

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111718\
 Data File : VU028240.D
 Acq On : 17 Nov 2018 21:28
 Operator : MD/SY
 Sample : J5986-02MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FG7MS

Quant Time: Nov 19 03:59:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 19 03:08:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	155888	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	147967	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68646	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	54634	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.68	69	45718	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.28	63	110497	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	4.19	46	199415	50.80	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.60%
24) Chloroform-d	4.65	84	93859	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.31	65	58465	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.34	84	198512	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.33	67	73592	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.57	98	171689	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	7.85	79	22734	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.31	63	146996	49.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	53812	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	60389	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

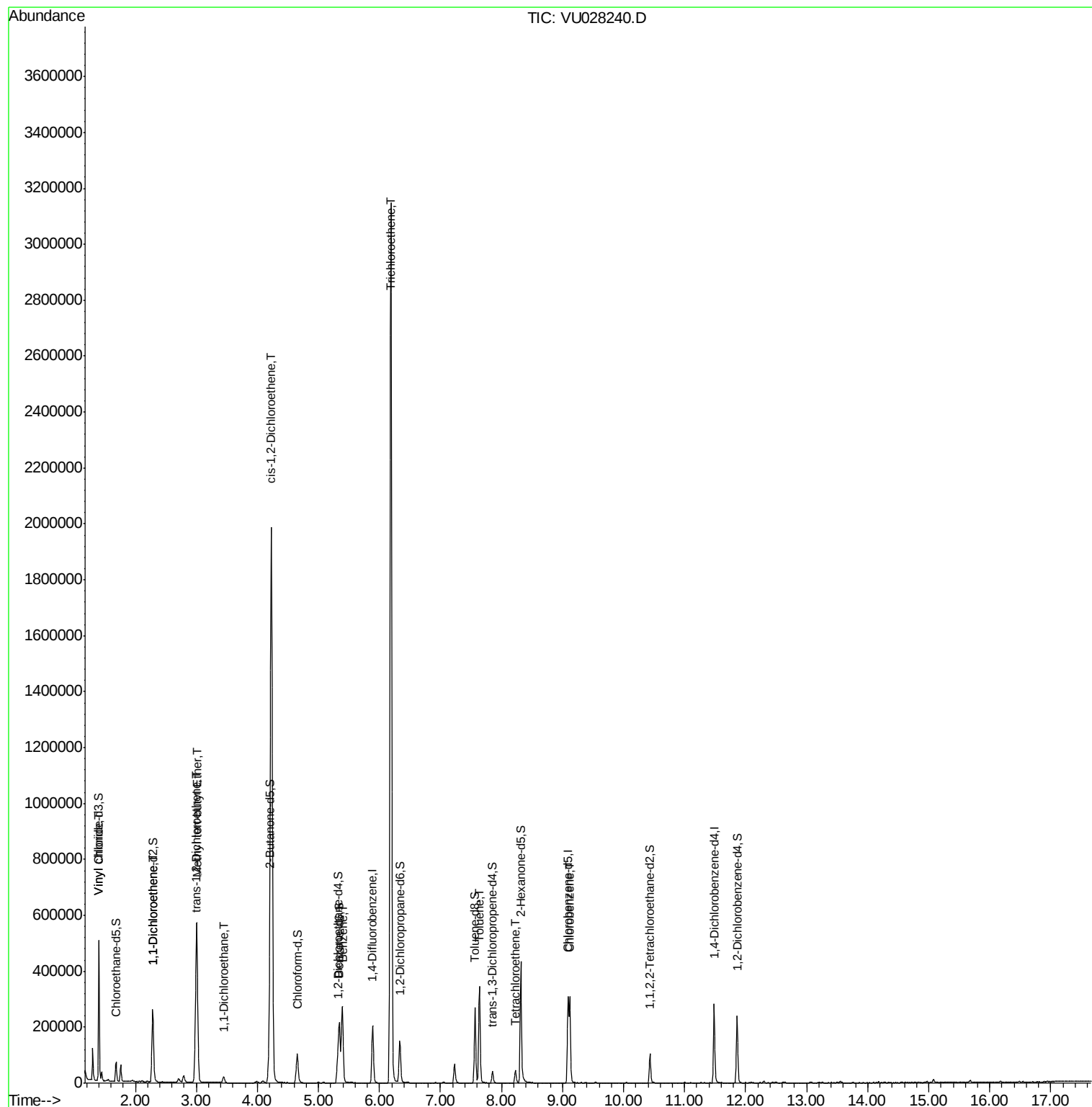
						Qvalue
5) Vinyl chloride	1.40	62	154760	9.78	ug/L	96
12) 1,1-Dichloroethene	2.29	96	50328	5.24	ug/L	94
17) Methyl tert-butyl Ether	3.01	73	536150	18.60	ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	36472	3.57	ug/L	96
19) 1,1-Dichloroethane	3.45	63	23911	1.01	ug/L	95
22) cis-1,2-Dichloroethene	4.23	96	1002163	82.94	ug/L	97
33) Benzene	5.39	78	256599	5.26	ug/L	100
34) Trichloroethene	6.19	95	1103232	92.30	ug/L	99
42) Toluene	7.64	91	240652	4.86	ug/L	98
47) Tetrachloroethene	8.23	164	10237	1.23	ug/L	99
51) Chlorobenzene	9.12	112	138852	4.87	ug/L	96

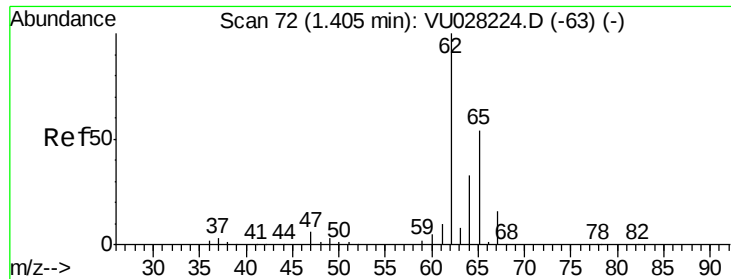
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 19 03:08:19 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.78 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028240.D

Acq: 17 Nov 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

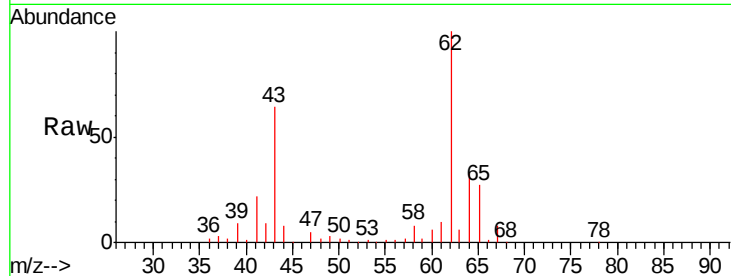
H0FG7MS

Tgt Ion: 62 Resp: 154760

Ion Ratio Lower Upper

62 100

64 33.1 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

150000

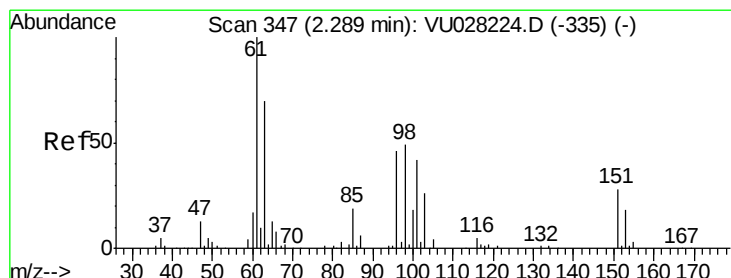
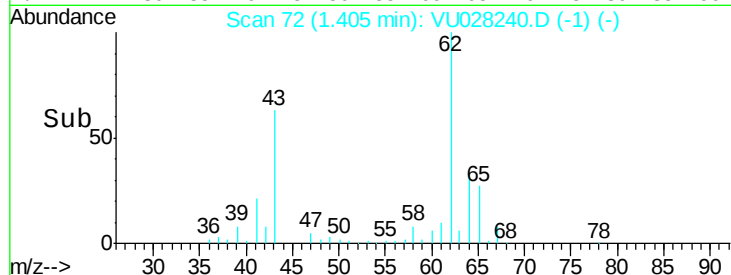
100000

50000

0

Time-->

1.35 1.40 1.45 1.50



#12

1,1-Dichloroethene

Concen: 5.24 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028240.D

Acq: 17 Nov 2018 21:28

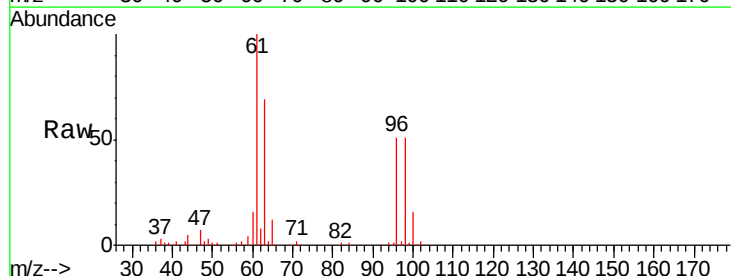
Tgt Ion: 96 Resp: 50328

Ion Ratio Lower Upper

96 100

61 197.5 145.5 270.1

63 135.7 98.6 183.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

80000

60000

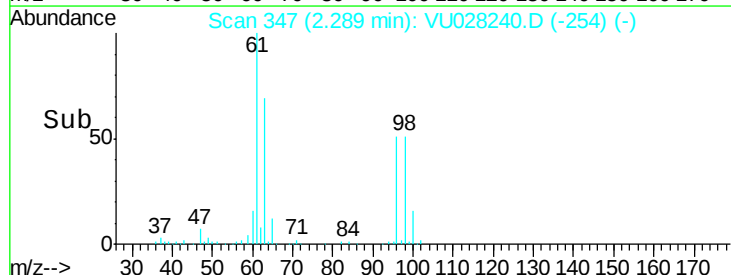
40000

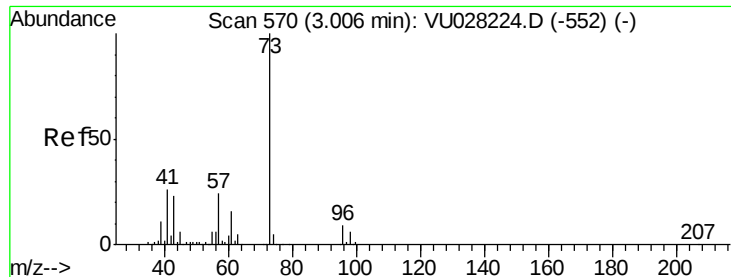
20000

0

Time-->

2.25 2.30 2.35





#17

Methyl tert-butyl Ether

Concen: 18.60 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU028240.D

Acq: 17 Nov 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

H0FG7MS

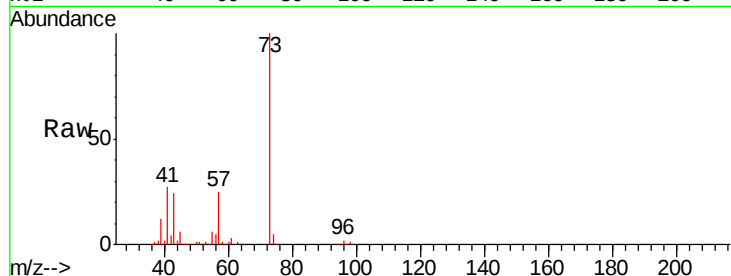
Tgt Ion: 73 Resp: 536150

Ion Ratio Lower Upper

73 100

43 23.7 18.8 28.2

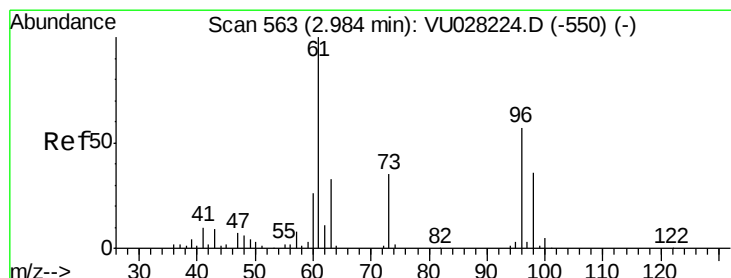
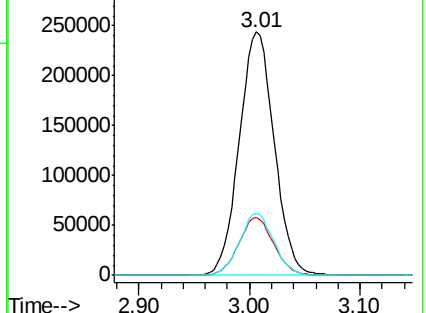
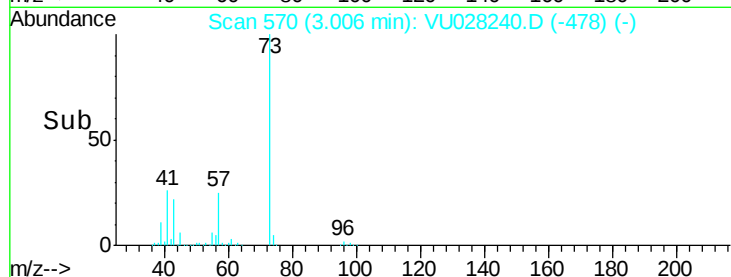
57 24.8 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU028240.D (-478) (-)

Ion 43.05 (42.75 to 43.75): VU028240.D (-478) (-)

Ion 57.10 (56.80 to 57.80): VU028240.D (-478) (-)



#18

trans-1,2-Dichloroethene

Concen: 3.57 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028240.D

Acq: 17 Nov 2018 21:28

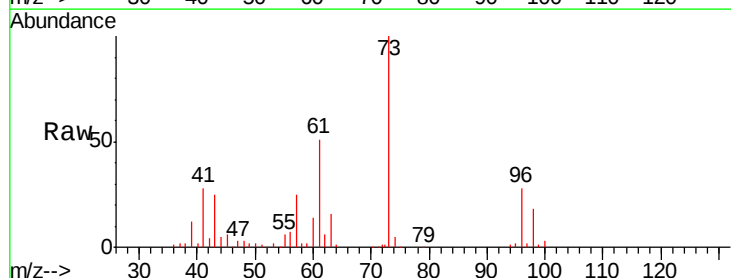
Tgt Ion: 96 Resp: 36472

Ion Ratio Lower Upper

96 100

61 181.9 122.2 227.0

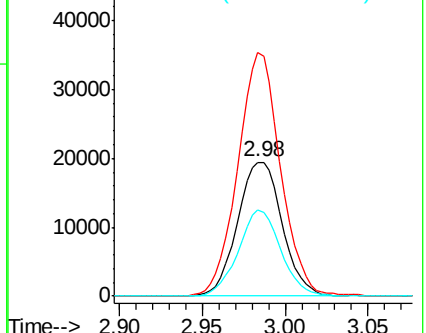
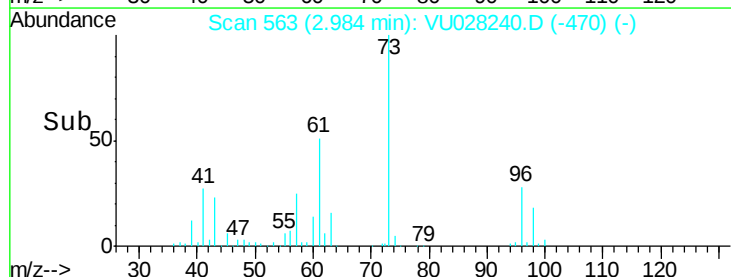
98 64.0 44.9 83.5

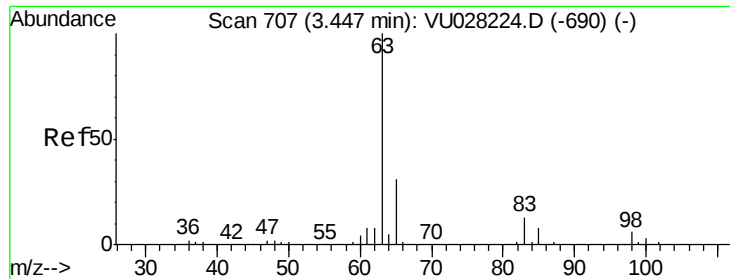


Abundance Ion 96.00 (95.70 to 96.70): VU028240.D (-470) (-)

Ion 61.05 (60.75 to 61.75): VU028240.D (-470) (-)

Ion 97.95 (97.65 to 98.65): VU028240.D (-470) (-)

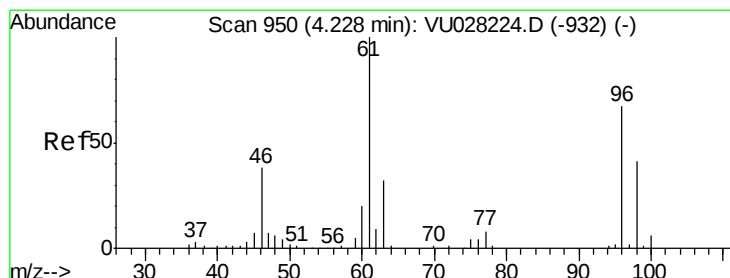
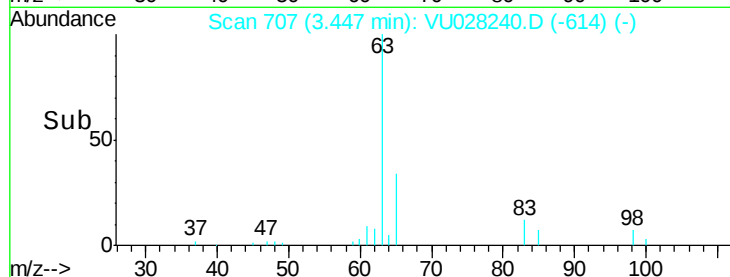
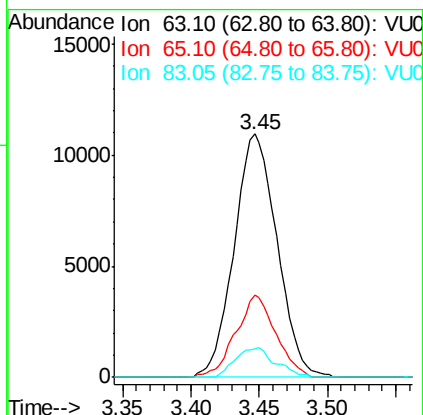
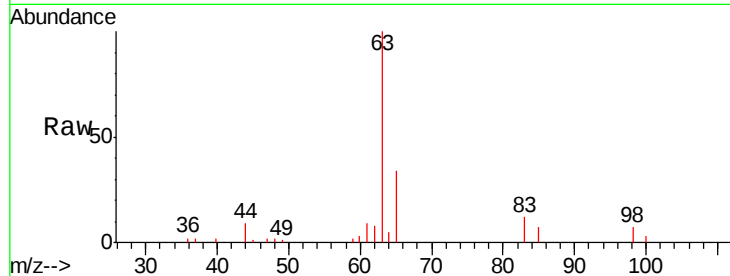




#19
 1,1-Dichloroethane
 Concen: 1.01 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU028240.D
 Acq: 17 Nov 2018 21:28

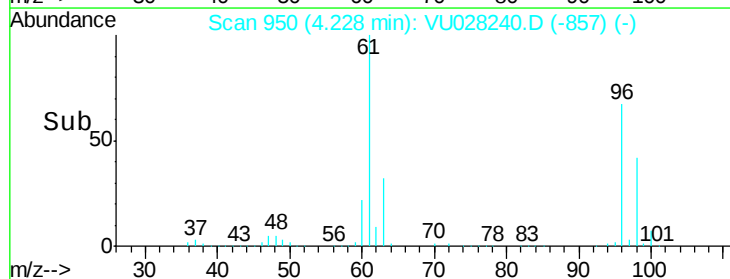
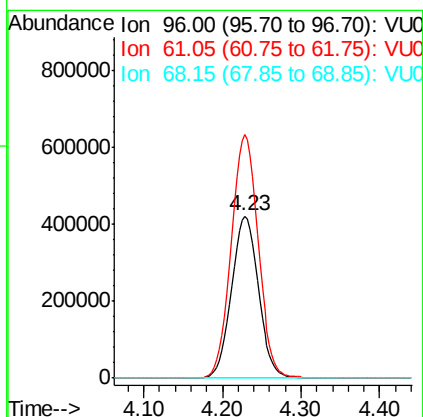
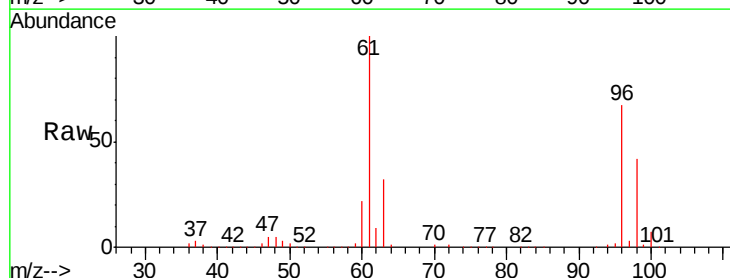
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FG7MS

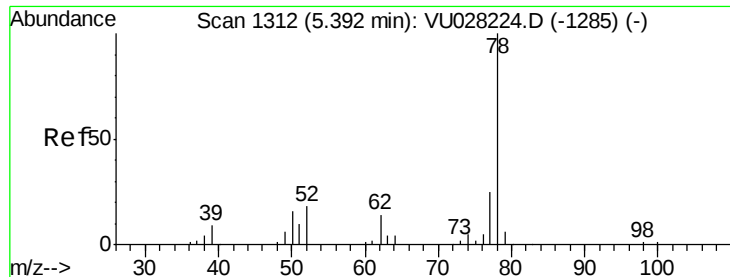
Tgt Ion: 63 Resp: 23911
 Ion Ratio Lower Upper
 63 100
 65 34.0 21.2 39.4
 83 11.9 8.8 16.4



#22
 cis-1,2-Dichloroethene
 Concen: 82.94 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028240.D
 Acq: 17 Nov 2018 21:28

Tgt Ion: 96 Resp: 1002163
 Ion Ratio Lower Upper
 96 100
 61 150.2 108.0 200.6
 68 0.0 0.0 0.0





#33

Benzene

Concen: 5.26 ug/L

RT: 5.39 min Scan# 1312

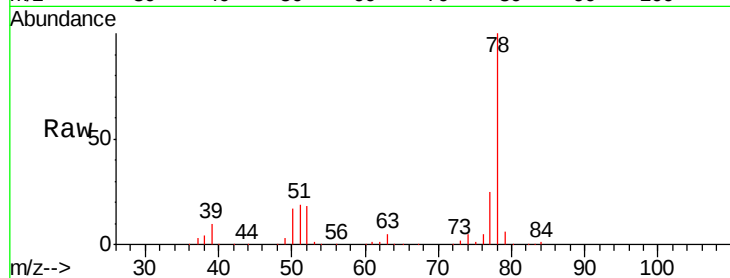
Delta R.T. -0.00 min

Lab File: VU028240.D

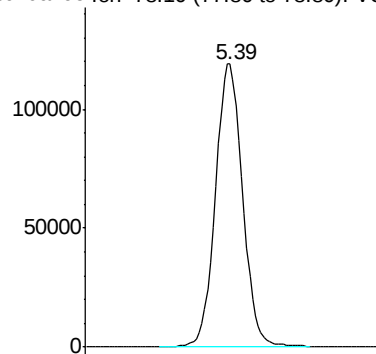
Acq: 17 Nov 2018 21:28

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

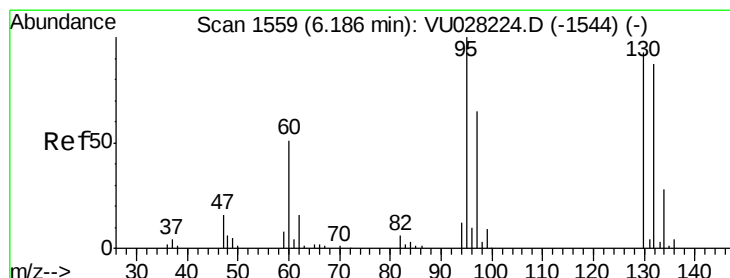
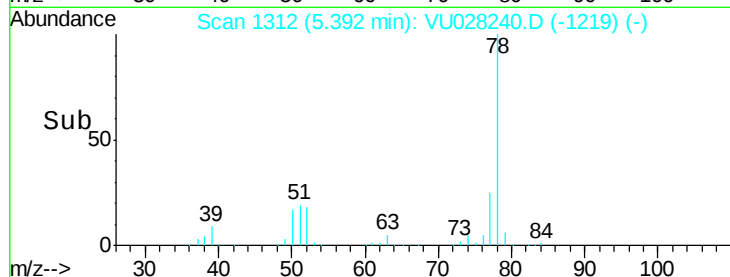
Tgt Ion: 78 Resp: 256599



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#34

Trichloroethene

Concen: 92.30 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028240.D

Acq: 17 Nov 2018 21:28

Tgt Ion: 95 Resp: 1103232

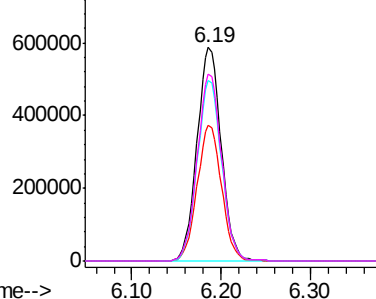
Ion	Ratio	Lower	Upper
95	100		
97	63.5	46.5	86.3
132	84.8	58.9	109.3
130	87.5	61.3	113.9

Abundance Ion 95.00 (94.70 to 95.70): VU0

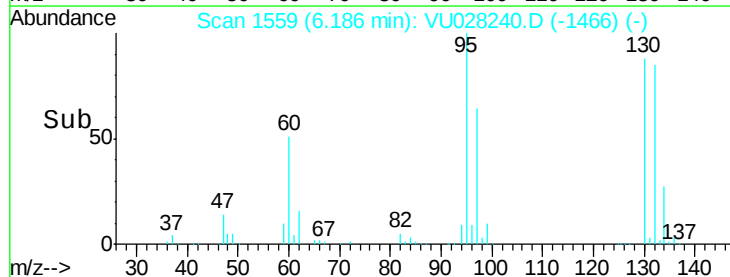
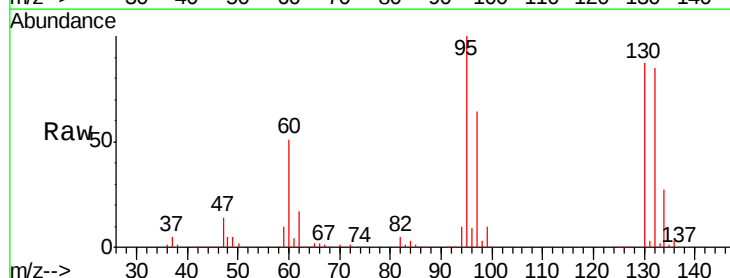
Ion 96.95 (96.65 to 97.65): VU0

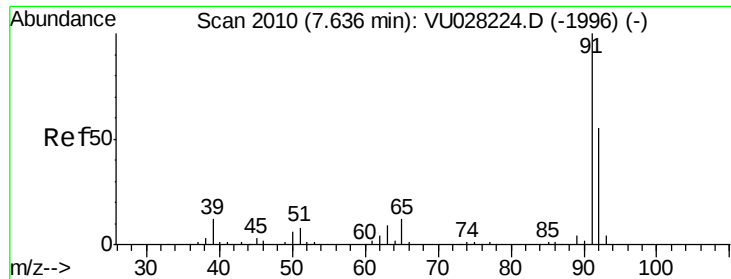
Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0



Time-->





#42

Toluene

Concen: 4.86 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028240.D

Acq: 17 Nov 2018 21:28

Instrument :

MSVOA_U

ClientSampleId :

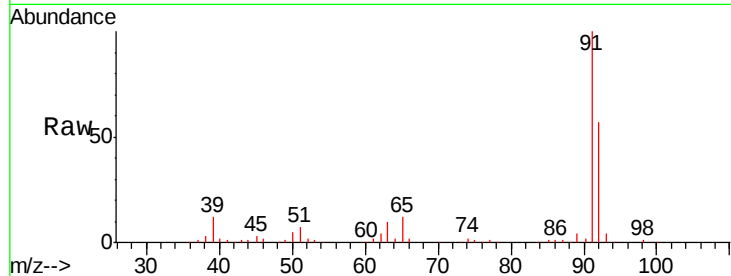
H0FG7MS

Tgt Ion: 91 Resp: 240652

Ion Ratio Lower Upper

91 100

92 57.3 39.0 72.4



Abundance Ion 91.15 (90.85 to 91.85): VU028240.D (-1996) (-)

Ion 92.15 (91.85 to 92.85): VU028240.D (-1996) (-)

7.64

150000

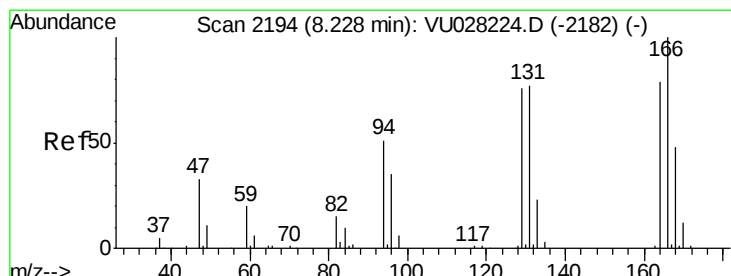
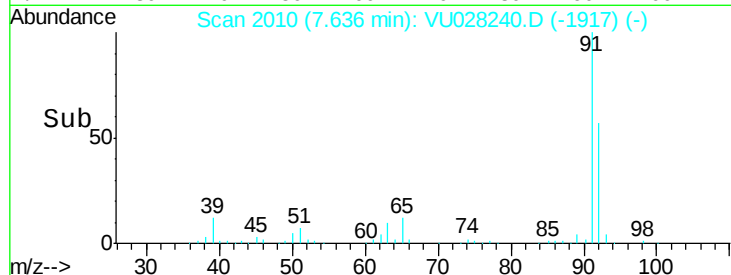
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#47

Tetrachloroethene

Concen: 1.23 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028240.D

Acq: 17 Nov 2018 21:28

Tgt Ion: 164 Resp: 10237

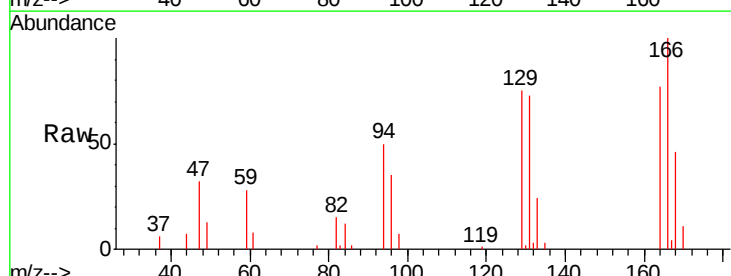
Ion Ratio Lower Upper

164 100

129 97.2 67.6 125.6

131 94.2 66.3 123.1

166 129.2 89.2 165.6



Abundance Ion 163.90 (163.60 to 164.60): VU028224.D (-2182) (-)

Ion 128.95 (128.65 to 129.65): VU028224.D (-2182) (-)

Ion 130.95 (130.65 to 131.65): VU028224.D (-2182) (-)

Ion 165.90 (165.60 to 166.60): VU028224.D (-2182) (-)

10000

8000

6000

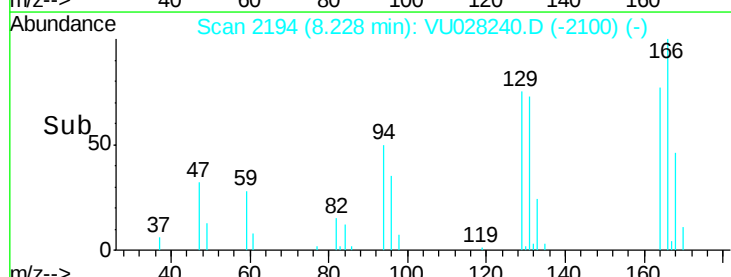
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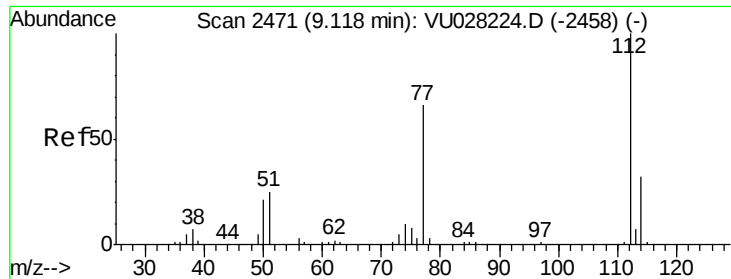
2000

0

8.15 8.20 8.25 8.30

Time-->

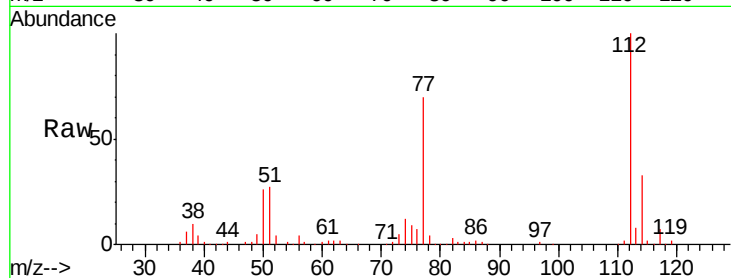




#51
 Chlorobenzene
 Concen: 4.87 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. -0.00 min
 Lab File: VU028240.D
 Acq: 17 Nov 2018 21:28

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FG7MS

Tgt Ion:	112	Resp:	138852
Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.3	41.5
77	69.5	52.4	78.6



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VU0

