

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
 Data File : VU035287.D
 Acq On : 19 Oct 2019 00:14
 Operator : JC/SP
 Sample : VU1018WBL02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 06:16:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 19 06:13:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	314066	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	303014	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	118177	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	81064	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.93	69	76534	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.59	63	108170	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	4.71	46	274591	49.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.80%
24) Chloroform-d	5.11	84	163955	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.75	65	93377	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.77	84	311181	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.74	67	108766	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.93	98	277311	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	8.22	79	42549	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.69	63	213548	45.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.70%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	94379	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	98942	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

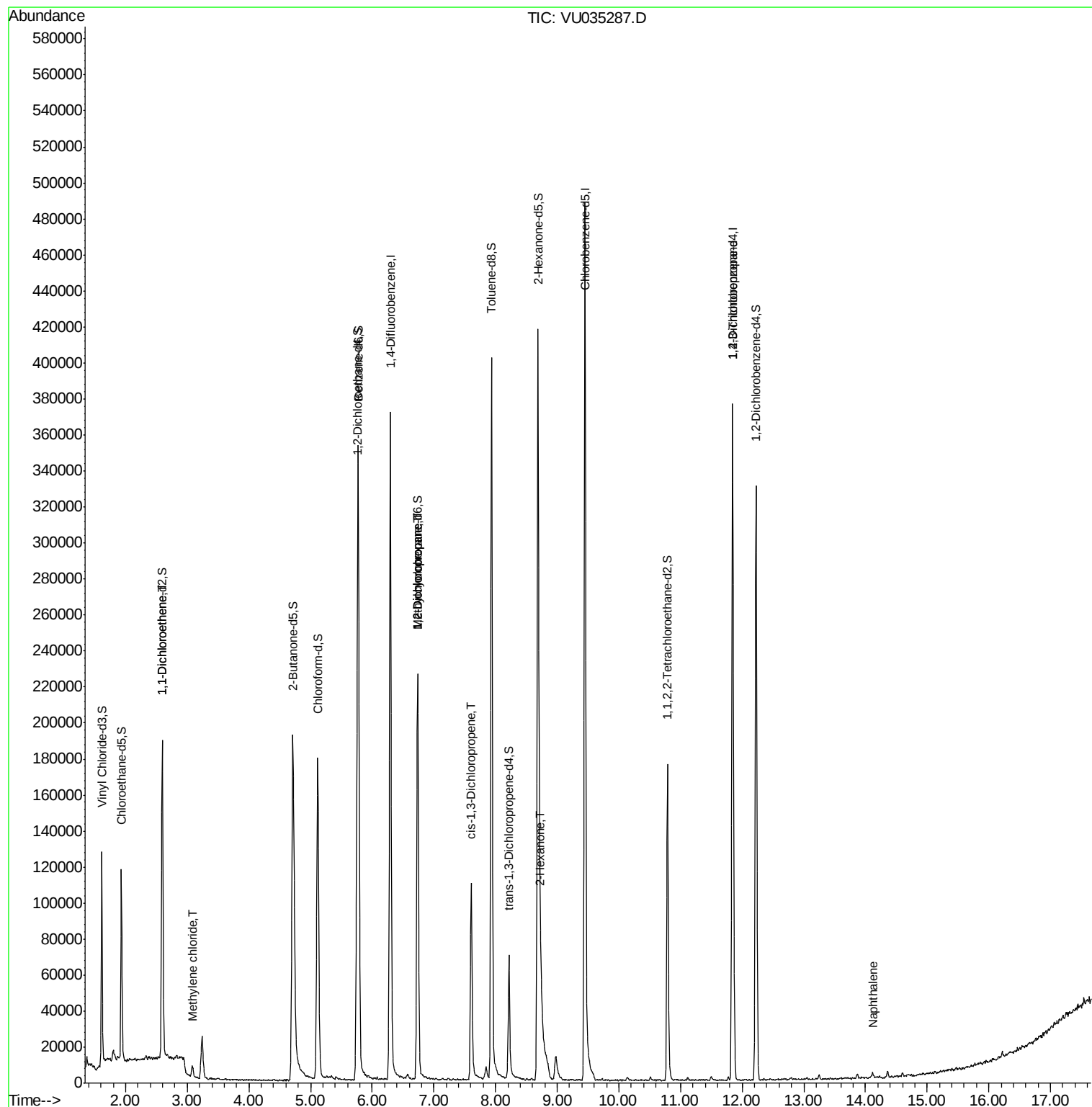
					Ovalue
12) 1,1-Dichloroethene	2.59	96	1378	0.068 ug/L #	1
16) Methylene chloride	3.08	84	3196	0.132 ug/L	89
35) Methylcyclohexane	6.74	83	25371	0.633 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	11584	0.512 ug/L #	86
39) cis-1,3-Dichloropropene	7.61	75	2763	0.073 ug/L #	61
48) 2-Hexanone	8.74	43	15288	1.427 ug/L #	69
59) 1,2,3-Trichloropropane	11.84	75	14281	0.906 ug/L	91
69) Naphthalene	14.11	128	2623	0.115 ug/L #	91

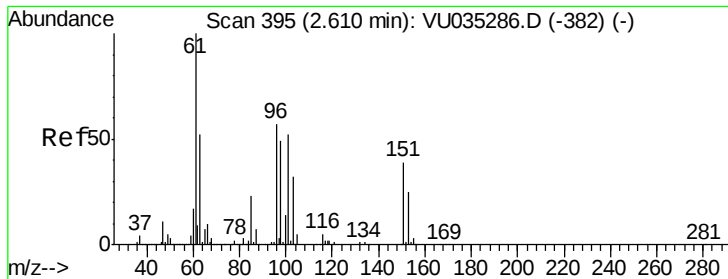
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 19 06:13:43 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.068 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.02 min

Lab File: VU035287.D

Acq: 19 Oct 2019 00:14

Instrument :

MSVOA_U

ClientSampleId :

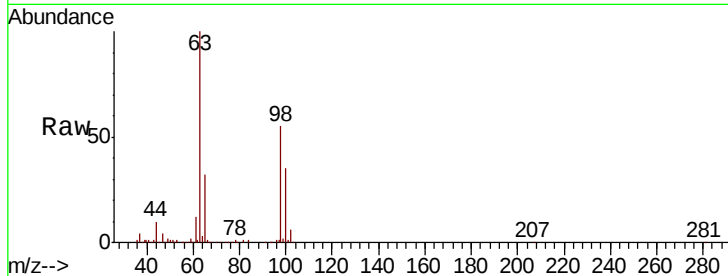
Tot Ion: 96 Resp: 1378

Ion Ratio Lower Upper

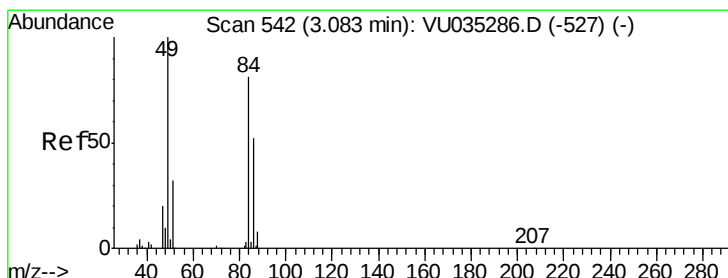
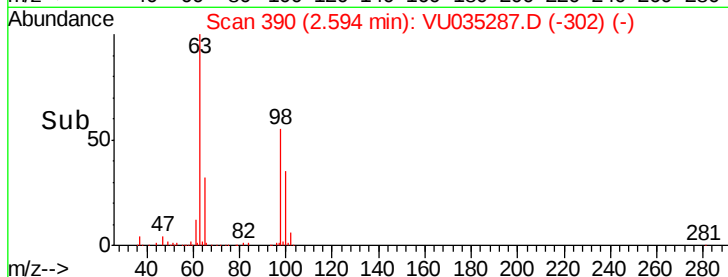
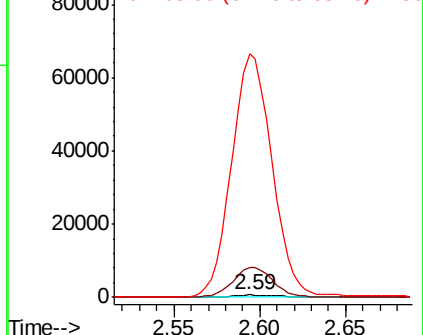
96 100

61 1195.3 120.6 224.0#

63 9666.3 86.8 161.2#



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



#16

Methylene chloride

Concen: 0.132 ug/L

RT: 3.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU035287.D

Acq: 19 Oct 2019 00:14

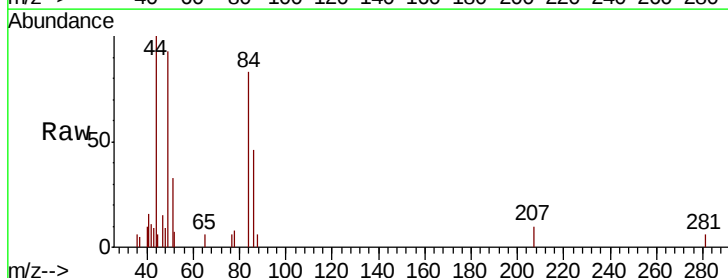
Tgt Ion: 84 Resp: 3196

Ion Ratio Lower Upper

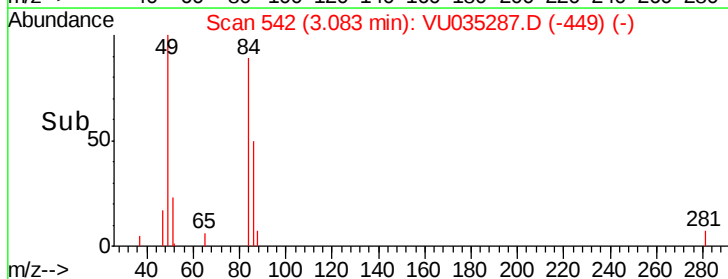
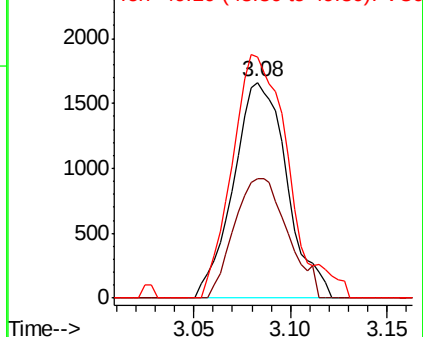
84 100

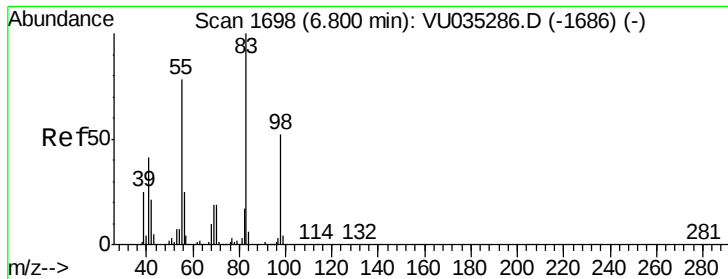
86 55.7 45.4 84.2

49 111.9 86.8 161.2



Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

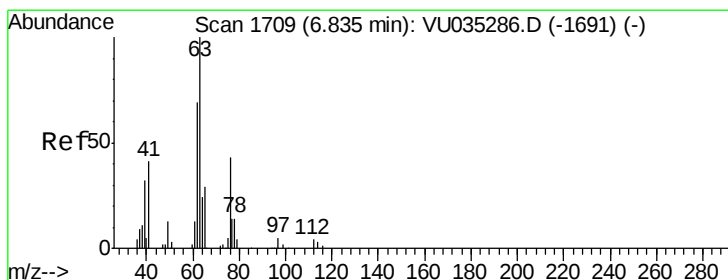
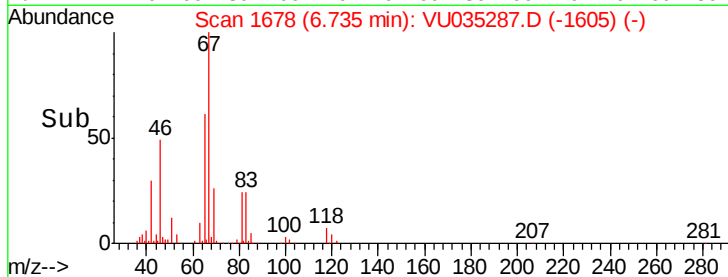
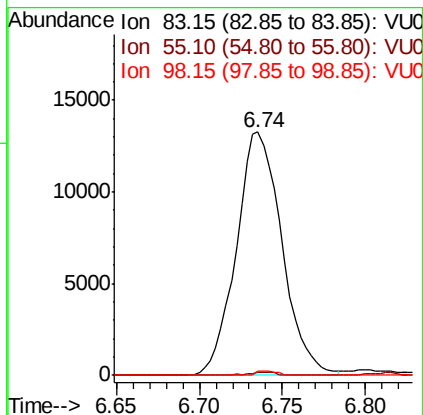
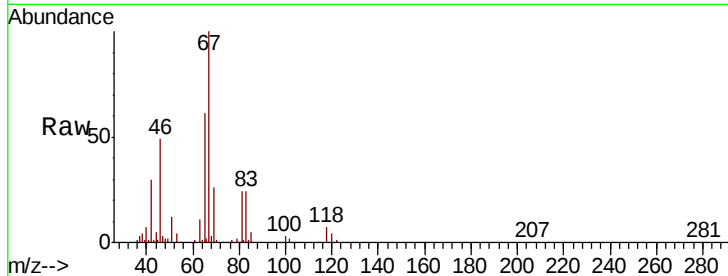




#35
Methvlcvclohexane
Concen: 0.633 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035287.D
Acq: 19 Oct 2019 00:14

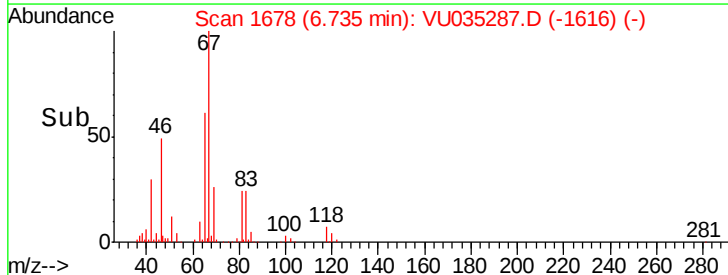
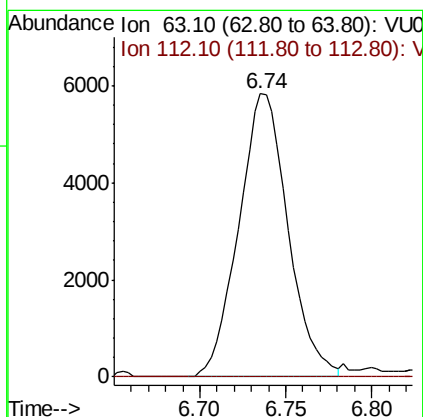
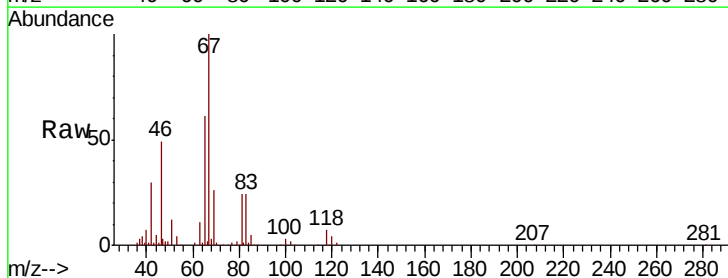
Instrument :
MSVOA_U
ClientSampleId :

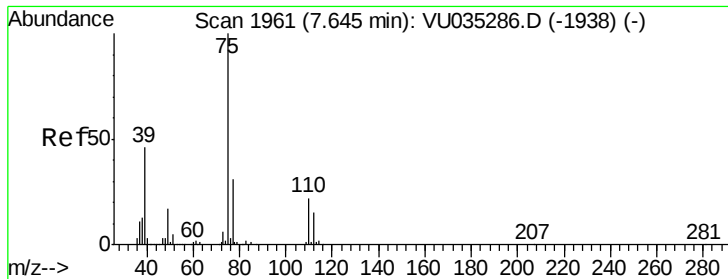
Tot Ion: 83 Resp: 25371
Ion Ratio Lower Upper
83 100
55 0.7 60.4 90.6#
98 0.8 39.5 59.3#



#37
1,2-Dichloropropane
Concen: 0.512 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035287.D
Acq: 19 Oct 2019 00:14

Tgt Ion: 63 Resp: 11584
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#





#39

cis-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU035287.D

Acq: 19 Oct 2019 00:14

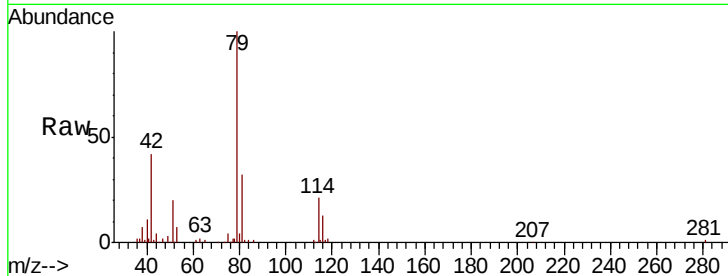
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 2763

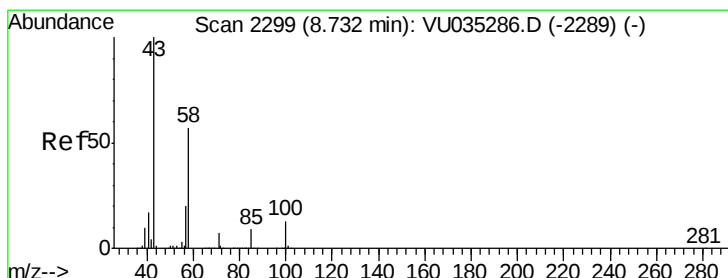
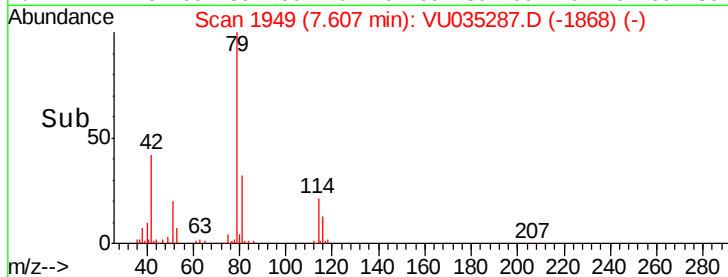
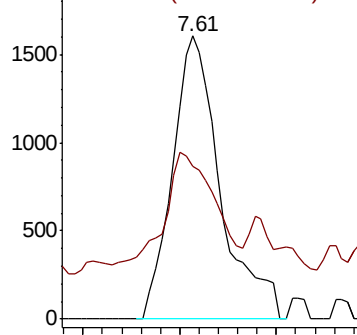
Ion Ratio Lower Upper

75 100

77 54.2 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 1.427 ug/L

RT: 8.74 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VU035287.D

Acq: 19 Oct 2019 00:14

Tgt Ion: 43 Resp: 15288

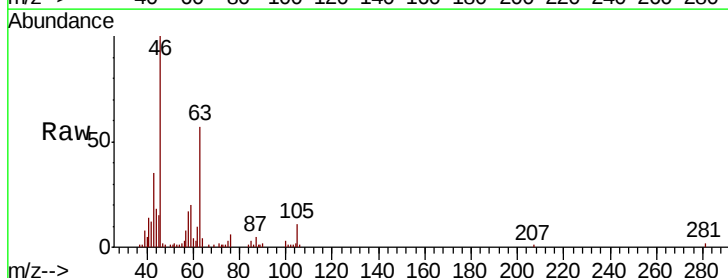
Ion Ratio Lower Upper

43 100

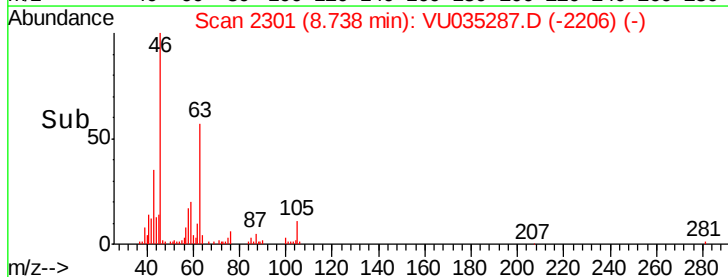
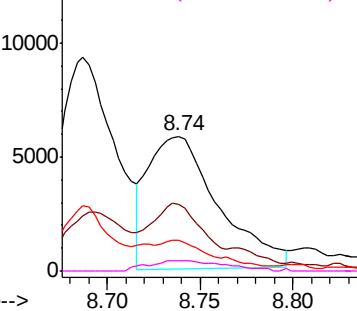
58 24.5 45.1 67.7#

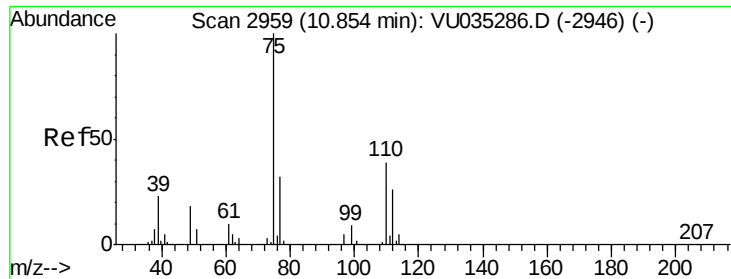
57 16.1 16.0 24.0

100 8.7 10.4 15.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 0.906 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035287.D

Acq: 19 Oct 2019 00:14

Instrument :

MSVOA_U

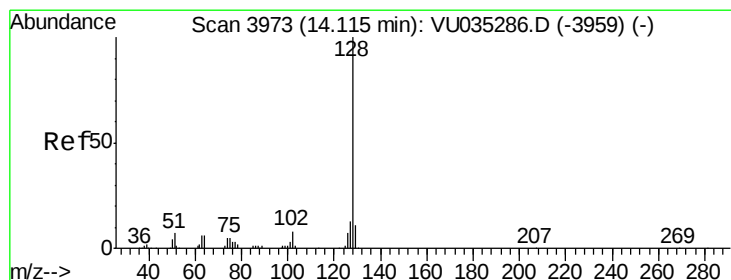
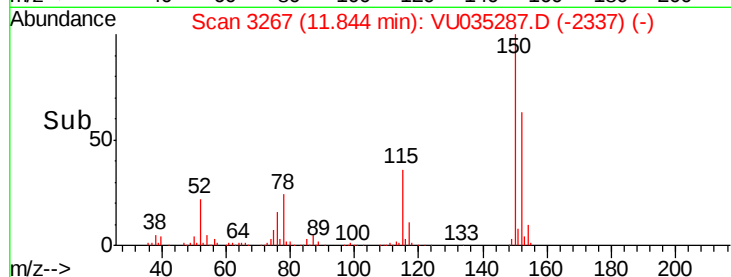
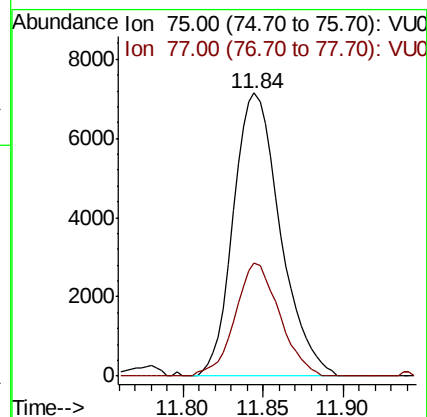
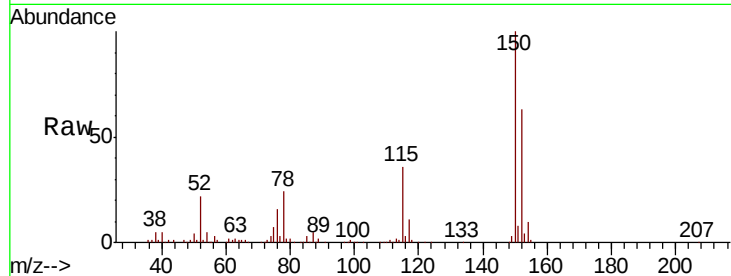
ClientSampleId :

Tot Ion: 75 Resp: 14281

Ion Ratio Lower Upper

75 100

77 37.8 26.2 39.2



#69

Naphthalene

Concen: 0.115 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU035287.D

Acq: 19 Oct 2019 00:14

Tgt Ion: 128 Resp: 2623

Ion Ratio Lower Upper

128 100

129 8.1 8.6 13.0#

127 9.5 10.7 16.1#

