

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080819\
 Data File : VU033680.D
 Acq On : 09 Aug 2019 08:22
 Operator : JC/SP
 Sample : K4215-06 20X
 Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 09 14:41:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 09 14:36:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	328478	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	343170	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	176761	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	125525	33.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.70%
7) Chloroethane-d5	1.66	69	110420	35.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.36%
11) 1,1-Dichloroethene-d2	2.26	63	163586	27.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.58%#
21) 2-Butanone-d5	4.15	46	182815	67.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	67.32%
24) Chloroform-d	4.62	84	190618	31.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	62.04%#
26) 1,2-Dichloroethane-d4	5.29	65	140952	35.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.14%
32) Benzene-d6	5.32	84	436940	34.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.28%#
36) 1,2-Dichloropropane-d6	6.31	67	141231	34.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	69.42%#
41) Toluene-d8	7.55	98	417377	35.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	70.56%#
43) trans-1,3-Dichloropropene-	7.83	79	63269	31.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.54%
47) 2-Hexanone-d5	8.29	63	145526	71.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	71.44%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	217833	34.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	68.44%
64) 1,2-Dichlorobenzene-d4	11.84	152	173850	36.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.00%#

Target Compounds

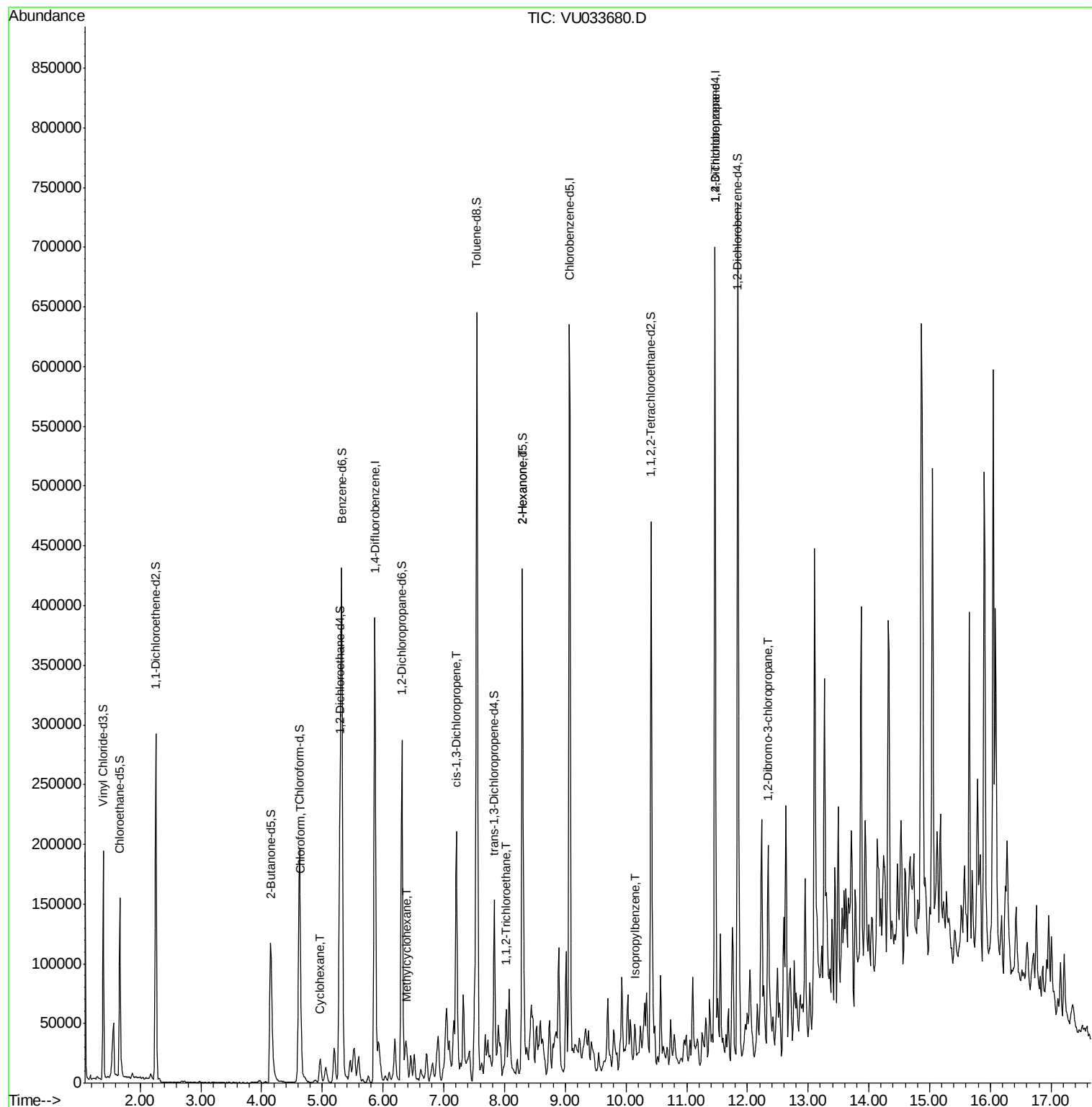
					Ovalue
25) Chloroform	4.65	83	25258	5.105 ug/L	98
29) Cyclohexane	4.97	56	5234	1.320 ug/L #	39
35) Methylcyclohexane	6.40	83	11292	2.653 ug/L #	68
39) cis-1,3-Dichloropropene	7.21	75	3638	0.835 ug/L #	17
45) 1,1,2-Trichloroethane	8.03	97	18373	6.584 ug/L #	20
48) 2-Hexanone	8.30	43	32591	9.307 ug/L #	48
56) Isopropylbenzene	10.15	105	10787	0.893 ug/L #	95
59) 1,2,3-Trichloropropane	11.47	75	20398	5.102 ug/L	89
66) 1,2-Dibromo-3-chloropropan	12.34	75	1453	1.295 ug/L #	8

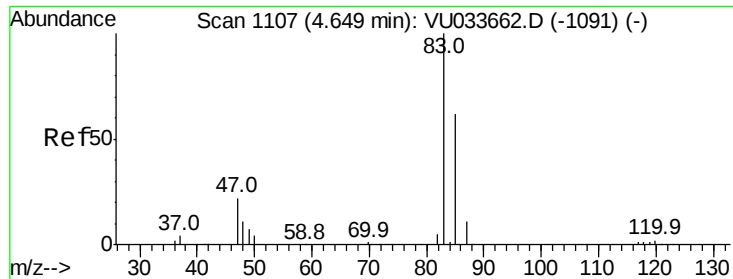
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 09 14:36:24 2019
Response via : Initial Calibration

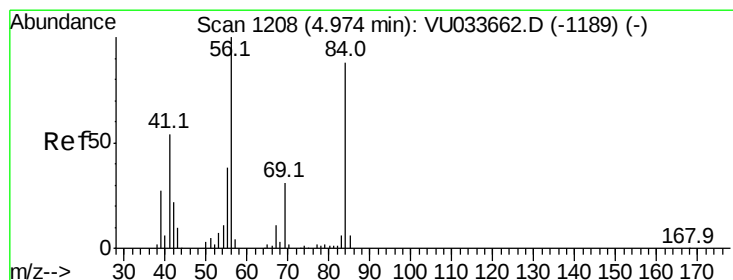
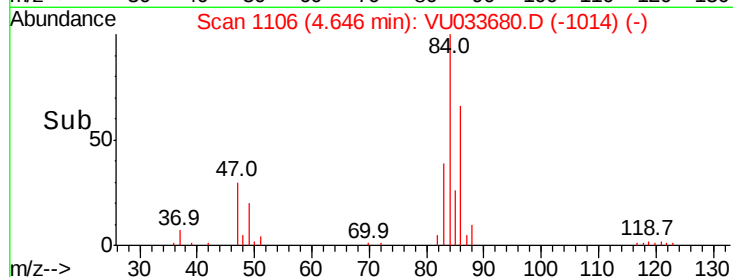
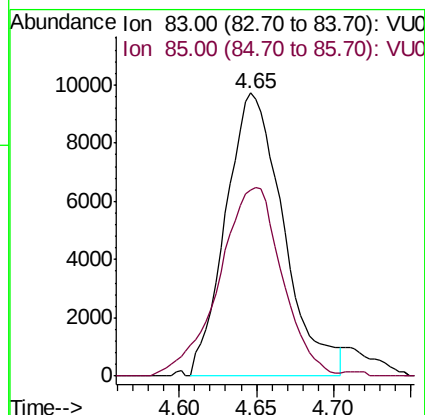
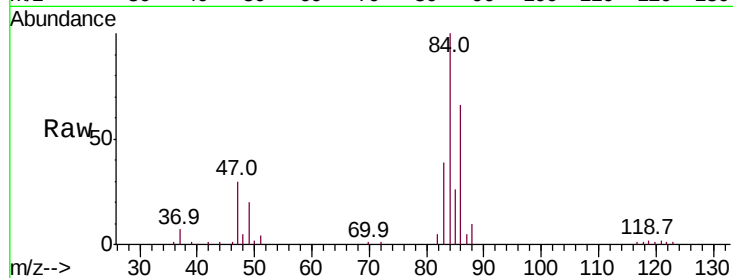




#25
Chloroform
Concen: 5.105 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033680.D
Acq: 09 Aug 2019 08:22

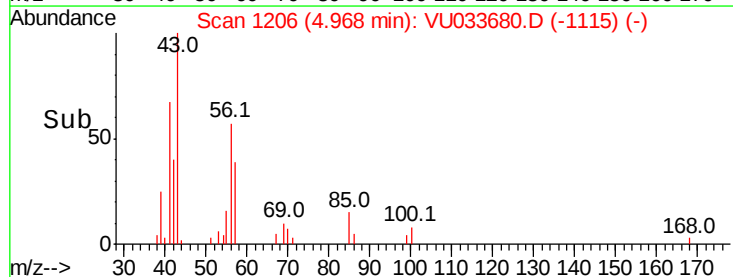
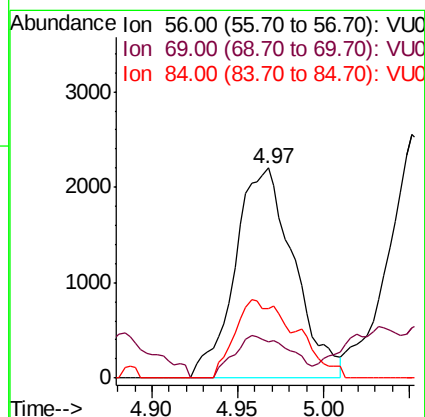
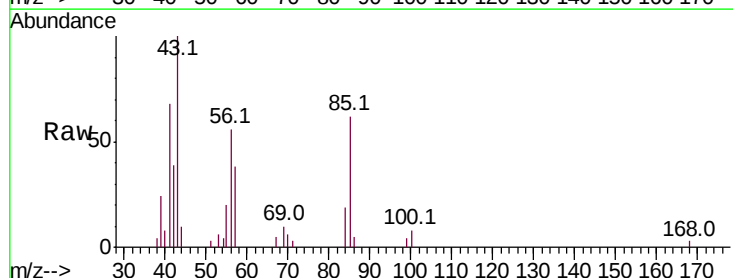
Instrument :
MSVOA_U
ClientSampled :

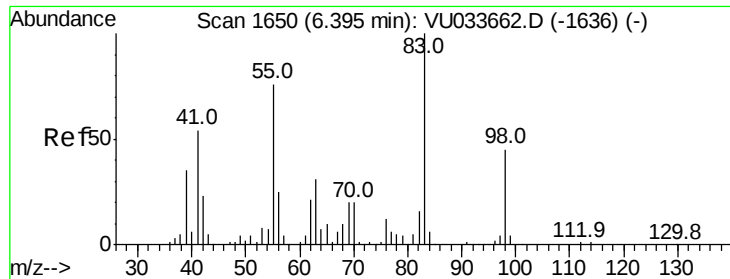
Tot Ion: 83 Resp: 25258
Ion Ratio Lower Upper
83 100
85 65.9 47.2 87.6



#29
Cyclohexane
Concen: 1.320 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.01 min
Lab File: VU033680.D
Acq: 09 Aug 2019 08:22

Tgt Ion: 56 Resp: 5234
Ion Ratio Lower Upper
56 100
69 19.4 25.2 37.8#
84 18.1 70.2 105.2#

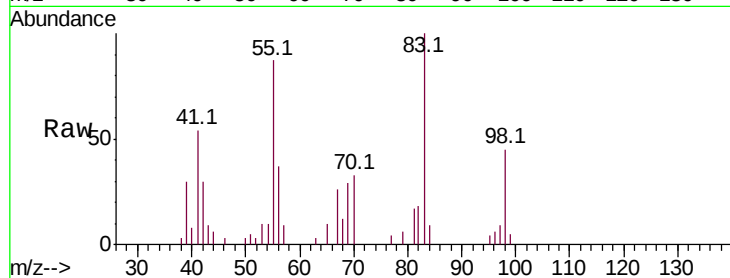




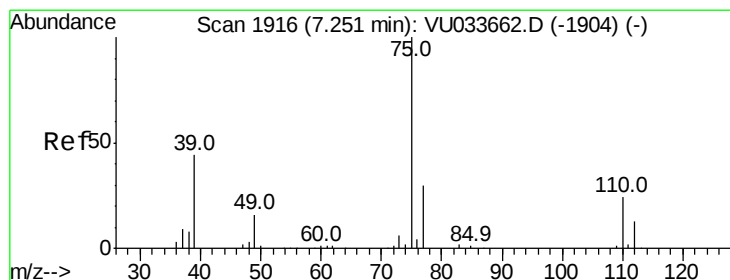
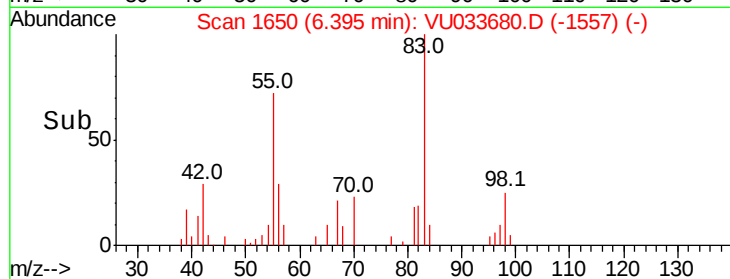
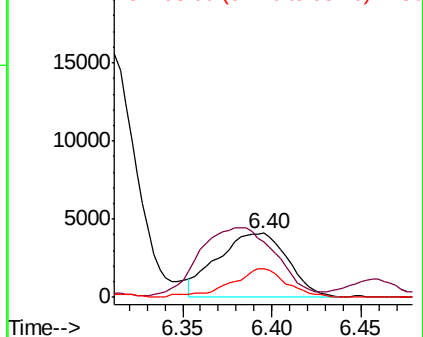
#35
Methylcyclohexane
Concen: 2.653 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU033680.D
Acq: 09 Aug 2019 08:22

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 11292
Ion Ratio Lower Upper
83 100
55 112.9 61.3 91.9#
98 35.6 36.7 55.1#

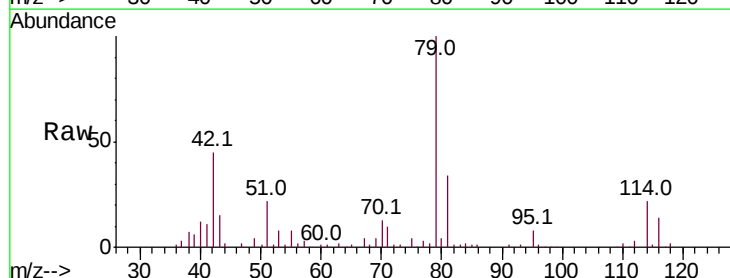


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

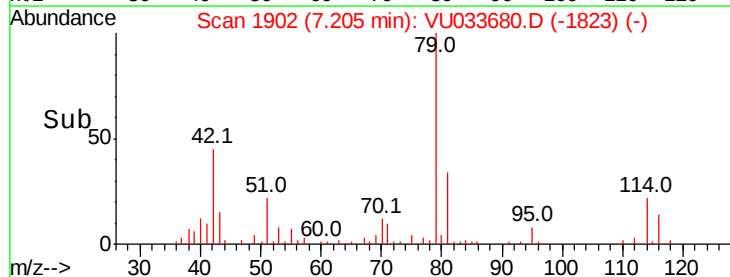
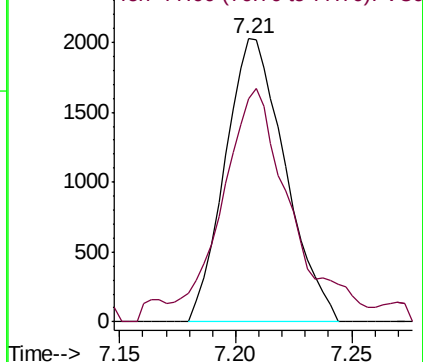


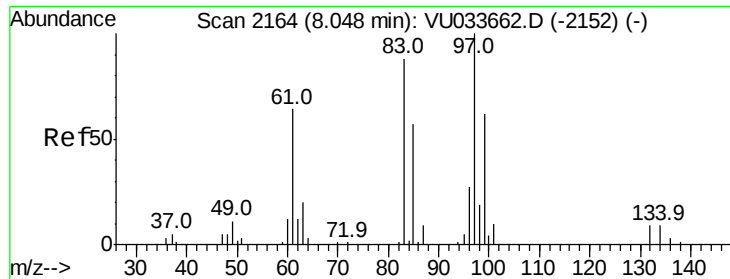
#39
cis-1,3-Dichloropropene
Concen: 0.835 ug/L
RT: 7.21 min Scan# 1902
Delta R.T. -0.05 min
Lab File: VU033680.D
Acq: 09 Aug 2019 08:22

Tgt Ion: 75 Resp: 3638
Ion Ratio Lower Upper
75 100
77 78.7 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 6.584 ug/L

RT: 8.03 min Scan# 2158

Delta R.T. -0.02 min

Lab File: VU033680.D

Acq: 09 Aug 2019 08:22

Instrument :

MSVOA_U

ClientSampled :

Tot Ion: 97 Resp: 18373

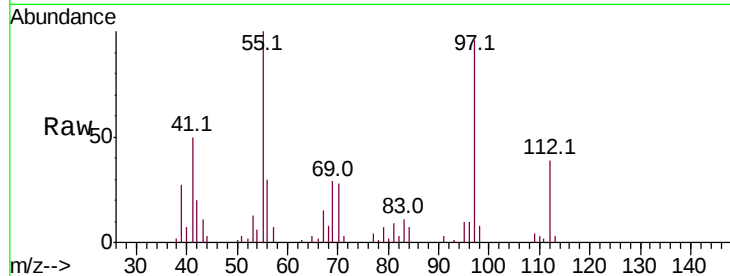
Ion Ratio Lower Upper

97 100

99 0.0 44.0 81.6#

83 11.6 60.6 112.6#

85 0.0 39.9 74.1#

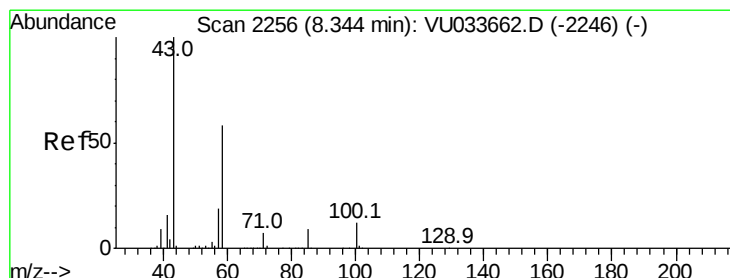
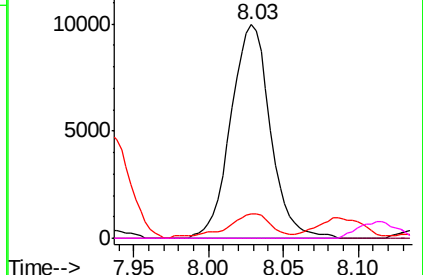
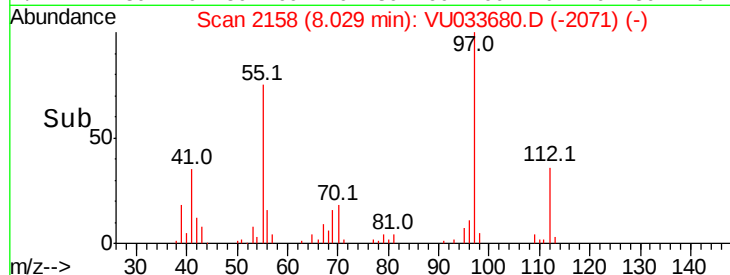


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#48

2-Hexanone

Concen: 9.307 ug/L

RT: 8.30 min Scan# 2242

Delta R.T. -0.05 min

Lab File: VU033680.D

Acq: 09 Aug 2019 08:22

Tgt Ion: 43 Resp: 32591

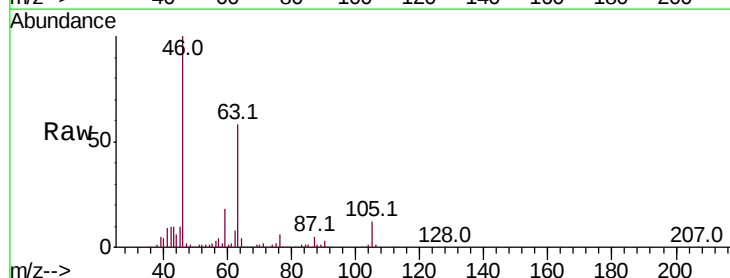
Ion Ratio Lower Upper

43 100

58 18.7 44.8 67.2#

57 50.2 15.5 23.3#

100 0.0 9.4 14.2#

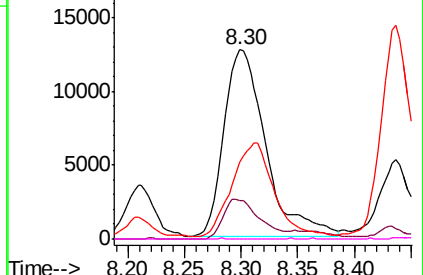
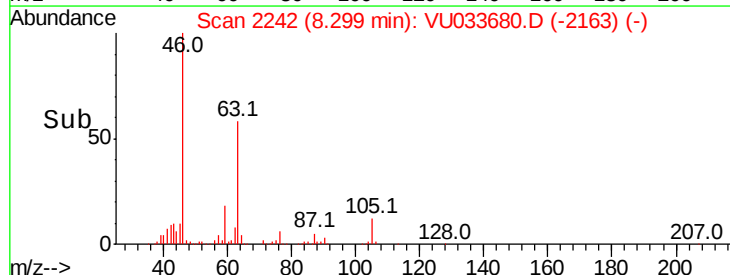


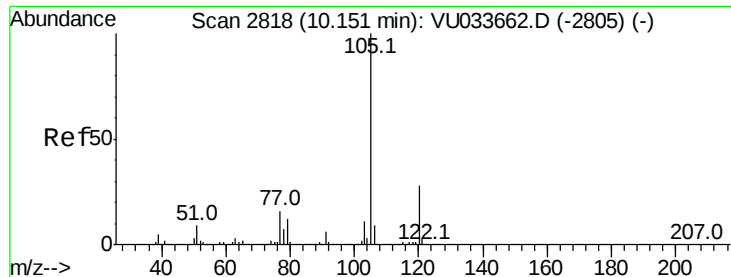
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#56

Isopropylbenzene

Concen: 0.893 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033680.D

Acq: 09 Aug 2019 08:22

Instrument :

MSVOA_U

ClientSampleId :

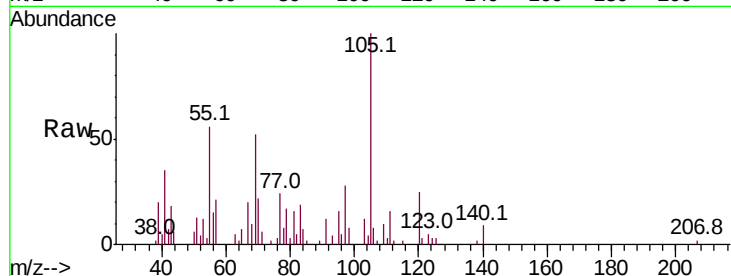
Tot Ion:105 Resp: 10787

Ion Ratio Lower Upper

105 100

120 25.2 21.5 32.3

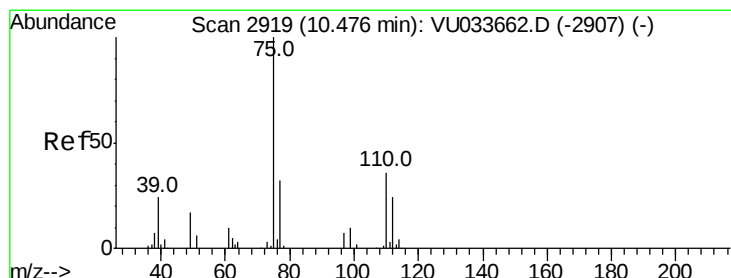
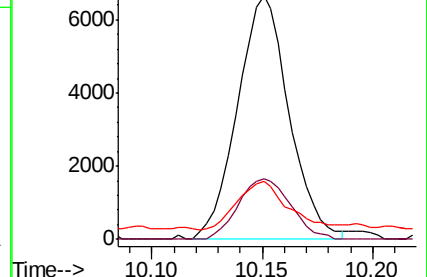
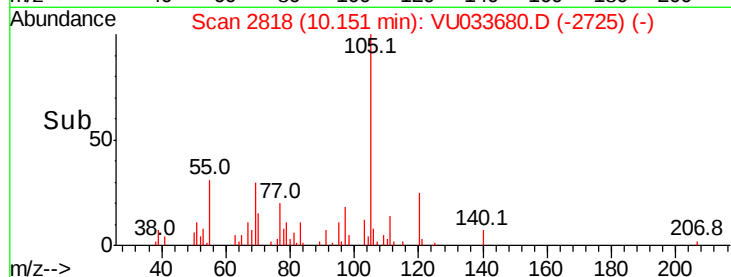
77 19.1 12.4 18.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#59

1,2,3-Trichloropropane

Concen: 5.102 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033680.D

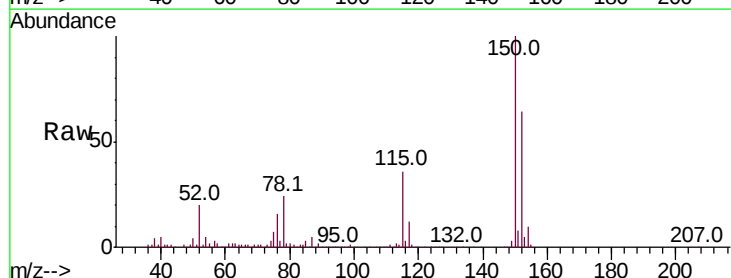
Acq: 09 Aug 2019 08:22

Tgt Ion: 75 Resp: 20398

Ion Ratio Lower Upper

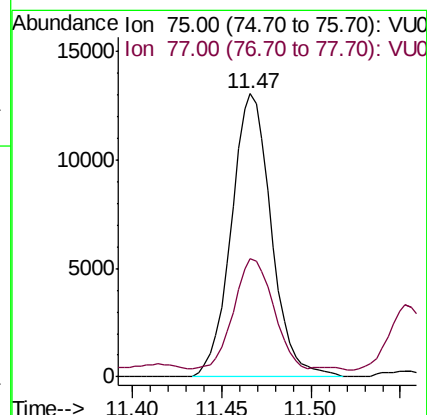
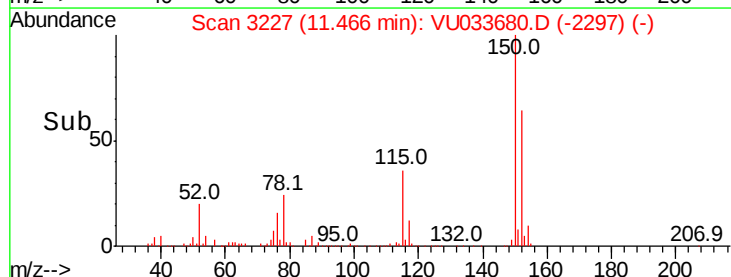
75 100

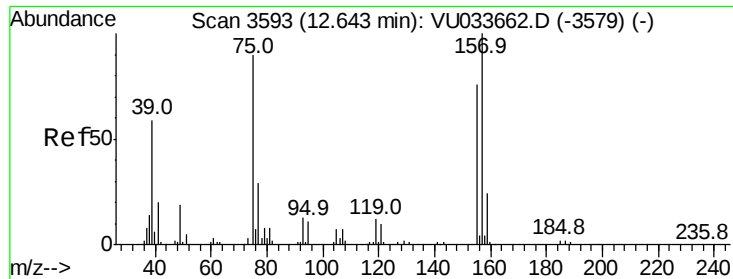
77 37.9 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#66

1,2-Dibromo-3-chloropropane

Concen: 1.295 ug/L

RT: 12.34 min Scan# 3499

Delta R.T. -0.30 min

Lab File: VU033680.D

Acq: 09 Aug 2019 08:22

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 1453

Ion Ratio Lower Upper

75 100

155 14.0 65.8 98.8#

157 0.0 86.9 130.3#

