

Data File : VU033138.D
Acq On : 02 Jul 2019 14:09
Operator : JC/SP
Sample : K3608-02MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAML2MS

Quant Time: Jul 03 02:18:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 02:14:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	92231	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	97927	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	46041	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	36989	6.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	138.60%#
7) Chloroethane-d5	1.68	69	30408	6.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	124.60%
11) 1,1-Dichloroethene-d2	2.27	63	74339	5.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	118.20%
20) 2-Butanone-d5	4.19	46	99108	50.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.98%
24) Chloroform-d	4.64	84	66841	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.31	65	39148	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.33	84	129103	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
36) 1,2-Dichloropropane-d6	6.32	67	41793	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.56	98	114744	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.85	79	16739	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.31	63	66034	47.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	33736	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	45783	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

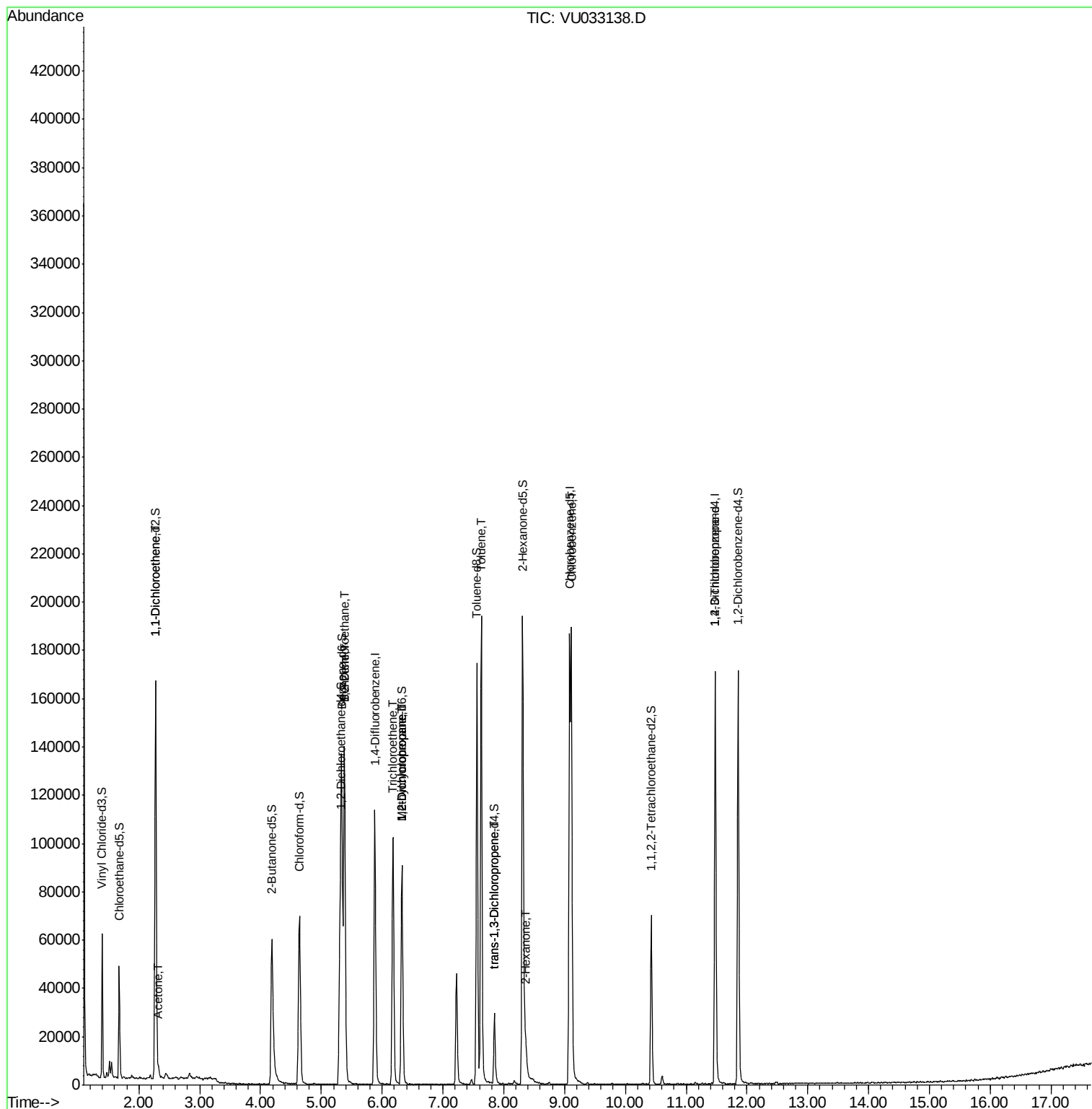
					Qvalue
12) 1,1-Dichloroethene	2.28	96	27989	4.651 ug/L	84
13) Acetone	2.32	43	3953	2.530 ug/L	95
27) 1,2-Dichloroethane	5.38	62	1435	0.150 ug/L #	79
33) Benzene	5.38	78	130745	4.531 ug/L	100
34) Trichloroethene	6.18	95	34424	4.373 ug/L	98
35) Methylcyclohexane	6.32	83	9370	0.800 ug/L #	16
37) 1,2-Dichloropropane	6.32	63	5278	0.665 ug/L #	88
42) Toluene	7.63	91	138484	4.457 ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	794	0.085 ug/L	84
48) 2-Hexanone	8.36	43	7332	1.834 ug/L #	95
51) Chlorobenzene	9.11	112	93914	4.586 ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	6071	1.124 ug/L #	85

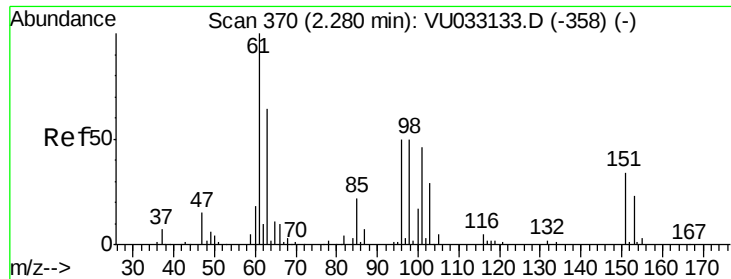
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.651 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU033138.D

Acq: 02 Jul 2019 14:09

Instrument :

MSVOA_U

ClientSampleId :

GAML2MS

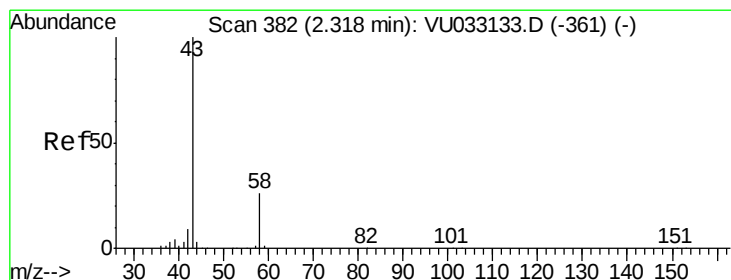
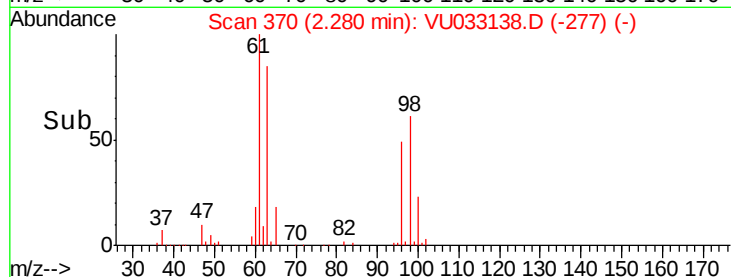
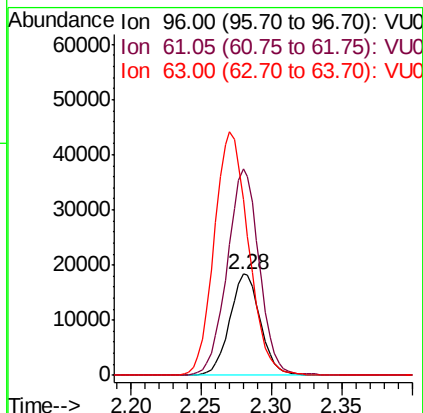
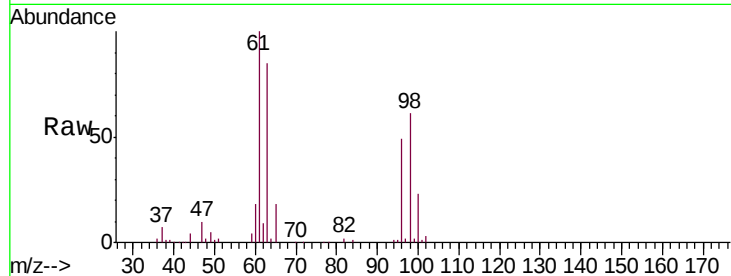
Tgt Ion: 96 Resp: 27989

Ion Ratio Lower Upper

96 100

61 204.1 135.5 251.7

63 173.2 98.0 182.0



#13

Acetone

Concen: 2.530 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU033138.D

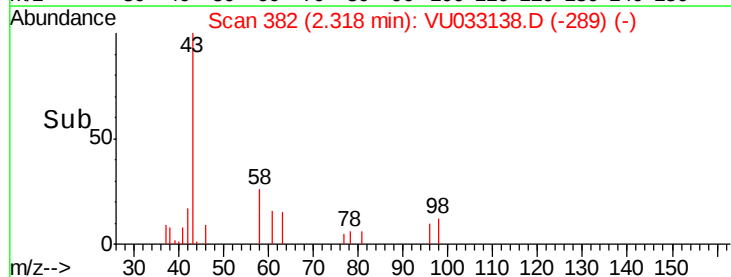
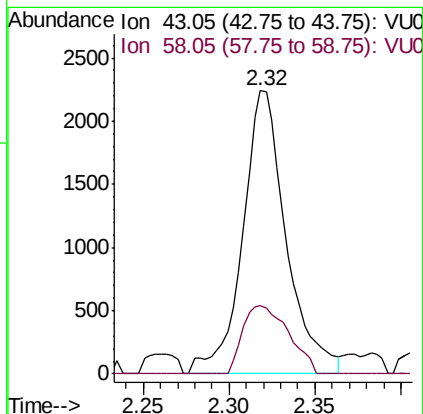
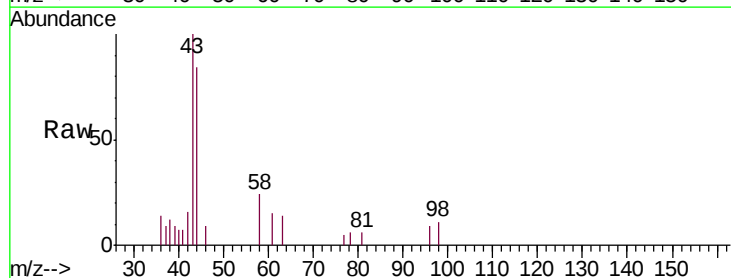
Acq: 02 Jul 2019 14:09

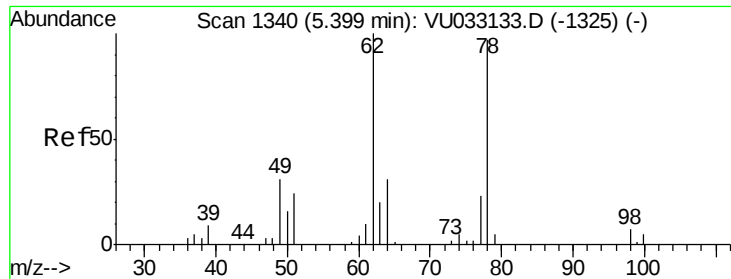
Tgt Ion: 43 Resp: 3953

Ion Ratio Lower Upper

43 100

58 25.3 0.0 55.4





#27

1,2-Dichloroethane

Concen: 0.150 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VU033138.D

Acq: 02 Jul 2019 14:09

Instrument :

MSVOA_U

ClientSampleId :

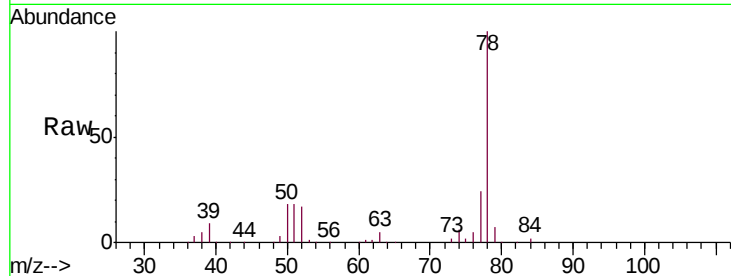
GAML2MS

Tgt Ion: 62 Resp: 1435

Ion Ratio Lower Upper

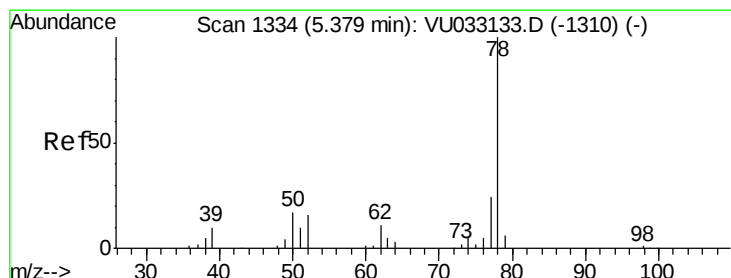
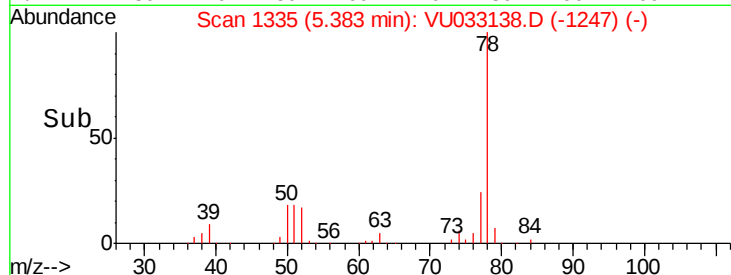
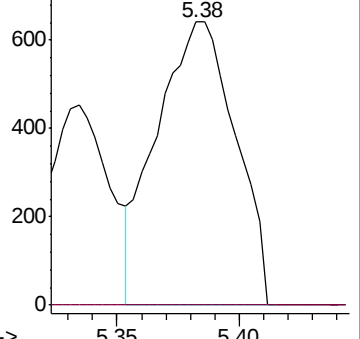
62 100

98 0.0 5.9 8.9#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0



#33

Benzene

Concen: 4.531 ug/L

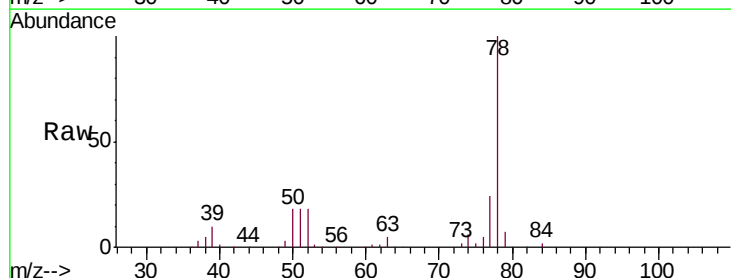
RT: 5.38 min Scan# 1334

Delta R.T. -0.00 min

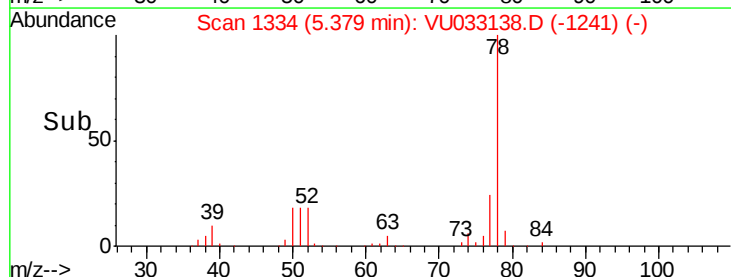
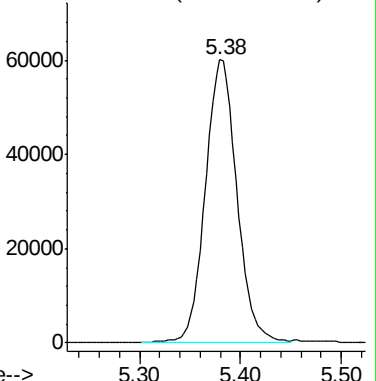
Lab File: VU033138.D

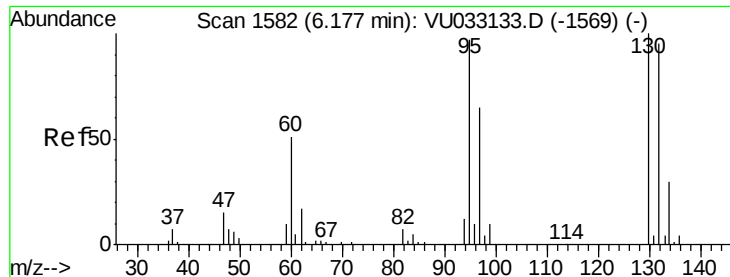
Acq: 02 Jul 2019 14:09

Tgt Ion: 78 Resp: 130745



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.373 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033138.D

Acq: 02 Jul 2019 14:09

Instrument :

MSVOA_U

ClientSampleId :

GAML2MS

Tgt Ion: 95 Resp: 34424

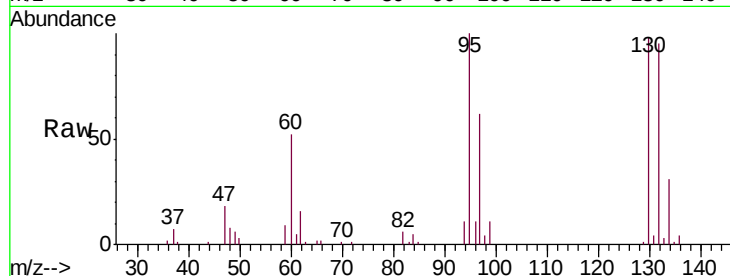
Ion Ratio Lower Upper

95 100

97 62.2 42.8 79.4

132 95.1 64.6 120.0

130 98.1 70.0 130.0

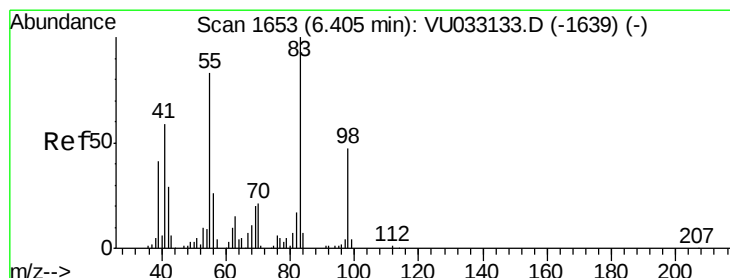
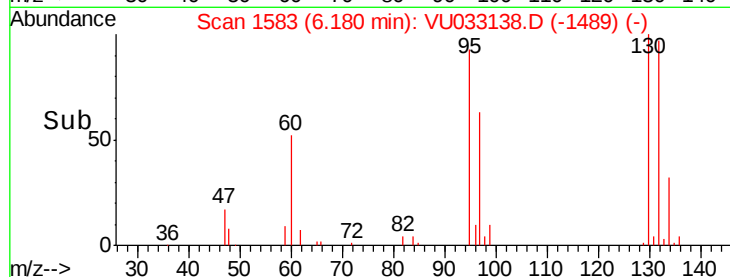
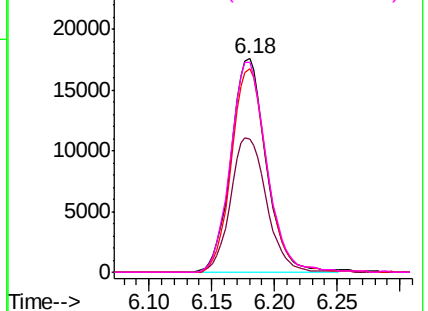


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.800 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033138.D

Acq: 02 Jul 2019 14:09

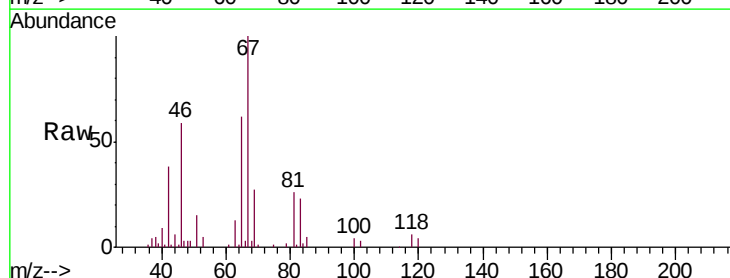
Tgt Ion: 83 Resp: 9370

Ion Ratio Lower Upper

83 100

55 0.0 66.5 99.7#

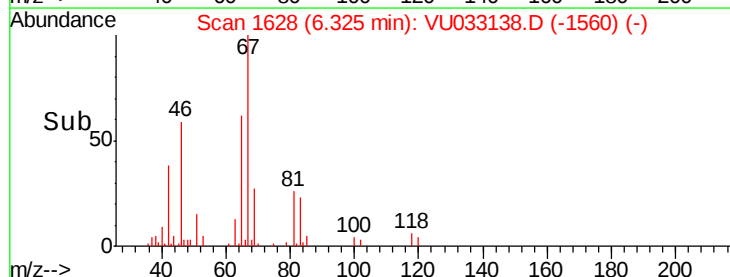
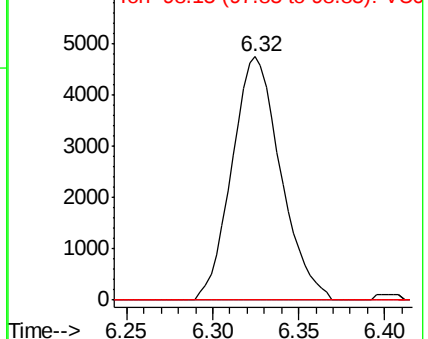
98 0.0 37.1 55.7#

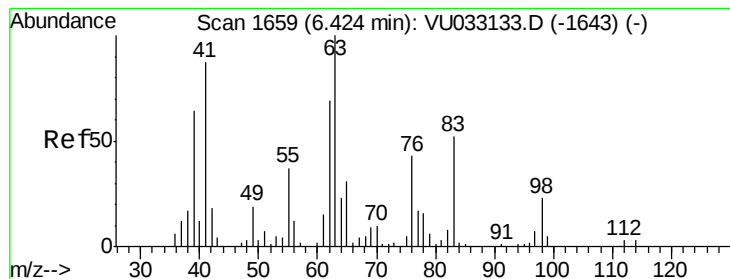


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.665 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033138.D

Acq: 02 Jul 2019 14:09

Instrument :

MSVOA_U

ClientSampleId :

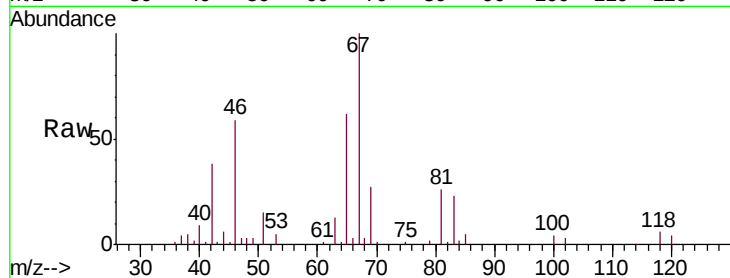
GAML2MS

Tgt Ion: 63 Resp: 5278

Ion Ratio Lower Upper

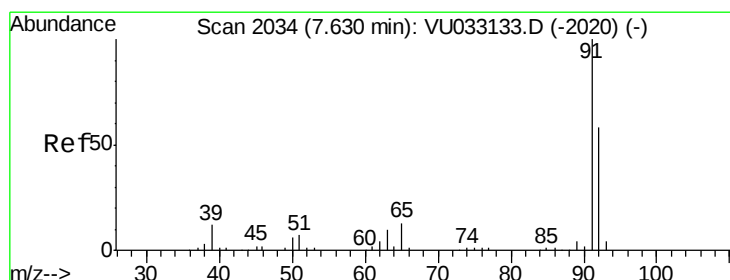
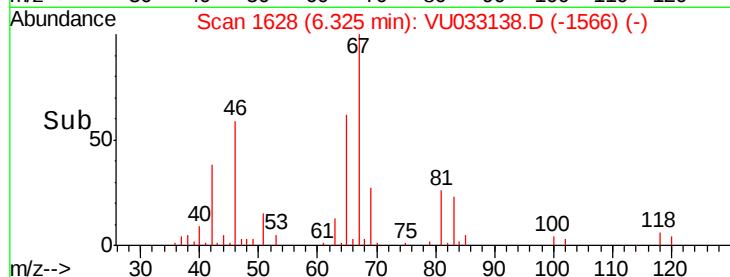
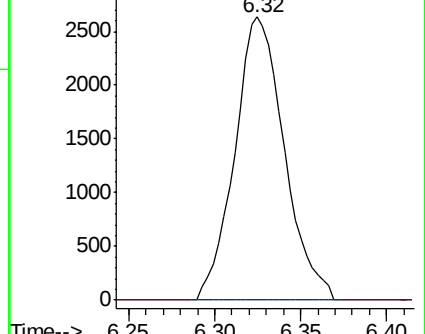
63 100

112 0.0 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VU033138.D (-1643) (-)

Ion 112.10 (111.80 to 112.80): VU033138.D (-1643) (-)



#42

Toluene

Concen: 4.457 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU033138.D

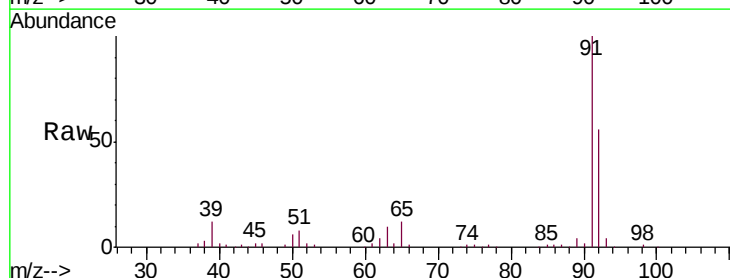
Acq: 02 Jul 2019 14:09

Tgt Ion: 91 Resp: 138484

Ion Ratio Lower Upper

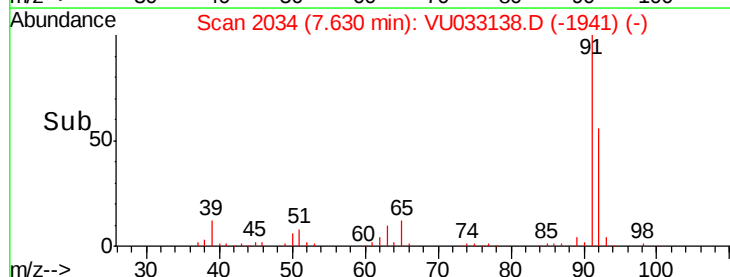
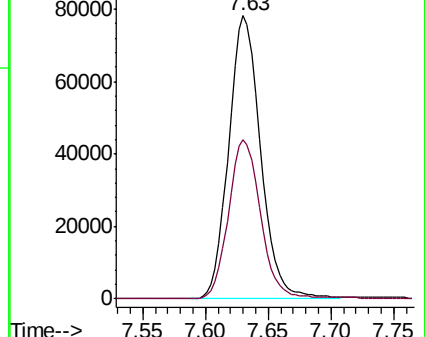
91 100

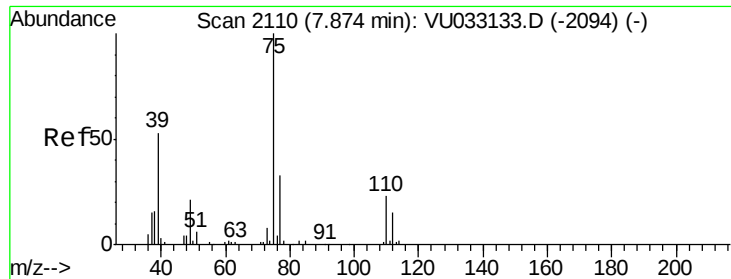
92 56.2 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU033138.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU033138.D (-2020) (-)

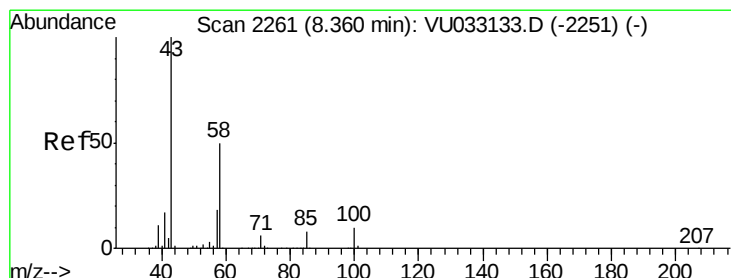
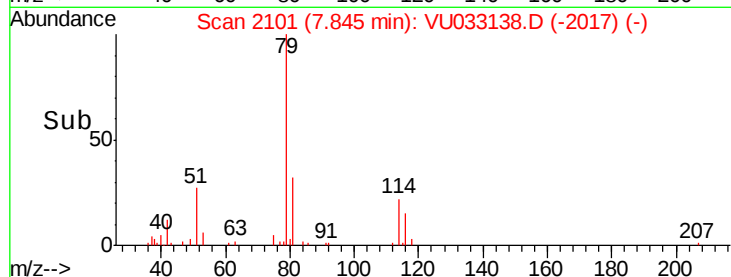
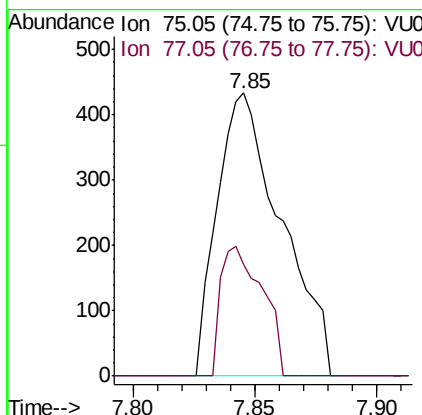
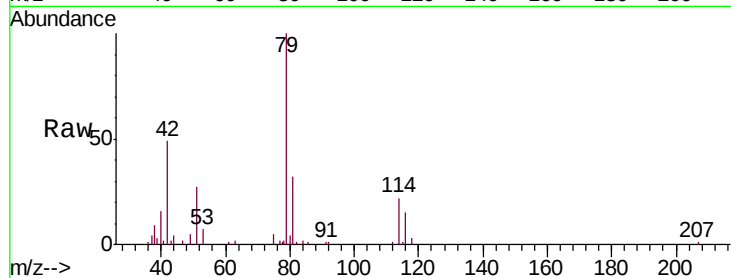




#44
 trans-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.03 min
 Lab File: VU033138.D
 Acq: 02 Jul 2019 14:09

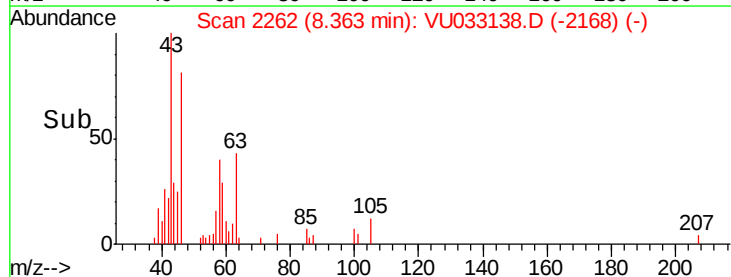
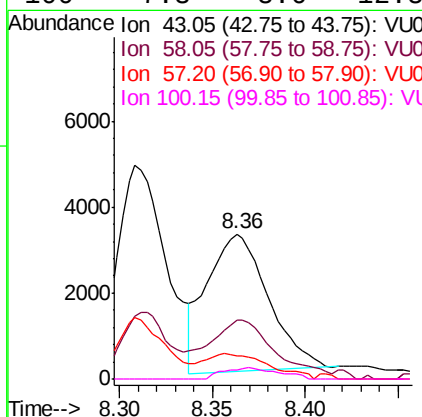
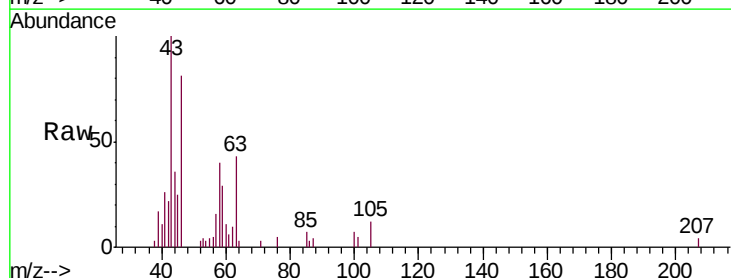
Instrument :
 MSVOA_U
 ClientSampleId :
 GAML2MS

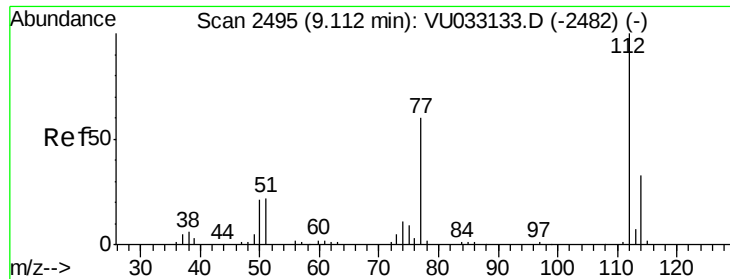
Tgt Ion: 75 Resp: 794
 Ion Ratio Lower Upper
 75 100
 77 39.7 21.6 40.2



#48
 2-Hexanone
 Concen: 1.834 ug/L
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU033138.D
 Acq: 02 Jul 2019 14:09

Tgt Ion: 43 Resp: 7332
 Ion Ratio Lower Upper
 43 100
 58 46.0 39.0 58.6
 57 19.0 13.9 20.9
 100 7.3 8.6 12.8#





#51

Chlorobenzene

Concen: 4.586 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU033138.D

Acq: 02 Jul 2019 14:09

Instrument :

MSVOA_U

ClientSampleId :

GAML2MS

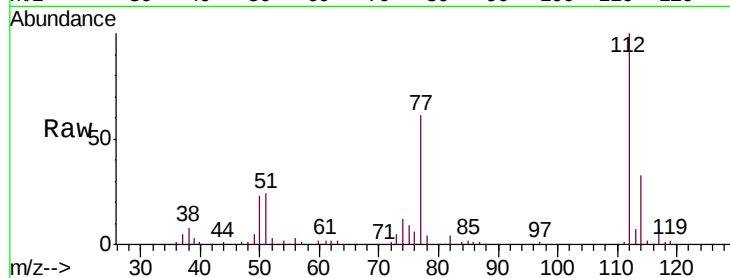
Tgt Ion:112 Resp: 93914

Ion Ratio Lower Upper

112 100

114 32.9 23.0 42.6

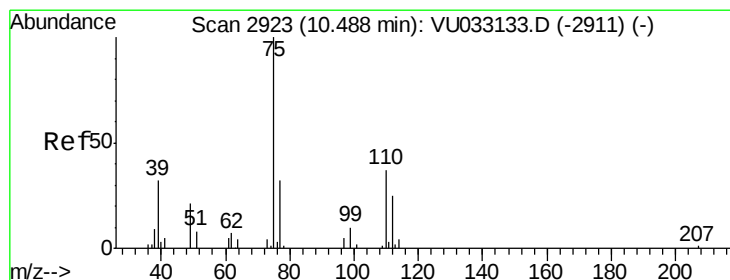
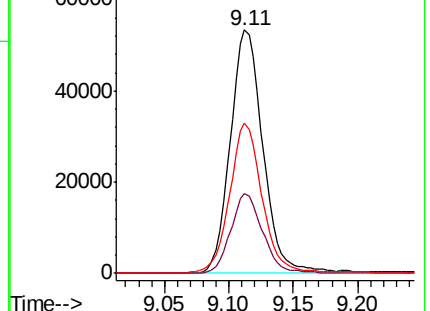
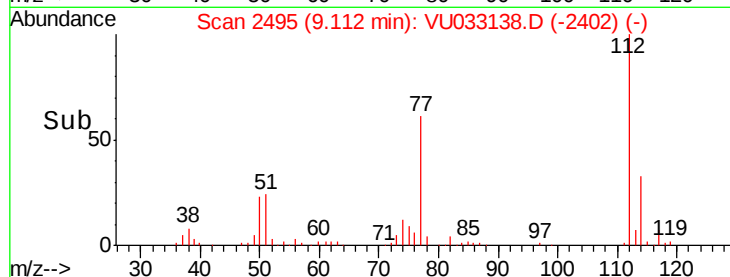
77 61.4 48.3 72.5



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): VU



#59

1,2,3-Trichloropropane

Concen: 1.124 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU033138.D

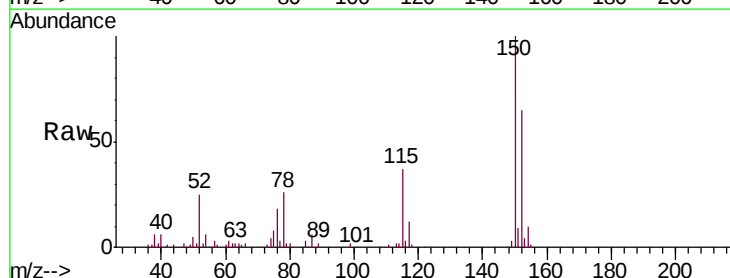
Acq: 02 Jul 2019 14:09

Tgt Ion: 75 Resp: 6071

Ion Ratio Lower Upper

75 100

77 40.8 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

