

Data File : VU028313.D
Acq On : 21 Nov 2018 12:40
Operator : MD/SY
Sample : J6026-12 MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FM0MS

Quant Time: Nov 21 22:37:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 22:33:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	173072	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	164670	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	73313	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67451	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.68	69	52932	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.28	63	132348	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	4.19	46	200934	46.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.20%
24) Chloroform-d	4.65	84	109526	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	5.31	65	63225	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.34	84	227701	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.33	67	83142	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.56	98	200672	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	7.85	79	29939	5.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	109.00%
46) 2-Hexanone-d5	8.31	63	139634	42.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57898	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	65107	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	1487	0.080 ug/L	89
5) Vinyl chloride	1.40	62	19705	1.122 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	779	0.069 ug/L #	23
12) 1,1-Dichloroethene	2.29	96	54435	5.109 ug/L	95
13) Acetone	2.32	43	1992	0.665 ug/L	71
17) Methyl tert-butyl Ether	3.01	73	70108	2.190 ug/L	96
18) trans-1,2-Dichloroethene	2.98	96	36790	3.241 ug/L	99
19) 1,1-Dichloroethane	3.45	63	10659	0.405 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	352222	26.255 ug/L	99
27) 1,2-Dichloroethane	5.39	62	2729	0.168 ug/L #	78
33) Benzene	5.39	78	273714	5.038 ug/L	100
34) Trichloroethene	6.18	95	287270	21.597 ug/L	98
35) Methylcyclohexane	6.33	83	16607	0.792 ug/L #	13
37) 1,2-Dichloropropane	6.33	63	8542	0.551 ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	2019	0.103 ug/L	85
42) Toluene	7.64	91	279610	5.077 ug/L	99
48) 2-Hexanone	8.36	43	2710	0.343 ug/L #	78

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112118\
Quantitation Report (Not Reviewed)

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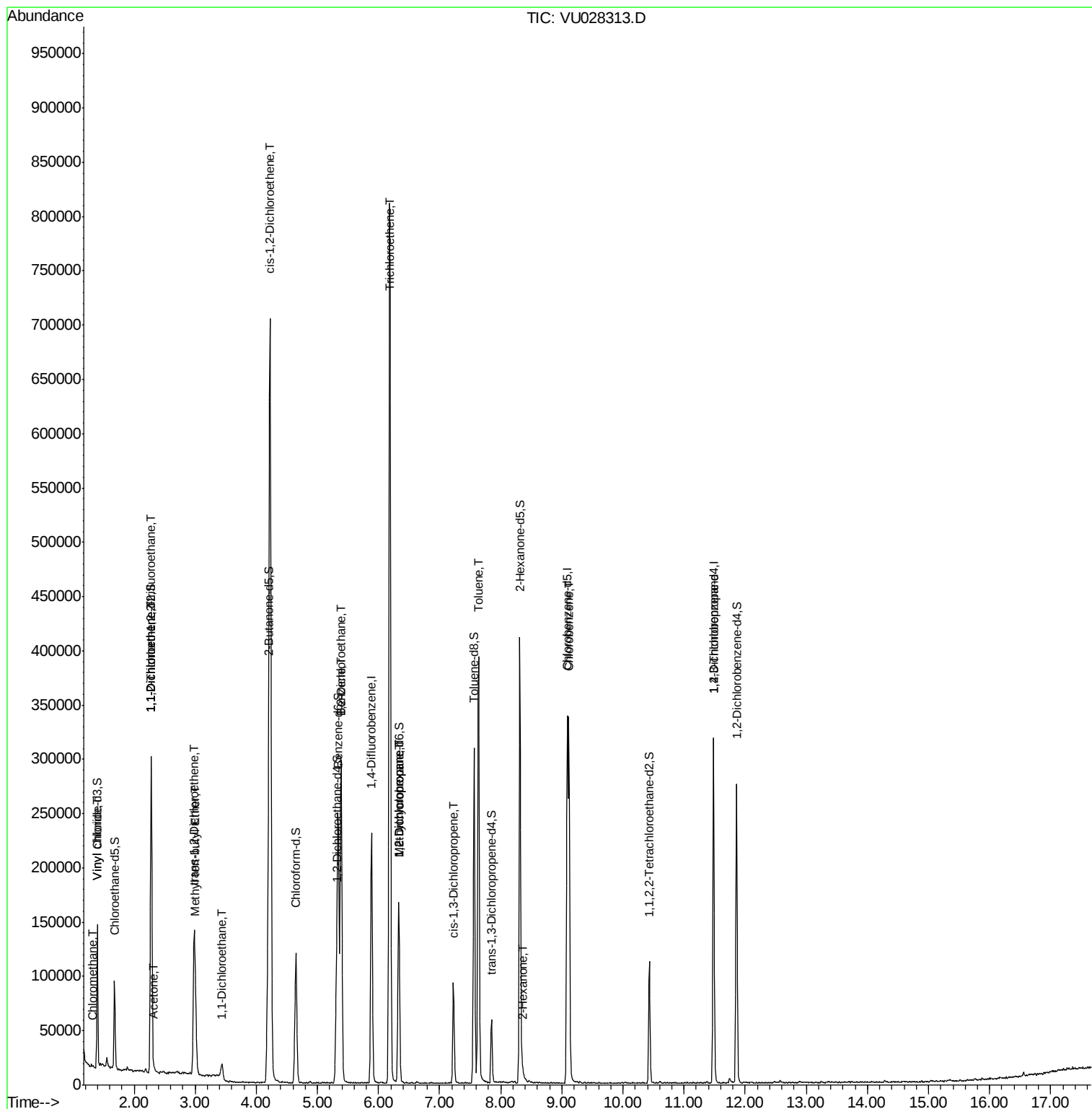
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.12	112	155417	4.901	ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	11897	1.328	ug/L	96

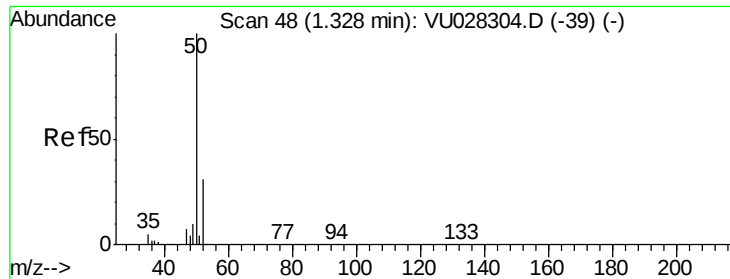
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.080 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Instrument :

MSVOA_U

ClientSampleId :

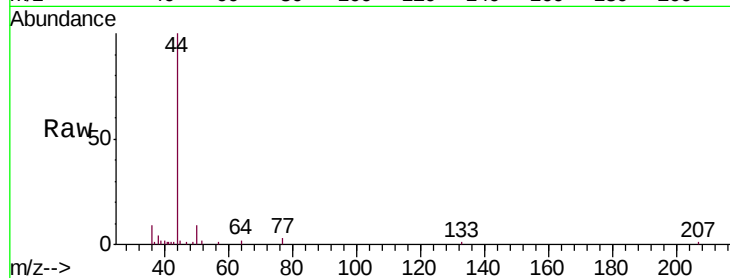
H0FM0MS

Tgt Ion: 50 Resp: 1487

Ion Ratio Lower Upper

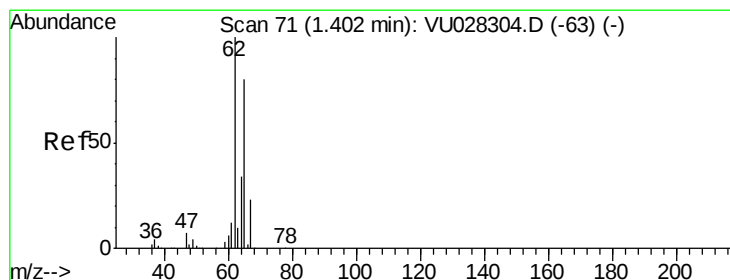
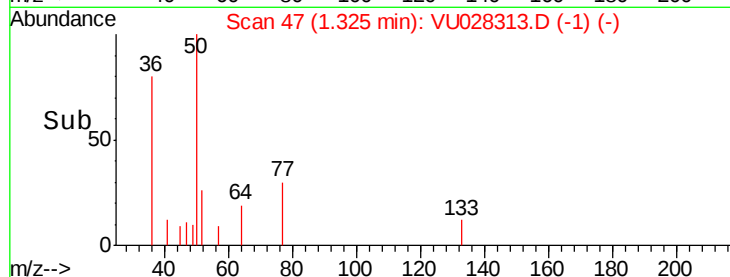
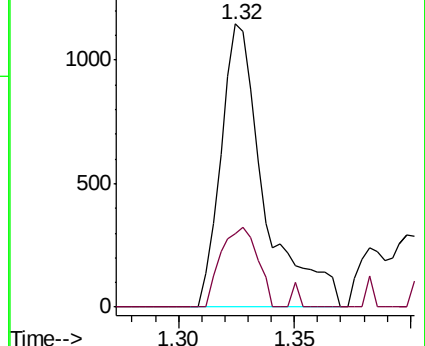
50 100

52 26.2 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 1.122 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028313.D

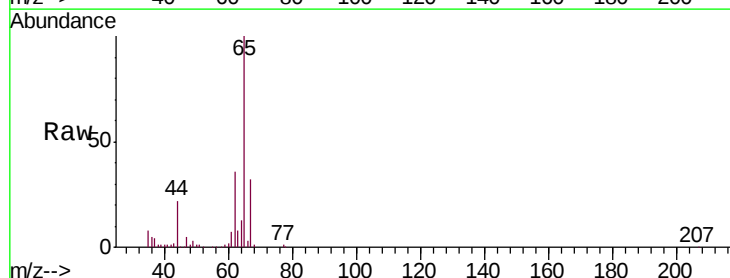
Acq: 21 Nov 2018 12:40

Tgt Ion: 62 Resp: 19705

Ion Ratio Lower Upper

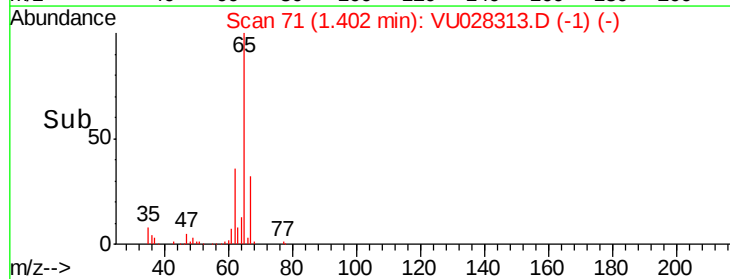
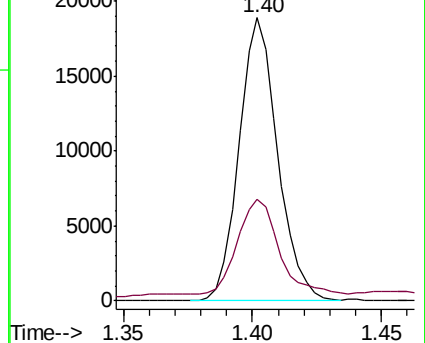
62 100

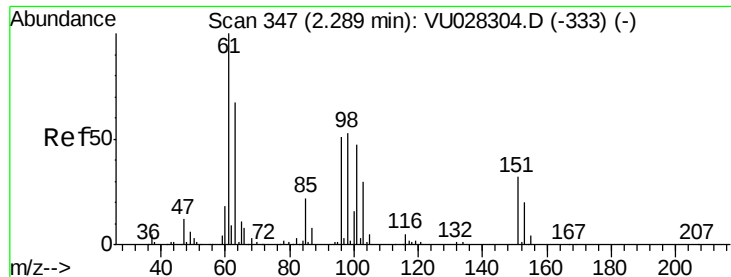
64 36.0 21.7 40.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#10

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

Concen: 0.069 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Instrument :

MSVOA_U

ClientSampleId :

H0FM0MS

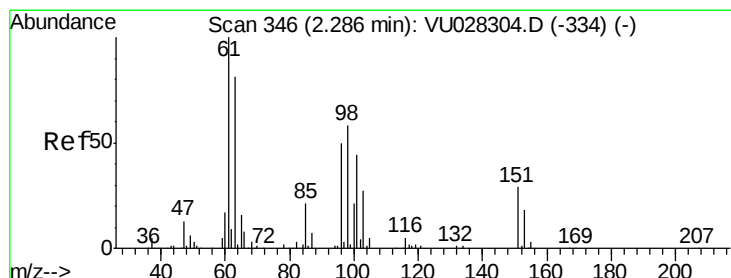
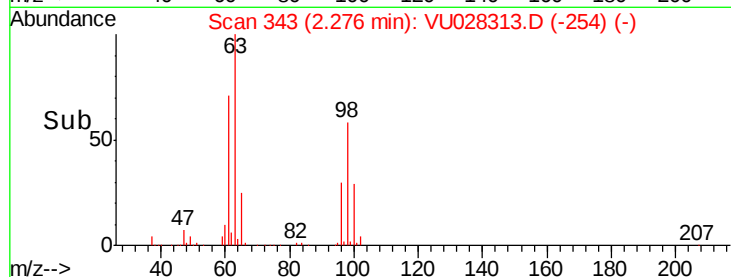
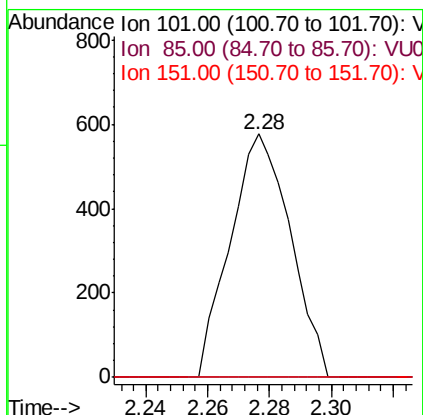
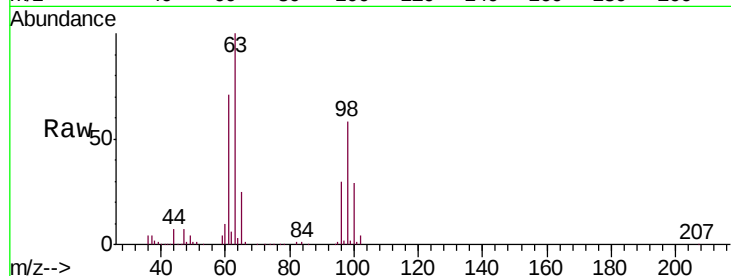
Tgt Ion: 101 Resp: 779

Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

151 2.6 55.0 82.4#



#12

1,1-Dichloroethene

Concen: 5.109 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

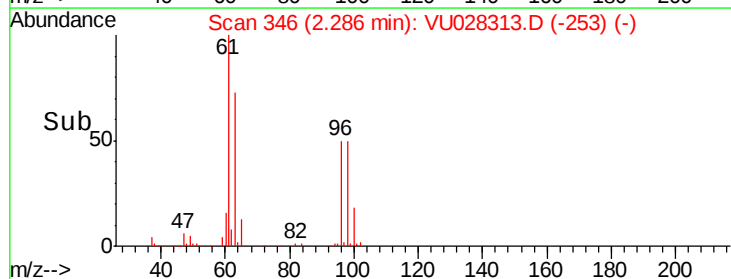
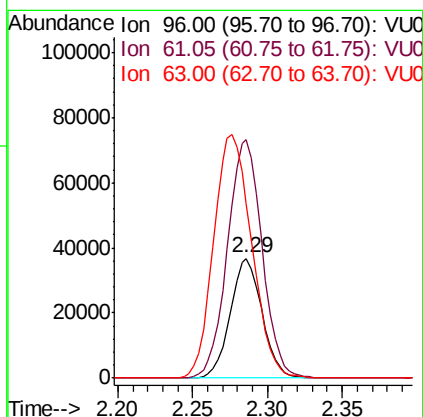
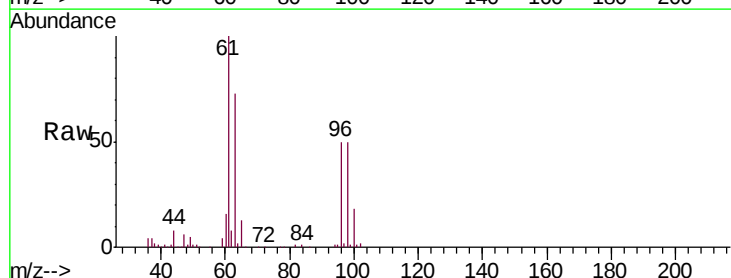
Tgt Ion: 96 Resp: 54435

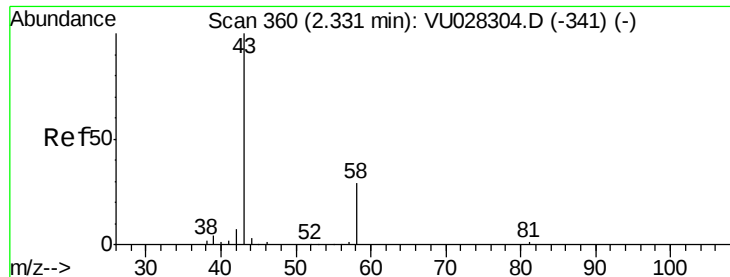
Ion Ratio Lower Upper

96 100

61 199.8 145.5 270.1

63 146.0 98.6 183.2





#13

Acetone

Concen: 0.665 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.01 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Instrument :

MSVOA_U

ClientSampleId :

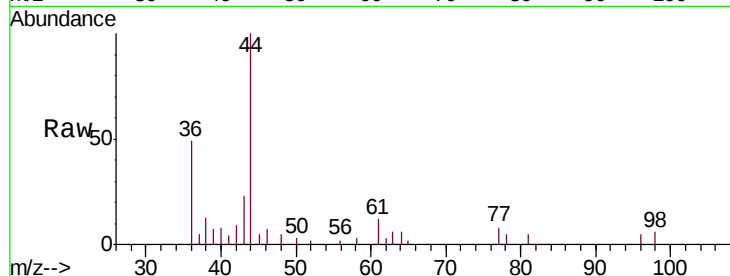
H0FM0MS

Tgt Ion: 43 Resp: 1992

Ion Ratio Lower Upper

43 100

58 13.6 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

1500

1000

500

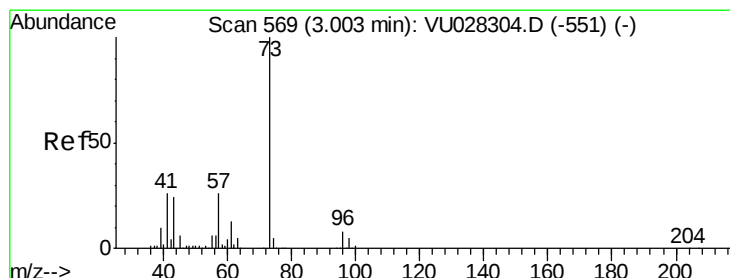
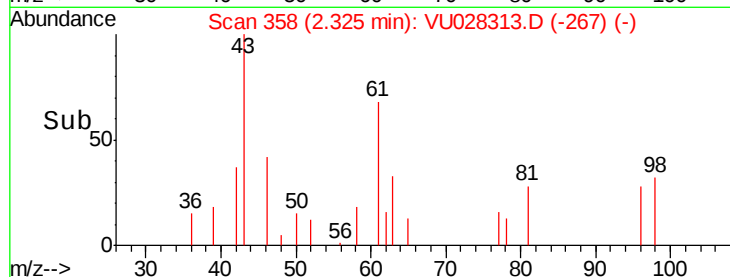
0

Time-->

2.30

2.32

2.35



#17

Methyl tert-butyl Ether

Concen: 2.190 ug/L

RT: 3.01 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

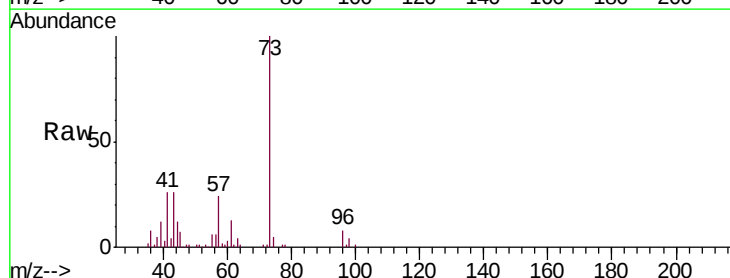
Tgt Ion: 73 Resp: 70108

Ion Ratio Lower Upper

73 100

43 25.7 18.8 28.2

57 25.7 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

40000

30000

20000

10000

0

Time-->

2.90

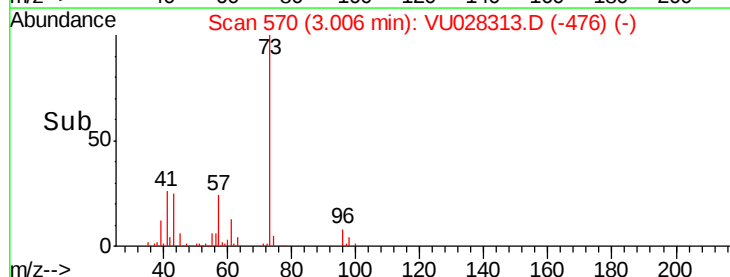
2.95

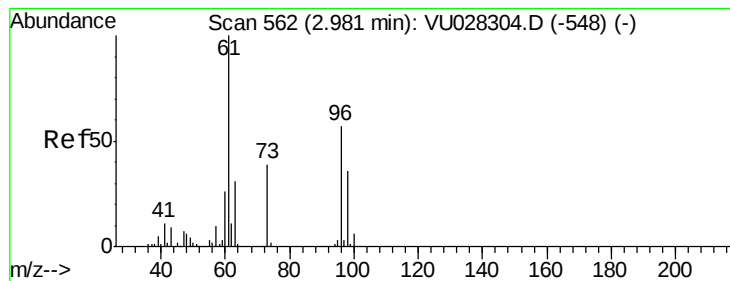
3.00

3.01

3.05

3.10





#18

trans-1,2-Dichloroethene

Concen: 3.241 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Instrument :

MSVOA_U

ClientSampleId :

H0FM0MS

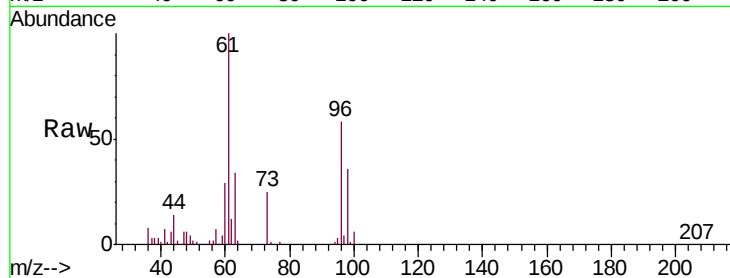
Tgt Ion: 96 Resp: 36790

Ion Ratio Lower Upper

96 100

61 173.3 122.2 227.0

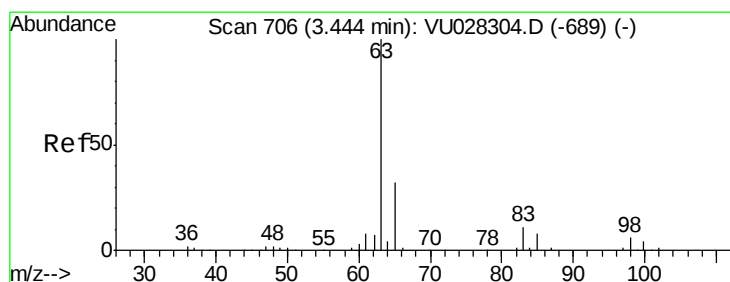
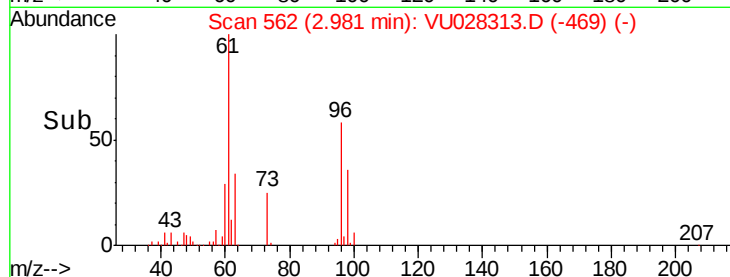
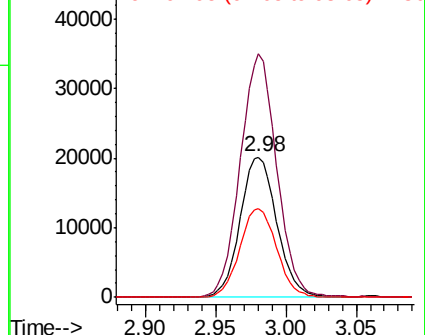
98 62.9 44.9 83.5



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: 0.405 ug/L

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

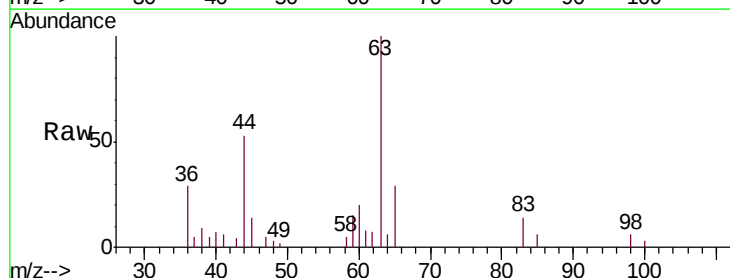
Tgt Ion: 63 Resp: 10659

Ion Ratio Lower Upper

63 100

65 29.2 21.2 39.4

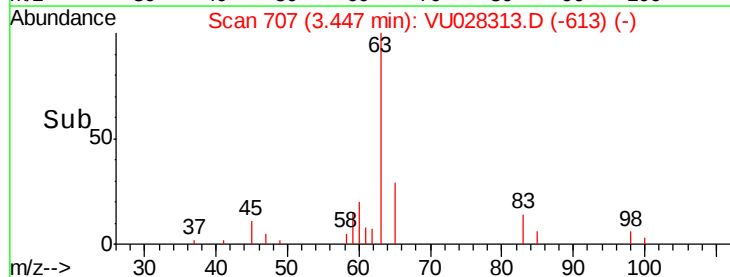
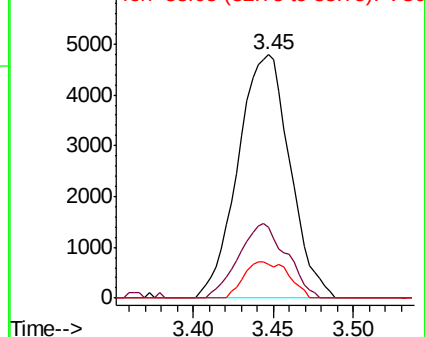
83 13.6 8.8 16.4

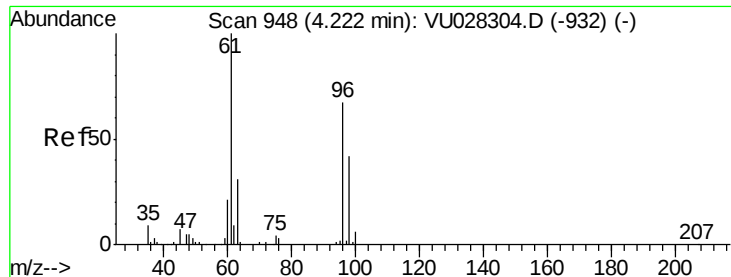


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 26.255 ug/L

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Instrument :

MSVOA_U

ClientSampleId :

H0FM0MS

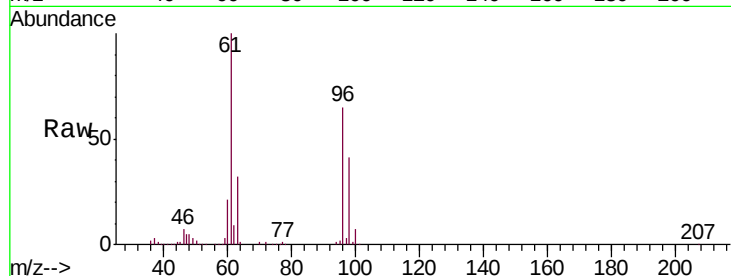
Tgt Ion: 96 Resp: 352222

Ion Ratio Lower Upper

96 100

61 152.9 108.0 200.6

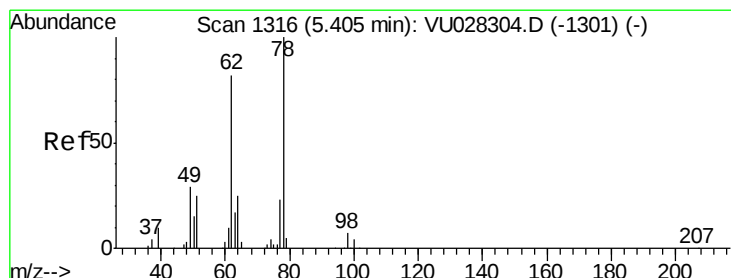
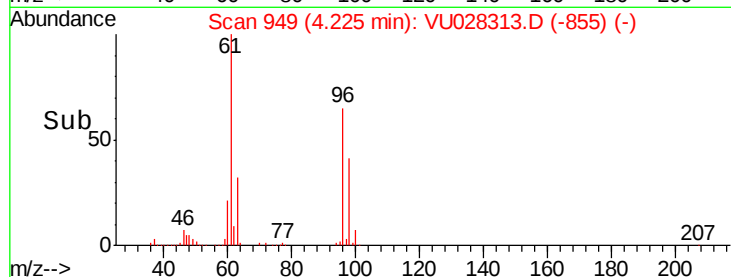
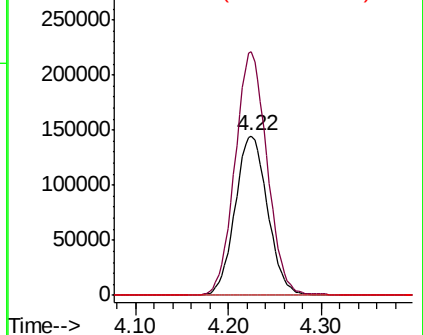
68 0.0 0.0 0.0



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



#27

1,2-Dichloroethane

Concen: 0.168 ug/L

RT: 5.39 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VU028313.D

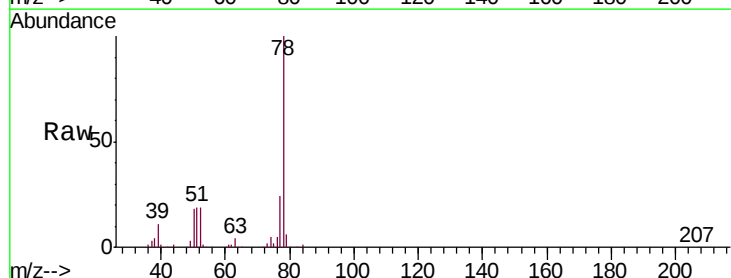
Acq: 21 Nov 2018 12:40

Tgt Ion: 62 Resp: 2729

Ion Ratio Lower Upper

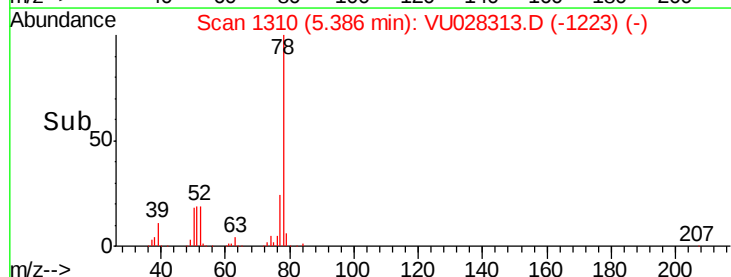
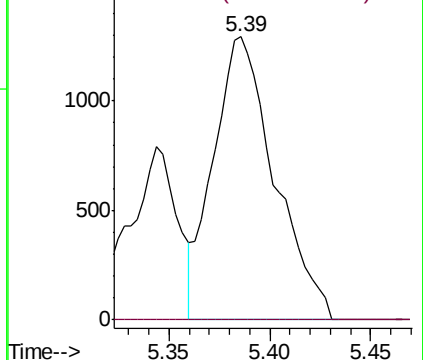
62 100

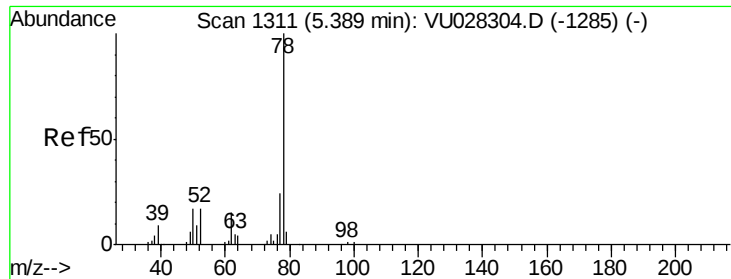
98 0.0 6.2 9.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 5.038 ug/L

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

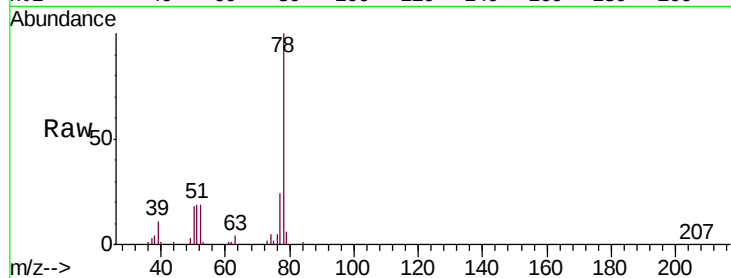
Instrument :

MSVOA_U

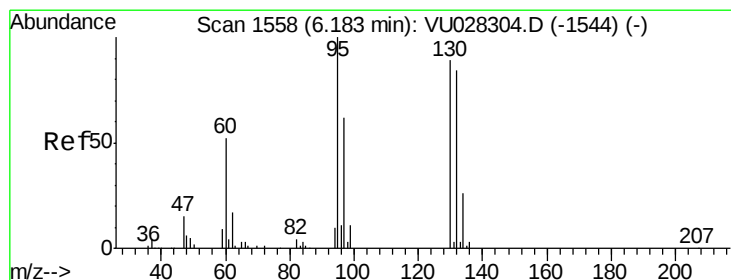
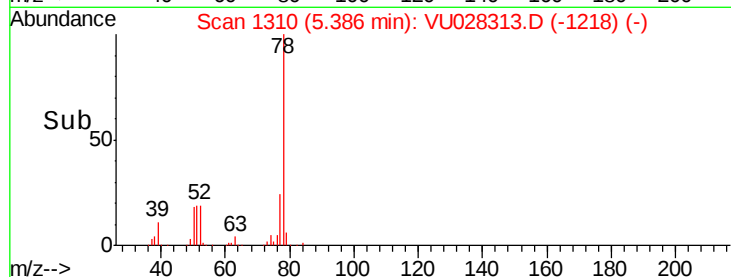
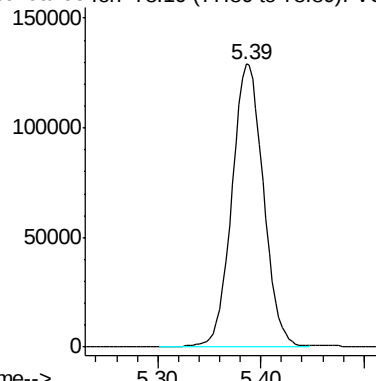
ClientSampleId :

H0FM0MS

Tgt Ion: 78 Resp: 273714



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 21.597 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Tgt Ion: 95 Resp: 287270

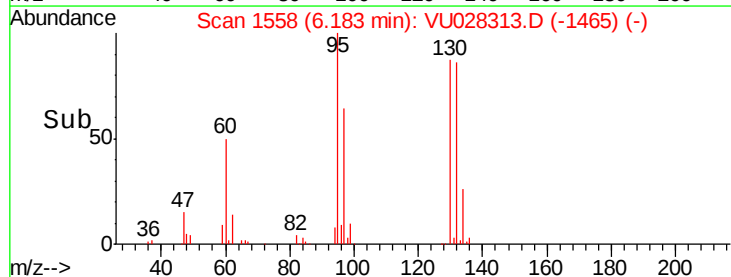
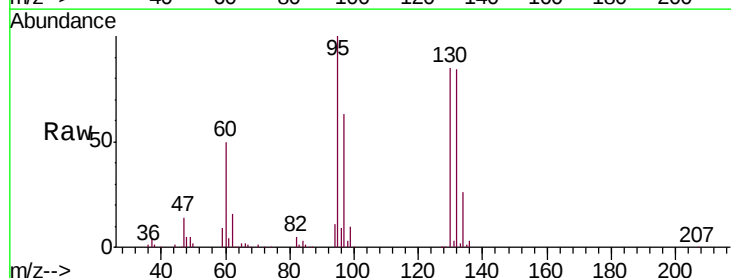
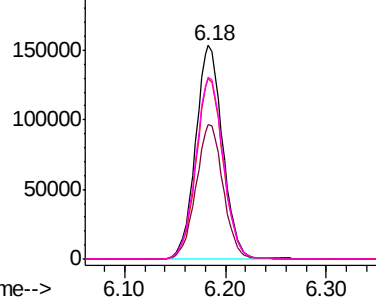
Ion	Ratio	Lower	Upper
95	100		
97	62.9	46.5	86.3
132	84.3	58.9	109.3
130	85.4	61.3	113.9

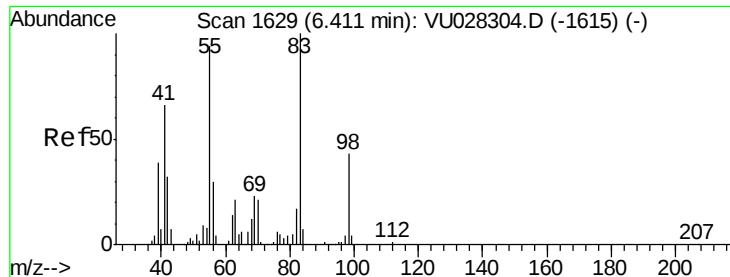
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#35

Methylcyclohexane

Concen: 0.792 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Instrument :

MSVOA_U

ClientSampleId :

H0FM0MS

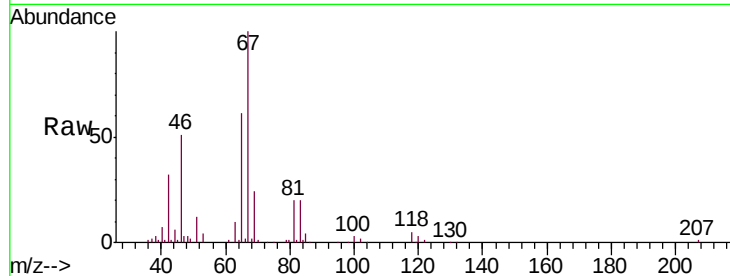
Tgt Ion: 83 Resp: 16607

Ion Ratio Lower Upper

83 100

55 0.1 73.2 109.8#

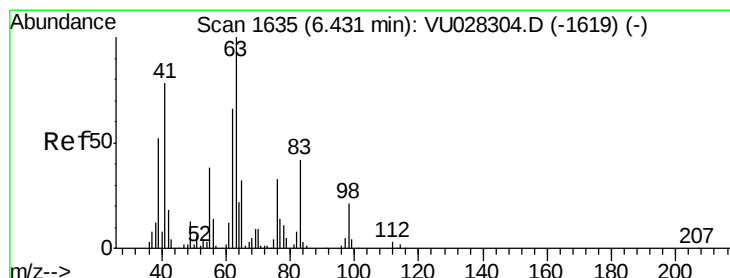
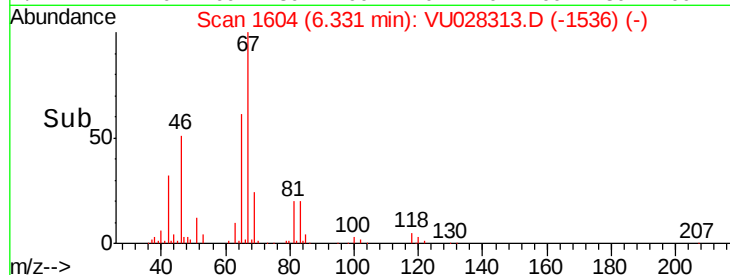
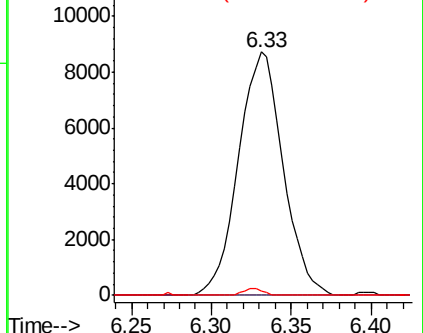
98 0.0 33.4 50.2#



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: 0.551 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU028313.D

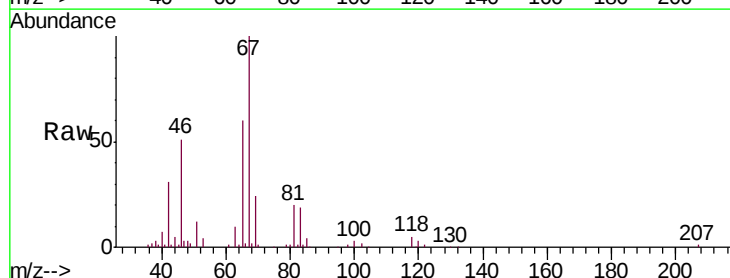
Acq: 21 Nov 2018 12:40

Tgt Ion: 63 Resp: 8542

Ion Ratio Lower Upper

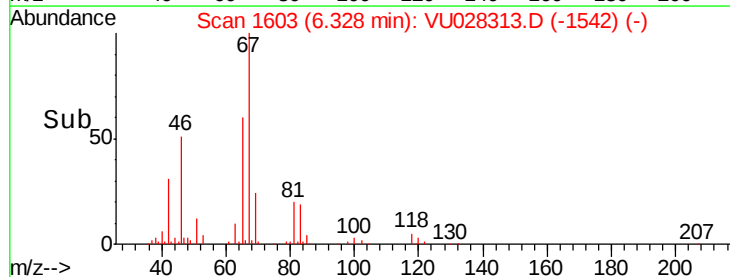
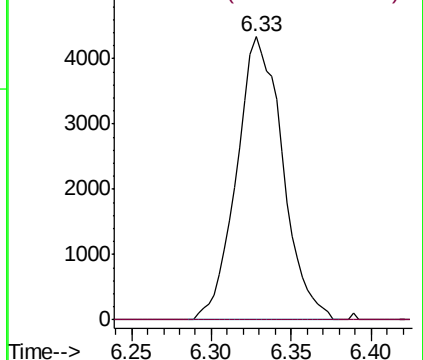
63 100

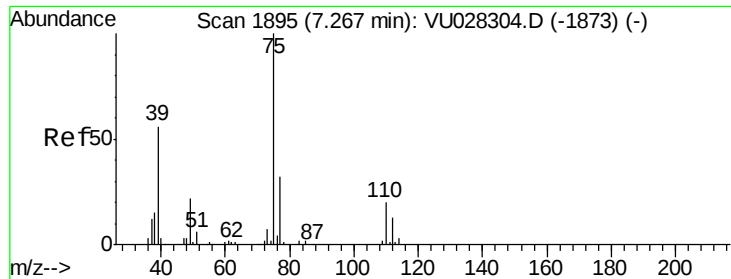
112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

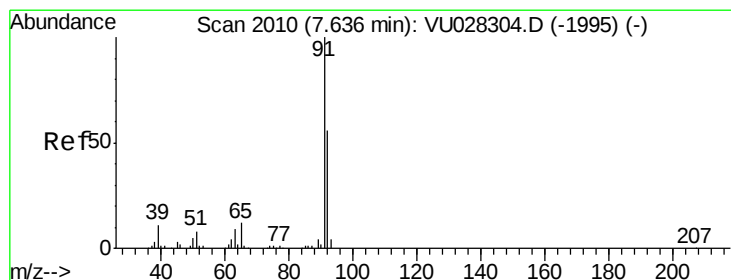
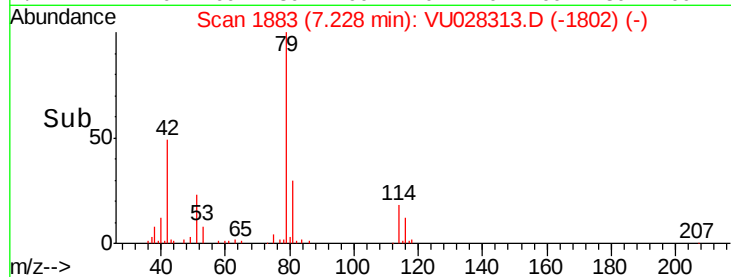
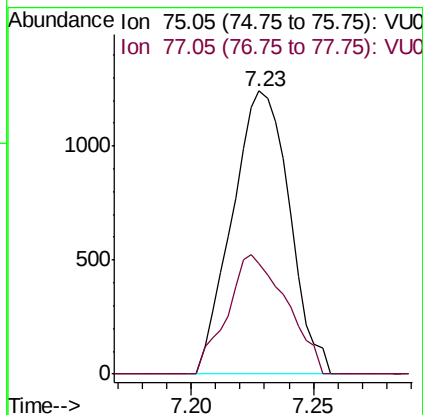
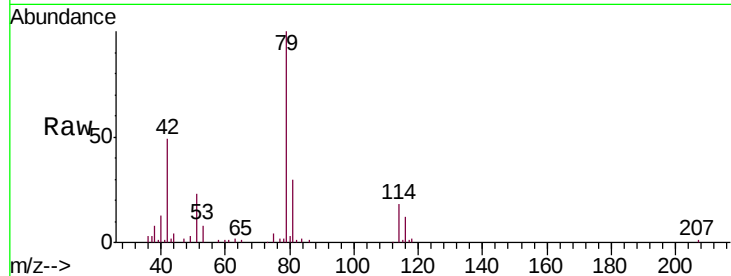




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028313.D
 Acq: 21 Nov 2018 12:40

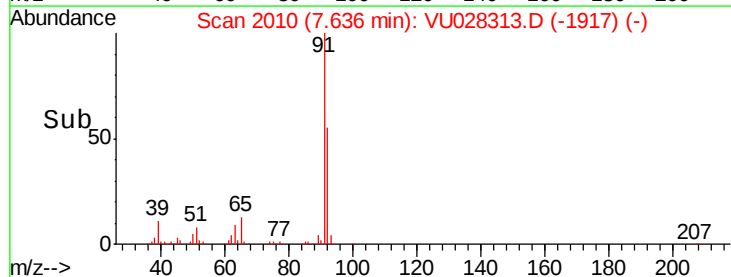
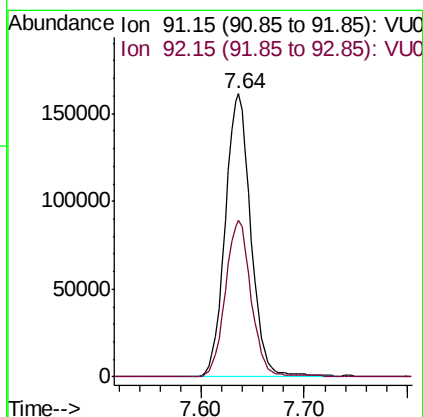
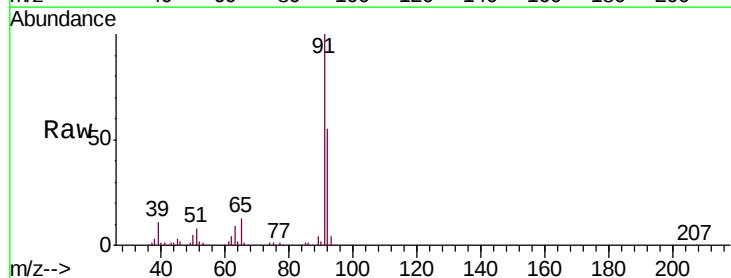
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FM0MS

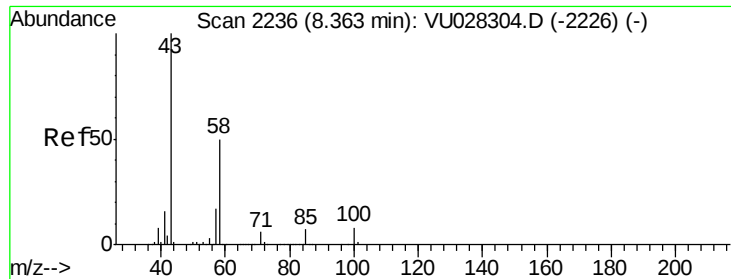
Tgt Ion: 75 Resp: 2019
 Ion Ratio Lower Upper
 75 100
 77 39.2 21.7 40.3



#42
 Toluene
 Concen: 5.077 ug/L
 RT: 7.64 min Scan# 2010
 Delta R.T. -0.00 min
 Lab File: VU028313.D
 Acq: 21 Nov 2018 12:40

Tgt Ion: 91 Resp: 279610
 Ion Ratio Lower Upper
 91 100
 92 55.3 39.0 72.4

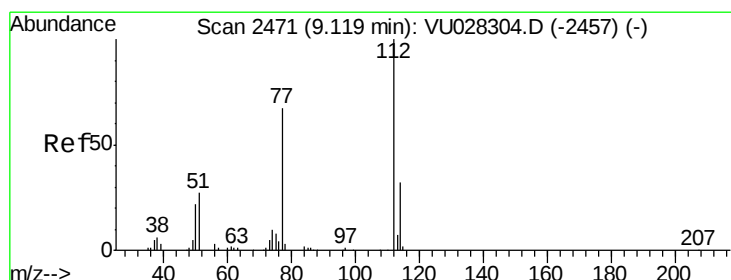
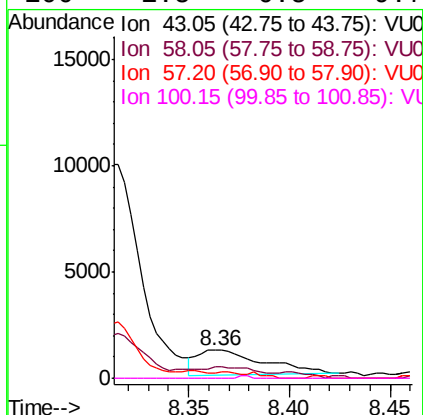
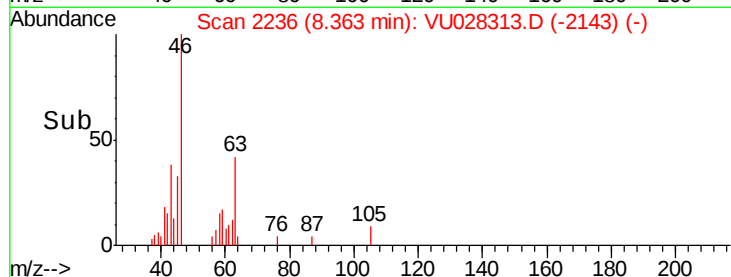
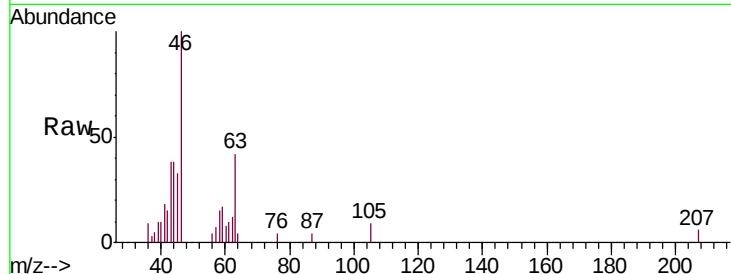




#48
2-Hexanone
Concen: 0.343 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028313.D
Acq: 21 Nov 2018 12:40

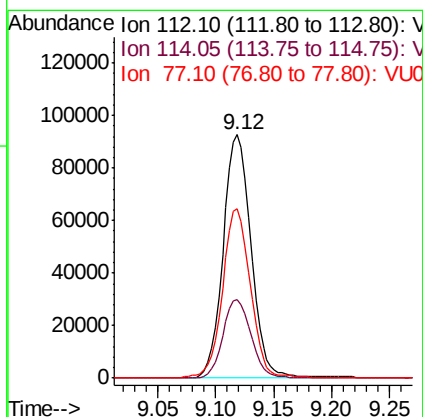
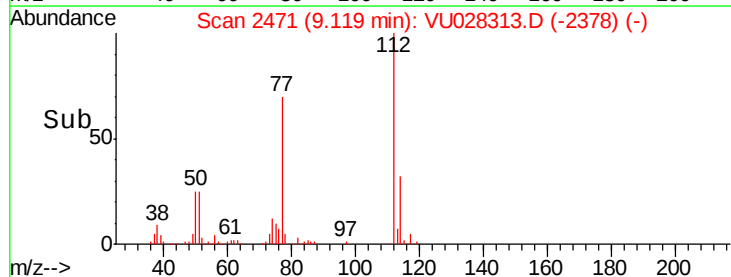
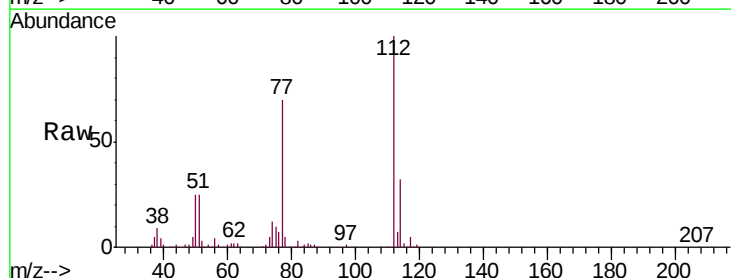
Instrument :
MSVOA_U
ClientSampleId :
H0FM0MS

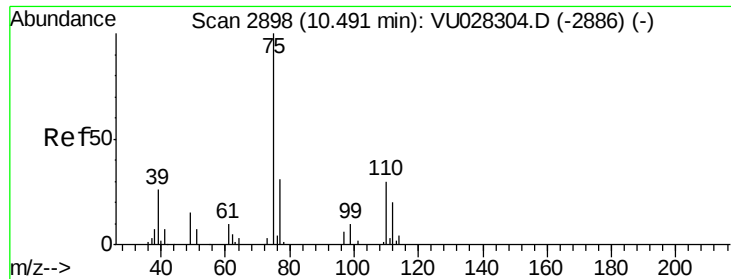
Tgt Ion: 43 Resp: 2710
Ion Ratio Lower Upper
43 100
58 32.7 41.1 61.7#
57 13.1 13.8 20.8#
100 1.5 6.5 9.7#



#51
Chlorobenzene
Concen: 4.901 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028313.D
Acq: 21 Nov 2018 12:40

Tgt Ion: 112 Resp: 155417
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.5
77 69.7 52.4 78.6





#59

1,2,3-Trichloropropane

Concen: 1.328 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028313.D

Acq: 21 Nov 2018 12:40

Instrument :

MSVOA_U

ClientSampleId :

H0FM0MS

Tgt Ion: 75 Resp: 11897

Ion Ratio Lower Upper

75 100

77 34.6 25.7 38.5

