

Data File : VU028251.D
Acq On : 19 Nov 2018 13:40
Operator : MD/SY
Sample : J5986-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FK8

Quant Time: Nov 20 07:11:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	126196	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	121051	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52171	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42840	4.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	1.68	69	38465	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.28	63	65200	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.22	46	125240	39.41	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.82%
24) Chloroform-d	4.65	84	79107	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.31	65	44566	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	5.34	84	159888	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.33	67	57901	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.57	98	138209	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.85	79	15007	3.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.20%
46) 2-Hexanone-d5	8.32	63	75926	31.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	62.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	41183	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	46339	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	58657	4.580	ug/L	95
8) Chloroethane	1.71	64	4074	0.538	ug/L #	66
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	512	0.062	ug/L #	45
12) 1,1-Dichloroethene	2.27	96	439	0.057	ug/L #	1
15) Methyl Acetate	2.63	43	907	0.157	ug/L #	69
17) Methyl tert-butyl Ether	3.01	73	29157	1.249	ug/L #	88
18) trans-1,2-Dichloroethene	2.98	96	83583	10.100	ug/L	98
19) 1,1-Dichloroethane	3.45	63	29420	1.533	ug/L	96
22) cis-1,2-Dichloroethene	4.23	96	21363	2.184	ug/L	98
30) Cyclohexane	5.00	56	1123	0.063	ug/L	93
33) Benzene	5.39	78	21643	0.542	ug/L	100
34) Trichloroethene	6.19	95	930	0.095	ug/L #	76
35) Methylcyclohexane	6.33	83	12042	0.782	ug/L #	13
37) 1,2-Dichloropropane	6.33	63	6254	0.549	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	972	0.067	ug/L #	42
42) Toluene	7.65	91	1770	0.044	ug/L	92
49) Dibromochloromethane	8.23	129	332	0.048	ug/L #	10

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	7048	1.070	ug/L #	88

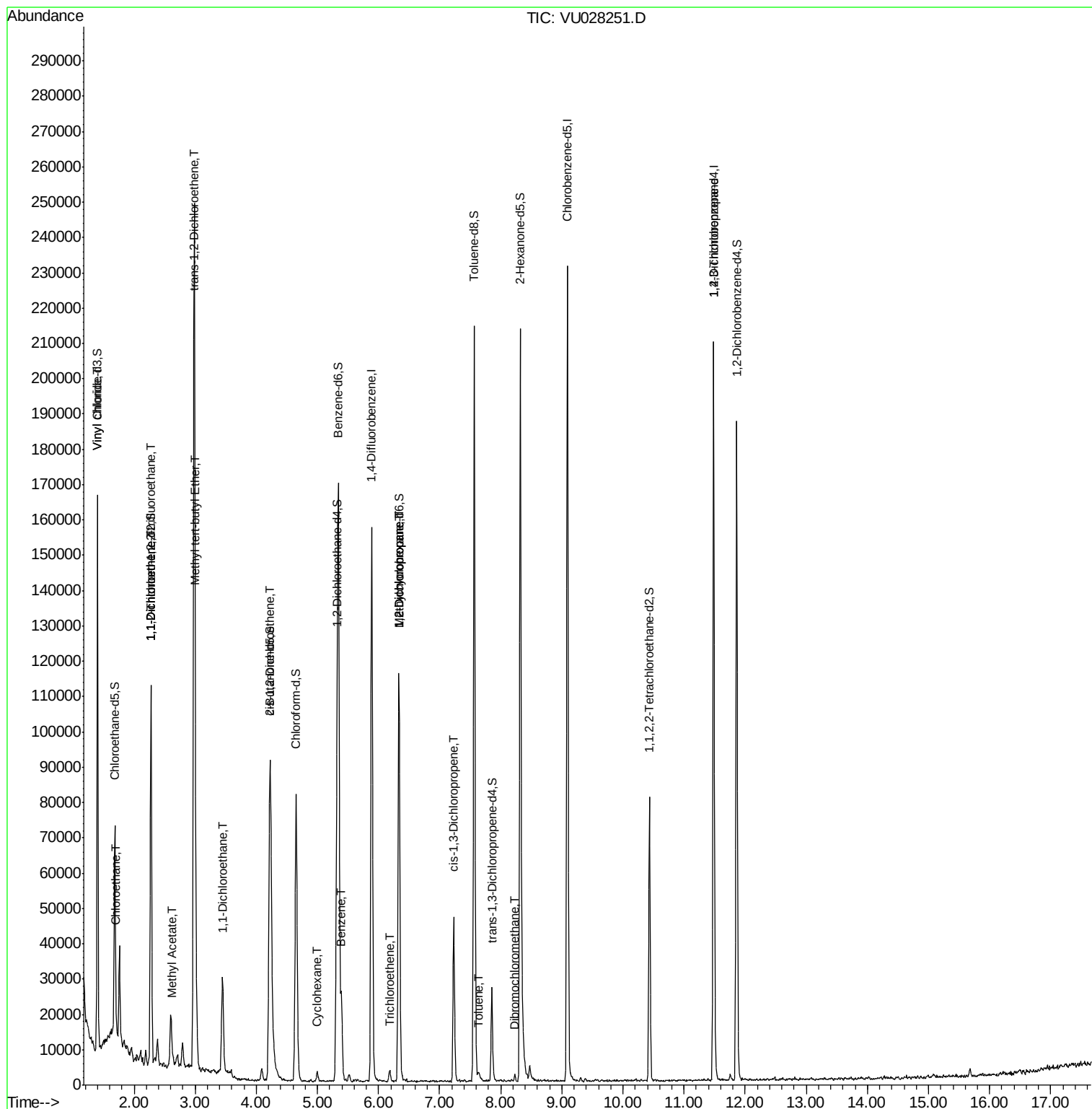
(#) = qualifier out of range (m) = manual integration (+) = signals summed

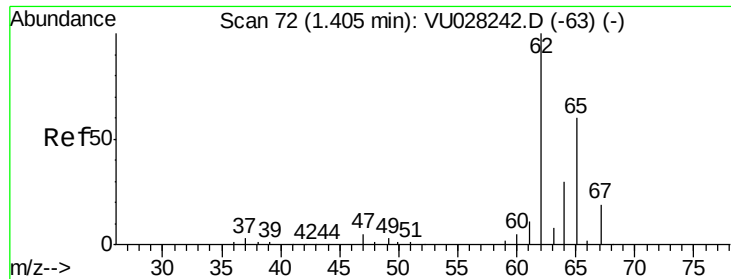
Data File : VU028251.D

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QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.580 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028251.D

Acq: 19 Nov 2018 13:40

Instrument :

MSVOA_U

ClientSampleId :

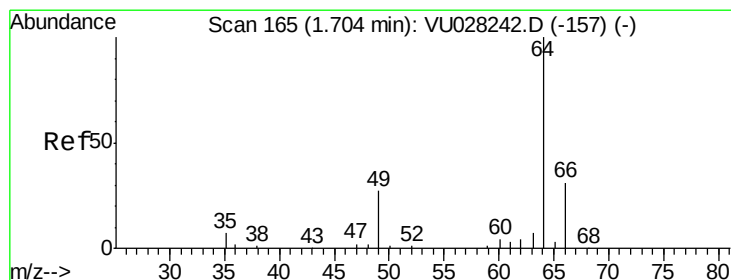
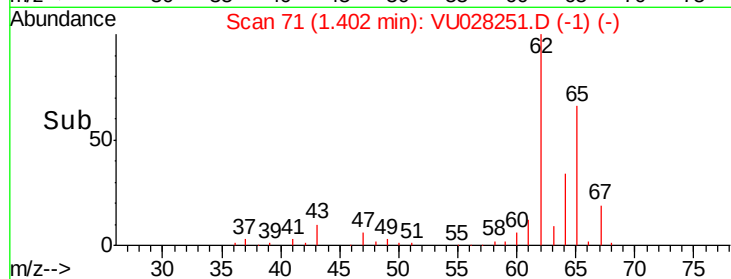
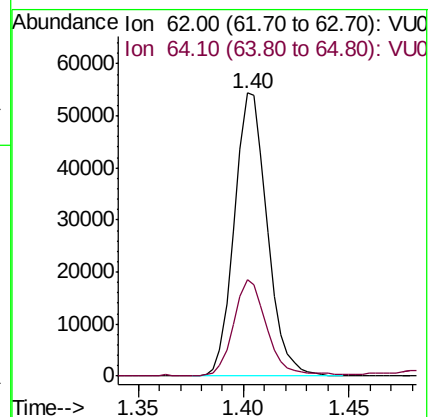
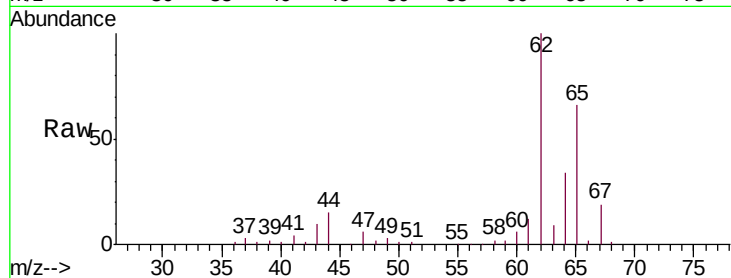
H0FK8

Tgt Ion: 62 Resp: 58657

Ion Ratio Lower Upper

62 100

64 33.9 21.7 40.3



#8

Chloroethane

Concen: 0.538 ug/L

RT: 1.71 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU028251.D

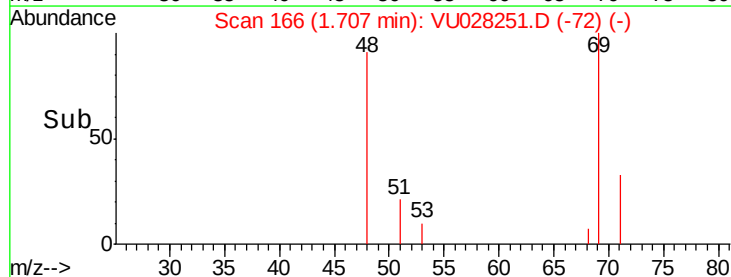
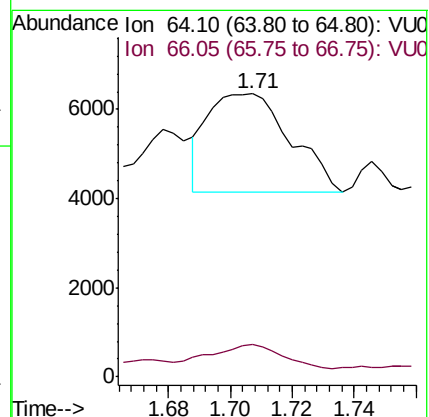
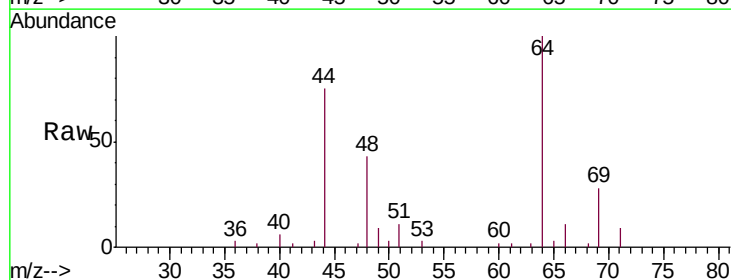
Acq: 19 Nov 2018 13:40

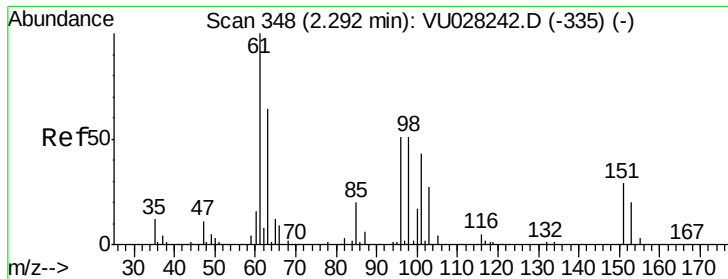
Tgt Ion: 64 Resp: 4074

Ion Ratio Lower Upper

64 100

66 11.3 20.7 38.5#





#10

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

Concen: 0.062 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028251.D

Acq: 19 Nov 2018 13:40

Instrument :

MSVOA_U

ClientSampled :

H0FK8

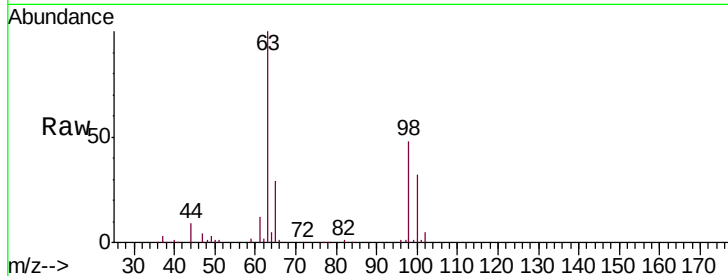
Tgt Ion: 101 Resp: 512

Ion Ratio Lower Upper

101 100

85 39.3 37.4 56.2

151 0.0 55.0 82.4#



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

2.28

300

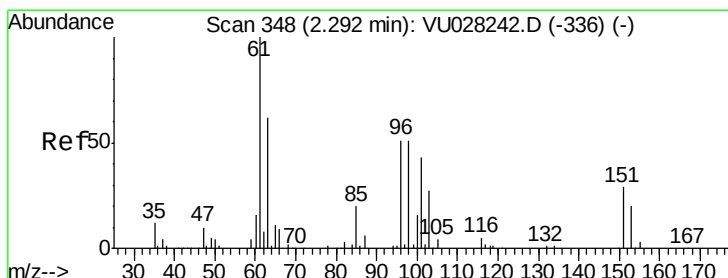
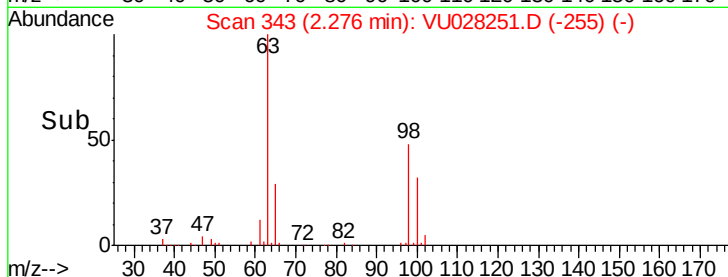
200

100

0

2.24 2.26 2.28 2.30

Time-->



#12

1,1-Dichloroethene

Concen: 0.057 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU028251.D

Acq: 19 Nov 2018 13:40

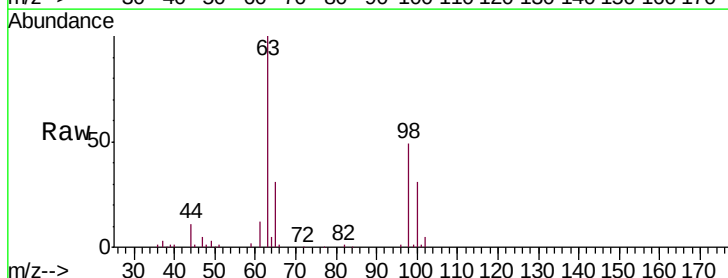
Tgt Ion: 96 Resp: 439

Ion Ratio Lower Upper

96 100

61 1298.8 145.5 270.1#

63 11023.6 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

60000

50000

40000

30000

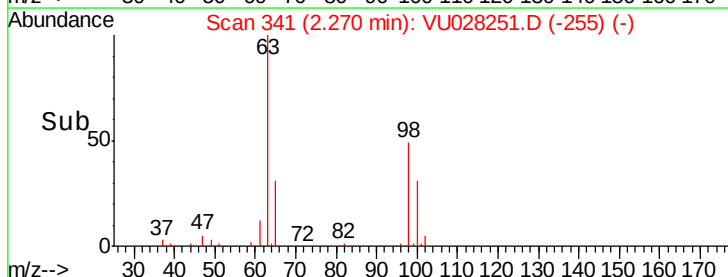
20000

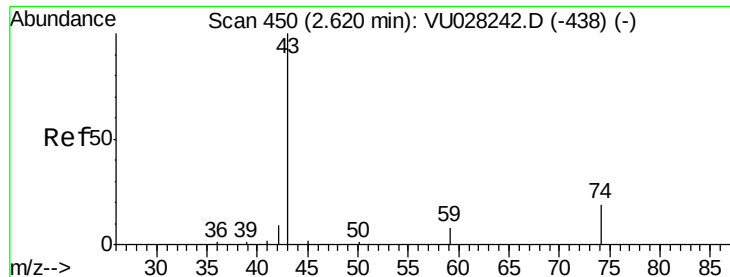
10000

0

2.24 2.26 2.28 2.30

Time-->

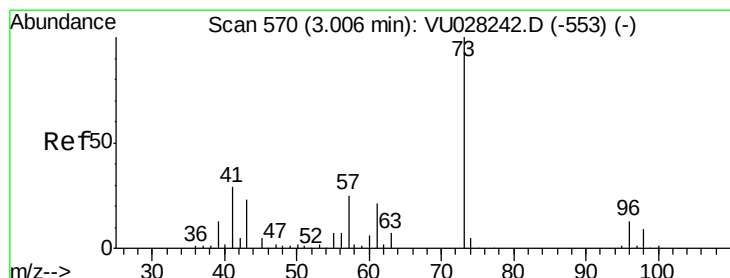
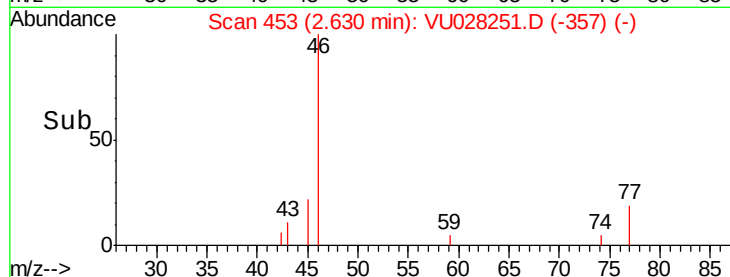
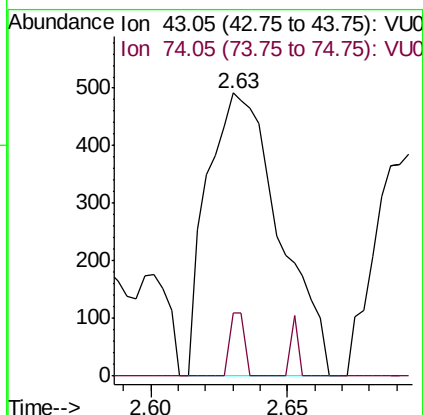
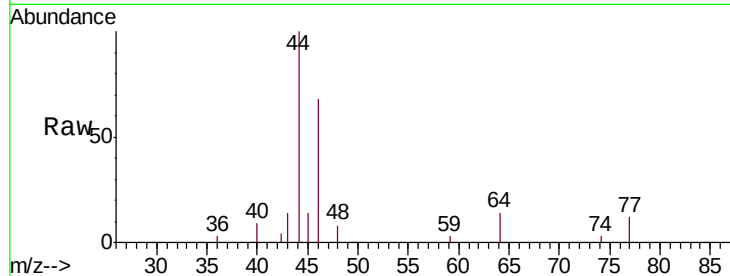




#15
Methyl Acetate
Concen: 0.157 ug/L
RT: 2.63 min Scan# 453
Delta R.T. 0.01 min
Lab File: VU028251.D
Acq: 19 Nov 2018 13:40

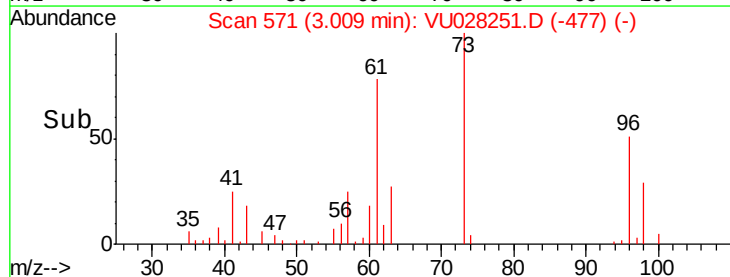
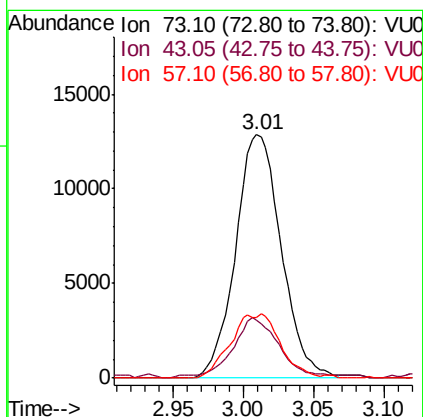
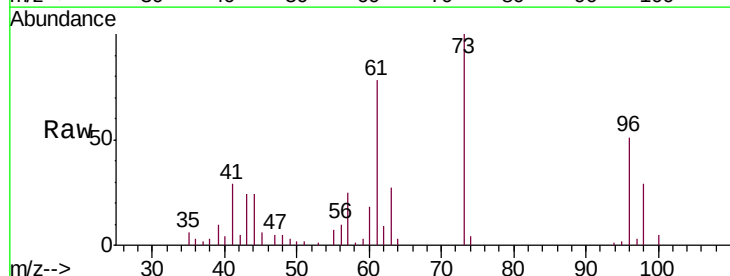
Instrument :
MSVOA_U
ClientSampleId :
H0FK8

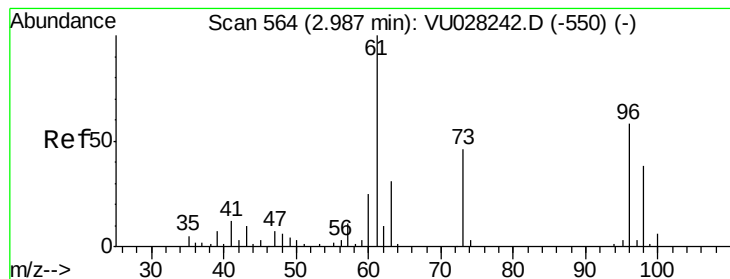
Tgt Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
74 4.6 14.7 22.1#



#17
Methyl tert-butyl Ether
Concen: 1.249 ug/L
RT: 3.01 min Scan# 571
Delta R.T. 0.00 min
Lab File: VU028251.D
Acq: 19 Nov 2018 13:40

Tgt Ion: 73 Resp: 29157
Ion Ratio Lower Upper
73 100
43 25.4 18.8 28.2
57 13.7 19.2 28.8#





#18

trans-1,2-Dichloroethene

Concen: 10.100 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028251.D

Acq: 19 Nov 2018 13:40

Instrument :

MSVOA_U

ClientSampled :

H0FK8

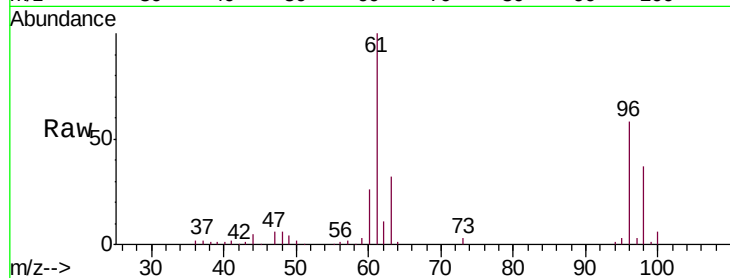
Tgt Ion: 96 Resp: 83583

Ion Ratio Lower Upper

96 100

61 171.0 122.2 227.0

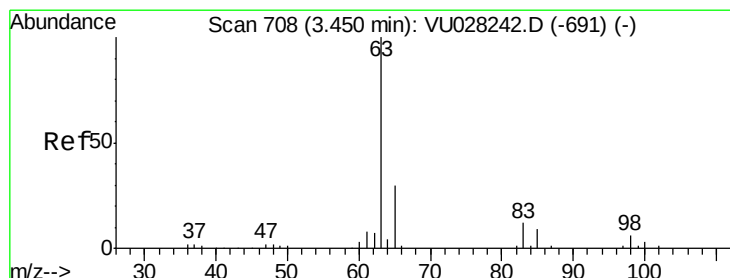
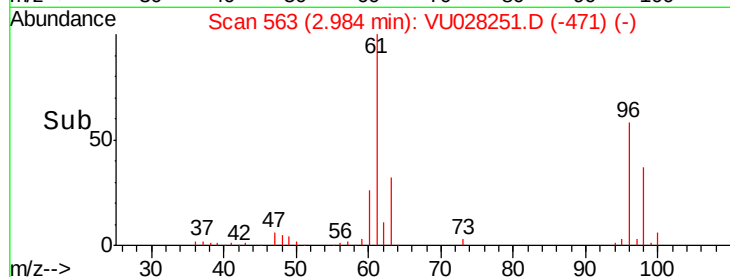
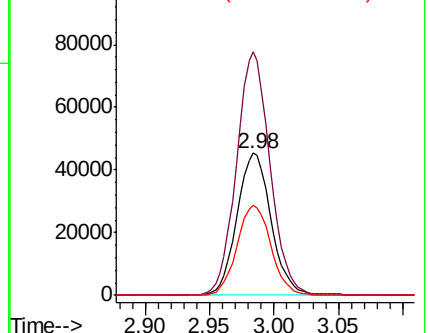
98 63.5 44.9 83.5



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: 1.533 ug/L

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028251.D

Acq: 19 Nov 2018 13:40

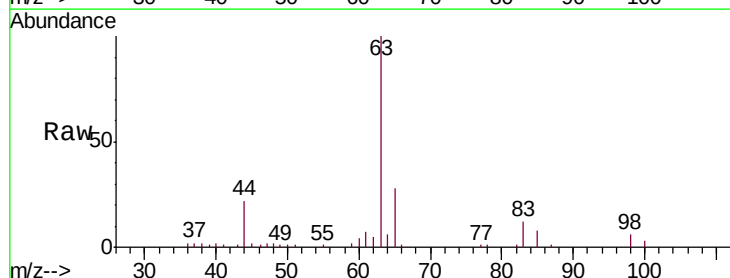
Tgt Ion: 63 Resp: 29420

Ion Ratio Lower Upper

63 100

65 27.9 21.2 39.4

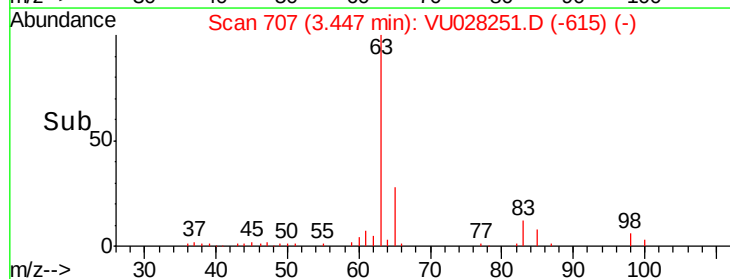
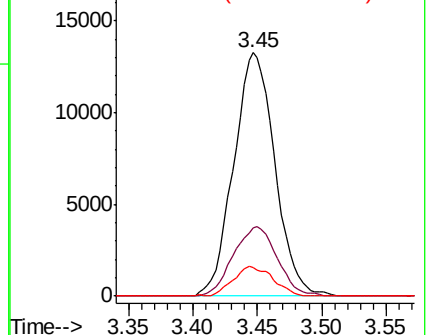
83 11.6 8.8 16.4

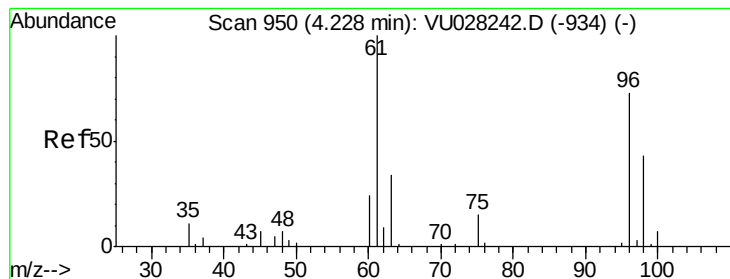


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 2.184 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028251.D

Acq: 19 Nov 2018 13:40

Instrument :

MSVOA_U

ClientSampleId :

H0FK8

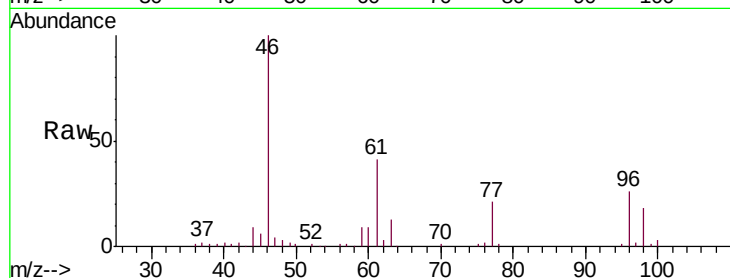
Tgt Ion: 96 Resp: 21363

Ion Ratio Lower Upper

96 100

61 156.3 108.0 200.6

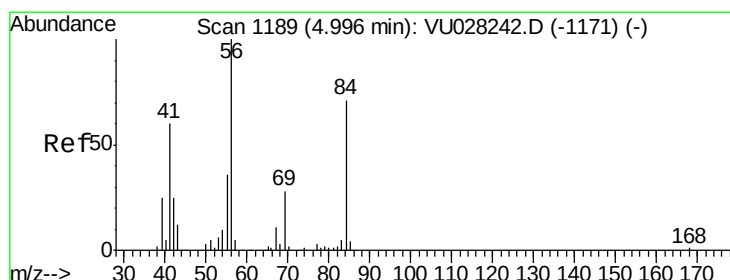
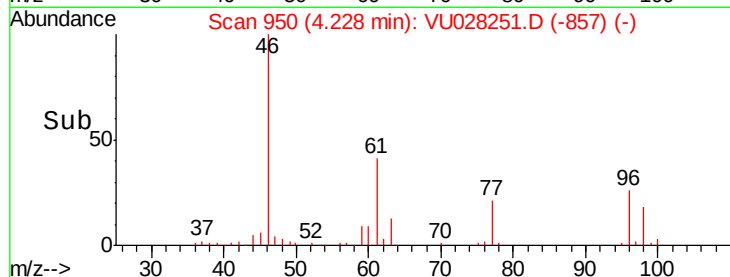
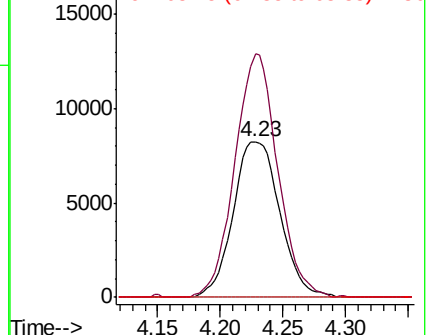
68 0.0 0.0 0.0



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



#30

Cyclohexane

Concen: 0.063 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028251.D

Acq: 19 Nov 2018 13:40

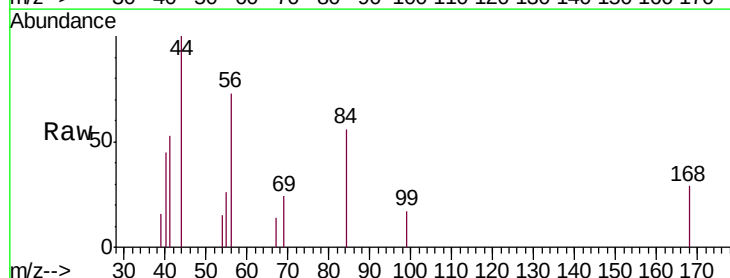
Tgt Ion: 56 Resp: 1123

Ion Ratio Lower Upper

56 100

69 22.2 22.0 33.0

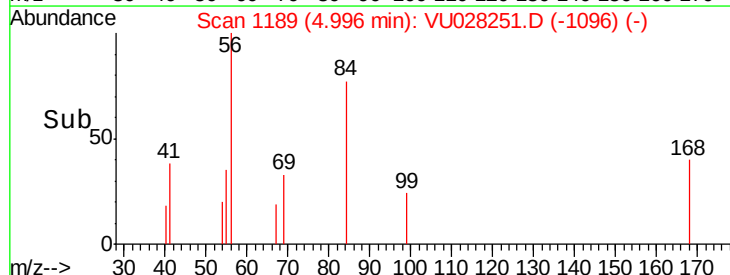
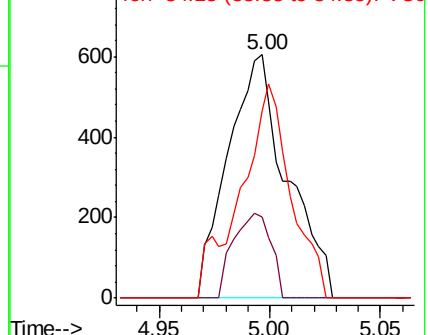
84 75.0 56.0 84.0

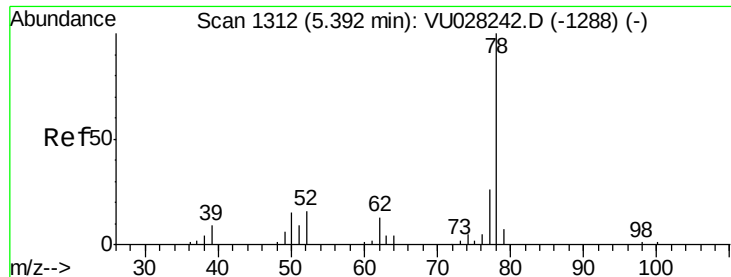


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#33

Benzene

Concen: 0.542 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU028251.D

Acq: 19 Nov 2018 13:40

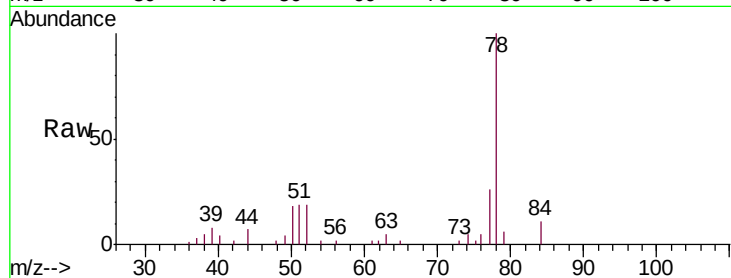
Instrument :

MSVOA_U

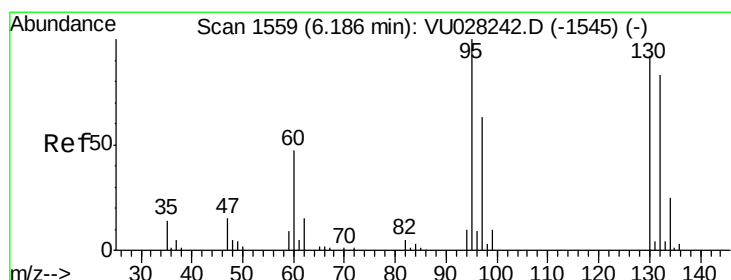
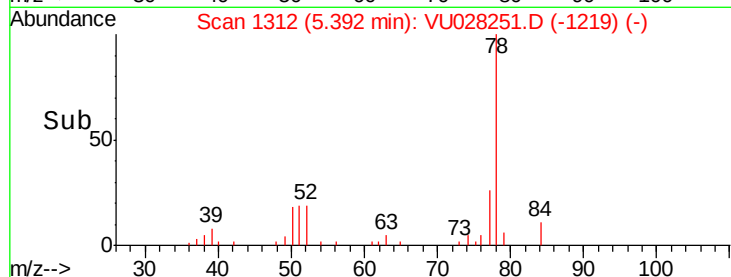
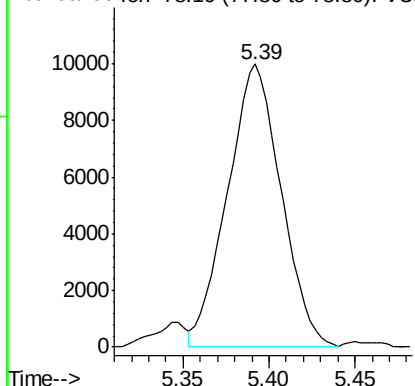
ClientSampled :

H0FK8

Tgt Ion: 78 Resp: 21643



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.095 ug/L

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU028251.D

Acq: 19 Nov 2018 13:40

Tgt Ion: 95 Resp: 930

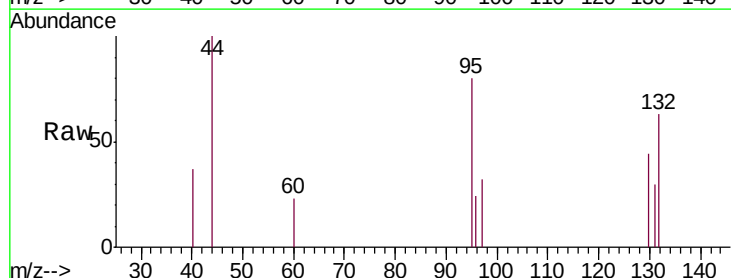
Ion	Ratio	Lower	Upper
95	100		
97	40.4	46.5	86.3#
132	78.7	58.9	109.3
130	54.7	61.3	113.9#

95 100

97 40.4 46.5 86.3#

132 78.7 58.9 109.3

130 54.7 61.3 113.9#

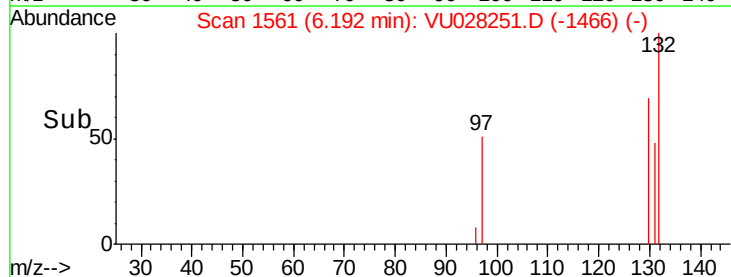
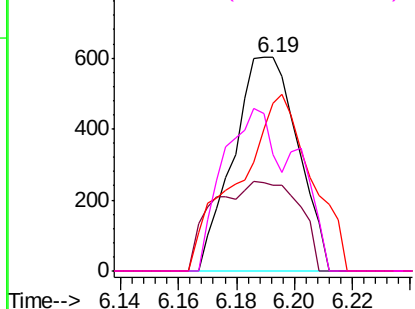


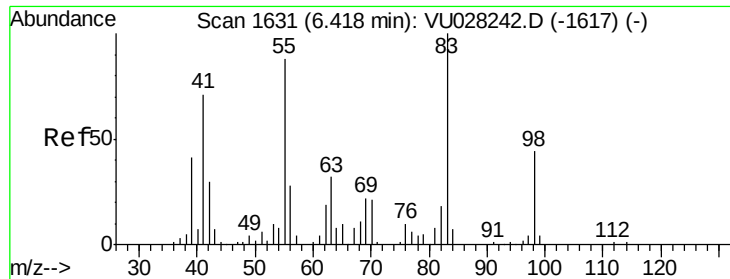
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

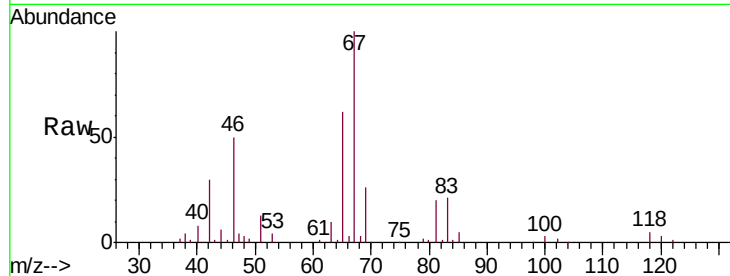




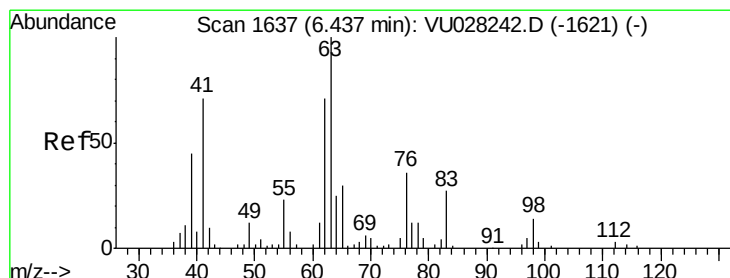
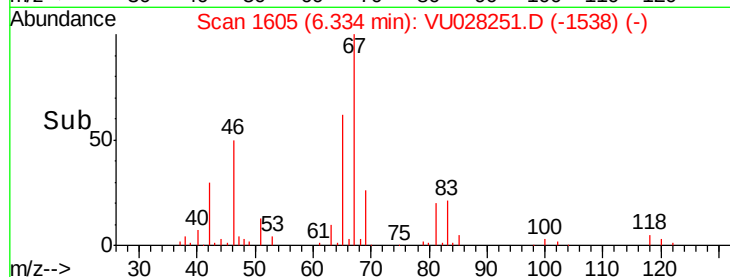
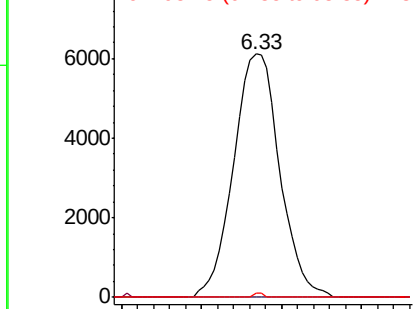
#35
Methylcyclohexane
Concen: 0.782 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028251.D
Acq: 19 Nov 2018 13:40

Instrument :
MSVOA_U
ClientSampleId :
H0FK8

Tgt Ion: 83 Resp: 12042
Ion Ratio Lower Upper
83 100
55 0.0 73.2 109.8#
98 0.3 33.4 50.2#

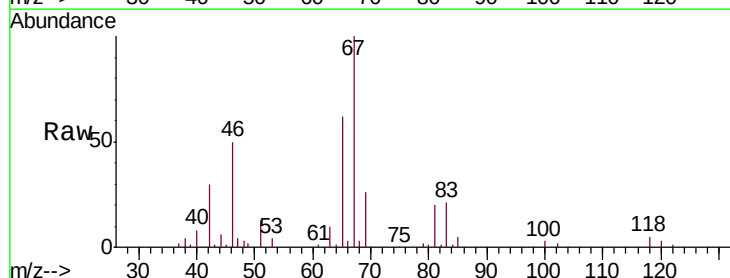


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

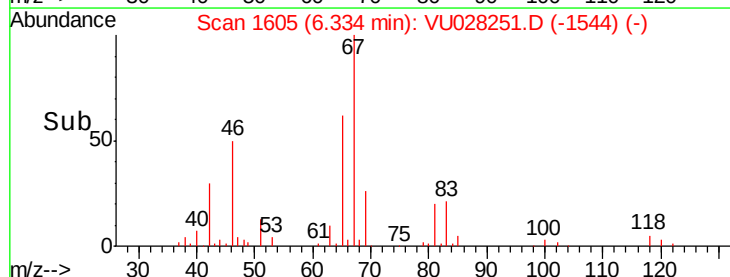
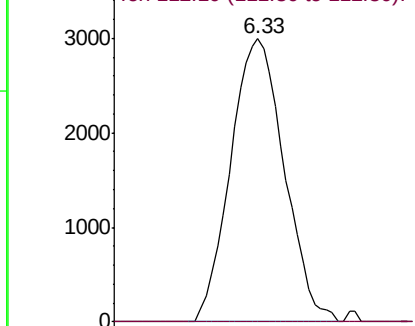


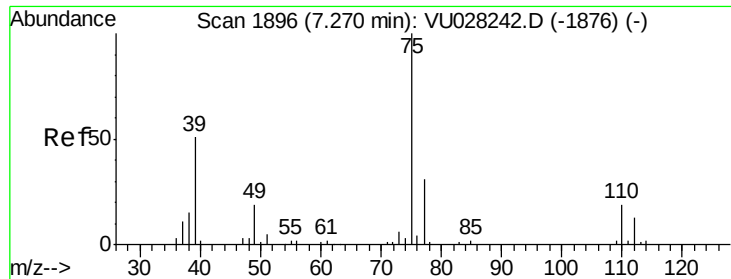
#37
1,2-Dichloropropane
Concen: 0.549 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028251.D
Acq: 19 Nov 2018 13:40

Tgt Ion: 63 Resp: 6254
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

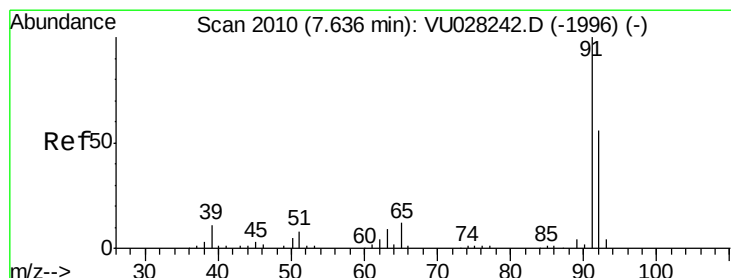
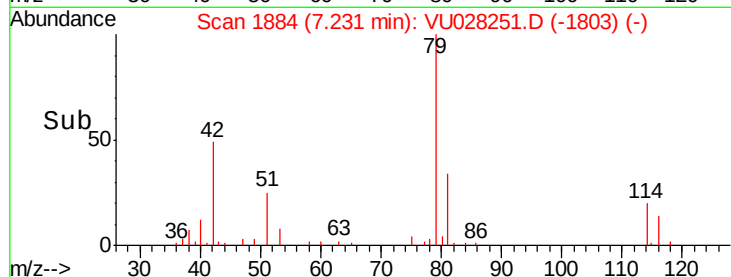
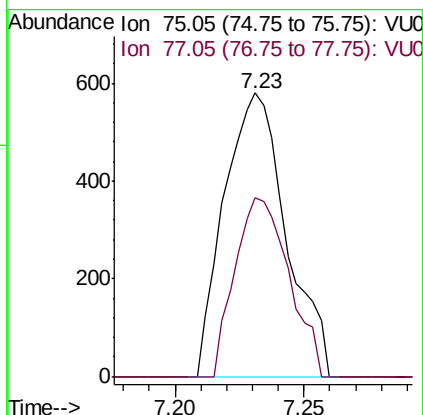
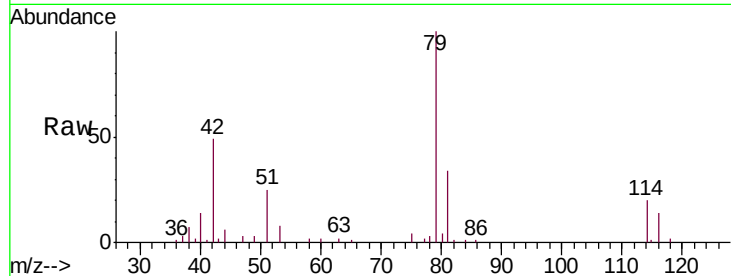




#39
 cis-1,3-Dichloropropene
 Concen: 0.067 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU028251.D
 Acq: 19 Nov 2018 13:40

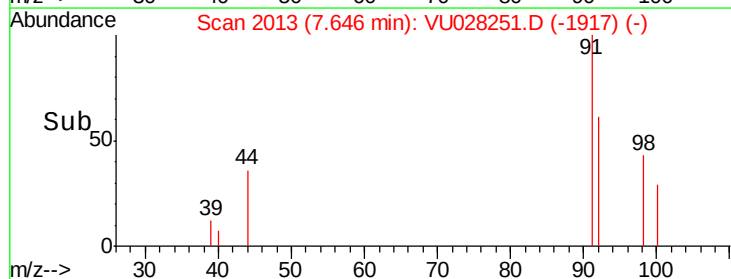
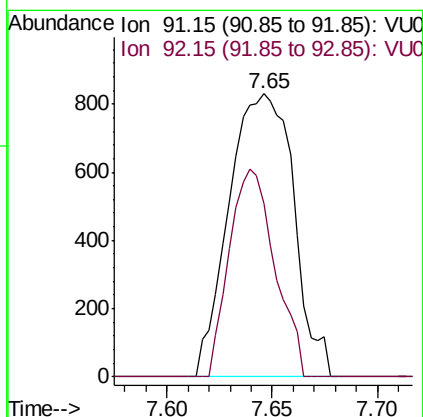
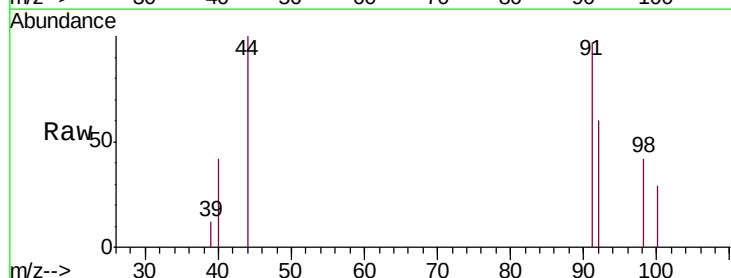
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FK8

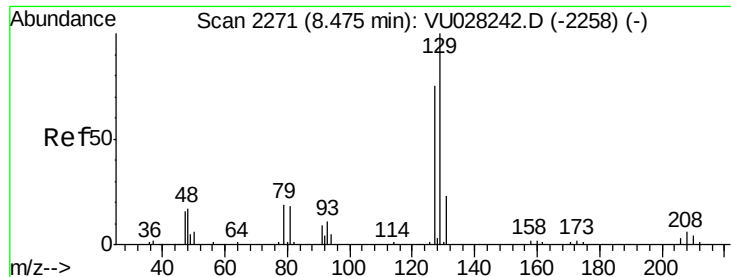
Tgt Ion: 75 Resp: 972
 Ion Ratio Lower Upper
 75 100
 77 62.9 21.7 40.3#



#42
 Toluene
 Concen: 0.044 ug/L
 RT: 7.65 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: VU028251.D
 Acq: 19 Nov 2018 13:40

Tgt Ion: 91 Resp: 1770
 Ion Ratio Lower Upper
 91 100
 92 61.3 39.0 72.4





#49

Dibromochloromethane

Concen: 0.048 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. -0.24 min

Lab File: VU028251.D

Acq: 19 Nov 2018 13:40

Instrument :

MSVOA_U

ClientSampleId :

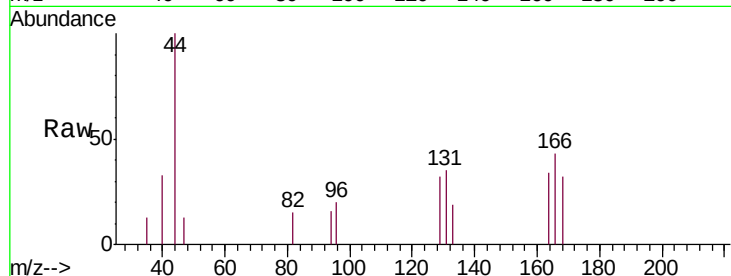
H0FK8

Tgt Ion:129 Resp: 332

Ion Ratio Lower Upper

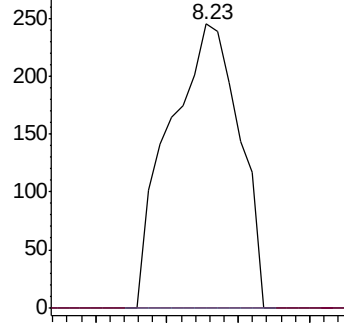
129 100

127 0.0 54.7 101.5#

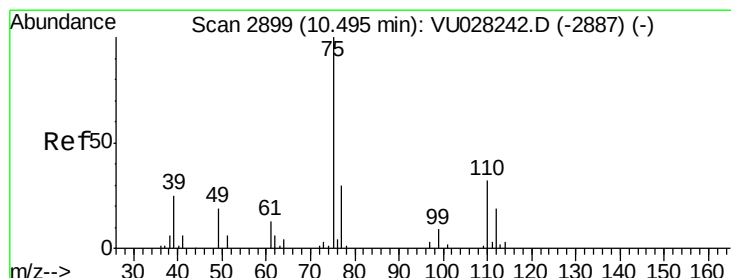
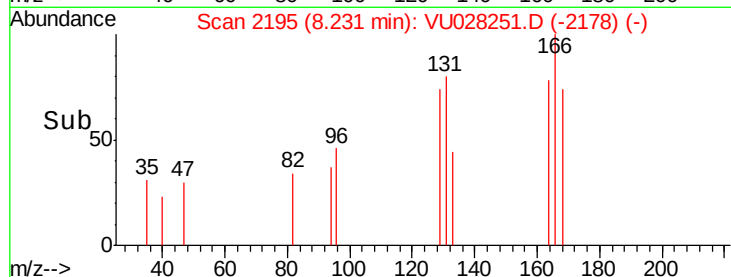


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



Time-->



#59

1,2,3-Trichloropropane

Concen: 1.070 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028251.D

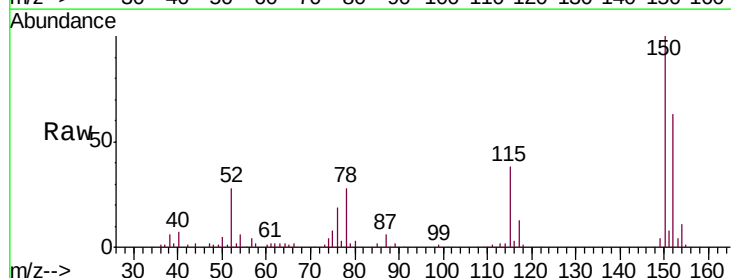
Acq: 19 Nov 2018 13:40

Tgt Ion: 75 Resp: 7048

Ion Ratio Lower Upper

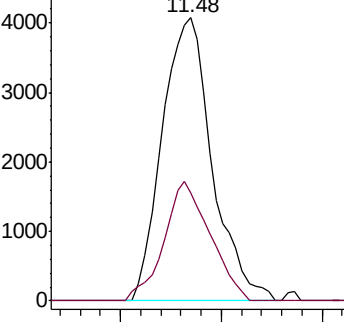
75 100

77 39.0 25.7 38.5#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->

