

Data File : VU028320.D
Acq On : 21 Nov 2018 15:26
Operator : MD/SY
Sample : J6026-21DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FP0DL

Quant Time: Nov 21 22:38:32 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	164417	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	157979	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69957	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63872	5.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	1.68	69	48901	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.27	63	90876	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	4.19	46	197158	47.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.24%
24) Chloroform-d	4.65	84	107155	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.31	65	61260	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.34	84	212799	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.33	67	77975	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.57	98	184255	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	7.85	79	28706	5.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.80%
46) 2-Hexanone-d5	8.31	63	139104	43.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	57176	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	62589	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

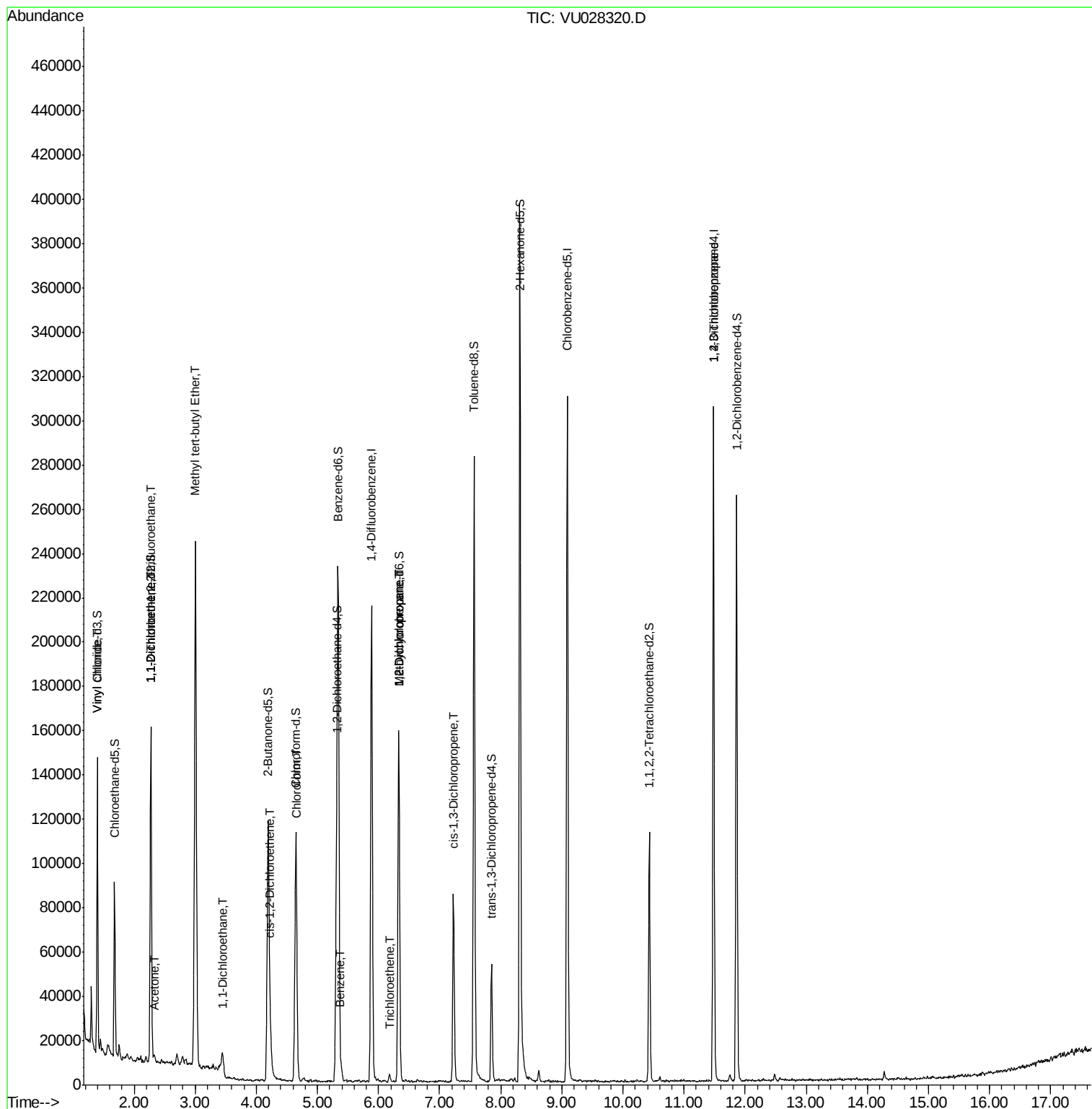
						Qvalue
5) Vinyl chloride	1.40	62	6650	0.398	ug/L #	73
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	716	0.067	ug/L #	26
12) 1,1-Dichloroethene	2.28	96	689	0.068	ug/L #	1
13) Acetone	2.32	43	2047	0.719	ug/L	94
17) Methyl tert-butyl Ether	3.00	73	230949	7.595	ug/L	98
19) 1,1-Dichloroethane	3.44	63	8220	0.329	ug/L	94
22) cis-1,2-Dichloroethene	4.23	96	1628	0.128	ug/L	82
25) Chloroform	4.67	83	2892	0.107	ug/L	96
33) Benzene	5.39	78	4160	0.080	ug/L	100
34) Trichloroethene	6.18	95	783	0.061	ug/L #	80
35) Methylcyclohexane	6.33	83	16034	0.797	ug/L #	14
37) 1,2-Dichloropropane	6.33	63	8016	0.539	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	2152	0.114	ug/L #	76
59) 1,2,3-Trichloropropane	11.48	75	10489	1.220	ug/L	96

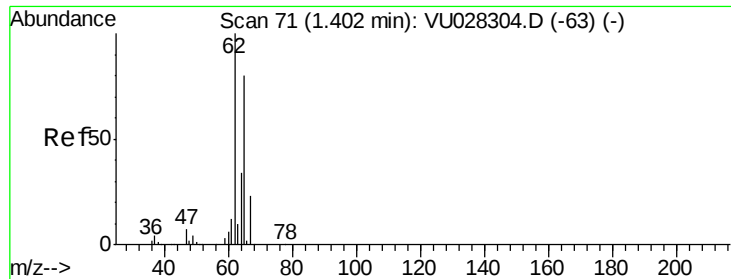
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.398 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028320.D

Acq: 21 Nov 2018 15:26

Instrument :

MSVOA_U

ClientSampleId :

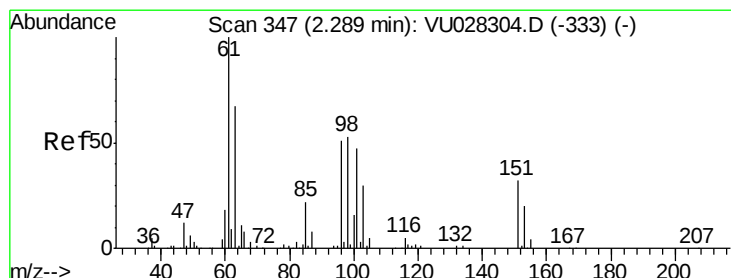
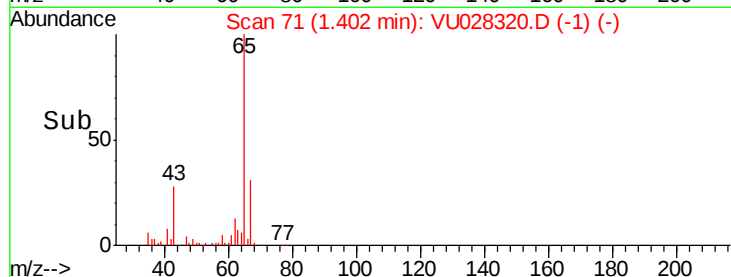
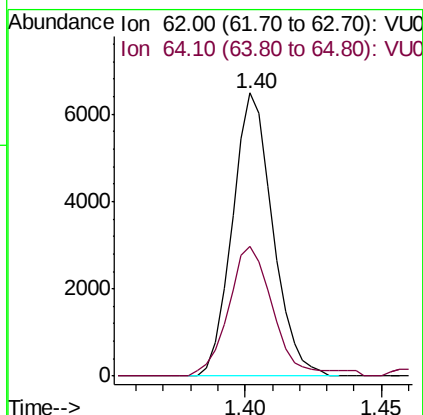
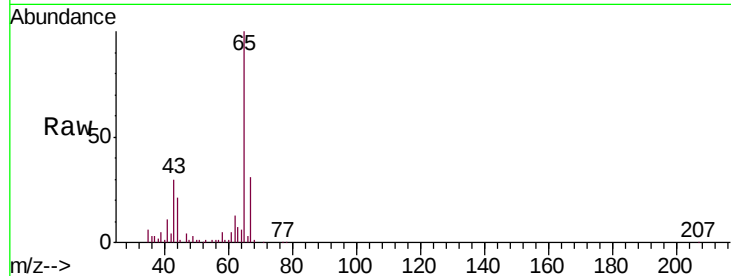
H0FP0DL

Tgt Ion: 62 Resp: 6650

Ion Ratio Lower Upper

62 100

64 46.0 21.7 40.3#



#10

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

Concen: 0.067 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028320.D

Acq: 21 Nov 2018 15:26

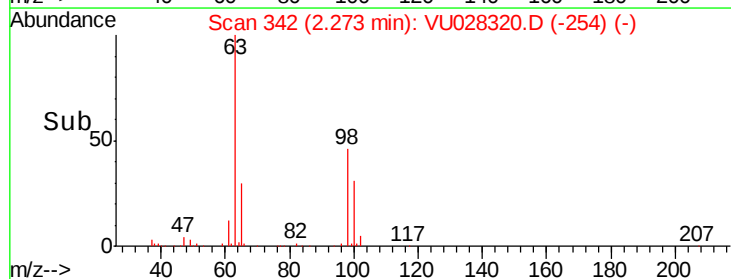
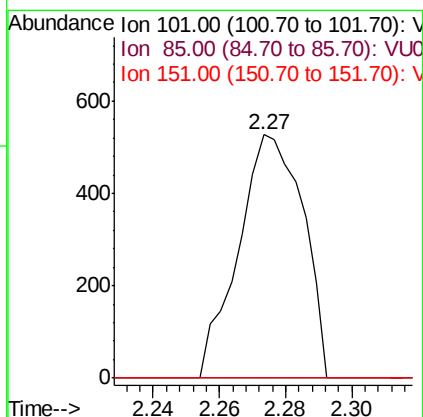
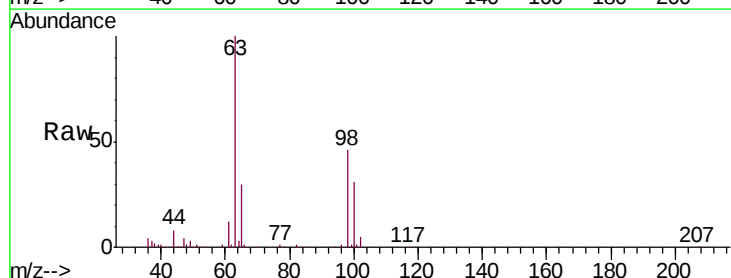
Tgt Ion: 101 Resp: 716

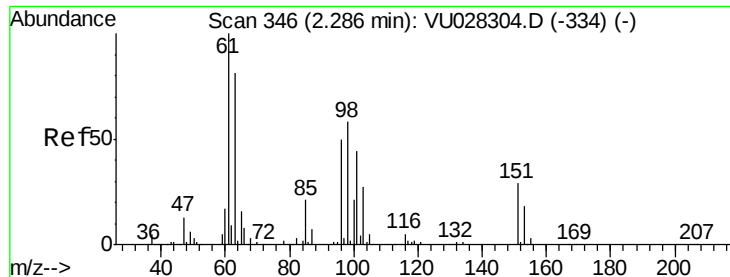
Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

151 6.7 55.0 82.4#





#12

1,1-Dichloroethene

Concen: 0.068 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028320.D

Acq: 21 Nov 2018 15:26

Instrument :

MSVOA_U

ClientSampleId :

H0FP0DL

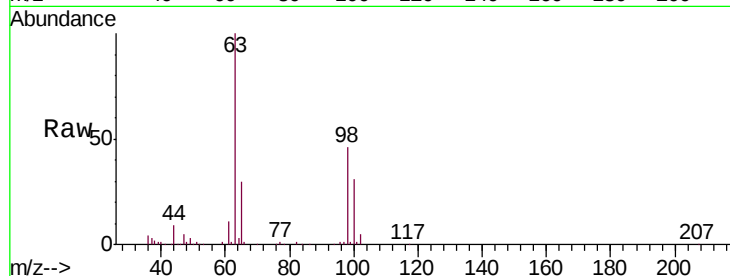
Tgt Ion: 96 Resp: 689

Ion Ratio Lower Upper

96 100

61 1143.8 145.5 270.1#

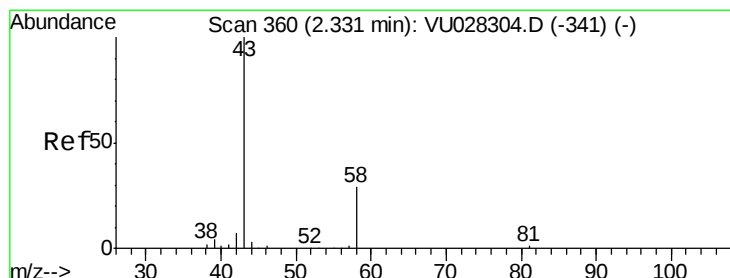
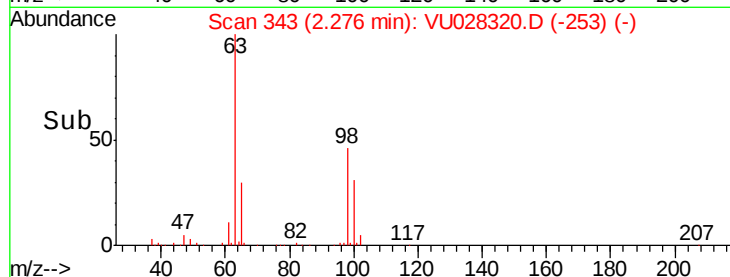
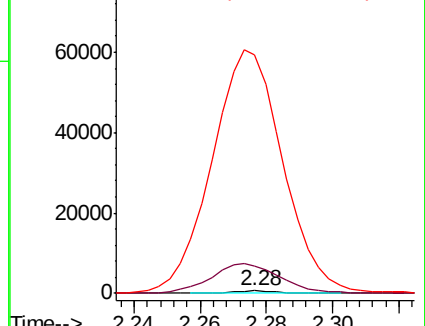
63 10000.0 98.6 183.2#



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: 0.719 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.01 min

Lab File: VU028320.D

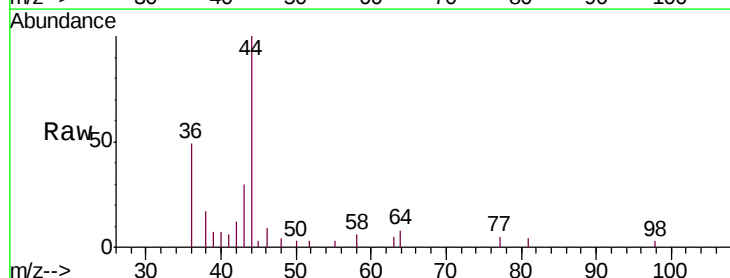
Acq: 21 Nov 2018 15:26

Tgt Ion: 43 Resp: 2047

Ion Ratio Lower Upper

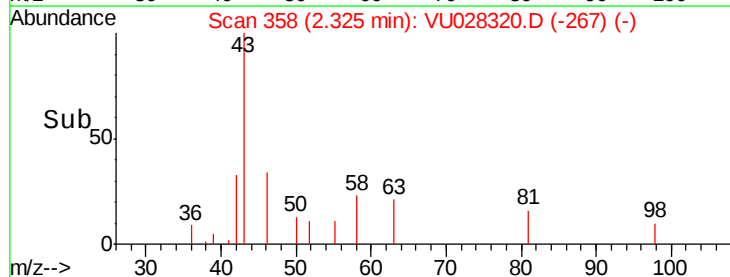
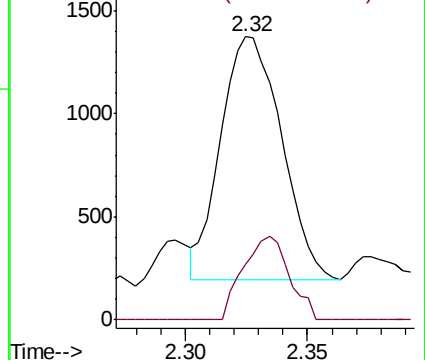
43 100

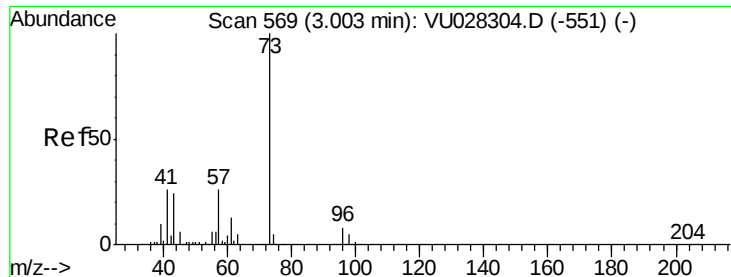
58 26.0 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#17

Methyl tert-butyl Ether

Concen: 7.595 ug/L

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU028320.D

Acq: 21 Nov 2018 15:26

Instrument :

MSVOA_U

ClientSampleId :

H0FP0DL

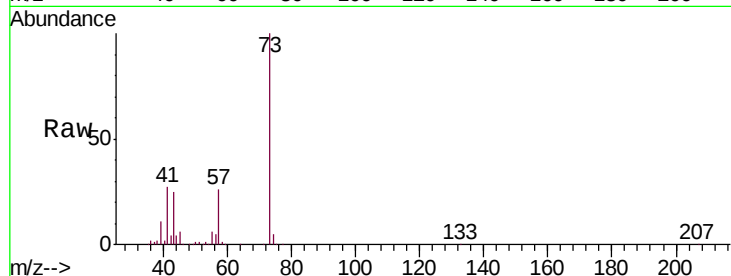
Tgt Ion: 73 Resp: 230949

Ion Ratio Lower Upper

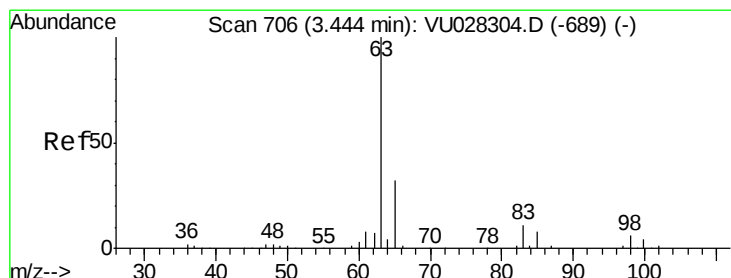
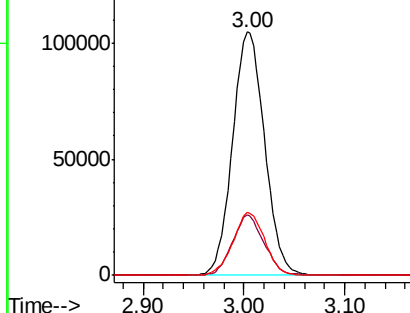
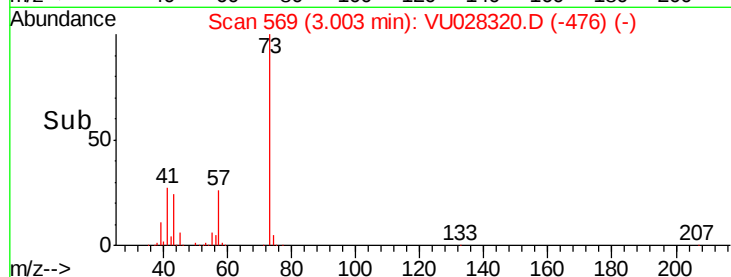
73 100

43 24.0 18.8 28.2

57 25.6 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



#19

1,1-Dichloroethane

Concen: 0.329 ug/L

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU028320.D

Acq: 21 Nov 2018 15:26

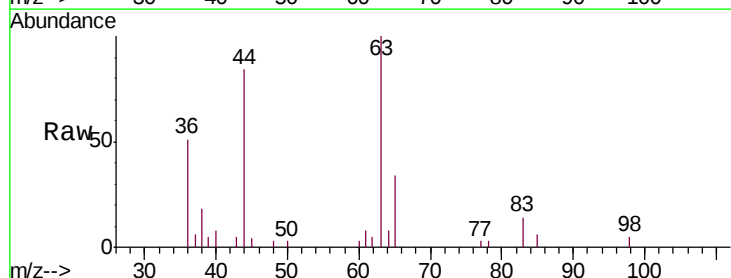
Tgt Ion: 63 Resp: 8220

Ion Ratio Lower Upper

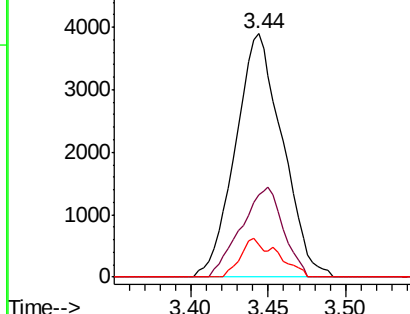
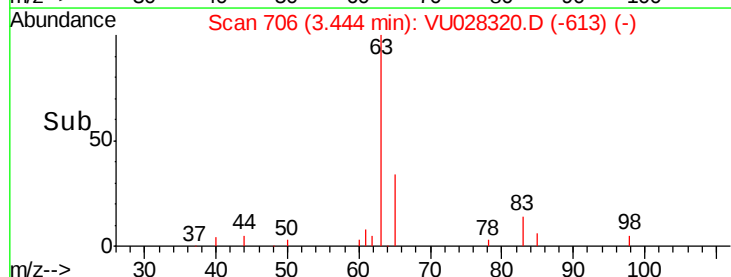
63 100

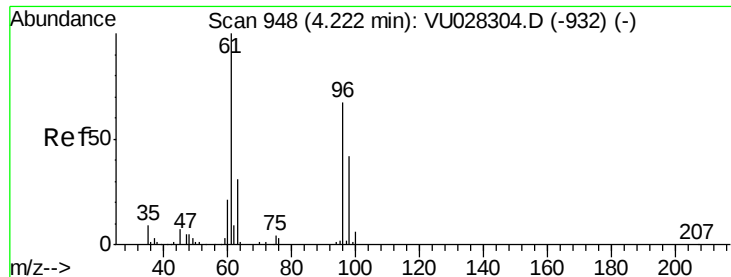
65 34.1 21.2 39.4

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



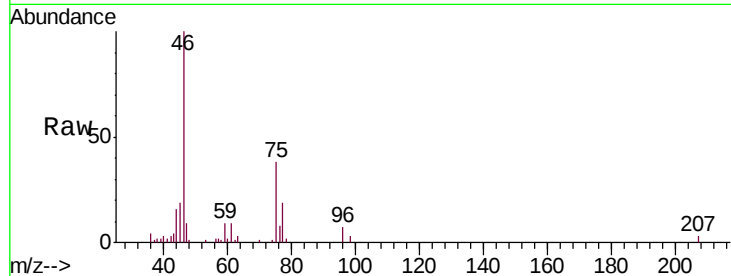


#22

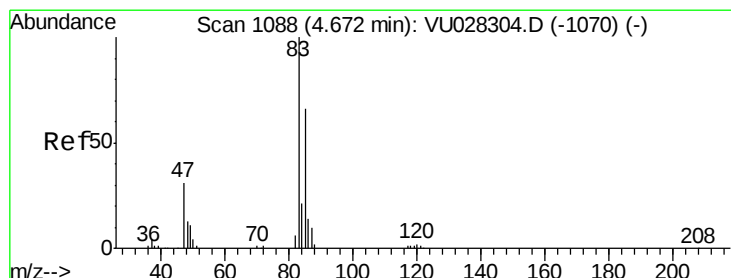
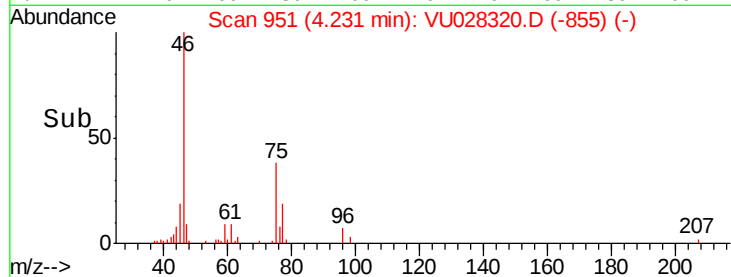
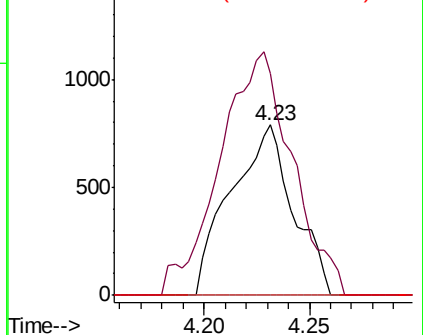
cis-1,2-Dichloroethene
 Concen: 0.128 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.01 min
 Lab File: VU028320.D
 Acq: 21 Nov 2018 15:26

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FP0DL

Tgt Ion: 96 Resp: 1628
 Ion Ratio Lower Upper
 96 100
 61 130.5 108.0 200.6
 68 0.0 0.0 0.0



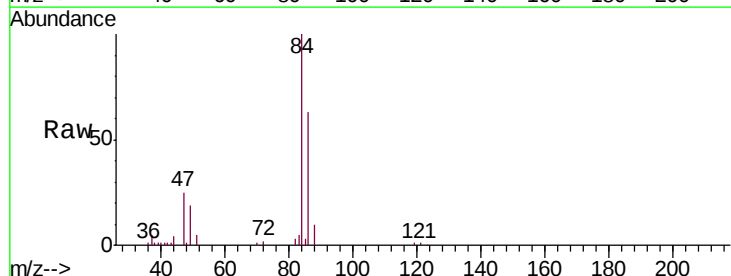
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



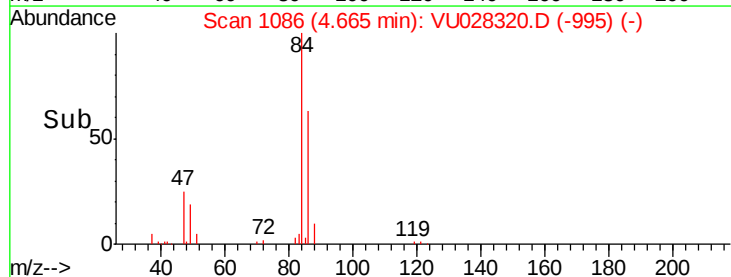
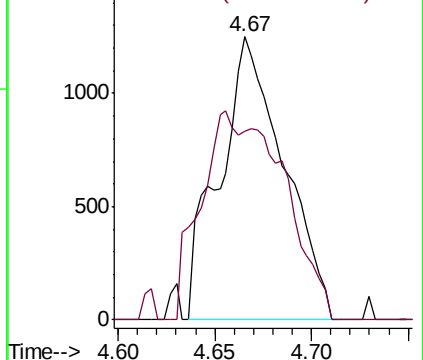
#25

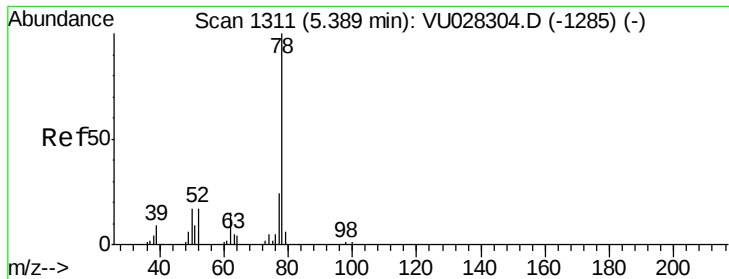
Chloroform
 Concen: 0.107 ug/L
 RT: 4.67 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VU028320.D
 Acq: 21 Nov 2018 15:26

Tgt Ion: 83 Resp: 2892
 Ion Ratio Lower Upper
 83 100
 85 66.9 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.080 ug/L

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU028320.D

Acq: 21 Nov 2018 15:26

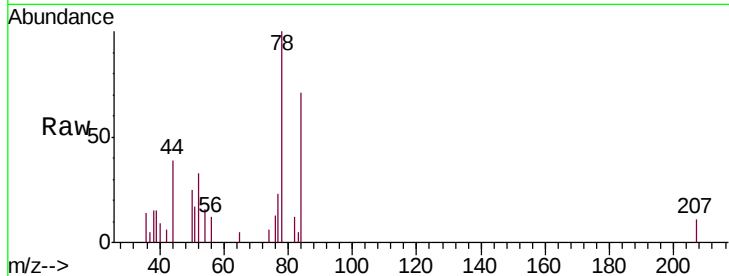
Instrument :

MSVOA_U

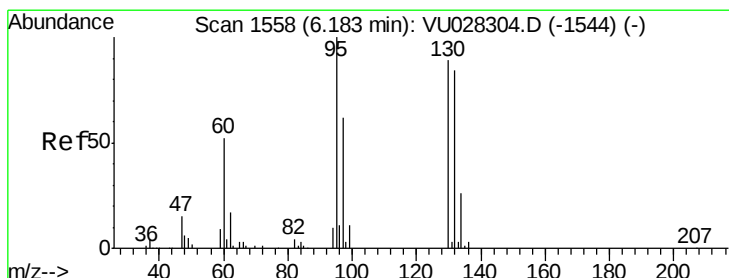
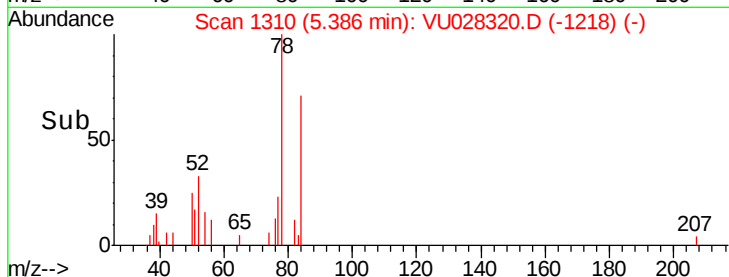
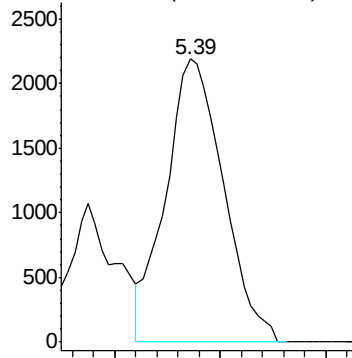
ClientSampleId :

H0FP0DL

Tgt Ion: 78 Resp: 4160



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.061 ug/L

RT: 6.18 min Scan# 1558

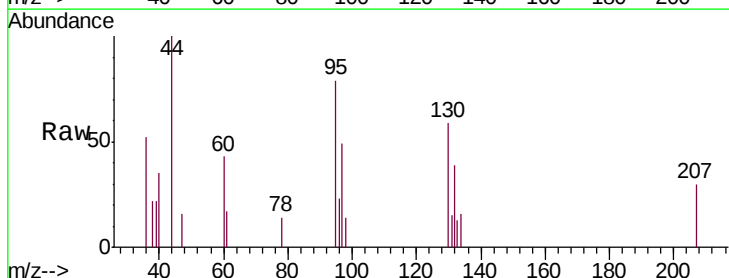
Delta R.T. 0.00 min

Lab File: VU028320.D

Acq: 21 Nov 2018 15:26

Tgt Ion: 95 Resp: 783

Ion	Ratio	Lower	Upper
95	100		
97	61.6	46.5	86.3
132	48.8	58.9	109.3
130	75.0	61.3	113.9

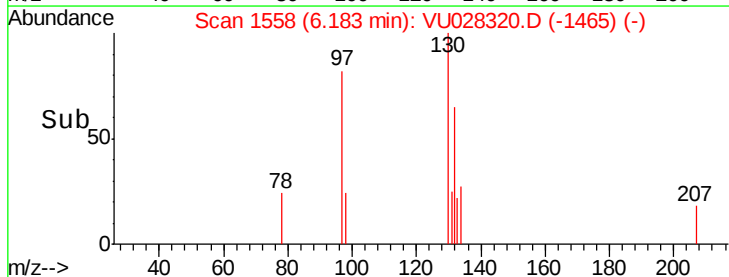
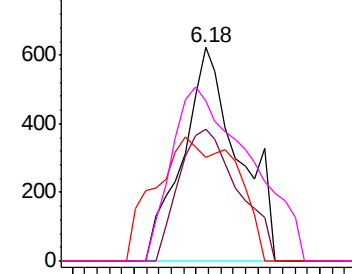


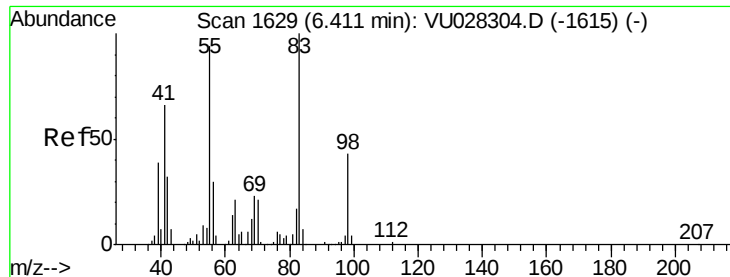
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.797 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028320.D

Acq: 21 Nov 2018 15:26

Instrument :

MSVOA_U

ClientSampled :

H0FP0DL

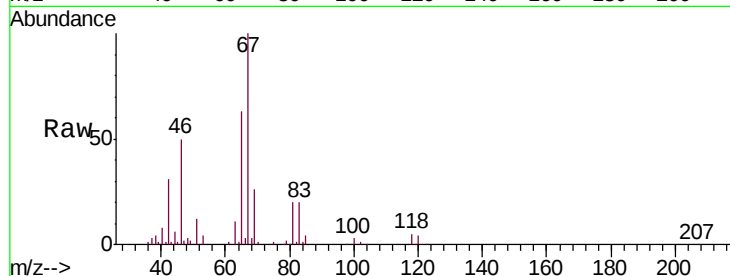
Tgt Ion: 83 Resp: 16034

Ion Ratio Lower Upper

83 100

55 0.7 73.2 109.8#

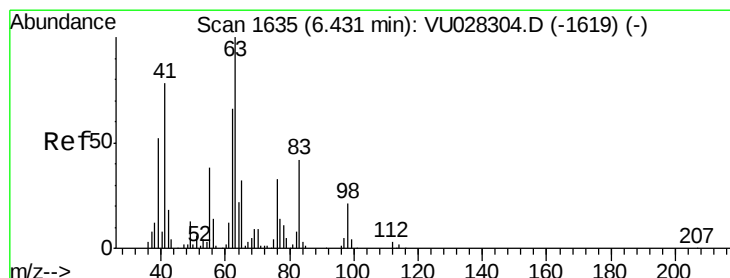
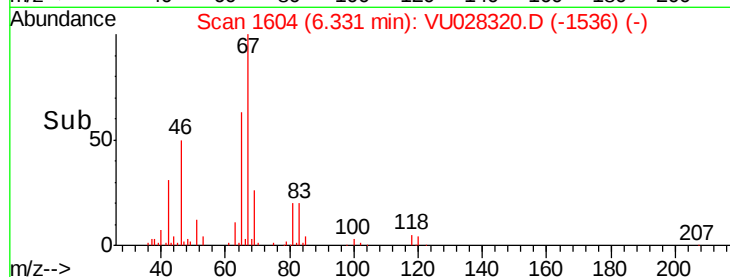
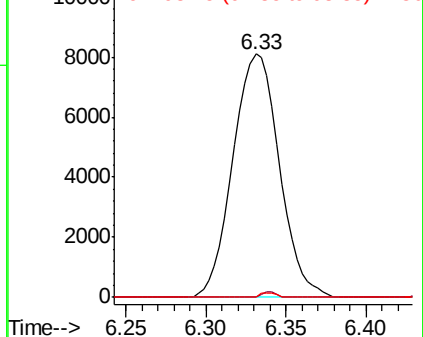
98 0.6 33.4 50.2#



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: 0.539 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.10 min

Lab File: VU028320.D

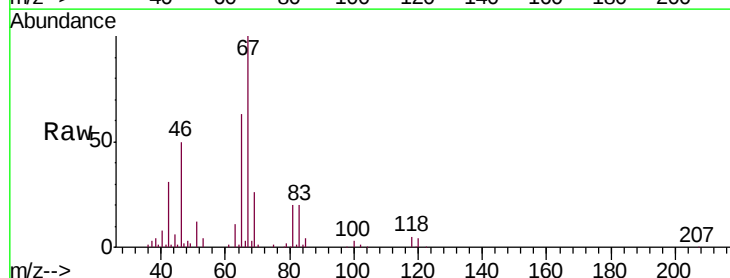
Acq: 21 Nov 2018 15:26

Tgt Ion: 63 Resp: 8016

Ion Ratio Lower Upper

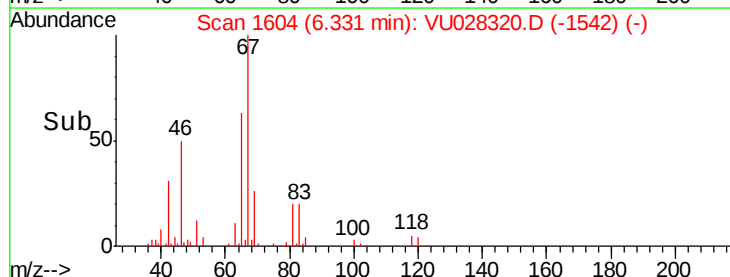
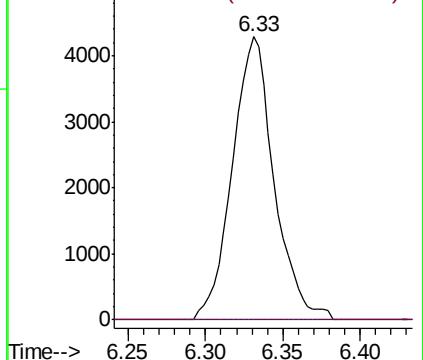
63 100

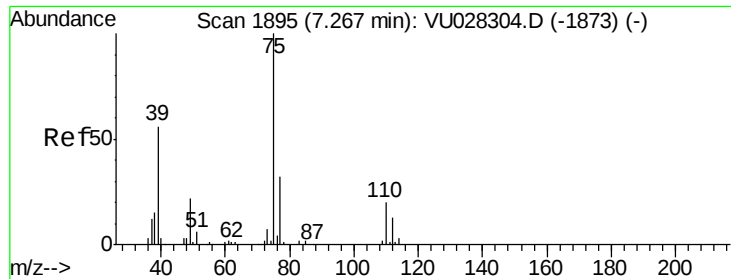
112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



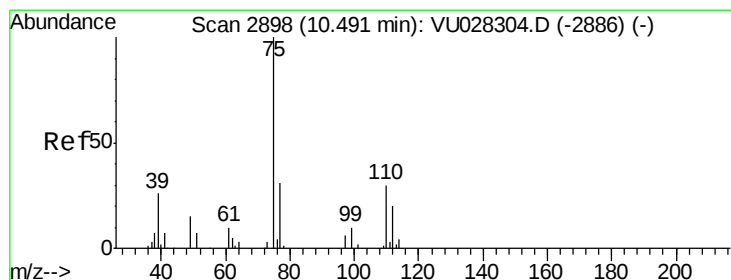
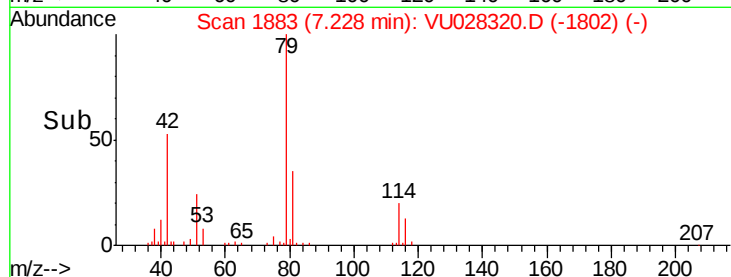
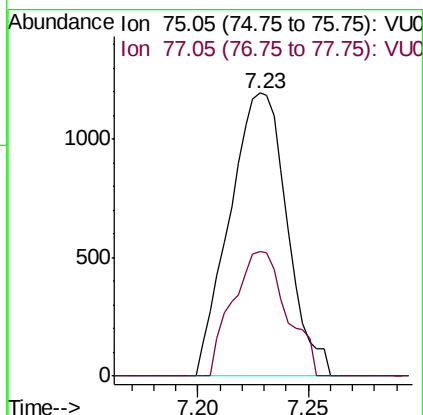
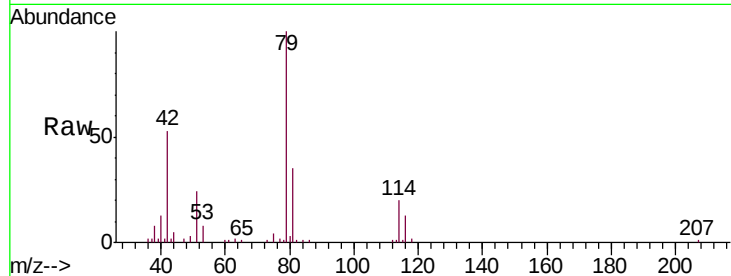


#39

cis-1,3-Dichloropropene
 Concen: 0.114 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028320.D
 Acq: 21 Nov 2018 15:26

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FP0DL

Tgt Ion: 75 Resp: 2152
 Ion Ratio Lower Upper
 75 100
 77 44.0 21.7 40.3#



#59

1,2,3-Trichloropropane
 Concen: 1.220 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028320.D
 Acq: 21 Nov 2018 15:26

Tgt Ion: 75 Resp: 10489
 Ion Ratio Lower Upper
 75 100
 77 34.6 25.7 38.5

