

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122019\
 Data File : VU036316.D
 Acq On : 20 Dec 2019 14:20
 Operator : JC/MD
 Sample : K6282-14DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDX0DL

Quant Time: Dec 20 22:23:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 20 22:20:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	229996	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	260120	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	102250	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	96937	4.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.80%
7) Chloroethane-d5	1.93	69	90840	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.59	63	101607	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.68	46	172745	45.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.06%
24) Chloroform-d	5.11	84	152196	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.75	65	82847	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.77	84	279462	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.73	67	90985	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.93	98	222573	3.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.40%
43) trans-1,3-Dichloropropene-	8.21	79	34943	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.67	63	134336	41.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.90%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	82737	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	89643	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

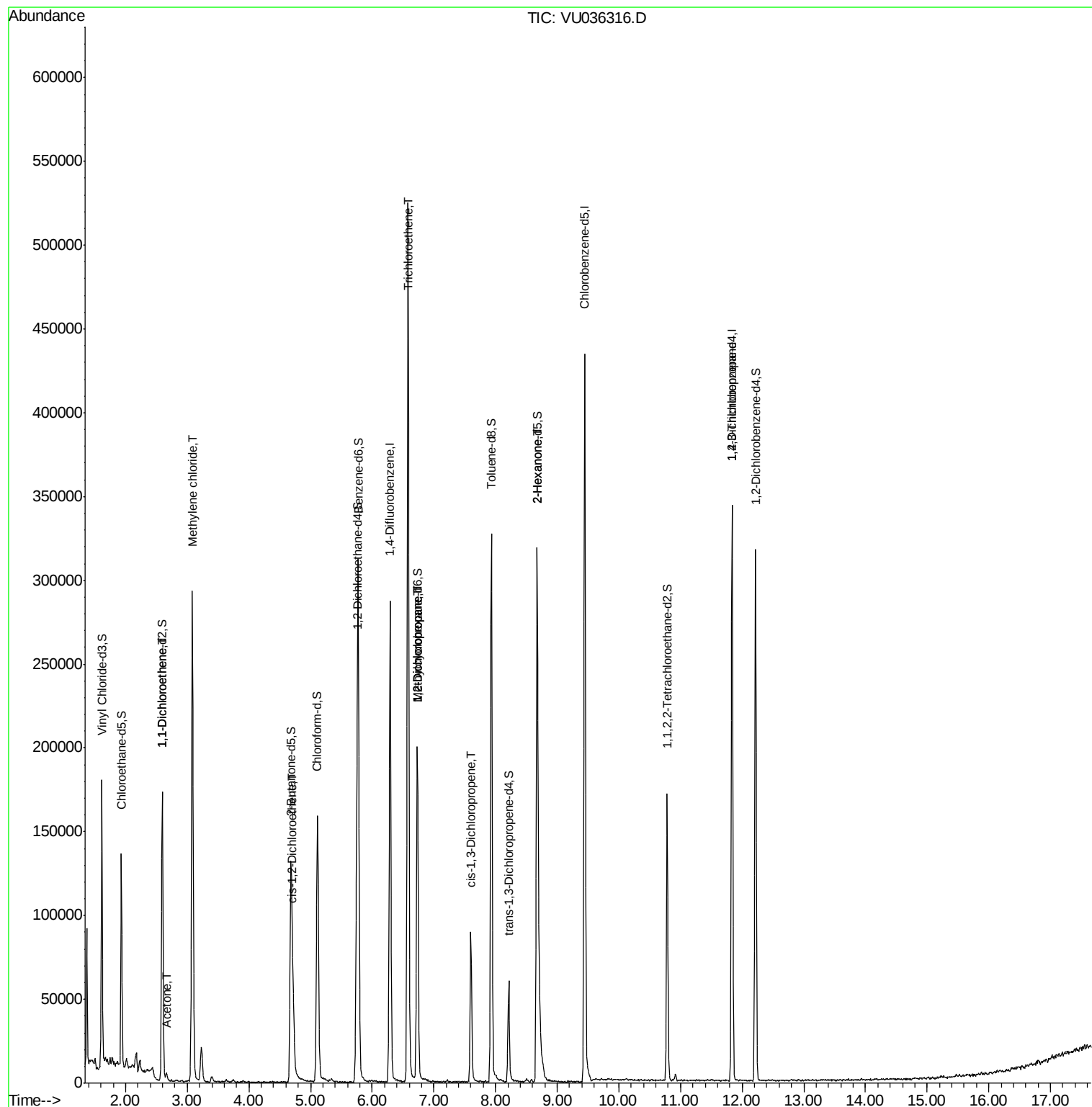
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	1846	0.108	ug/L #	1
13) Acetone	2.66	43	5218	1.578	ug/L	99
16) Methylene chloride	3.08	84	144944	5.779	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	18477	0.964	ug/L	87
34) Trichloroethene	6.58	95	177984	8.636	ug/L	98
35) Methylcyclohexane	6.73	83	22553	0.770	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	10385	0.509	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2552	0.092	ug/L #	62
48) 2-Hexanone	8.67	43	17485	2.196	ug/L #	65
59) 1,2,3-Trichloropropane	11.83	75	10995	0.811	ug/L	99

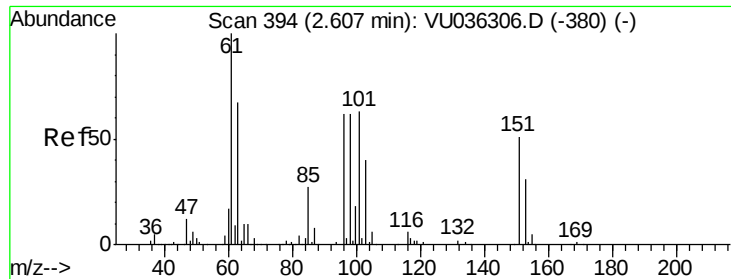
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.108 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036316.D

Acq: 20 Dec 2019 14:20

Instrument :

MSVOA_U

ClientSampleId :

BFDX0DL

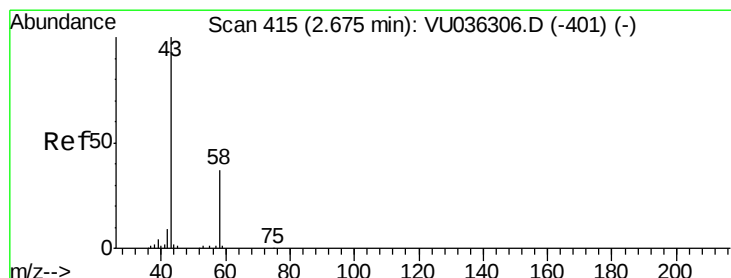
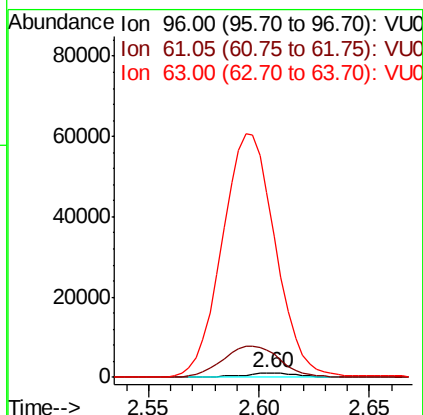
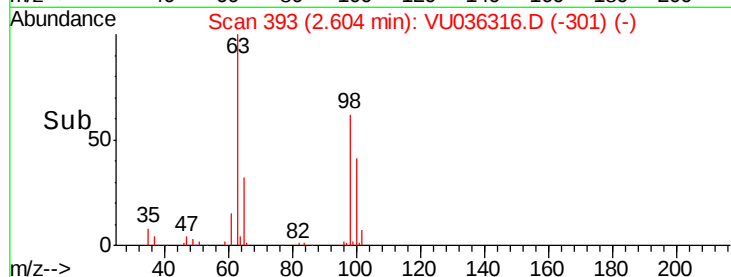
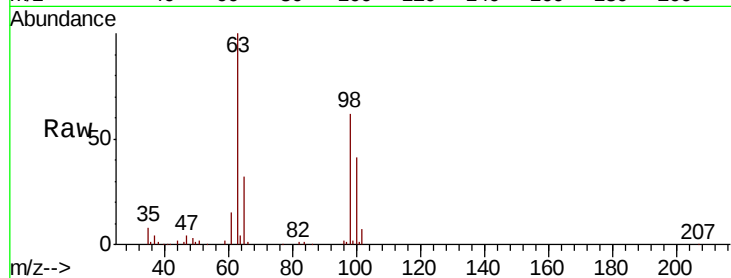
Tot Ion: 96 Resp: 1846

Ion Ratio Lower Upper

96 100

61 641.3 114.0 211.8#

63 4294.0 63.6 118.0#



#13

Acetone

Concen: 1.578 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU036316.D

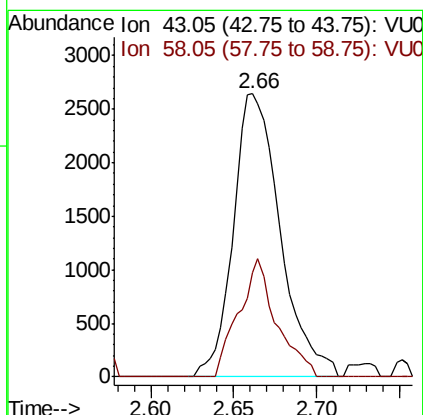
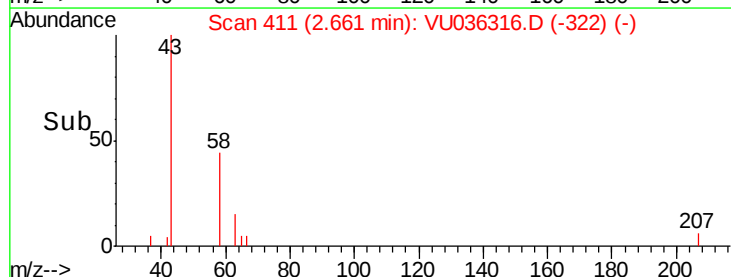
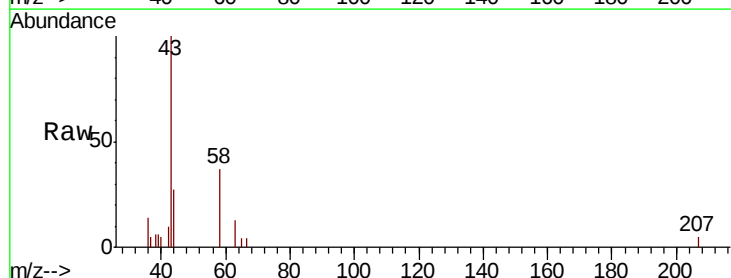
Acq: 20 Dec 2019 14:20

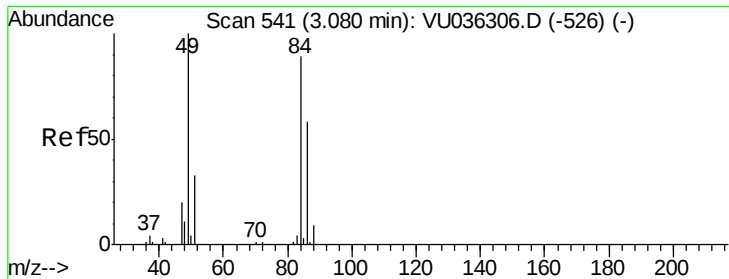
Tgt Ion: 43 Resp: 5218

Ion Ratio Lower Upper

43 100

58 33.4 0.0 67.6

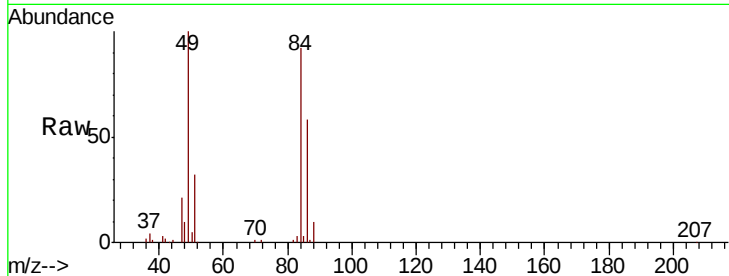




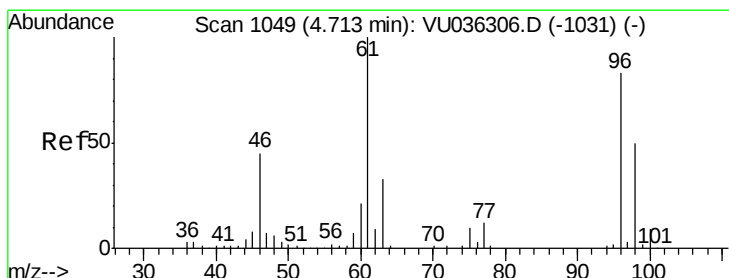
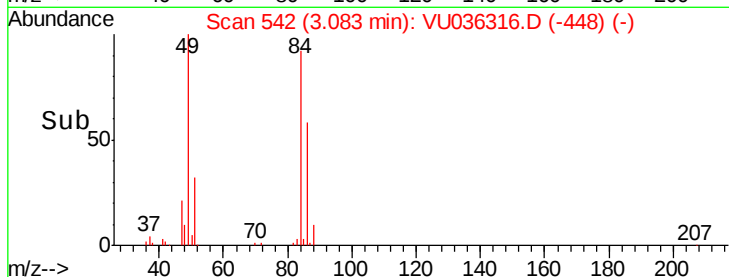
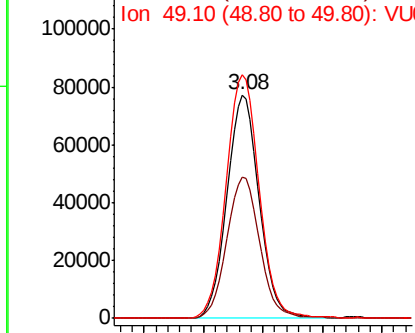
#16
Methvlene chloride
Concen: 5.779 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036316.D
Acq: 20 Dec 2019 14:20

Instrument :
MSVOA_U
ClientSampled :
BFDX0DL

Tot Ion: 84 Resp: 144944
Ion Ratio Lower Upper
84 100
86 62.9 43.0 79.8
49 108.9 77.3 143.5

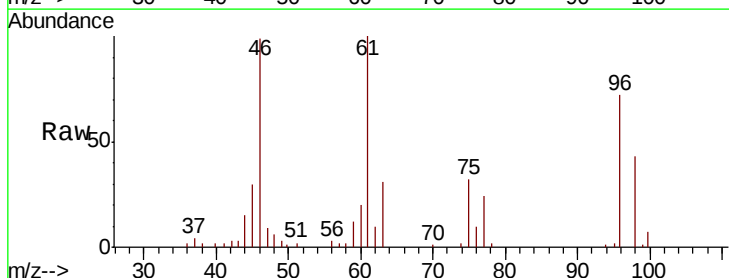


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

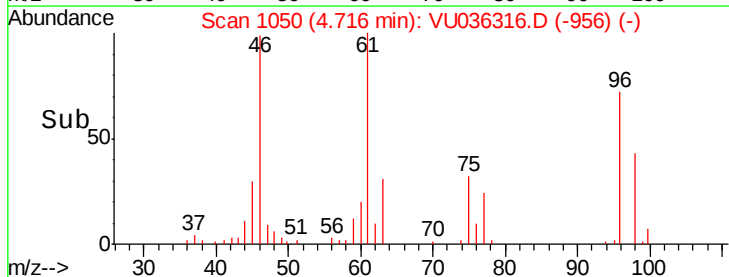
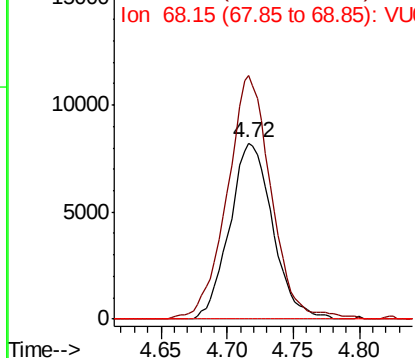


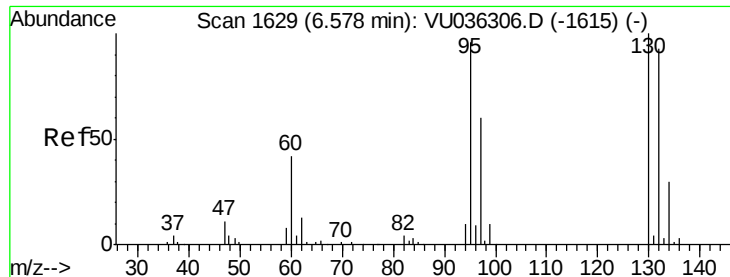
#22
cis-1,2-Dichloroethene
Concen: 0.964 ug/L
RT: 4.72 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU036316.D
Acq: 20 Dec 2019 14:20

Tgt Ion: 96 Resp: 18477
Ion Ratio Lower Upper
96 100
61 138.2 86.7 161.1
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





#34

Trichloroethene

Concen: 8.636 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036316.D

Acq: 20 Dec 2019 14:20

Instrument :

MSVOA_U

ClientSampled :

BFDX0DL

Tot Ion: 95 Resp: 177984

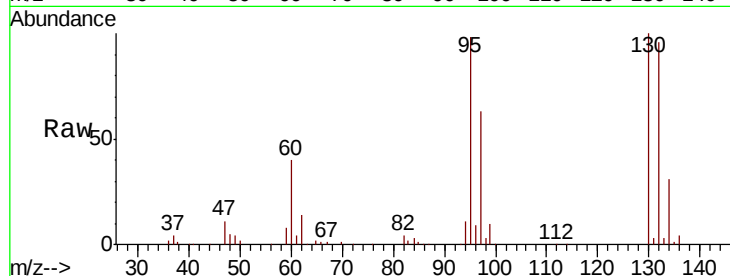
Ion Ratio Lower Upper

95 100

97 64.5 43.6 81.0

132 98.0 69.6 129.2

130 102.4 70.3 130.7

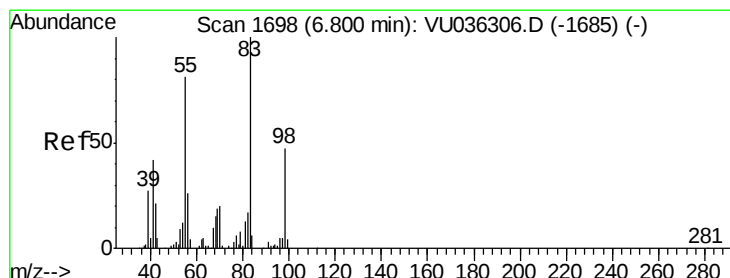
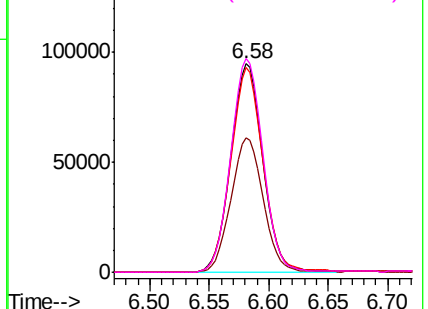
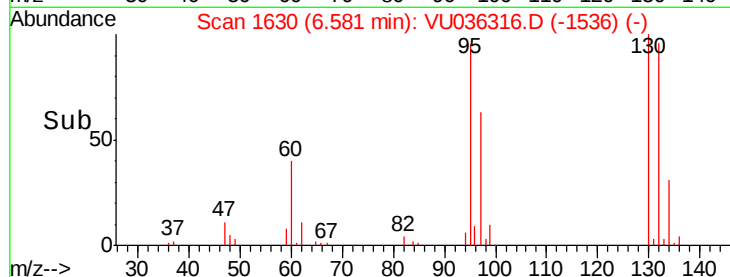


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.770 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036316.D

Acq: 20 Dec 2019 14:20

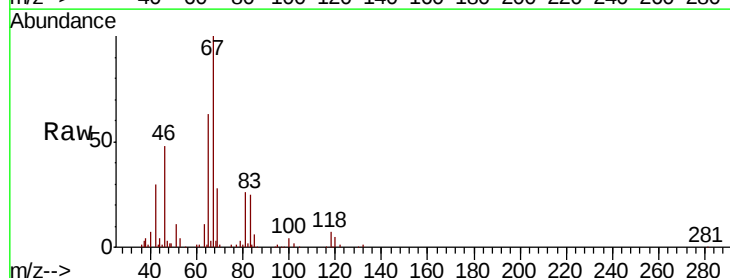
Tgt Ion: 83 Resp: 22553

Ion Ratio Lower Upper

83 100

55 0.1 62.6 94.0#

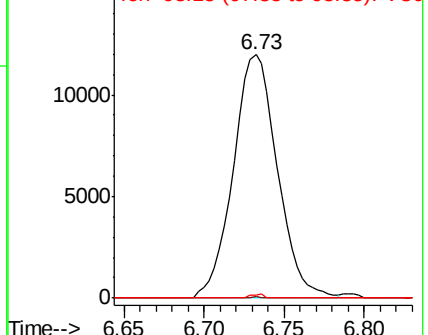
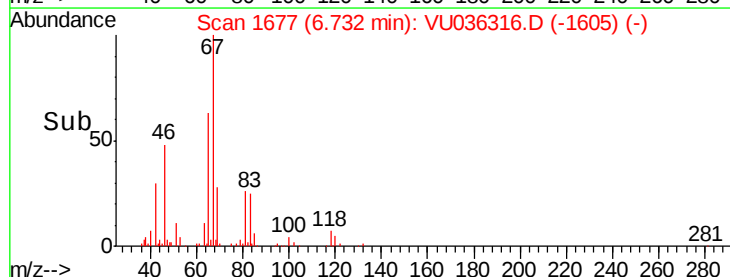
98 0.7 36.2 54.2#

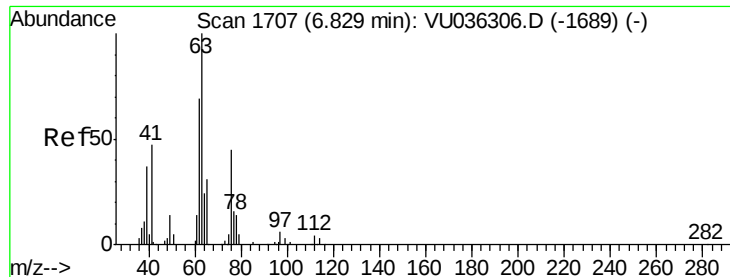


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.509 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036316.D

Acq: 20 Dec 2019 14:20

Instrument :

MSVOA_U

ClientSampleId :

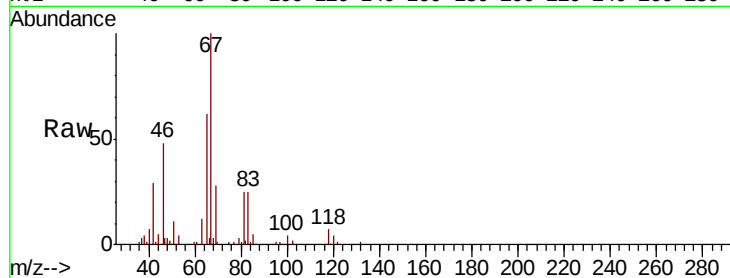
BFDX0DL

Tot Ion: 63 Resp: 10385

Ion Ratio Lower Upper

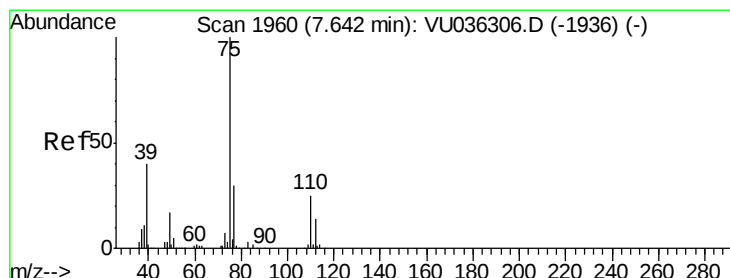
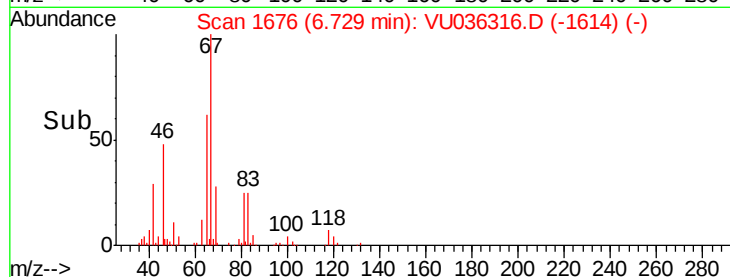
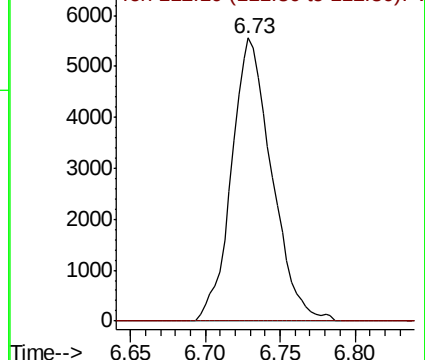
63 100

112 0.4 3.8 5.8#



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: 0.092 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU036316.D

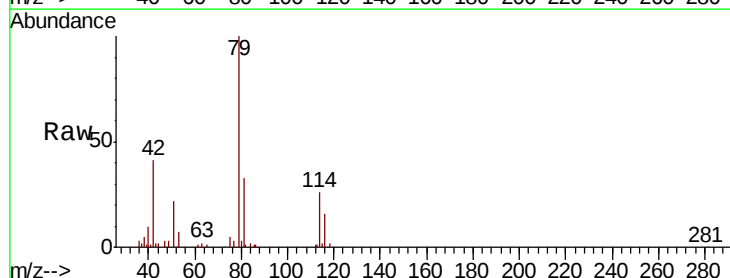
Acq: 20 Dec 2019 14:20

Tgt Ion: 75 Resp: 2552

Ion Ratio Lower Upper

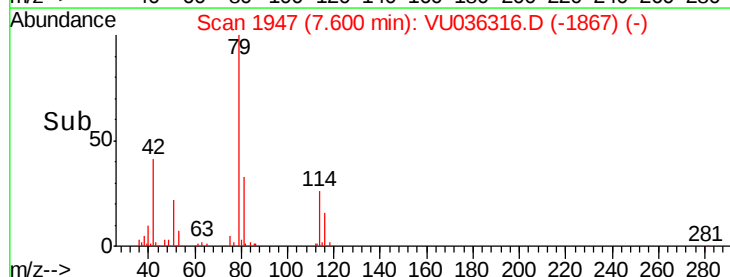
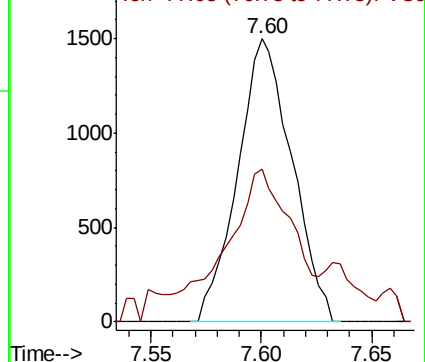
75 100

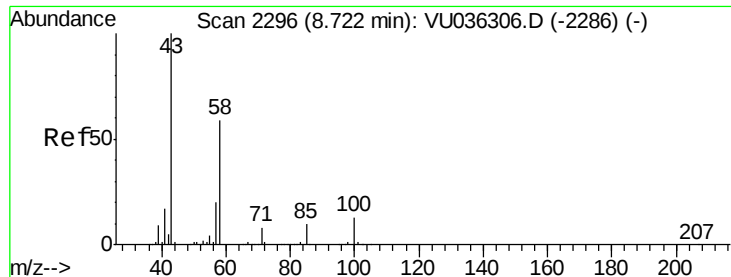
77 53.9 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

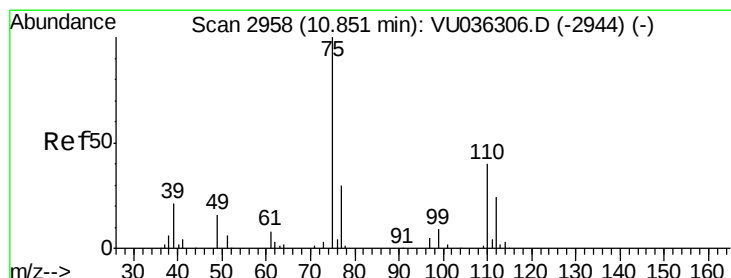
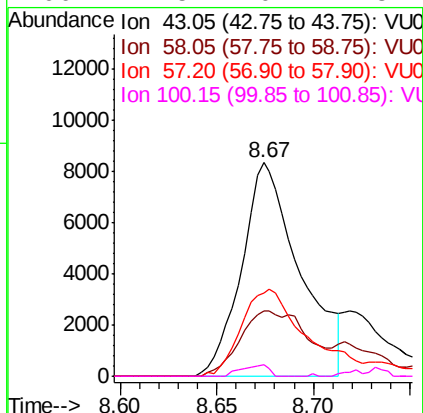
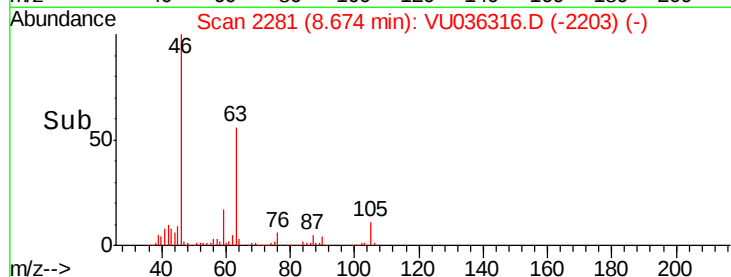
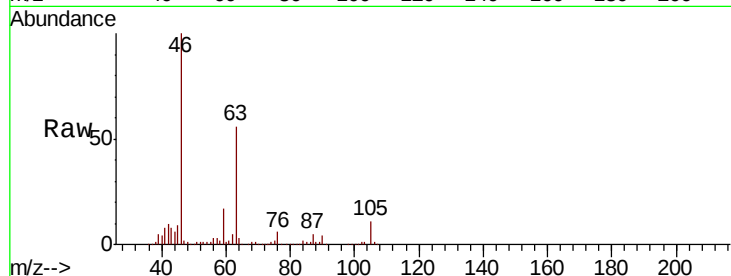




#48
2-Hexanone
Concen: 2.196 ug/L
RT: 8.67 min Scan# 2281
Delta R.T. -0.05 min
Lab File: VU036316.D
Acq: 20 Dec 2019 14:20

Instrument :
MSVOA_U
ClientSampleID :
BFDX0DL

Tot Ion: 43 Resp: 17485
Ion Ratio Lower Upper
43 100
58 34.7 46.2 69.2#
57 45.4 16.2 24.4#
100 2.5 10.2 15.4#



#59
1,2,3-Trichloropropane
Concen: 0.811 ug/L
RT: 11.83 min Scan# 3264
Delta R.T. 0.98 min
Lab File: VU036316.D
Acq: 20 Dec 2019 14:20

Tgt Ion: 75 Resp: 10995
Ion Ratio Lower Upper
75 100
77 34.5 27.2 40.8

