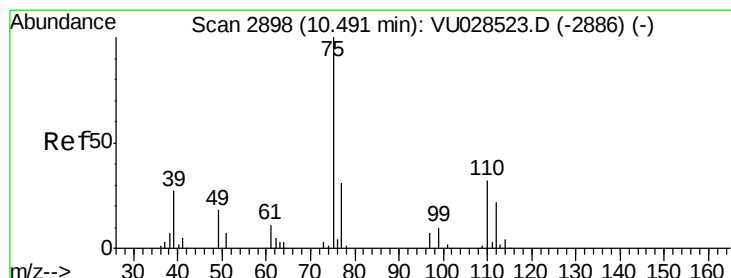
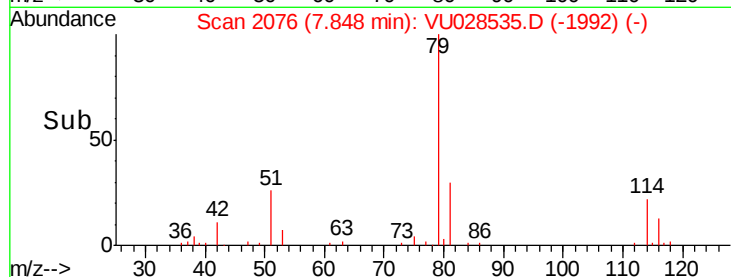
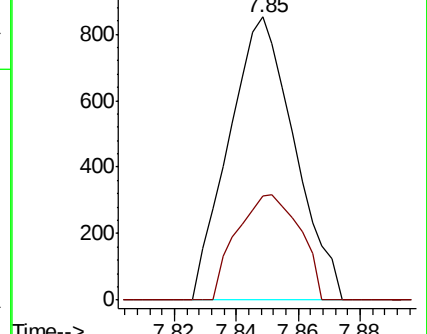
75 100

77 37.0 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.890 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028535.D

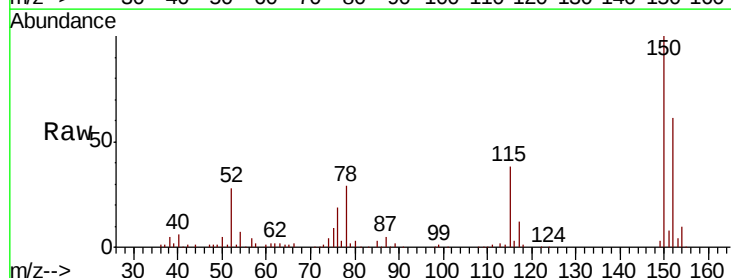
Acq: 07 Dec 2018 16:33

Tgt Ion: 75 Resp: 8443

Ion Ratio Lower Upper

75 100

77 34.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

