

Data File : VU028250.D
Acq On : 19 Nov 2018 13:16
Operator : MD/SY
Sample : J5986-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FJ8

Quant Time: Nov 20 07:11:16 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	122588	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	118129	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53607	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42818	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.68	69	38142	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.28	63	64133	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.21	46	151978	49.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.46%
24) Chloroform-d	4.65	84	79006	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.31	65	44961	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.34	84	158231	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.33	67	58807	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.57	98	141470	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.85	79	18014	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.31	63	105783	44.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.44%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	42790	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	51085	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	2672	0.215	ug/L #	1
8) Chloroethane	1.64	64	705	0.096	ug/L #	50
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	502	0.063	ug/L #	21
12) 1,1-Dichloroethene	2.28	96	532	0.070	ug/L #	1
13) Acetone	2.31	43	14678	6.914	ug/L	54
15) Methyl Acetate	2.71	43	12614	2.242	ug/L #	59
17) Methyl tert-butyl Ether	3.01	73	121312	5.351	ug/L	96
19) 1,1-Dichloroethane	3.43	63	785	0.042	ug/L #	80
21) 2-Butanone	4.23	43	3254	0.962	ug/L #	55
22) cis-1,2-Dichloroethene	4.23	96	6228	0.655	ug/L	72
27) 1,2-Dichloroethane	5.34	62	896	0.078	ug/L #	78
30) Cyclohexane	5.08	56	20644	1.185	ug/L #	29
33) Benzene	5.39	78	10741	0.276	ug/L	100
34) Trichloroethene	6.19	95	1253	0.131	ug/L	92
35) Methylcyclohexane	6.34	83	12275	0.816	ug/L #	27
37) 1,2-Dichloropropane	6.34	63	5794	0.521	ug/L #	92
39) cis-1,3-Dichloropropene	7.22	75	1303	0.092	ug/L #	23

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

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

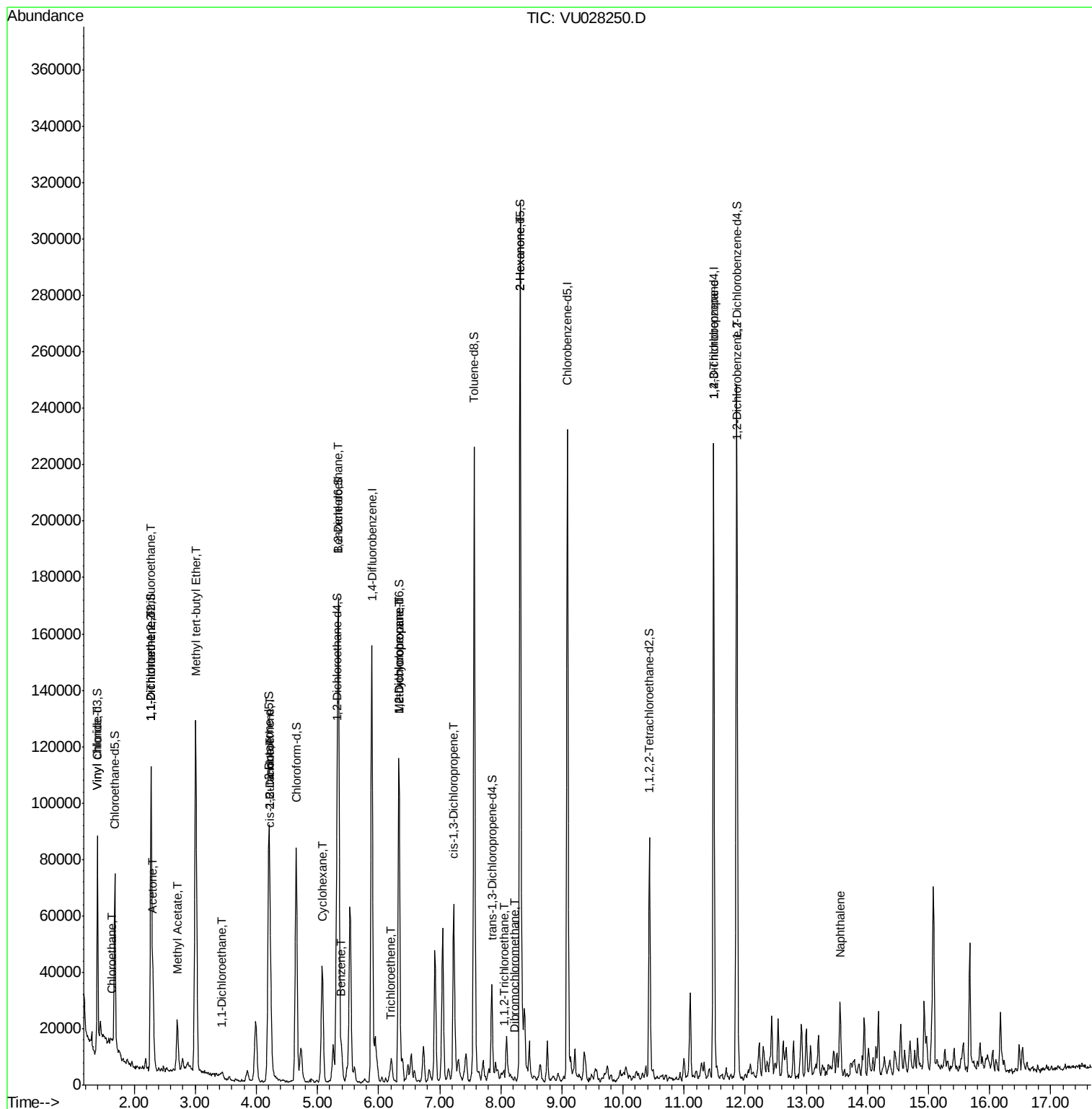
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.05	97	1248	0.186	ug/L #	13
48) 2-Hexanone	8.32	43	13716	2.419	ug/L #	71
49) Dibromochloromethane	8.23	129	395	0.058	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	8110	1.262	ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	948	0.059	ug/L #	67
69) Naphthalene	13.55	128	1568	0.085	ug/L #	1

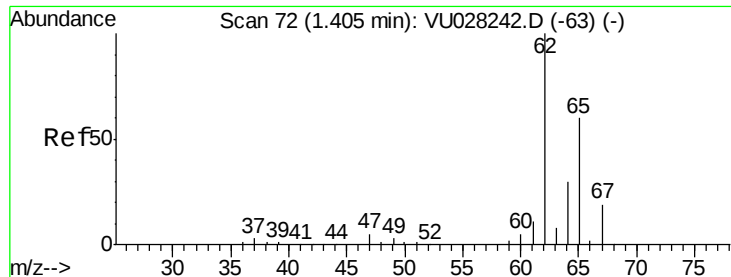
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.215 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028250.D

Acq: 19 Nov 2018 13:16

Instrument :

MSVOA_U

ClientSampleId :

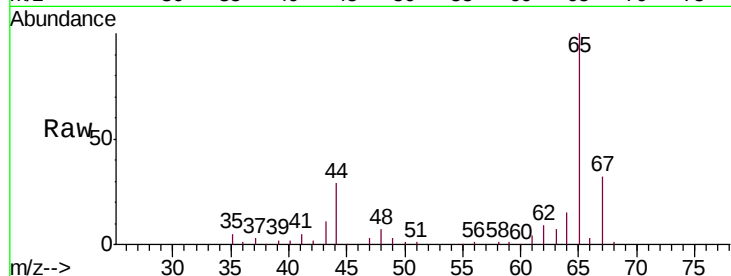
H0FJ8

Tgt Ion: 62 Resp: 2672

Ion Ratio Lower Upper

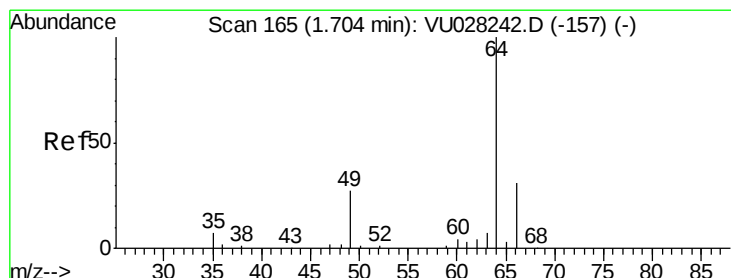
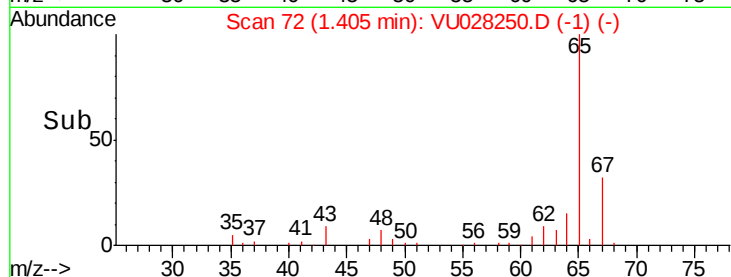
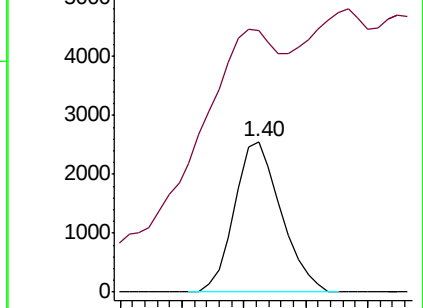
62 100

64 173.7 21.7 40.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.096 ug/L

RT: 1.64 min Scan# 146

Delta R.T. -0.06 min

Lab File: VU028250.D

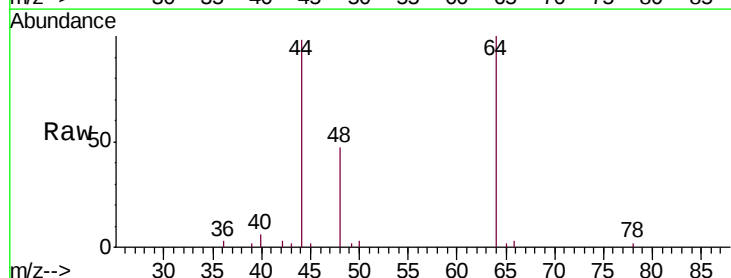
Acq: 19 Nov 2018 13:16

Tgt Ion: 64 Resp: 705

Ion Ratio Lower Upper

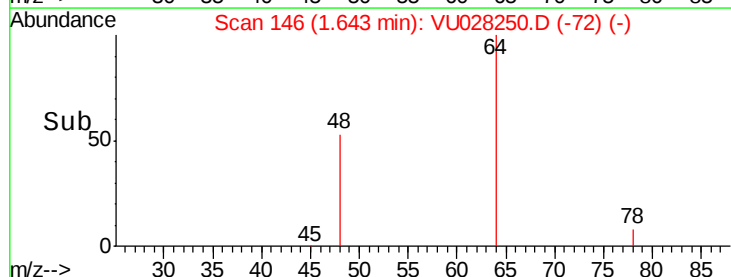
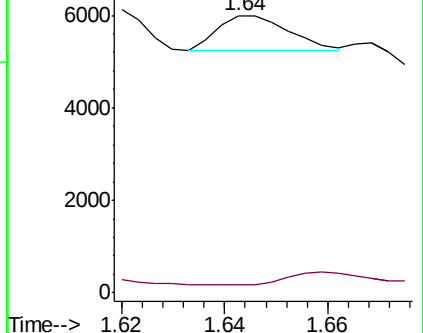
64 100

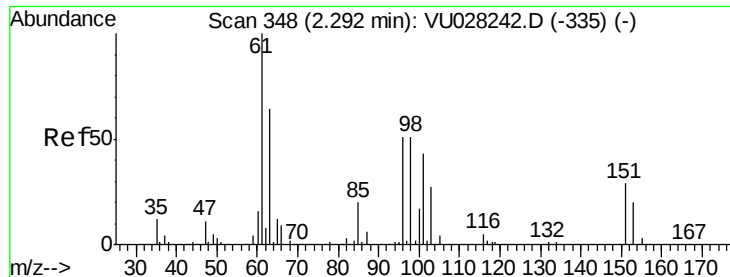
66 2.9 20.7 38.5#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.063 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028250.D

Acq: 19 Nov 2018 13:16

Instrument :

MSVOA_U

ClientSampleId :

H0FJ8

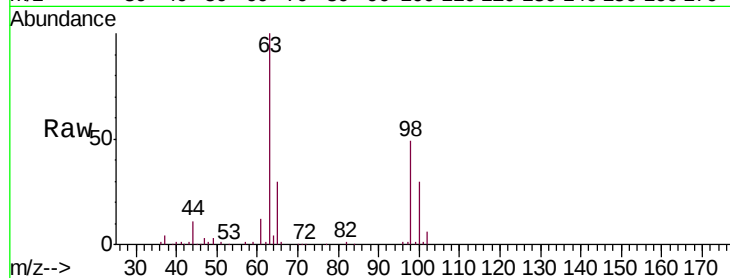
Tgt Ion: 101 Resp: 502

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

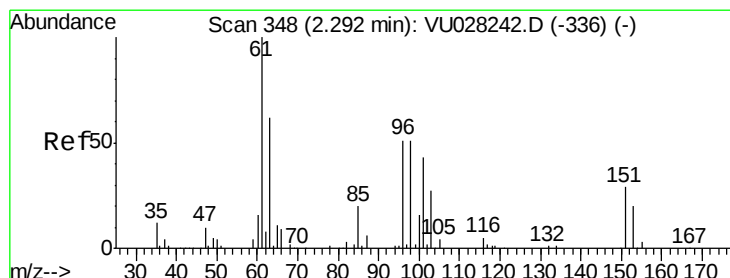
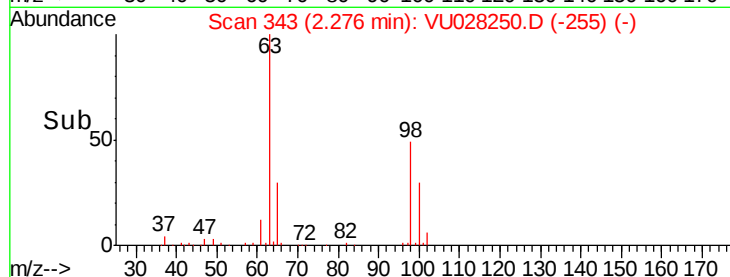
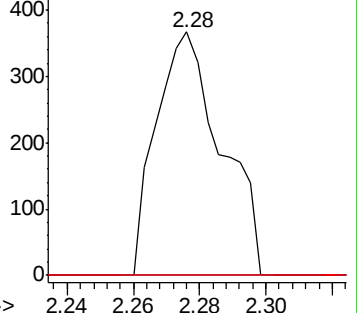
151 0.0 55.0 82.4#



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



#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU028250.D

Acq: 19 Nov 2018 13:16

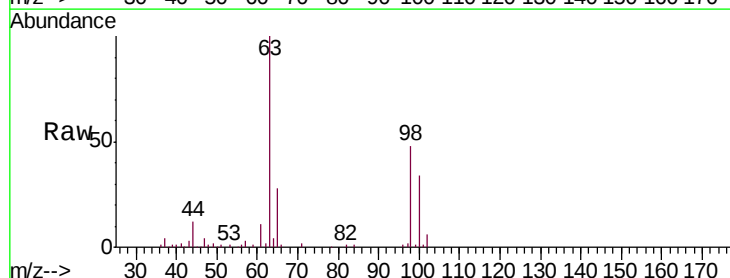
Tgt Ion: 96 Resp: 532

Ion Ratio Lower Upper

96 100

61 1066.2 145.5 270.1#

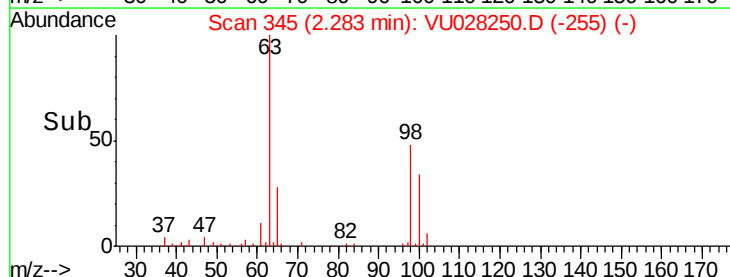
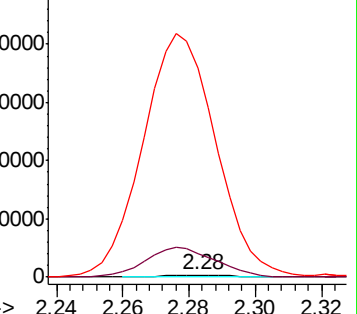
63 9405.2 98.6 183.2#

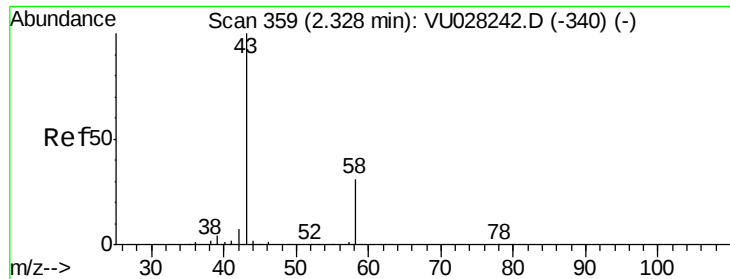


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.914 ug/L

RT: 2.31 min Scan# 353

Delta R.T. -0.02 min

Lab File: VU028250.D

Acq: 19 Nov 2018 13:16

Instrument :

MSVOA_U

ClientSampleId :

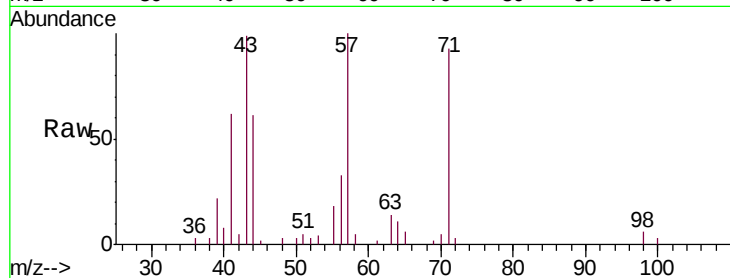
H0FJ8

Tgt Ion: 43 Resp: 14678

Ion Ratio Lower Upper

43 100

58 4.6 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.31

8000

6000

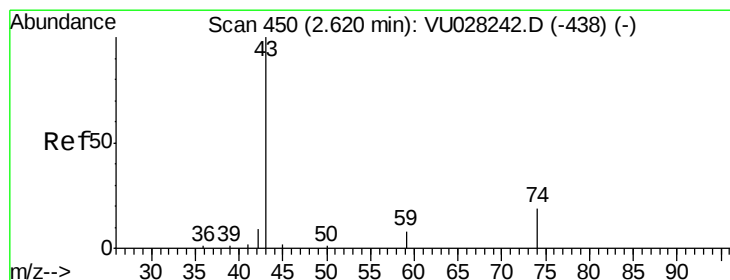
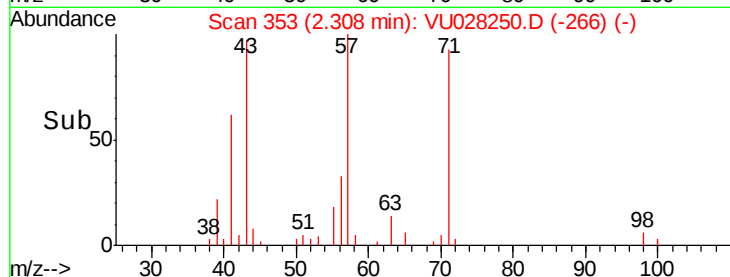
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#15

Methyl Acetate

Concen: 2.242 ug/L

RT: 2.71 min Scan# 478

Delta R.T. 0.09 min

Lab File: VU028250.D

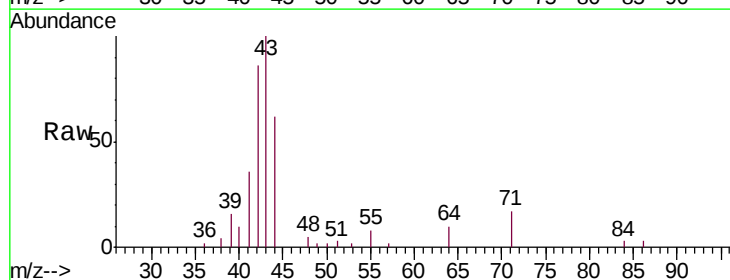
Acq: 19 Nov 2018 13:16

Tgt Ion: 43 Resp: 12614

Ion Ratio Lower Upper

43 100

74 0.0 14.7 22.1#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.71

6000

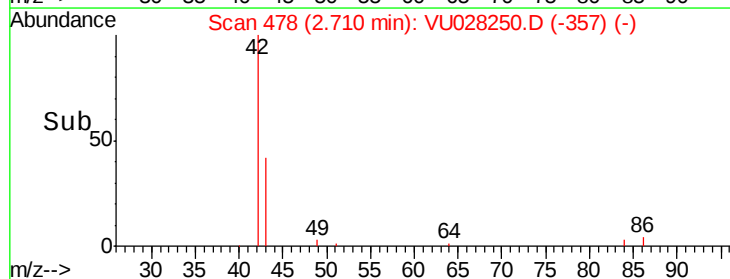
4000

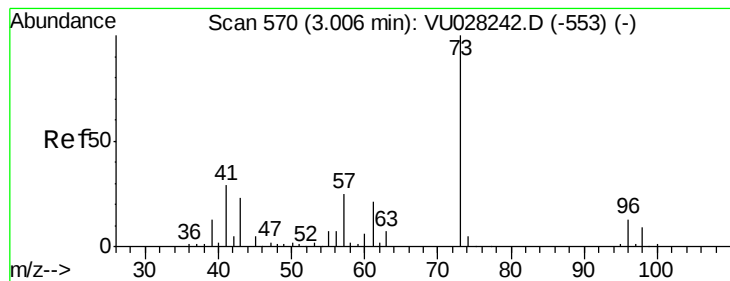
2000

0

Time-->

2.65 2.70 2.75





#17

Methyl tert-butyl Ether

Concen: 5.351 ug/L

RT: 3.01 min Scan# 571

Delta R.T. 0.00 min

Lab File: VU028250.D

Acq: 19 Nov 2018 13:16

Instrument :

MSVOA_U

ClientSampleId :

H0FJ8

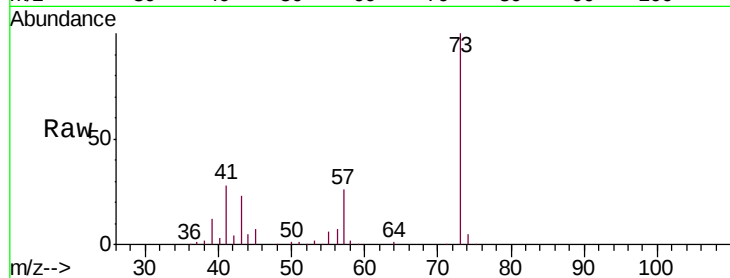
Tgt Ion: 73 Resp: 121312

Ion Ratio Lower Upper

73 100

43 22.9 18.8 28.2

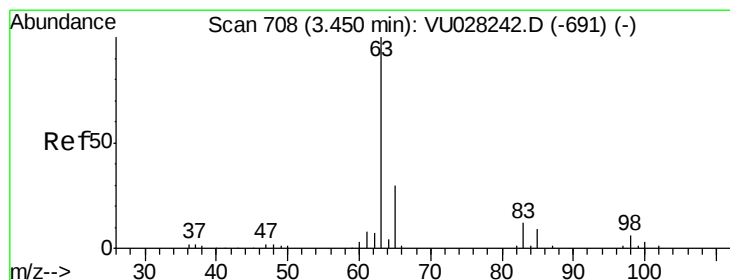
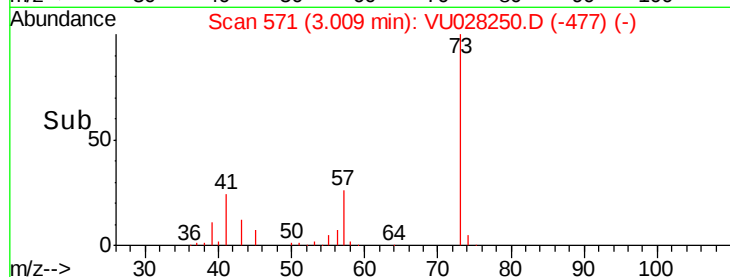
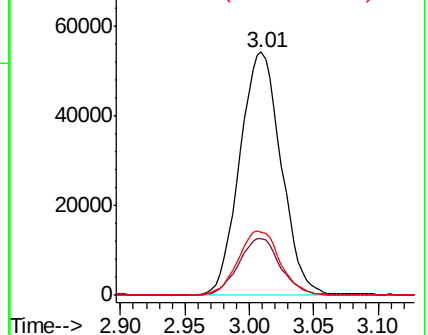
57 27.0 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VU028250.D (-477) (-)

Ion 43.05 (42.75 to 43.75): VU028250.D (-477) (-)

Ion 57.10 (56.80 to 57.80): VU028250.D (-477) (-)



#19

1,1-Dichloroethane

Concen: 0.042 ug/L

RT: 3.43 min Scan# 703

Delta R.T. -0.02 min

Lab File: VU028250.D

Acq: 19 Nov 2018 13:16

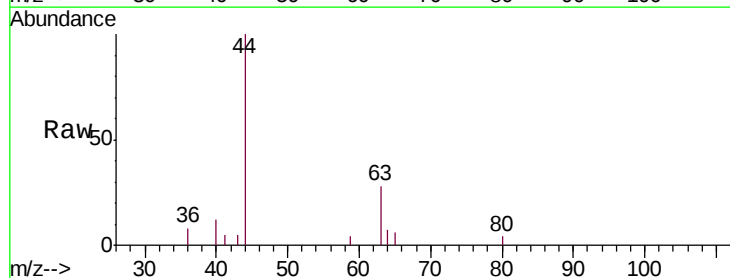
Tgt Ion: 63 Resp: 785

Ion Ratio Lower Upper

63 100

65 22.1 21.2 39.4

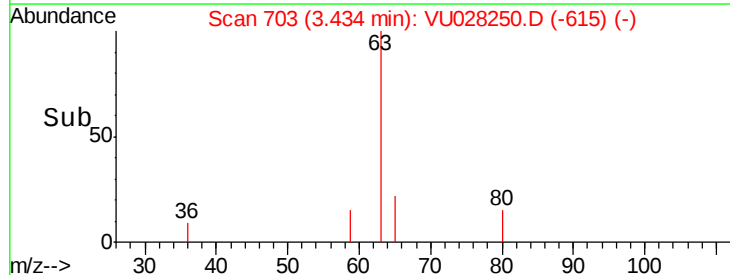
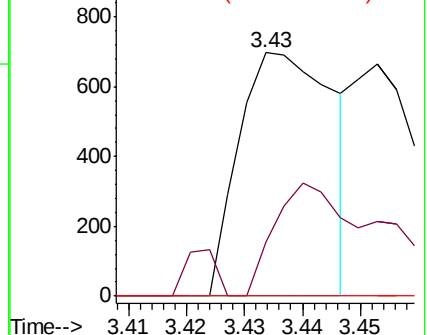
83 0.0 8.8 16.4#

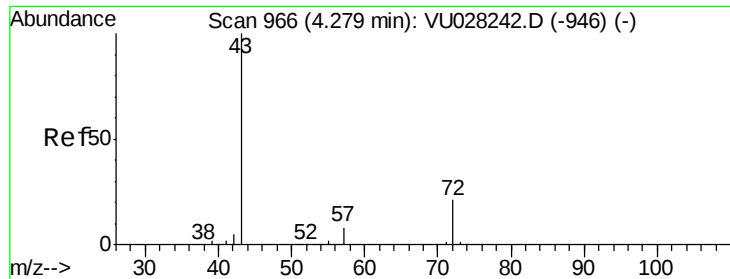


Abundance Ion 63.10 (62.80 to 63.80): VU028250.D (-615) (-)

Ion 65.10 (64.80 to 65.80): VU028250.D (-615) (-)

Ion 83.05 (82.75 to 83.75): VU028250.D (-615) (-)





#21

2-Butanone

Concen: 0.962 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.05 min

Lab File: VU028250.D

Acq: 19 Nov 2018 13:16

Instrument :

MSVOA_U

ClientSampleId :

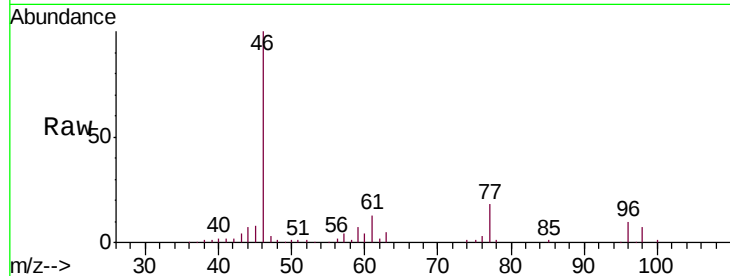
H0FJ8

Tgt Ion: 43 Resp: 3254

Ion Ratio Lower Upper

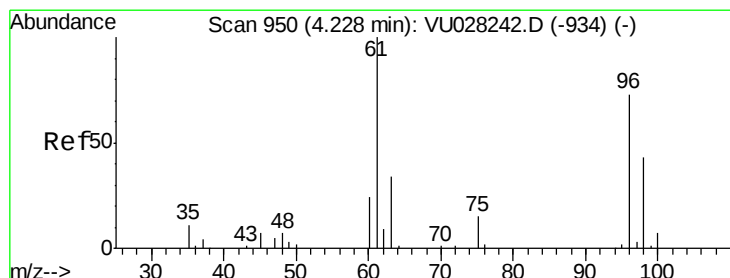
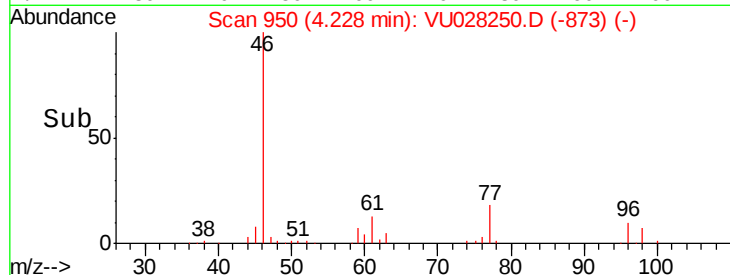
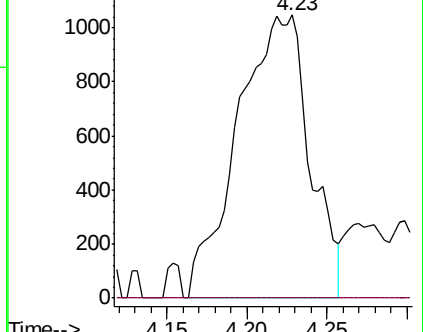
43 100

72 0.0 10.7 32.1#



Abundance Ion 43.05 (42.75 to 43.75): VU028242.D (-946) (-)

Ion 72.10 (71.80 to 72.80): VU028242.D (-946) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.655 ug/L

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU028250.D

Acq: 19 Nov 2018 13:16

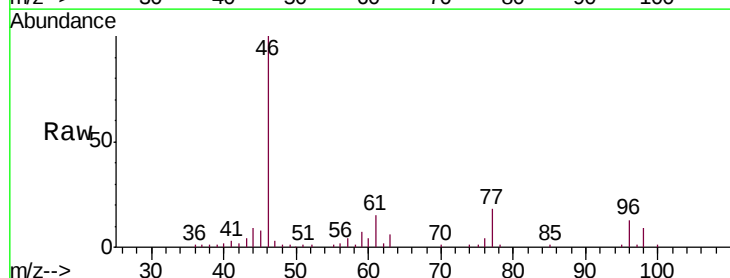
Tgt Ion: 96 Resp: 6228

Ion Ratio Lower Upper

96 100

61 118.7 108.0 200.6

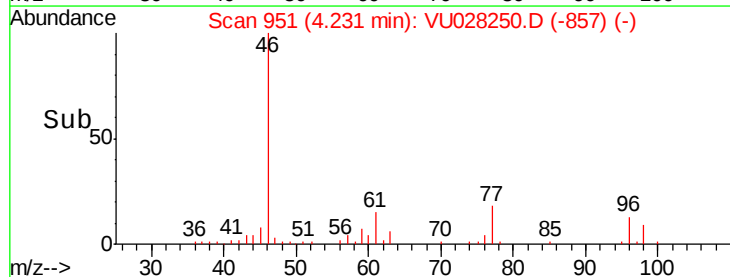
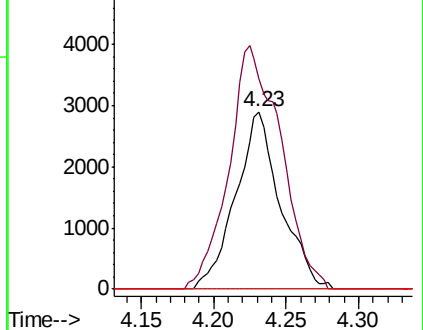
68 0.0 0.0 0.0

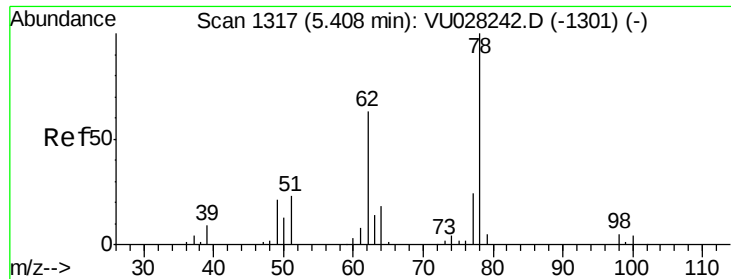


Abundance Ion 96.00 (95.70 to 96.70): VU028250.D (-857) (-)

Ion 61.05 (60.75 to 61.75): VU028250.D (-857) (-)

Ion 68.15 (67.85 to 68.85): VU028250.D (-857) (-)

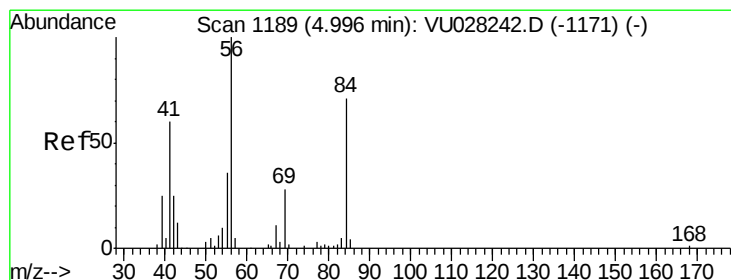
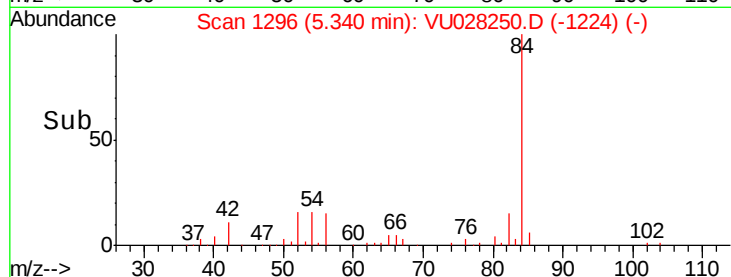
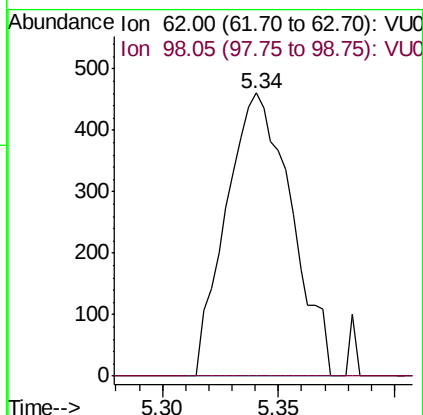
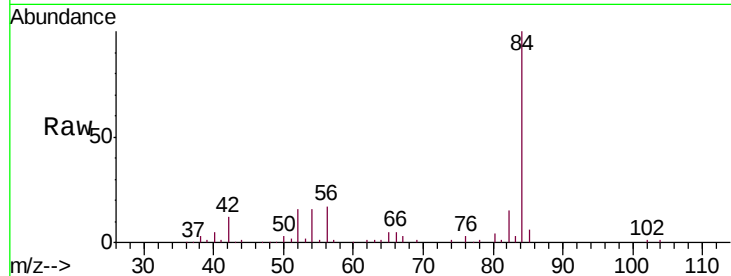




#27
 1,2-Dichloroethane
 Concen: 0.078 ug/L
 RT: 5.34 min Scan# 1296
 Delta R.T. -0.07 min
 Lab File: VU028250.D
 Acq: 19 Nov 2018 13:16

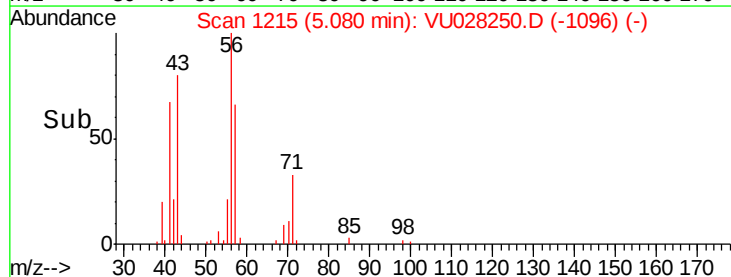
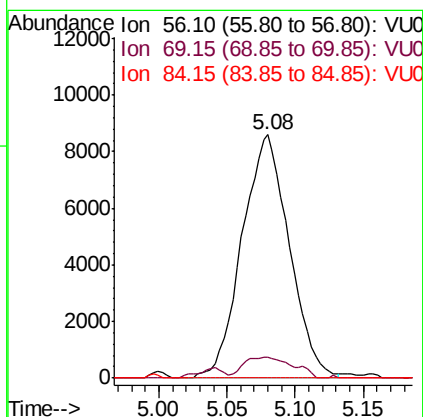
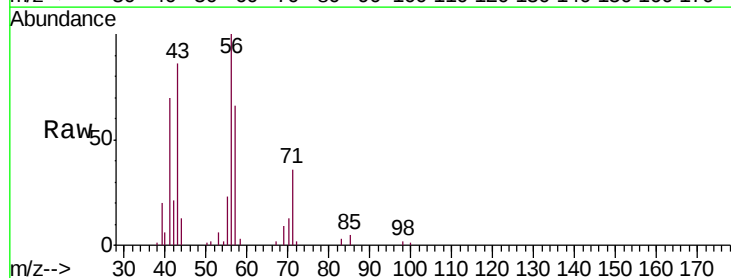
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ8

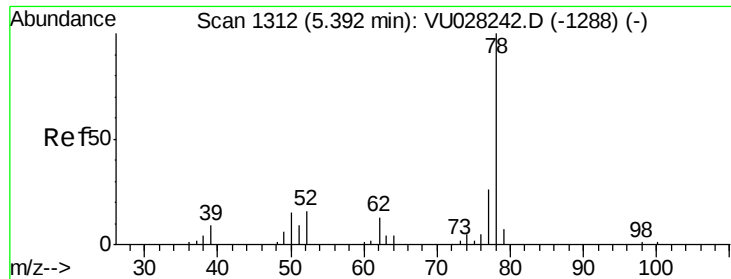
Tgt Ion: 62 Resp: 896
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.2 9.4#



#30
 Cyclohexane
 Concen: 1.185 ug/L
 RT: 5.08 min Scan# 1215
 Delta R.T. 0.08 min
 Lab File: VU028250.D
 Acq: 19 Nov 2018 13:16

Tgt Ion: 56 Resp: 20644
 Ion Ratio Lower Upper
 56 100
 69 8.9 22.0 33.0#
 84 0.0 56.0 84.0#





#33

Benzene

Concen: 0.276 ug/L

RT: 5.39 min Scan# 1312

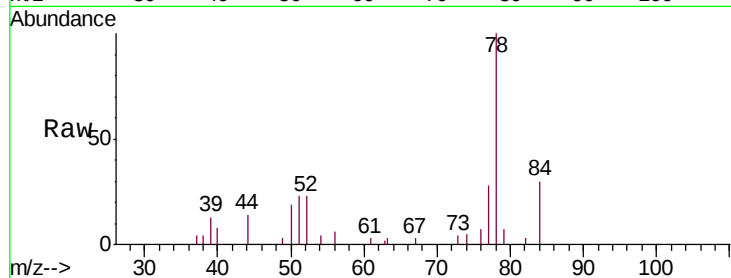
Delta R.T. -0.00 min

Lab File: VU028250.D

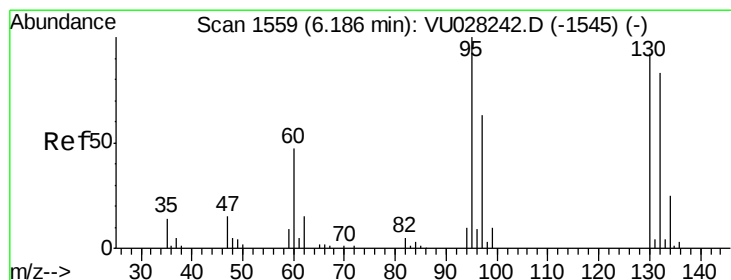
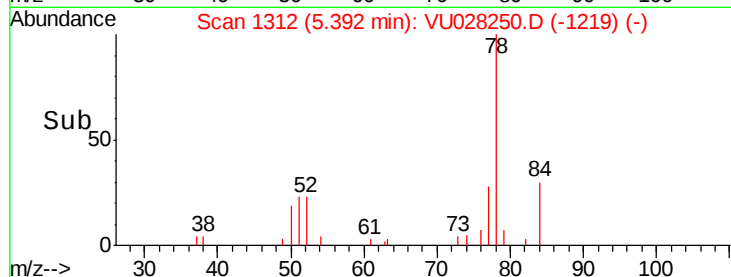
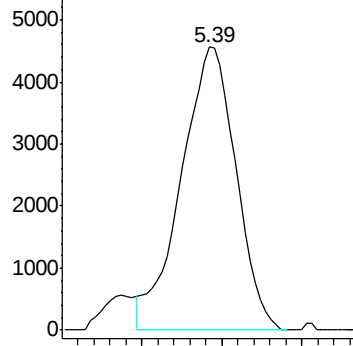
Acq: 19 Nov 2018 13:16

Instrument :
MSVOA_U
ClientSampleId :
H0FJ8

Tgt Ion: 78 Resp: 10741



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.131 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU028250.D

Acq: 19 Nov 2018 13:16

Tgt Ion: 95 Resp: 1253

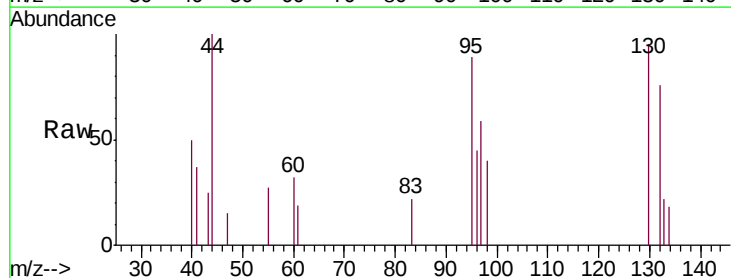
Ion	Ratio	Lower	Upper
95	100		
97	66.9	46.5	86.3
132	85.3	58.9	109.3
130	107.0	61.3	113.9

95 100

97 66.9 46.5 86.3

132 85.3 58.9 109.3

130 107.0 61.3 113.9

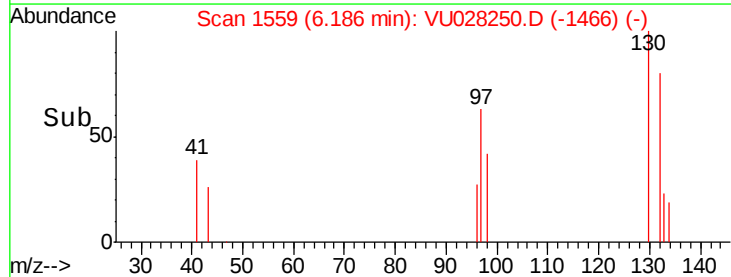
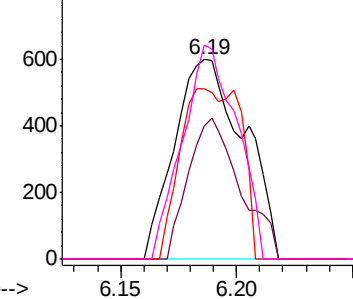


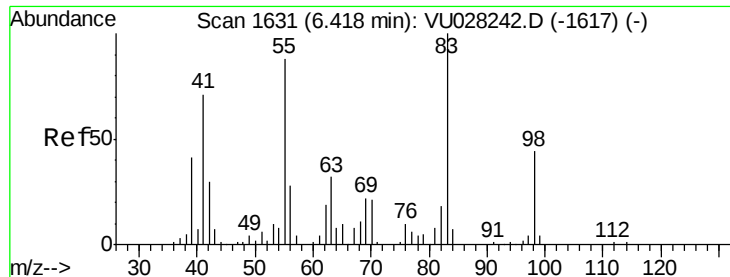
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

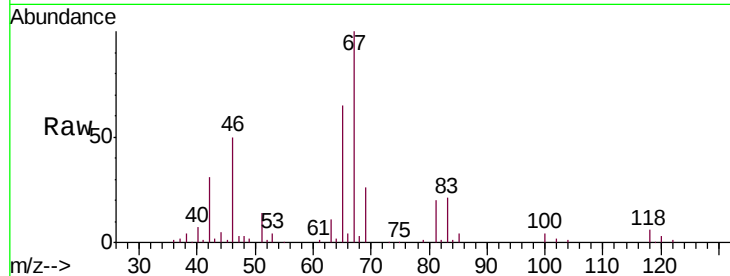




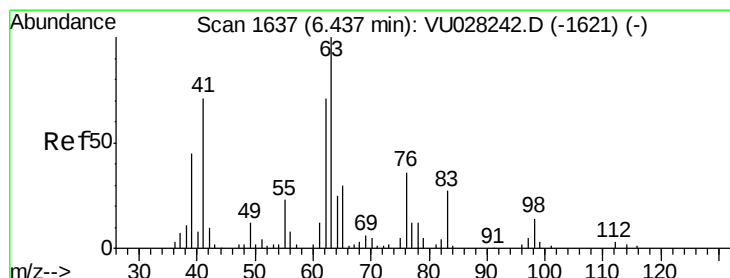
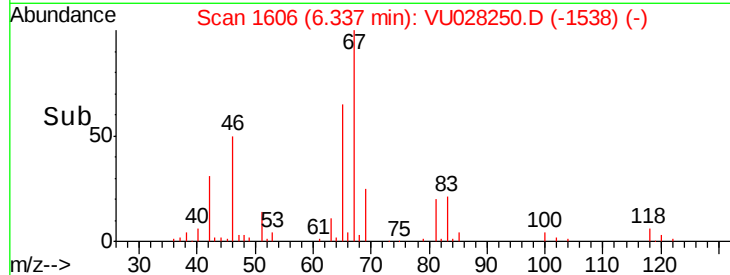
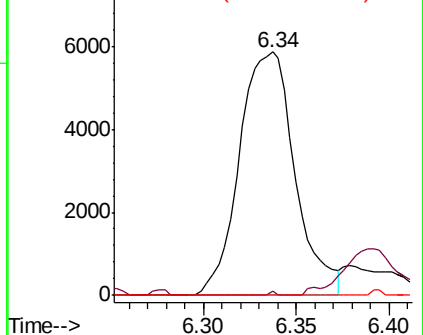
#35
Methylcyclohexane
Concen: 0.816 ug/L
RT: 6.34 min Scan# 1606
Delta R.T. -0.08 min
Lab File: VU028250.D
Acq: 19 Nov 2018 13:16

Instrument :
MSVOA_U
ClientSampleId :
H0FJ8

Tgt Ion: 83 Resp: 12275
Ion Ratio Lower Upper
83 100
55 18.9 73.2 109.8#
98 0.4 33.4 50.2#

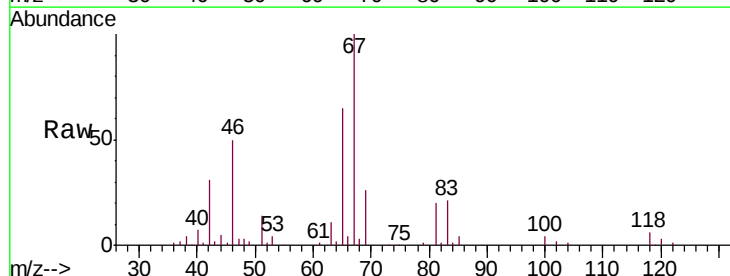


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

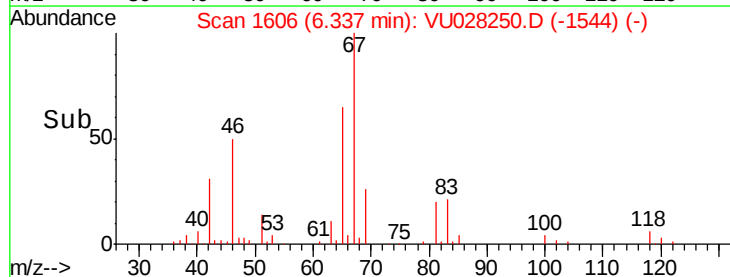
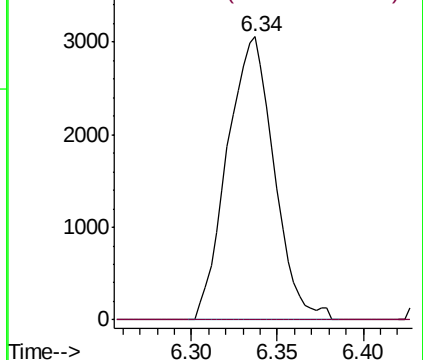


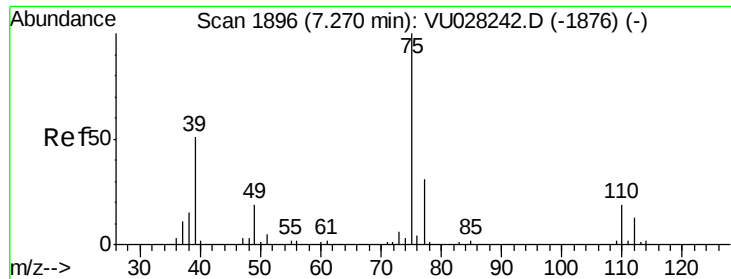
#37
1,2-Dichloropropane
Concen: 0.521 ug/L
RT: 6.34 min Scan# 1606
Delta R.T. -0.10 min
Lab File: VU028250.D
Acq: 19 Nov 2018 13:16

Tgt Ion: 63 Resp: 5794
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

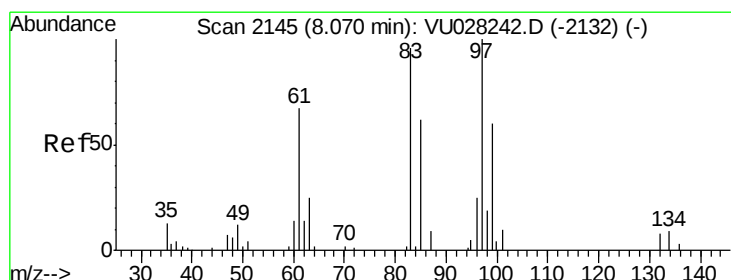
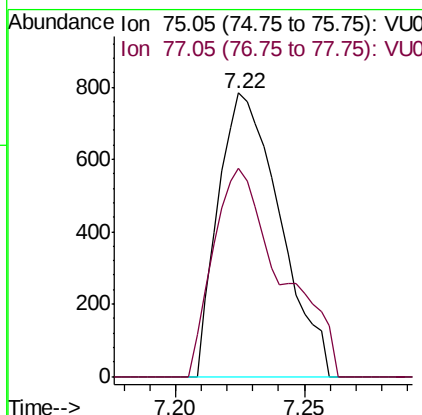
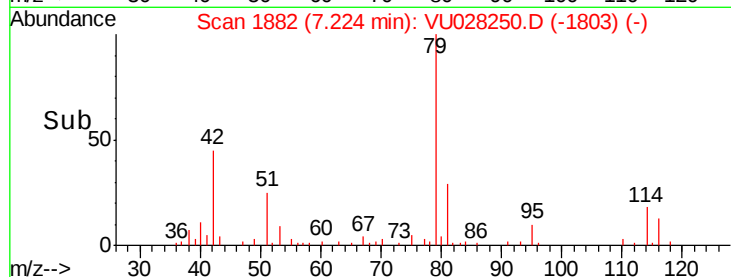
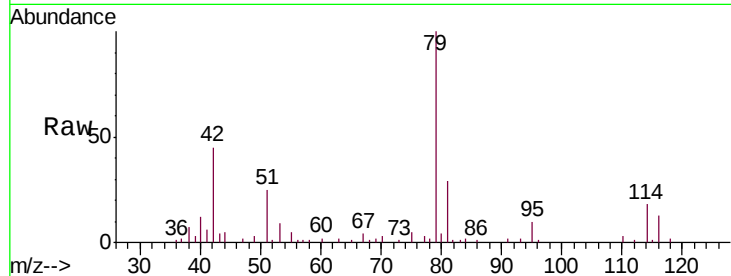




#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.05 min
 Lab File: VU028250.D
 Acq: 19 Nov 2018 13:16

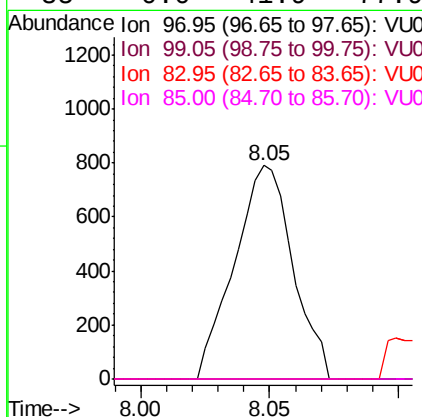
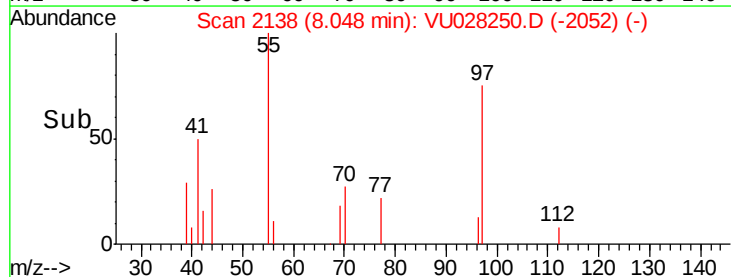
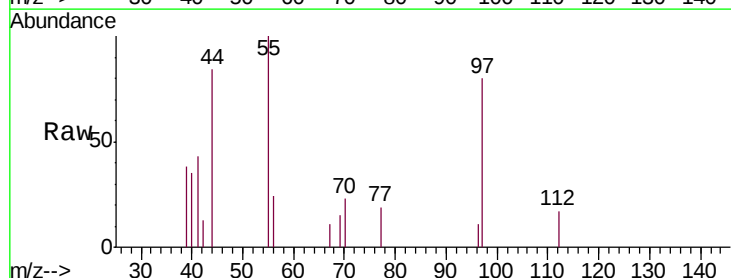
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ8

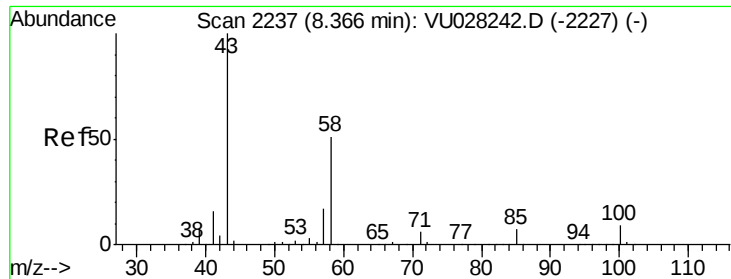
Tgt Ion: 75 Resp: 1303
 Ion Ratio Lower Upper
 75 100
 77 73.6 21.7 40.3#



#45
 1,1,2-Trichloroethane
 Concen: 0.186 ug/L
 RT: 8.05 min Scan# 2138
 Delta R.T. -0.02 min
 Lab File: VU028250.D
 Acq: 19 Nov 2018 13:16

Tgt Ion: 97 Resp: 1248
 Ion Ratio Lower Upper
 97 100
 99 0.0 44.2 82.0#
 83 0.0 63.3 117.5#
 85 0.0 41.9 77.9#

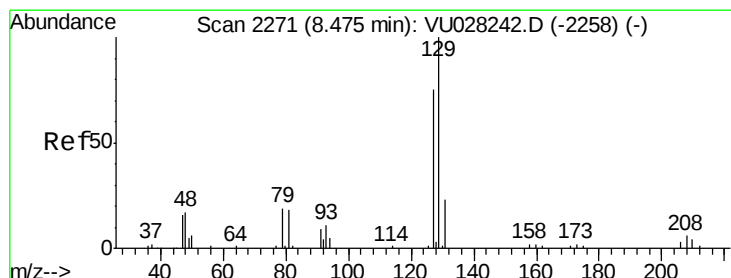
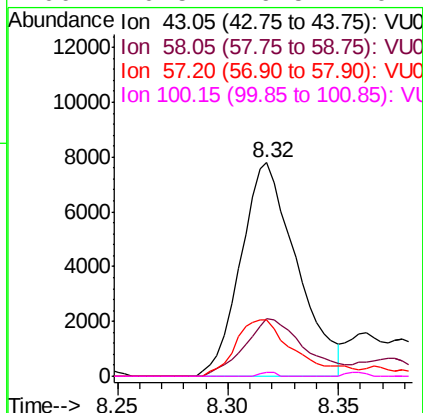
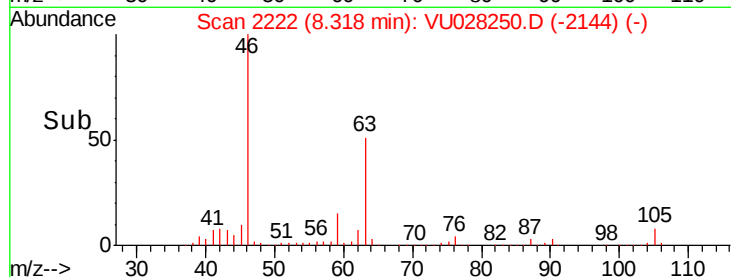
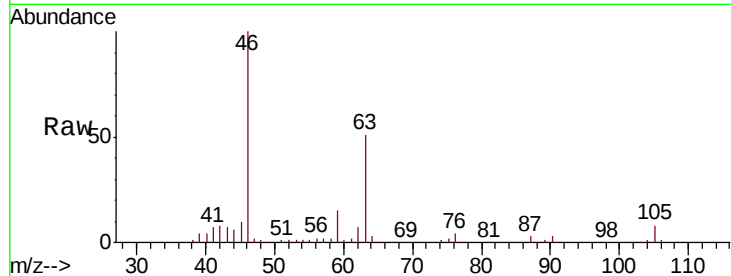




#48
2-Hexanone
Concen: 2.419 ug/L
RT: 8.32 min Scan# 2222
Delta R.T. -0.05 min
Lab File: VU028250.D
Acq: 19 Nov 2018 13:16

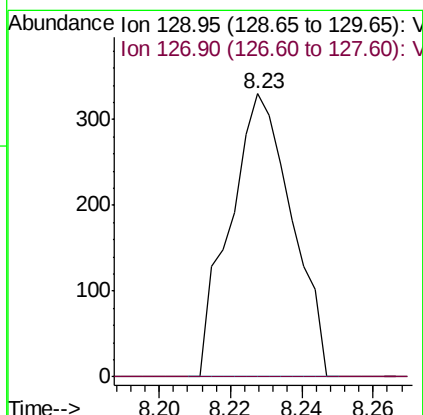
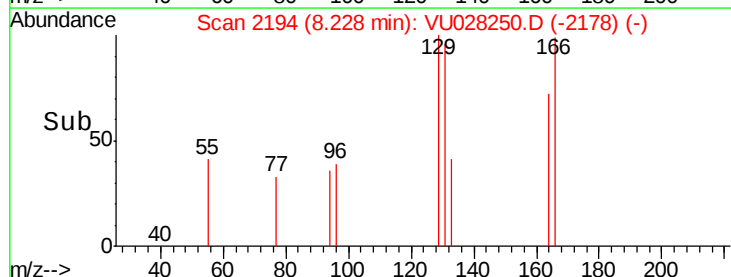
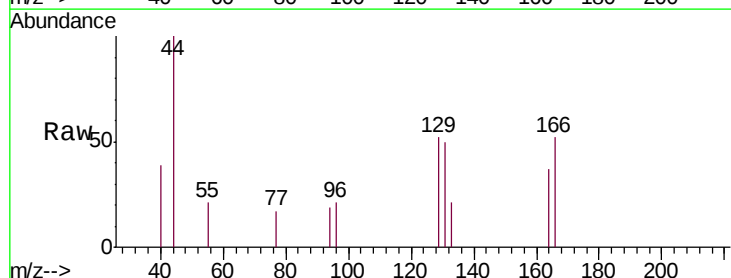
Instrument :
MSVOA_U
ClientSampleId :
H0FJ8

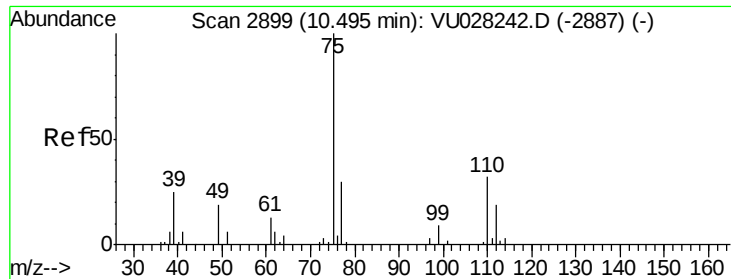
Tgt Ion: 43 Resp: 13716
Ion Ratio Lower Upper
43 100
58 28.9 41.1 61.7#
57 28.2 13.8 20.8#
100 0.5 6.5 9.7#



#49
Dibromochloromethane
Concen: 0.058 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU028250.D
Acq: 19 Nov 2018 13:16

Tgt Ion: 129 Resp: 395
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.5#

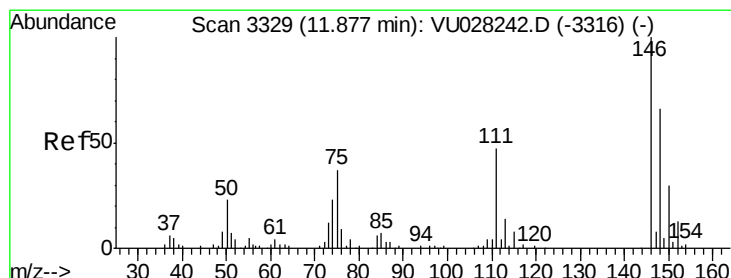
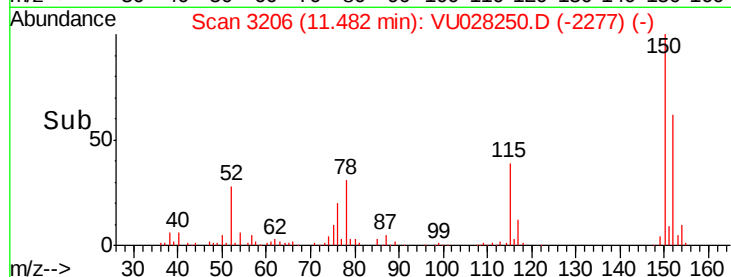
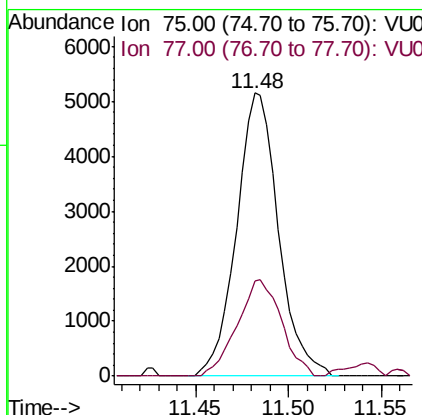
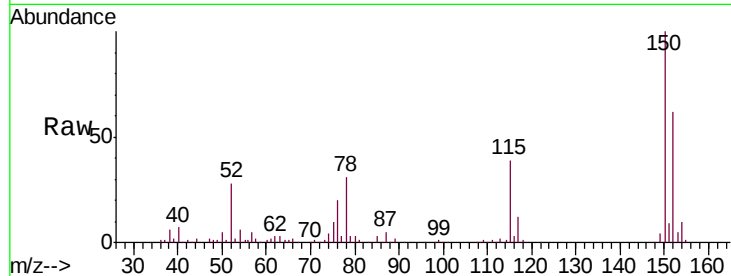




#59
 1,2,3-Trichloropropane
 Concen: 1.262 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028250.D
 Acq: 19 Nov 2018 13:16

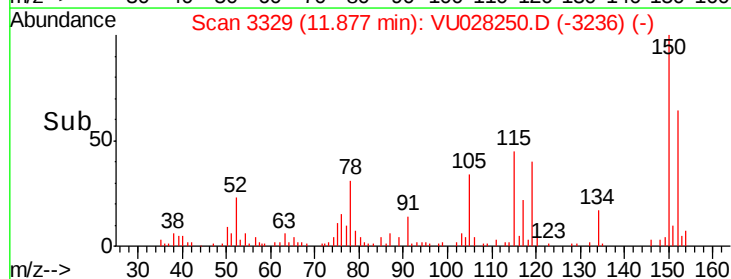
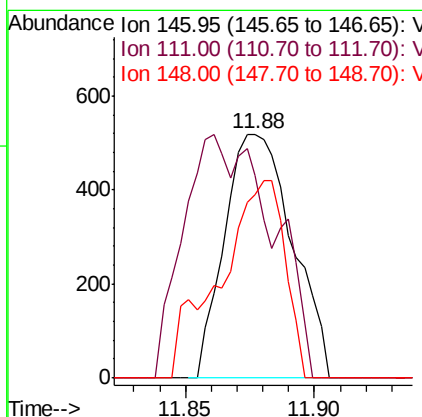
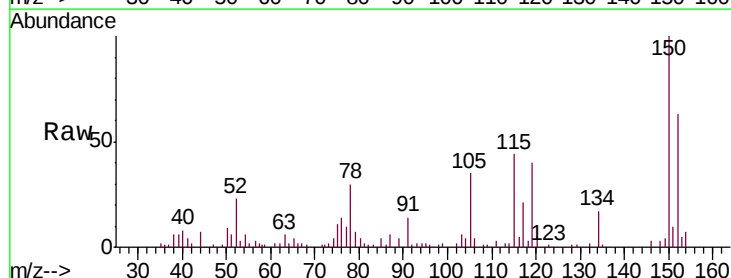
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FJ8

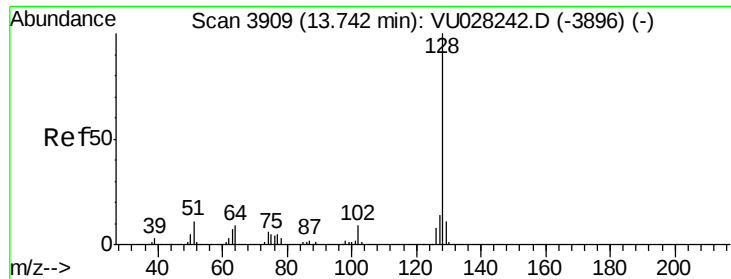
Tgt Ion: 75 Resp: 8110
 Ion Ratio Lower Upper
 75 100
 77 35.8 25.7 38.5



#65
 1,2-Dichlorobenzene
 Concen: 0.059 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028250.D
 Acq: 19 Nov 2018 13:16

Tgt Ion: 146 Resp: 948
 Ion Ratio Lower Upper
 146 100
 111 83.2 34.7 52.1#
 148 75.1 51.2 76.8





#69

Naphthalene

Concen: 0.085 ug/L

RT: 13.55 min Scan# 3849

Delta R.T. -0.19 min

Lab File: VU028250.D

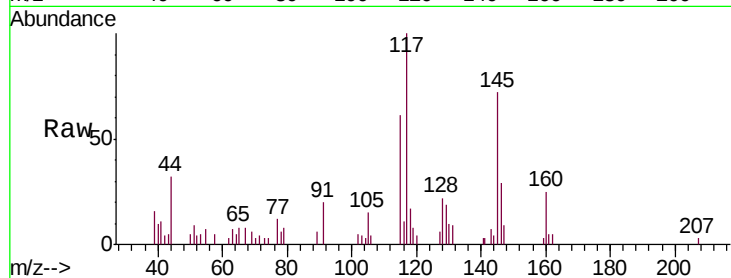
Acq: 19 Nov 2018 13:16

Instrument :

MSVOA_U

ClientSampleId :

H0FJ8



Tgt Ion:128 Resp: 1568

Ion Ratio Lower Upper

128 100

129 99.8 8.6 12.8#

127 19.5 10.7 16.1#

