

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112018\
 Data File : VU028271.D
 Acq On : 20 Nov 2018 12:25
 Operator : MD/SY
 Sample : J5995-19
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ4

Quant Time: Nov 21 06:41:13 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	134486	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	128643	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	55323	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	37676	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.68	69	34335	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	2.28	63	55261	2.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.80%#
20) 2-Butanone-d5	4.20	46	153389	45.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.58%
24) Chloroform-d	4.65	84	75067	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
26) 1,2-Dichloroethane-d4	5.31	65	43805	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
32) Benzene-d6	5.34	84	145949	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
36) 1,2-Dichloropropane-d6	6.33	67	56766	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.40%
41) Toluene-d8	7.57	98	123288	3.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.40%
43) trans-1,3-Dichloropropene-	7.85	79	17090	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.31	63	105223	40.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	40989	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	44372	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

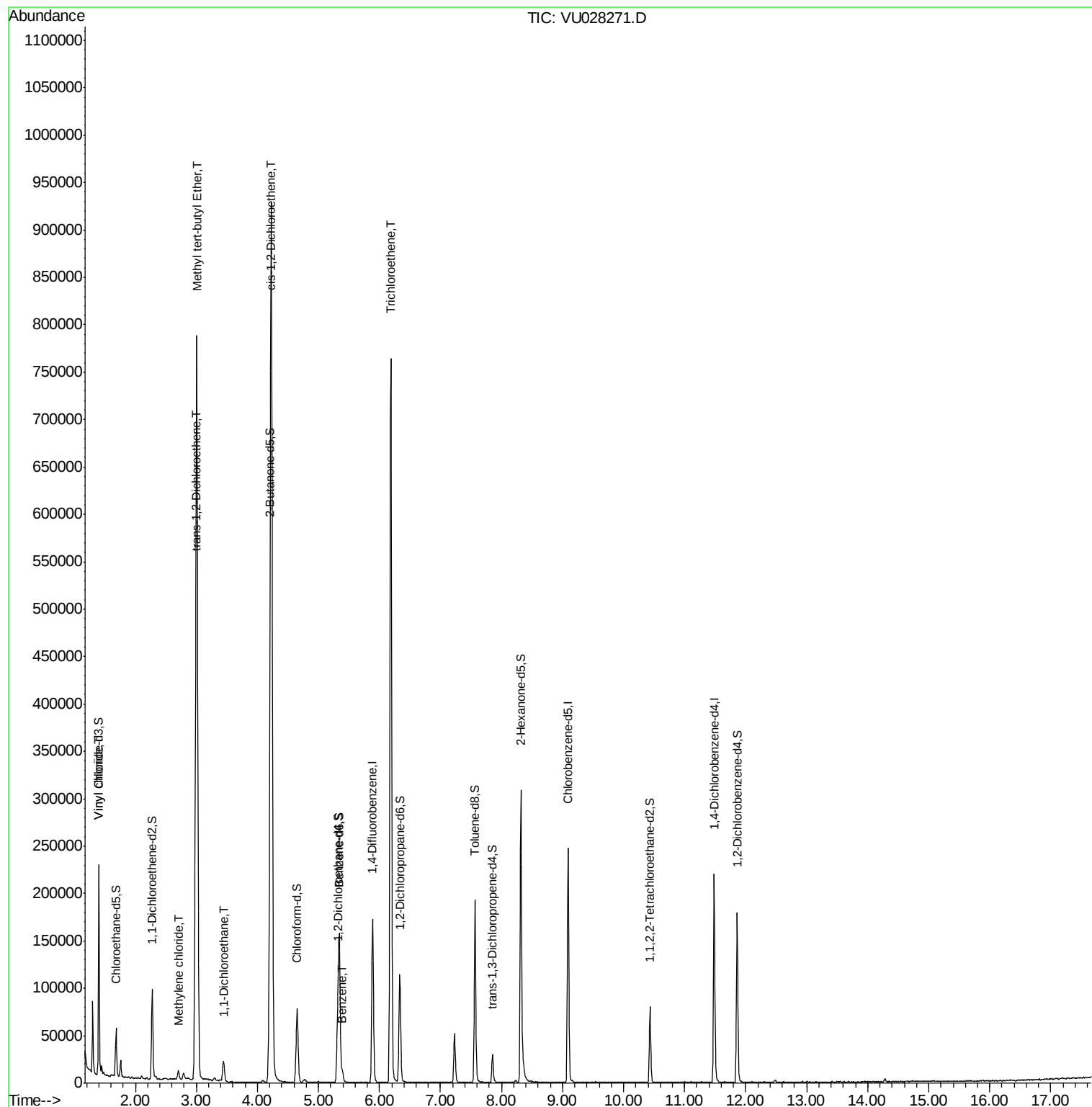
						Qvalue
5) Vinyl chloride	1.41	62	64582	4.73	ug/L	95
16) Methylene chloride	2.71	84	3287	0.32	ug/L	90
17) Methyl tert-butyl Ether	3.01	73	752911	30.27	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	51506	5.84	ug/L	95
19) 1,1-Dichloroethane	3.45	63	24405	1.19	ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	473597	45.43	ug/L	92
33) Benzene	5.39	78	11833	0.28	ug/L	100
34) Trichloroethene	6.19	95	272787	26.25	ug/L	96

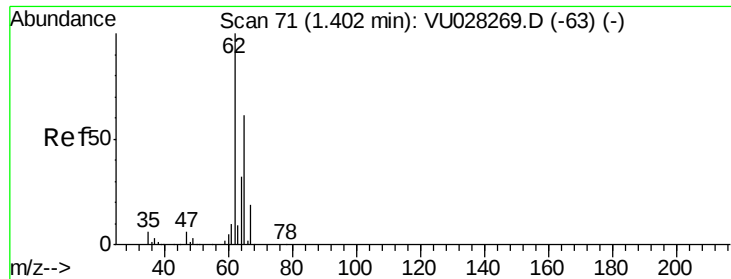
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.73 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028271.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_U

ClientSampleId :

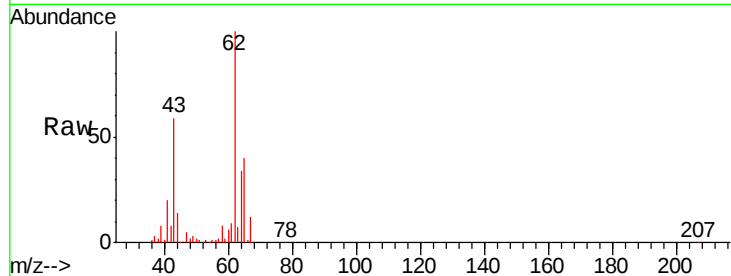
H0FJ4

Tgt Ion: 62 Resp: 64582

Ion Ratio Lower Upper

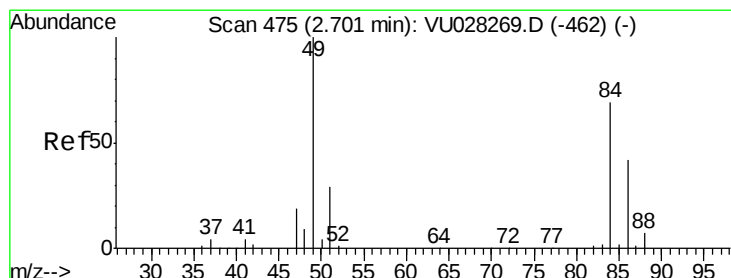
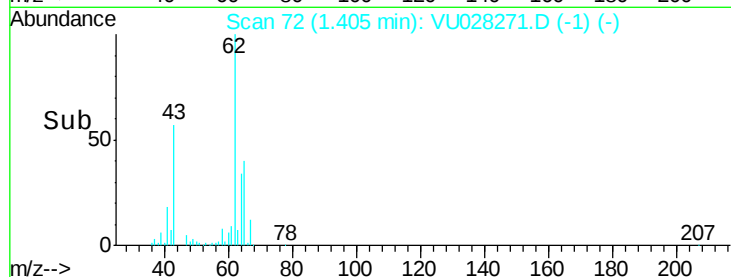
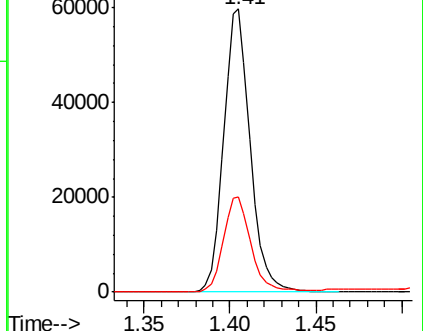
62 100

64 33.5 21.7 40.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#16

Methylene chloride

Concen: 0.32 ug/L

RT: 2.71 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU028271.D

Acq: 20 Nov 2018 12:25

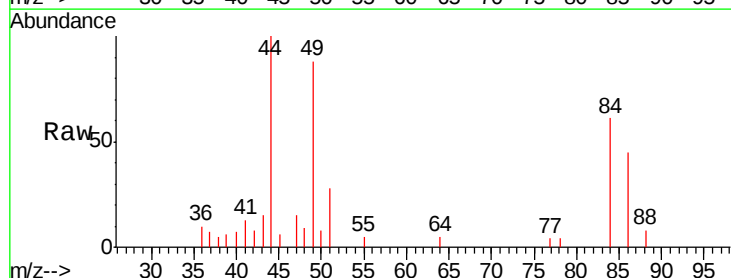
Tgt Ion: 84 Resp: 3287

Ion Ratio Lower Upper

84 100

86 73.6 45.3 84.1

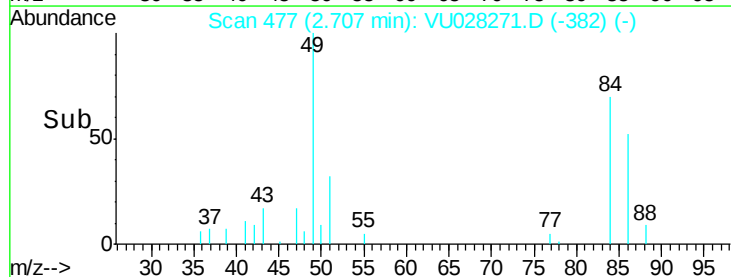
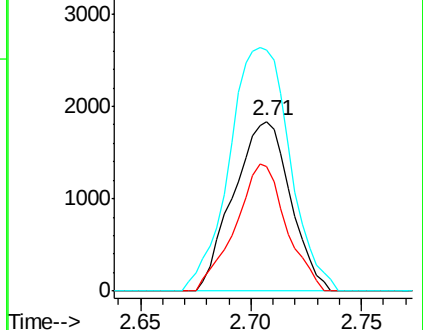
49 142.5 107.9 200.5

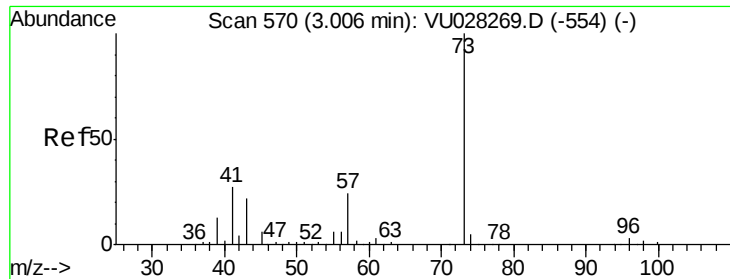


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

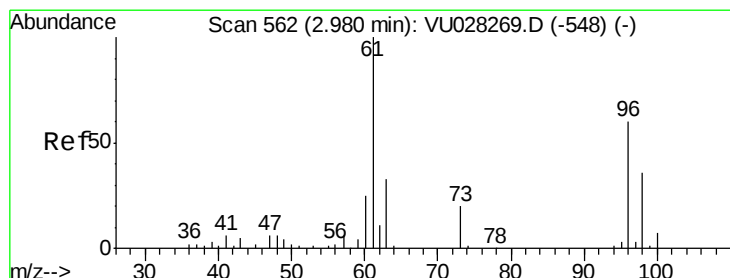
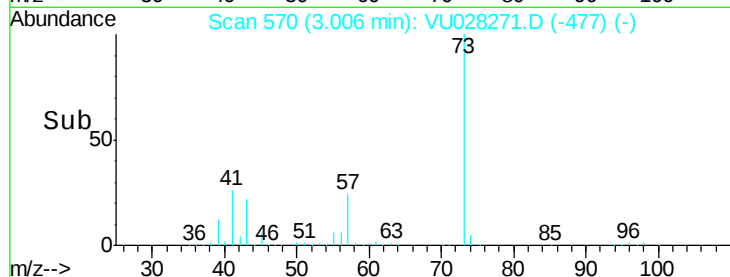
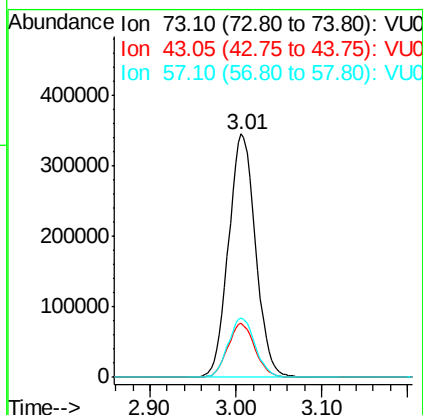
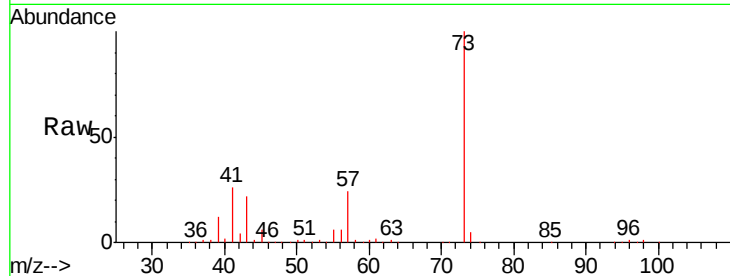




#17
Methyl tert-butyl Ether
Concen: 30.27 ug/L
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU028271.D
Acq: 20 Nov 2018 12:25

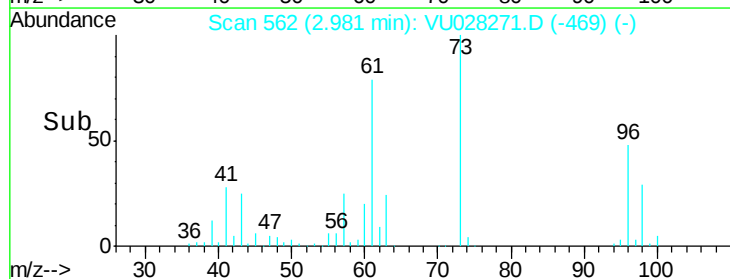
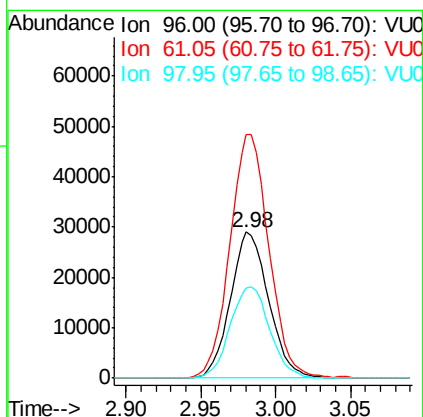
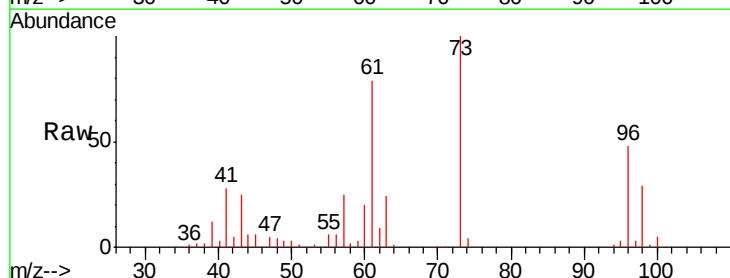
Instrument :
MSVOA_U
ClientSampleId :
H0FJ4

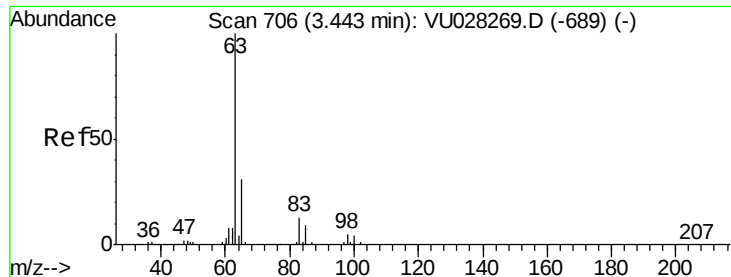
Tgt Ion: 73 Resp: 752911
Ion Ratio Lower Upper
73 100
43 22.4 18.8 28.2
57 24.5 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 5.84 ug/L
RT: 2.98 min Scan# 562
Delta R.T. 0.00 min
Lab File: VU028271.D
Acq: 20 Nov 2018 12:25

Tgt Ion: 96 Resp: 51506
Ion Ratio Lower Upper
96 100
61 166.9 122.2 227.0
98 61.6 44.9 83.5





#19

1,1-Dichloroethane

Concen: 1.19 ug/L

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028271.D

Acq: 20 Nov 2018 12:25

Instrument :

MSVOA_U

ClientSampled :

H0FJ4

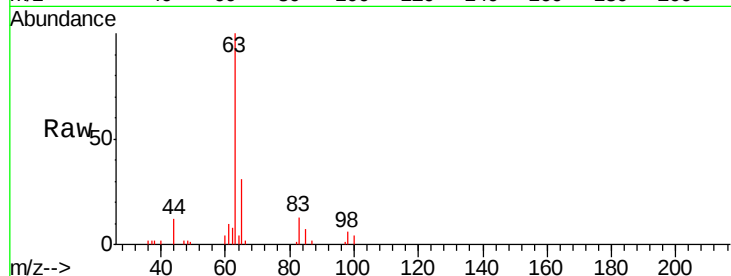
Tgt Ion: 63 Resp: 24405

Ion Ratio Lower Upper

63 100

65 31.2 21.2 39.4

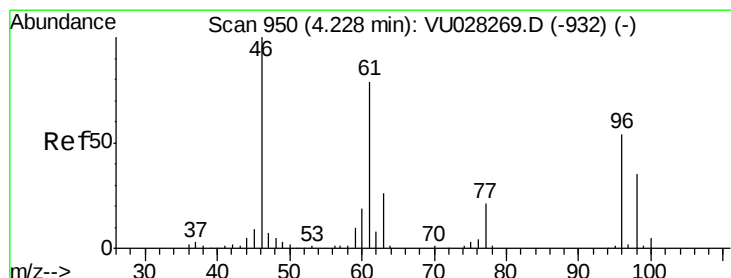
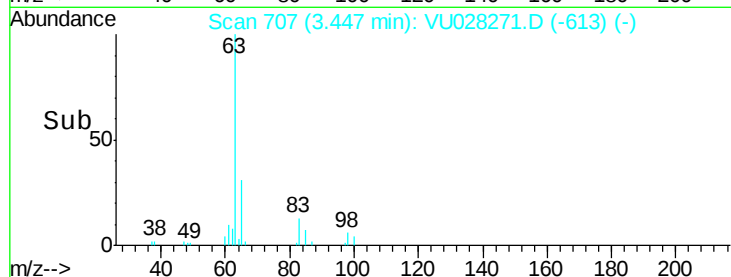
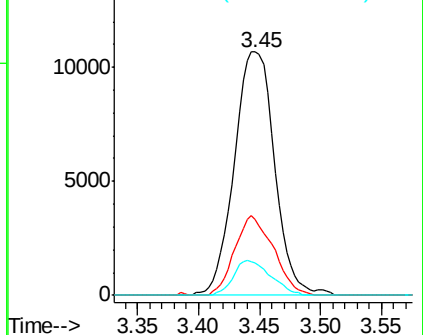
83 13.4 8.8 16.4



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 45.43 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028271.D

Acq: 20 Nov 2018 12:25

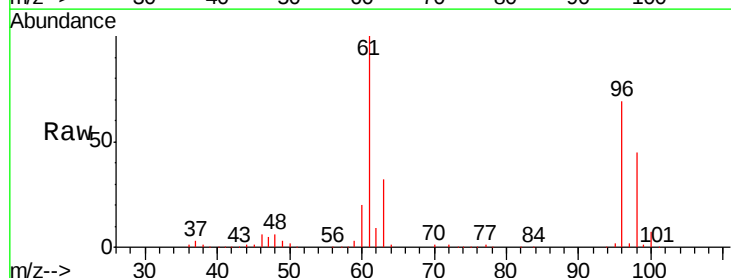
Tgt Ion: 96 Resp: 473597

Ion Ratio Lower Upper

96 100

61 144.2 108.0 200.6

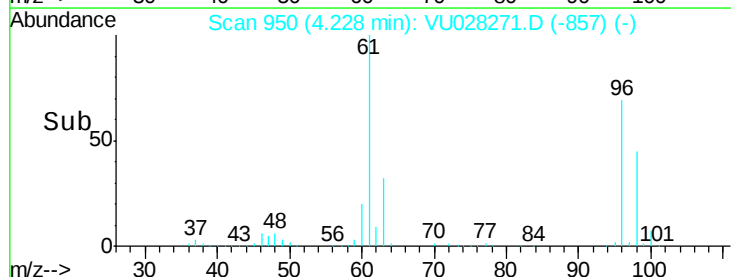
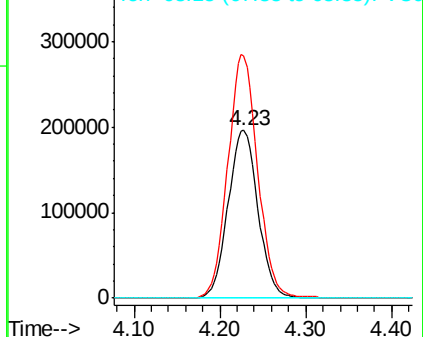
68 0.0 0.0 0.0

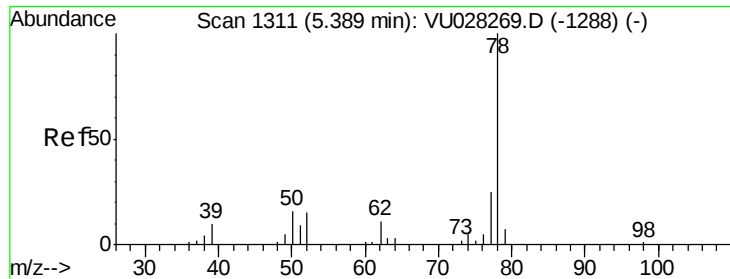


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#33

Benzene

Concen: 0.28 ug/L

RT: 5.39 min Scan# 1311

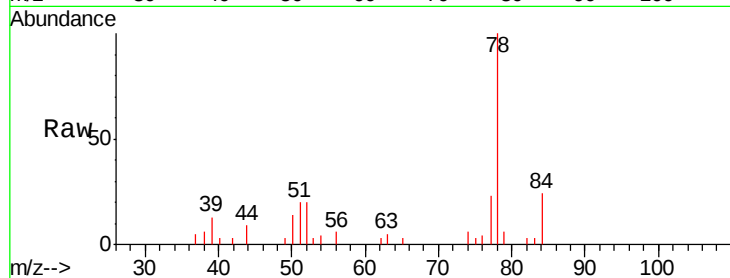
Delta R.T. 0.00 min

Lab File: VU028271.D

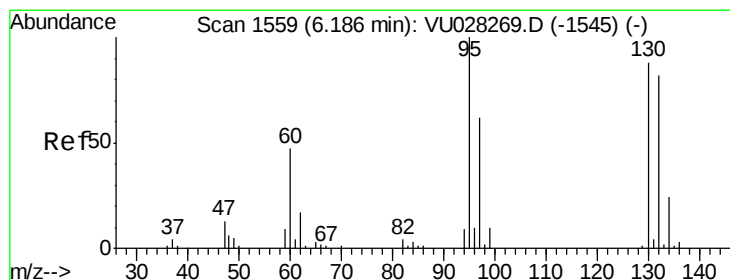
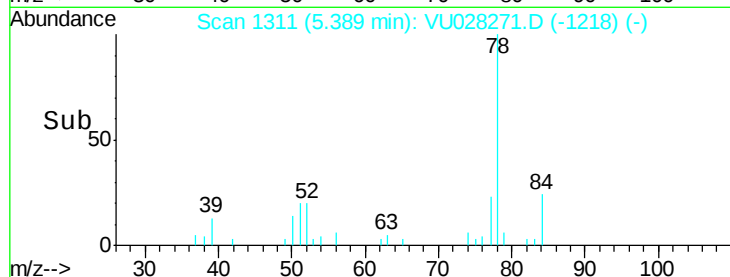
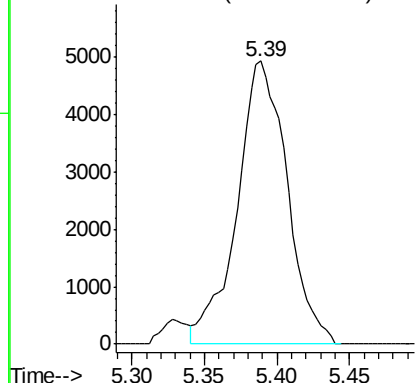
Acq: 20 Nov 2018 12:25

Instrument :
MSVOA_U
ClientSampleId :
H0FJ4

Tgt Ion: 78 Resp: 11833



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 26.25 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028271.D

Acq: 20 Nov 2018 12:25

Tgt Ion: 95 Resp: 272787

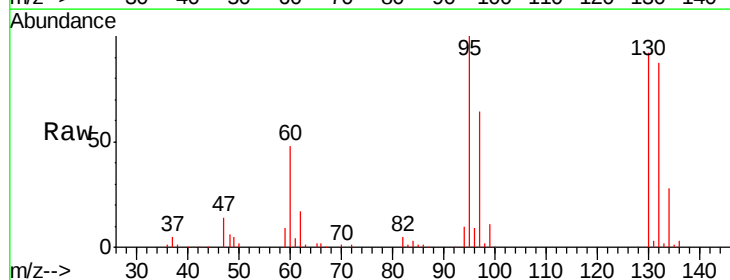
Ion Ratio Lower Upper

95 100

97 64.2 46.5 86.3

132 86.7 58.9 109.3

130 92.1 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): VU0

Ion 129.95 (129.65 to 130.65): VU0

