

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112018\
 Data File : VU028276.D
 Acq On : 20 Nov 2018 14:24
 Operator : MD/SY
 Sample : J5995-09RE
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FL3RE

Quant Time: Nov 21 07:04:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 06:33:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	132251	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	128690	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	55750	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	39572	3.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.60%
7) Chloroethane-d5	1.68	69	37846	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.28	63	58879	2.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.40%#
20) 2-Butanone-d5	4.21	46	173185	52.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.00%
24) Chloroform-d	4.65	84	80261	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
26) 1,2-Dichloroethane-d4	5.31	65	45349	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	5.34	84	153603	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.33	67	59514	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.57	98	125540	3.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.80%
43) trans-1,3-Dichloropropene-	7.85	79	16184	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	8.32	63	120183	46.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	46942	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	47759	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

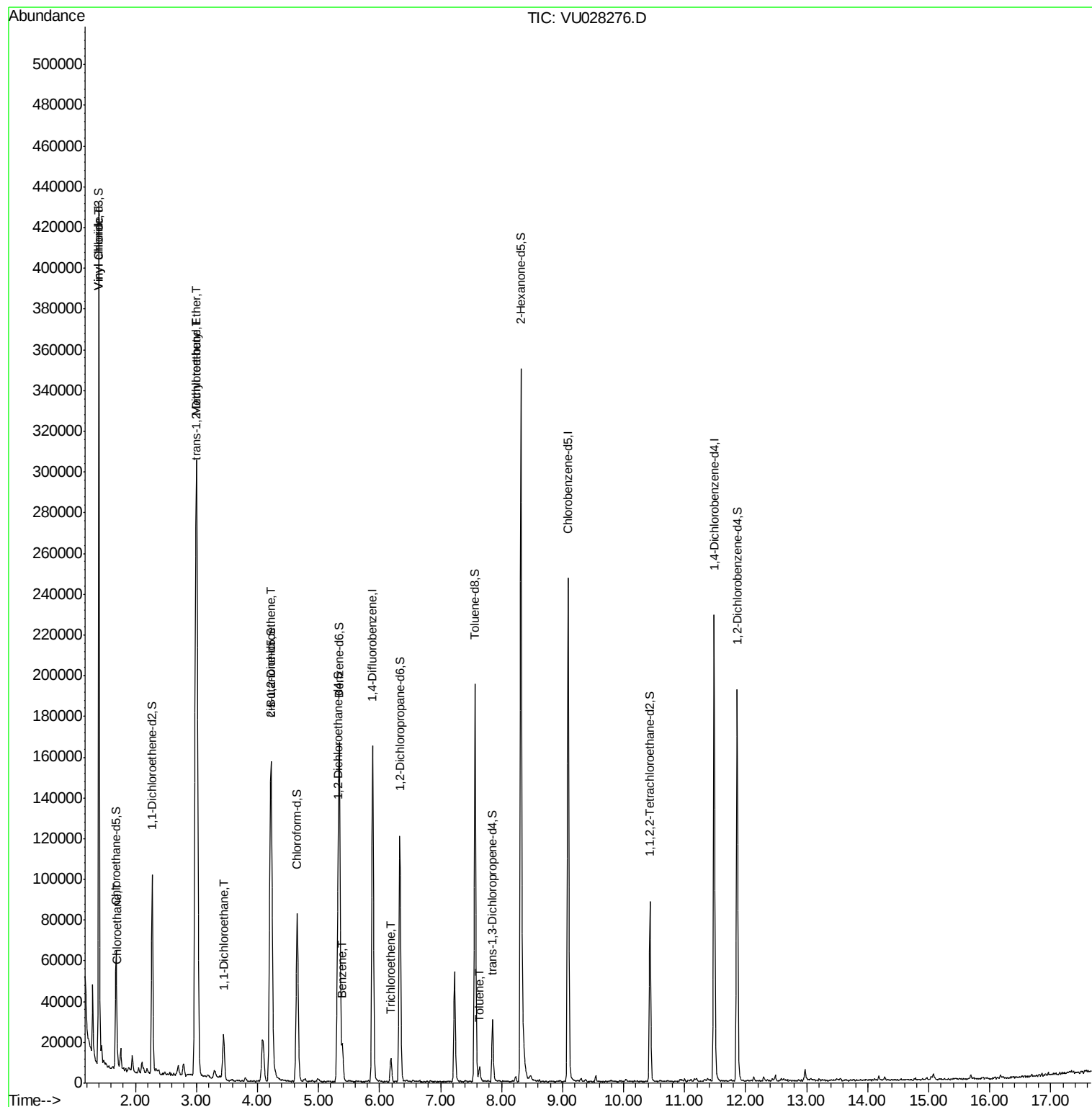
						Qvalue
5) Vinyl chloride	1.40	62	226425	16.87	ug/L	99
8) Chloroethane	1.70	64	3732	0.47	ug/L	95
17) Methyl tert-butyl Ether	3.01	73	269703	11.03	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	60684	7.00	ug/L	96
19) 1,1-Dichloroethane	3.45	63	22556	1.12	ug/L	92
22) cis-1,2-Dichloroethene	4.23	96	46235	4.51	ug/L	97
33) Benzene	5.39	78	15163	0.36	ug/L	100
34) Trichloroethene	6.19	95	3830	0.37	ug/L	91
42) Toluene	7.64	91	5036	0.12	ug/L	97

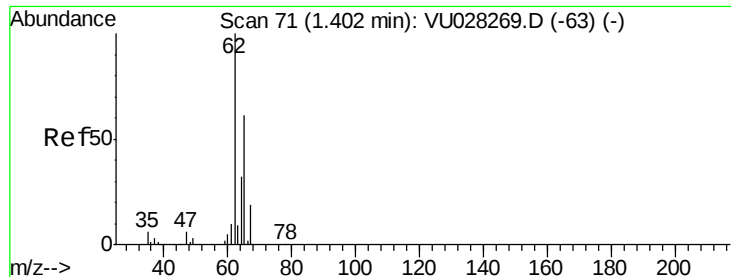
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 16.87 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028276.D

Acq: 20 Nov 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

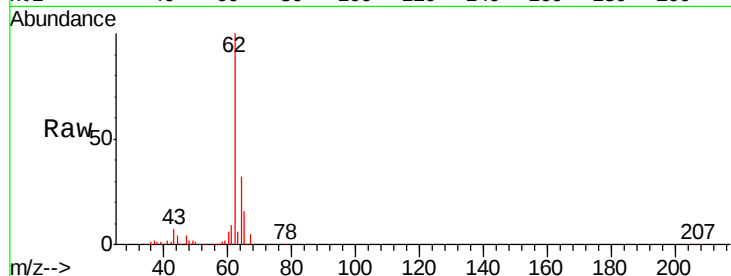
H0FL3RE

Tgt Ion: 62 Resp: 226425

Ion Ratio Lower Upper

62 100

64 31.7 21.7 40.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

200000

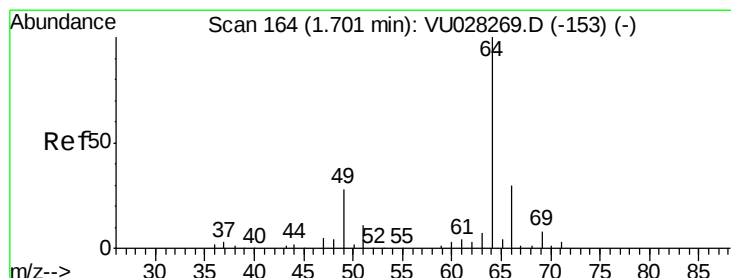
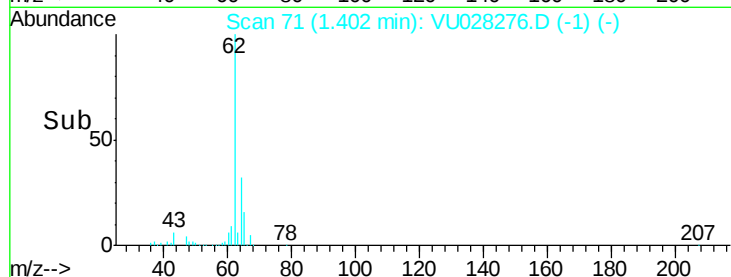
150000

100000

50000

0

Time-->



#8

Chloroethane

Concen: 0.47 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU028276.D

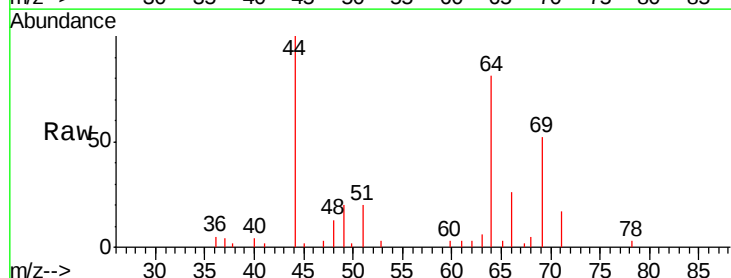
Acq: 20 Nov 2018 14:24

Tgt Ion: 64 Resp: 3732

Ion Ratio Lower Upper

64 100

66 32.5 20.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.70

4000

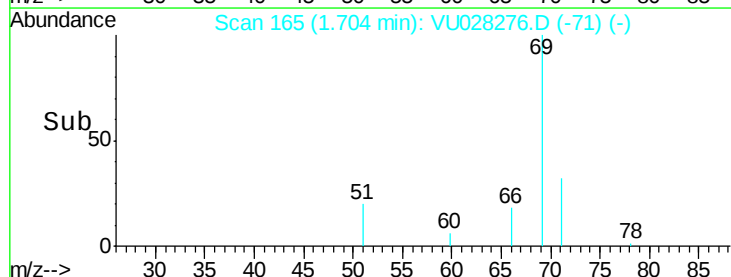
3000

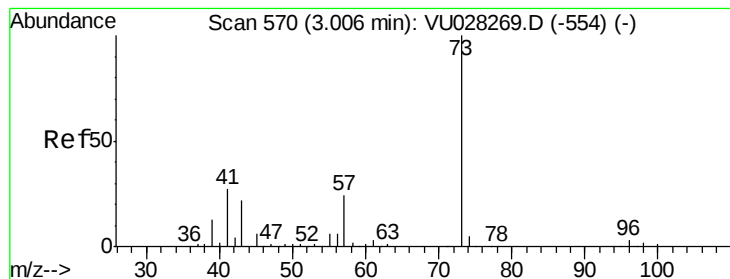
2000

1000

0

Time-->





#17

Methyl tert-butyl Ether

Concen: 11.03 ug/L

RT: 3.01 min Scan# 571

Delta R.T. 0.00 min

Lab File: VU028276.D

Acq: 20 Nov 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

H0FL3RE

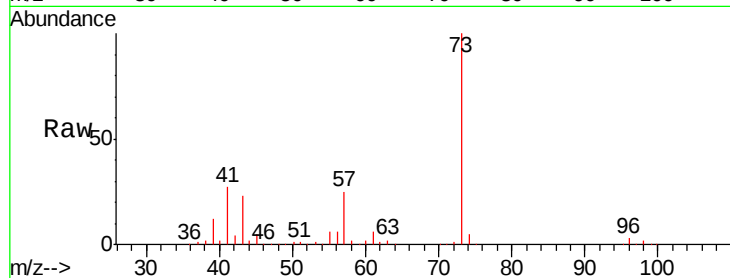
Tgt Ion: 73 Resp: 269703

Ion Ratio Lower Upper

73 100

43 22.2 18.8 28.2

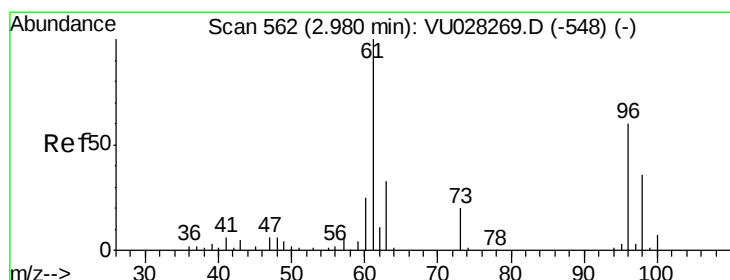
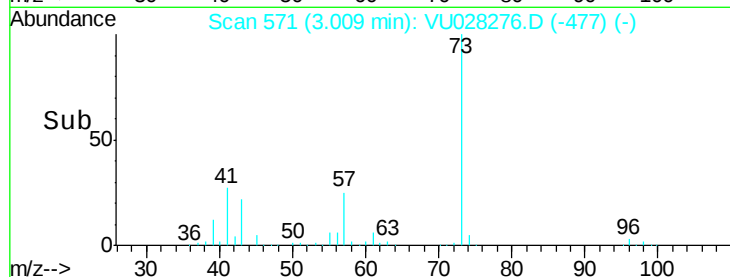
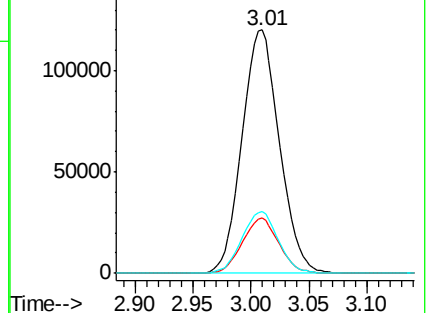
57 24.9 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 7.00 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028276.D

Acq: 20 Nov 2018 14:24

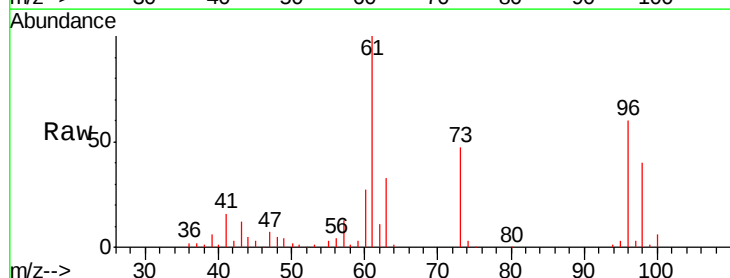
Tgt Ion: 96 Resp: 60684

Ion Ratio Lower Upper

96 100

61 167.6 122.2 227.0

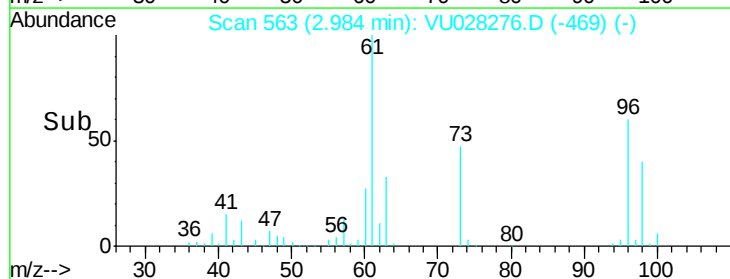
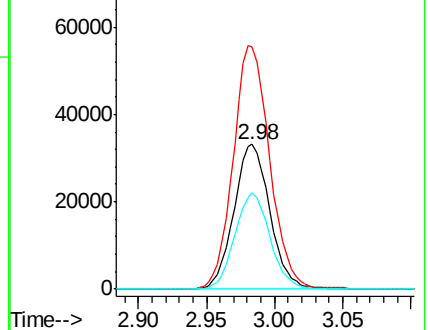
98 66.4 44.9 83.5

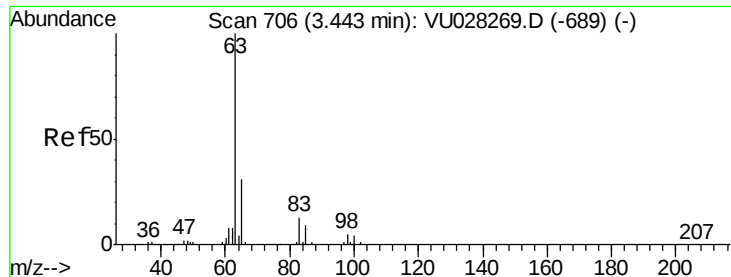


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

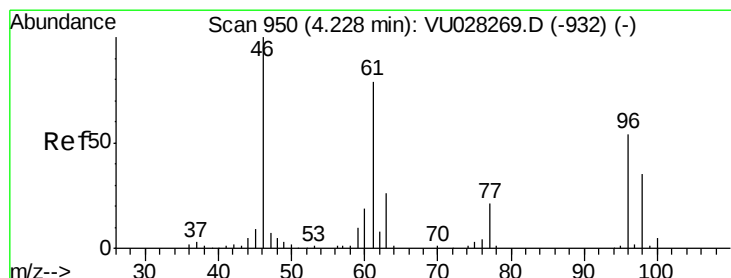
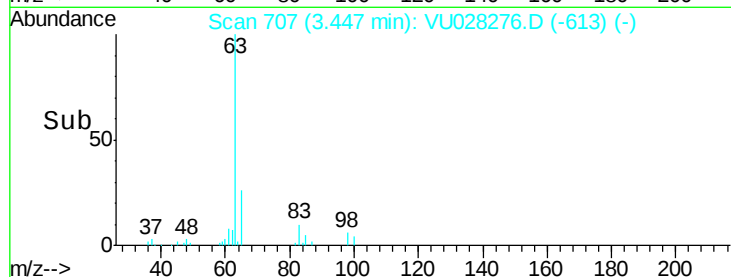
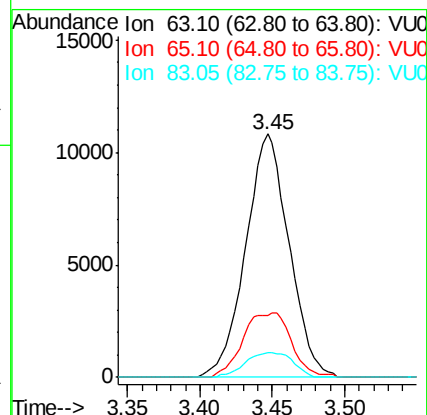
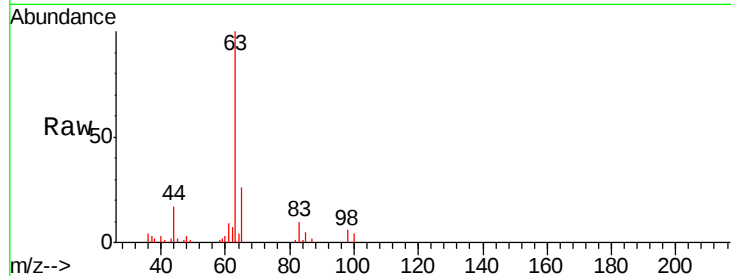




#19
 1,1-Dichloroethane
 Concen: 1.12 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU028276.D
 Acq: 20 Nov 2018 14:24

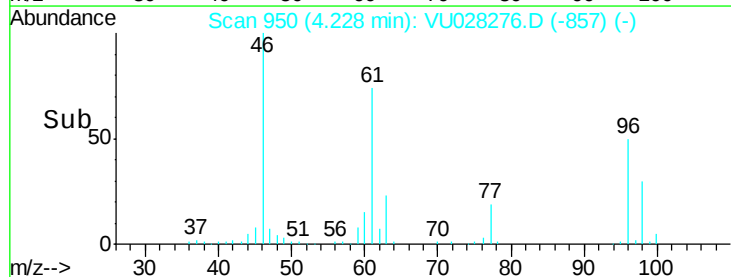
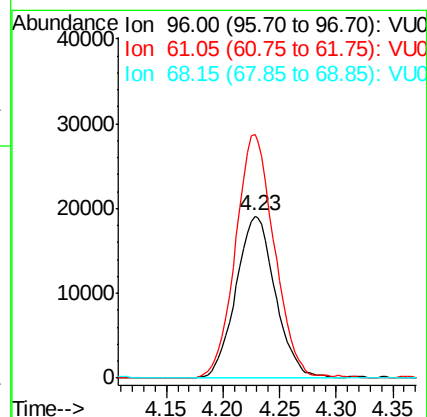
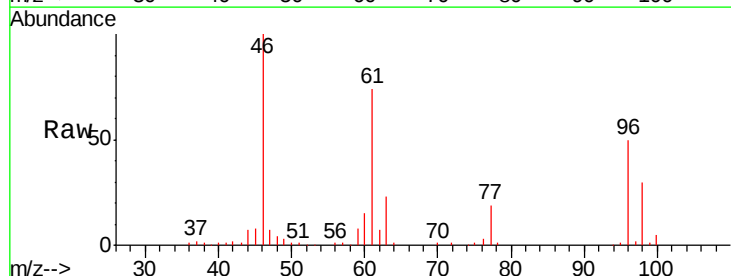
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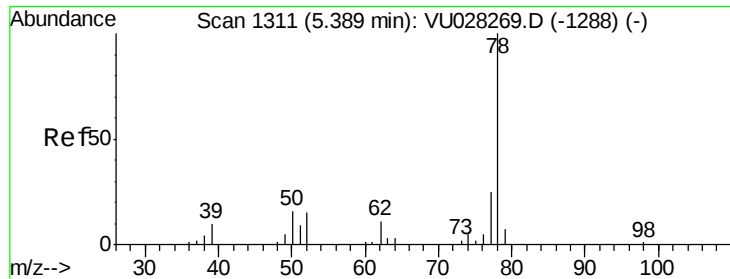
Tgt Ion: 63 Resp: 22556
 Ion Ratio Lower Upper
 63 100
 65 25.5 21.2 39.4
 83 10.3 8.8 16.4



#22
 cis-1,2-Dichloroethene
 Concen: 4.51 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028276.D
 Acq: 20 Nov 2018 14:24

Tgt Ion: 96 Resp: 46235
 Ion Ratio Lower Upper
 96 100
 61 150.5 108.0 200.6
 68 0.0 0.0 0.0





#33

Benzene

Concen: 0.36 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU028276.D

Acq: 20 Nov 2018 14:24

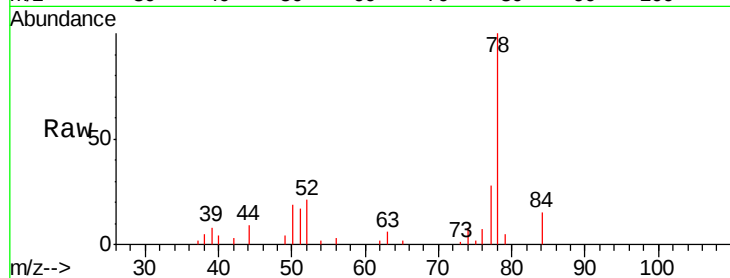
Instrument :

MSVOA_U

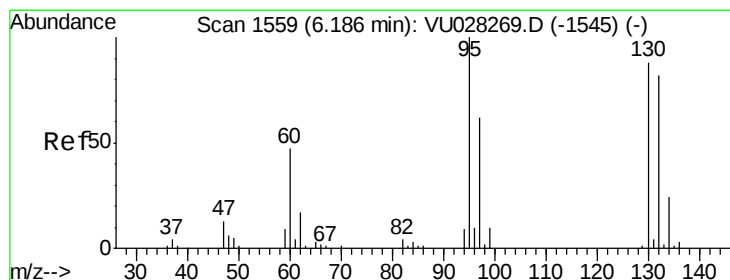
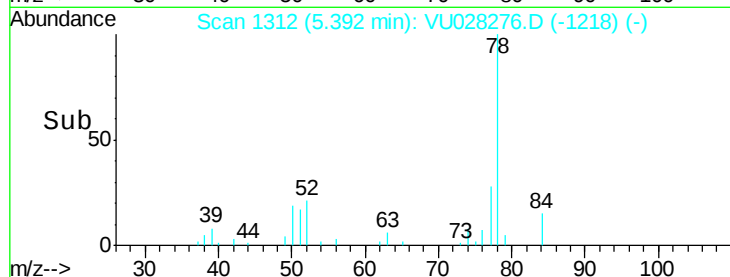
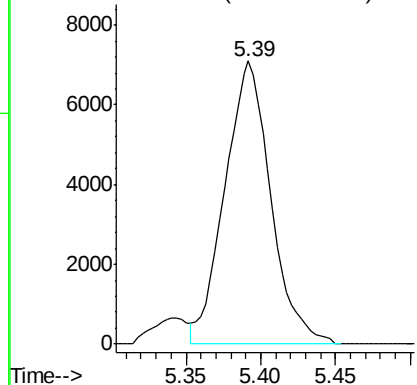
ClientSampleId :

H0FL3RE

Tgt Ion: 78 Resp: 15163



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.37 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028276.D

Acq: 20 Nov 2018 14:24

Tgt Ion: 95 Resp: 3830

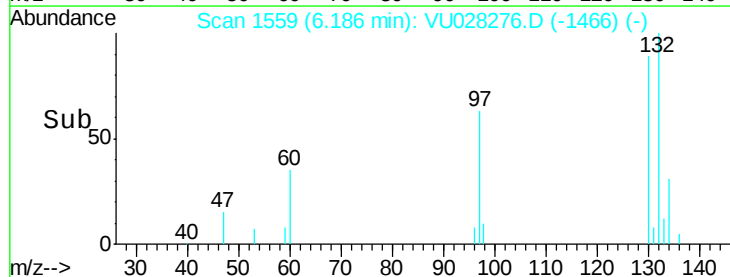
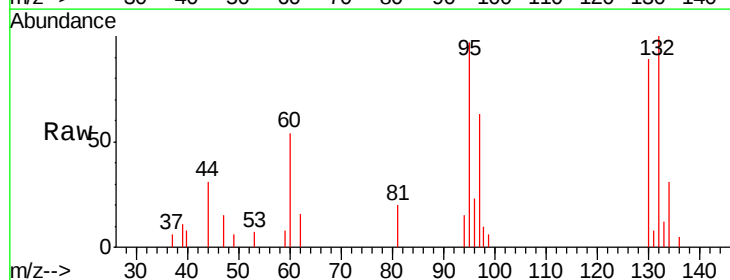
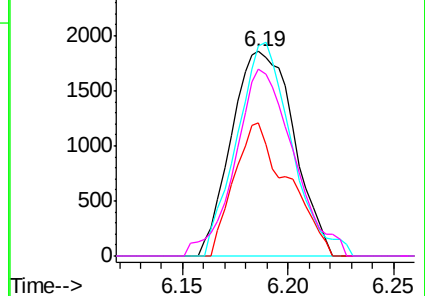
Ion	Ratio	Lower	Upper
95	100		
97	65.0	46.5	86.3
132	102.6	58.9	109.3
130	91.4	61.3	113.9

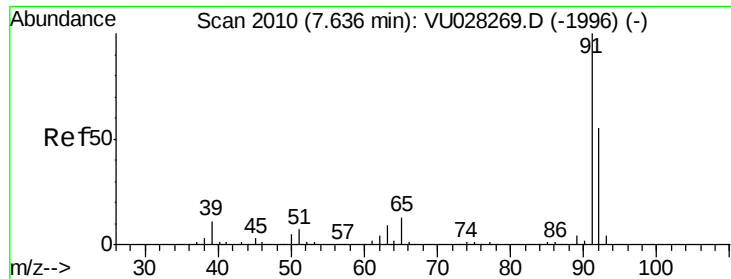
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 0.12 ug/L

RT: 7.64 min Scan# 2012

Delta R.T. 0.01 min

Lab File: VU028276.D

Acq: 20 Nov 2018 14:24

Instrument :

MSVOA_U

ClientSampleId :

H0FL3RE

Tgt Ion: 91 Resp: 5036

Ion Ratio Lower Upper

91 100

92 57.9 39.0 72.4

