

Data File : VU035159.D
Acq On : 14 Oct 2019 18:59
Operator : JC/SP
Sample : K5309-16DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RD-5-001-01DL

Quant Time: Oct 15 07:58:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 15 07:54:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	159214	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	169358	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	61208	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	45535	4.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	1.68	69	44100	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.40%
11) 1,1-Dichloroethene-d2	2.26	63	66971	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.17	46	142397	51.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.76%
24) Chloroform-d	4.63	84	86215	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.29	65	52629	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.32	84	176846	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.31	67	62778	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.55	98	146591	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	7.84	79	18847	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.30	63	97866	43.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.14%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	53972	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	51184	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

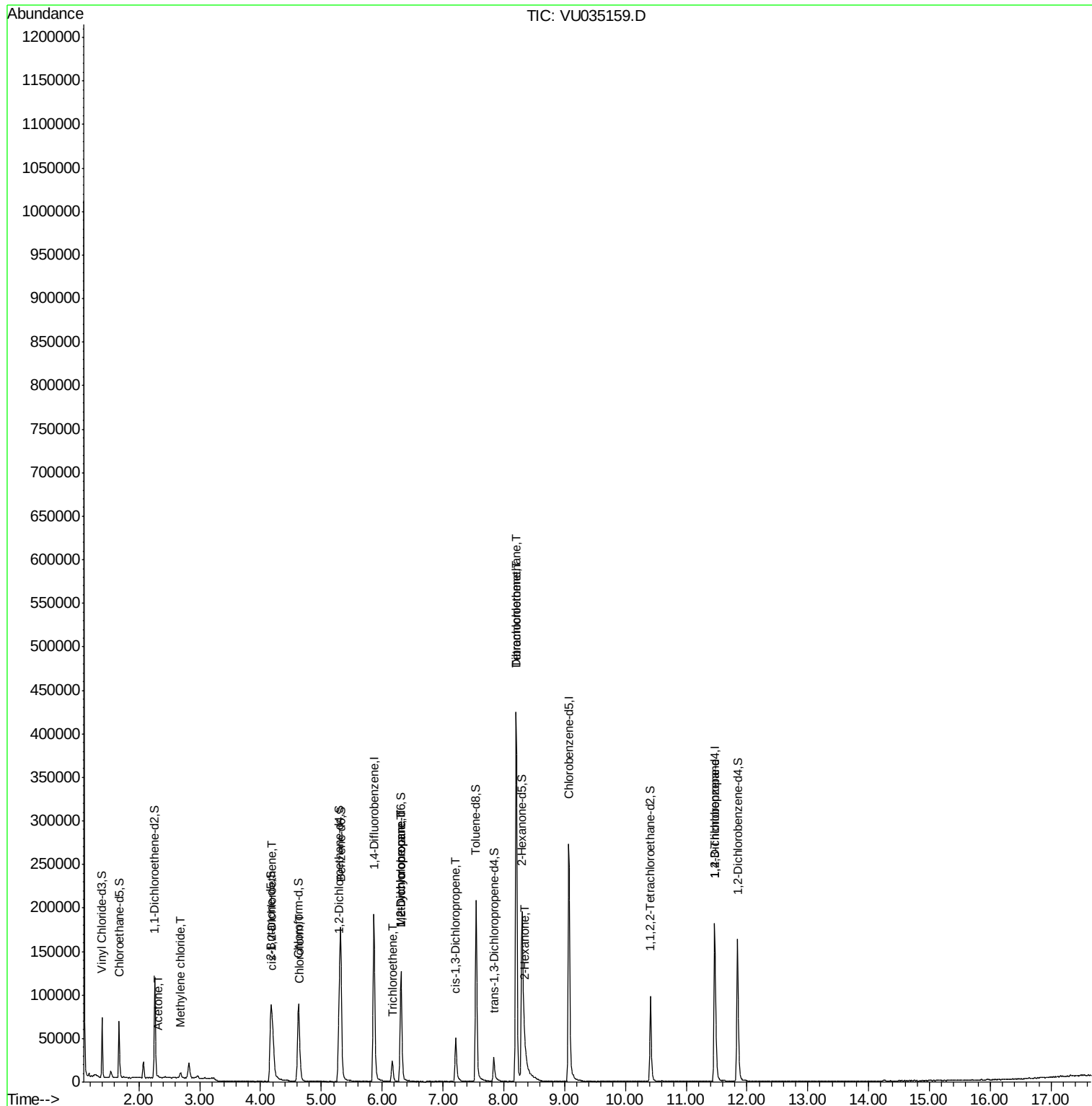
					Qvalue
13) Acetone	2.31	43	2037	0.897 ug/L	95
16) Methylene chloride	2.68	84	2430	0.192 ug/L	91
22) cis-1,2-Dichloroethene	4.20	96	20211	1.655 ug/L	82
25) Chloroform	4.65	83	10992	0.449 ug/L	99
34) Trichloroethene	6.17	95	8801	0.669 ug/L	90
35) Methylcyclohexane	6.31	83	14093	0.661 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7170	0.521 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	1336	0.072 ug/L #	52
47) Tetrachloroethene	8.21	164	93851	8.813 ug/L	98
48) 2-Hexanone	8.35	43	6754	1.137 ug/L #	63
49) Dibromochloromethane	8.21	129	90483	8.568 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	7588	0.852 ug/L	94

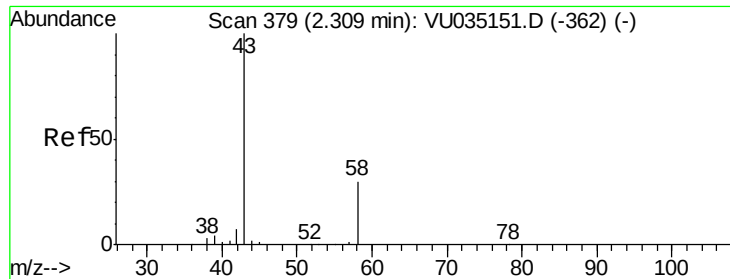
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 0.897 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035159.D

Acq: 14 Oct 2019 18:59

Instrument :

MSVOA_U

ClientSampleId :

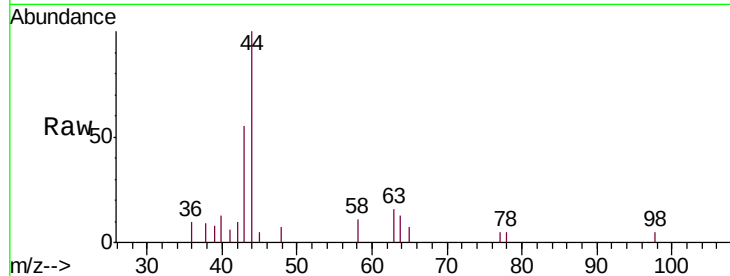
RD-5-001-01DL

Tgt Ion: 43 Resp: 2037

Ion Ratio Lower Upper

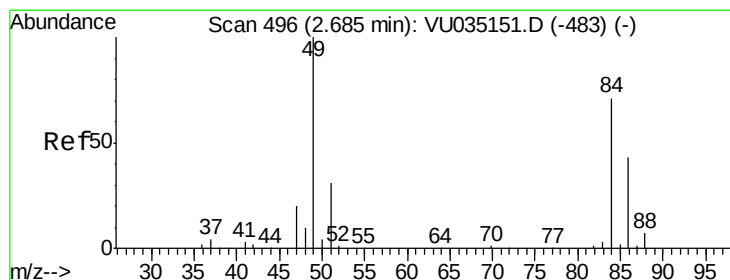
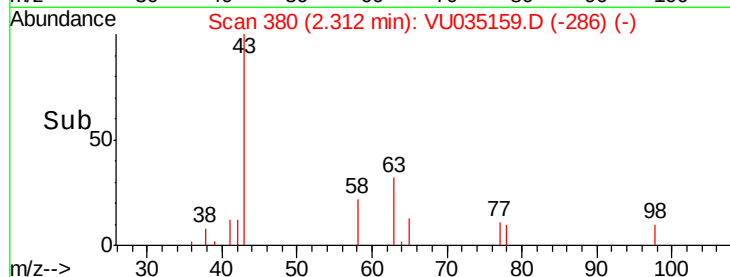
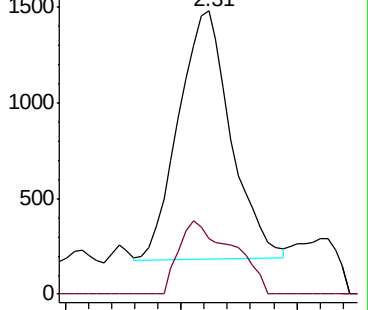
43 100

58 30.2 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035159.D (-286) (-)

Ion 58.05 (57.75 to 58.75): VU035159.D (-286) (-)



#16

Methylene chloride

Concen: 0.192 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU035159.D

Acq: 14 Oct 2019 18:59

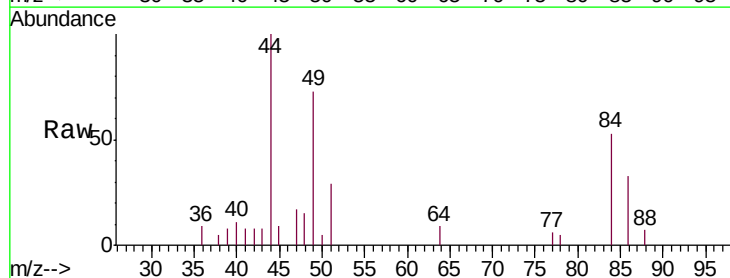
Tgt Ion: 84 Resp: 2430

Ion Ratio Lower Upper

84 100

86 62.0 42.5 78.9

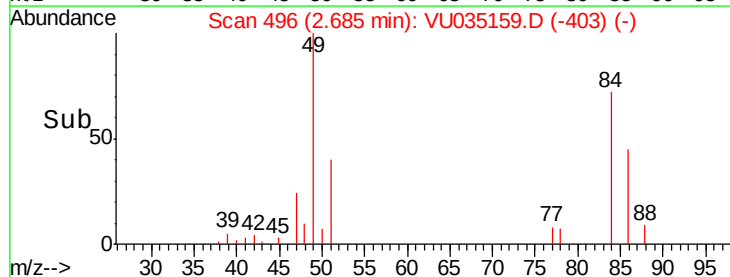
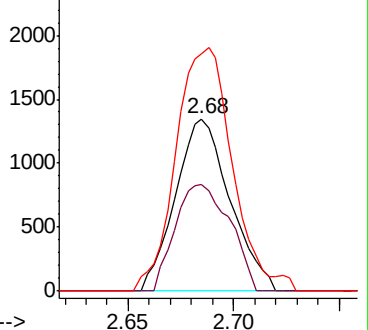
49 138.2 86.9 161.3

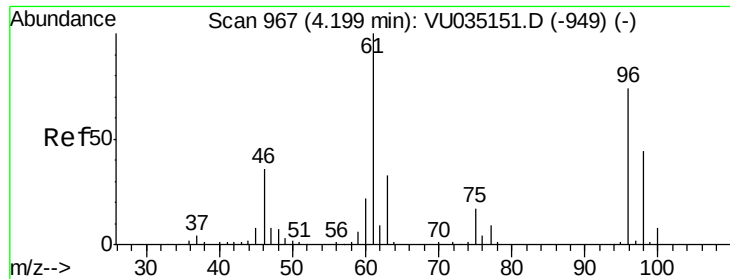


Abundance Ion 84.05 (83.75 to 84.75): VU035159.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU035159.D (-403) (-)

Ion 49.10 (48.80 to 49.80): VU035159.D (-403) (-)

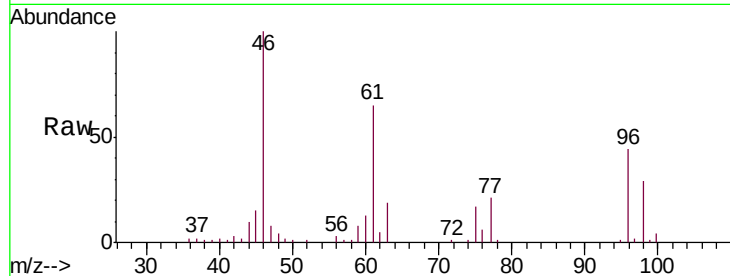




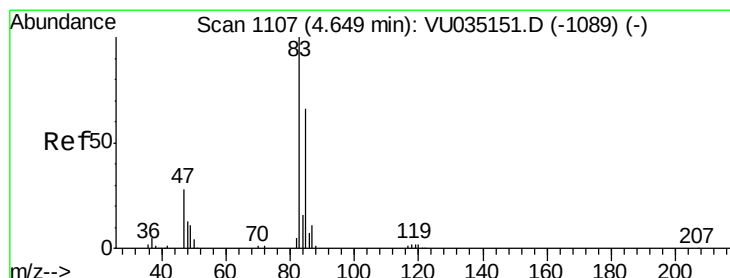
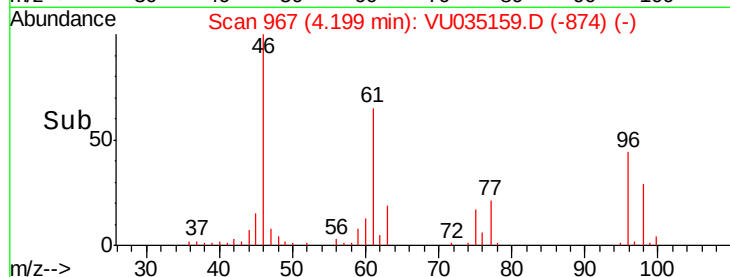
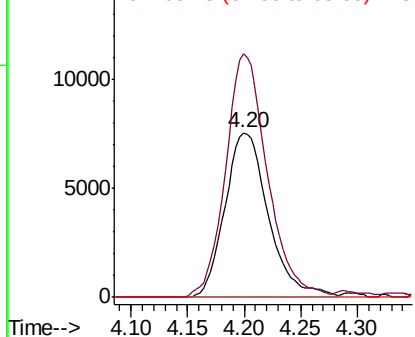
#22
 cis-1,2-Dichloroethene
 Concen: 1.655 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU035159.D
 Acq: 14 Oct 2019 18:59

Instrument :
 MSVOA_U
 ClientSampleId :
 RD-5-001-01DL

Tgt Ion: 96 Resp: 20211
 Ion Ratio Lower Upper
 96 100
 61 148.1 89.2 165.6
 68 0.0 0.0 0.0

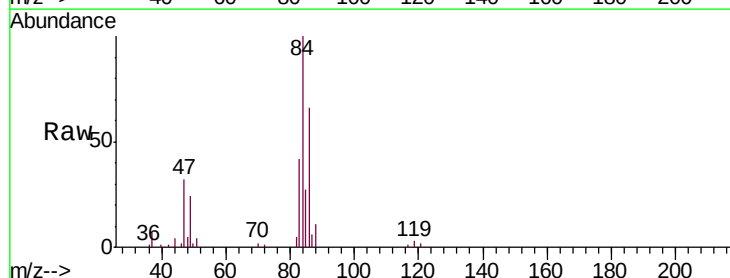


Abundance Ion 96.00 (95.70 to 96.70): VU0
 15000 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

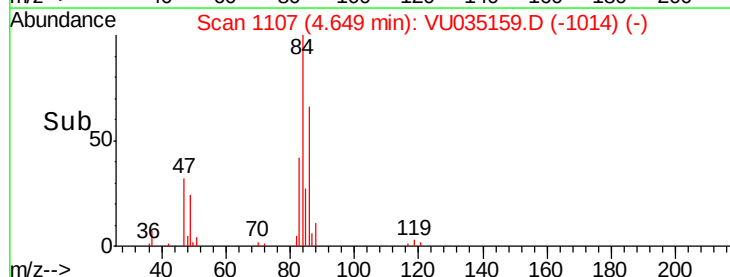
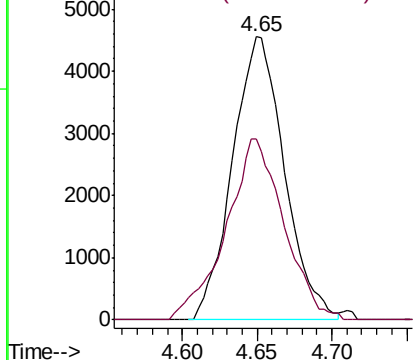


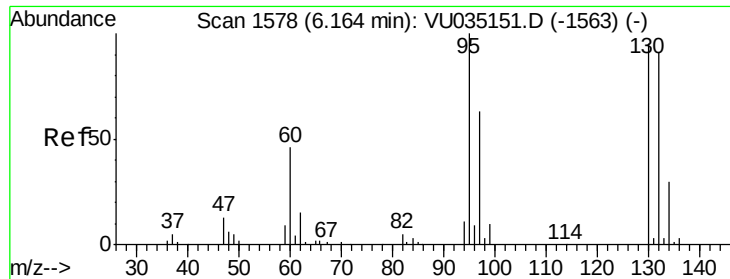
#25
 Chloroform
 Concen: 0.449 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VU035159.D
 Acq: 14 Oct 2019 18:59

Tgt Ion: 83 Resp: 10992
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.4 84.4



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





#34

Trichloroethene

Concen: 0.669 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU035159.D

Acq: 14 Oct 2019 18:59

Instrument :

MSVOA_U

ClientSampleId :

RD-5-001-01DL

Tgt Ion: 95 Resp: 8801

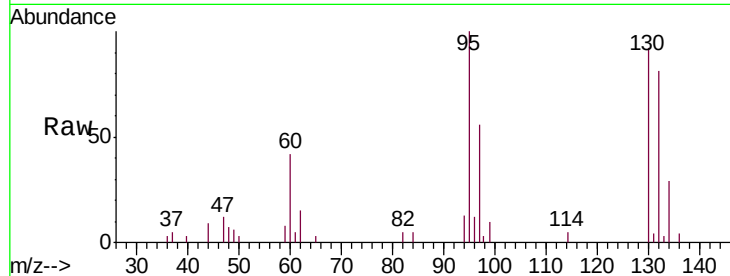
Ion Ratio Lower Upper

95 100

97 56.1 44.5 82.7

132 81.1 66.6 123.8

130 91.7 68.9 127.9

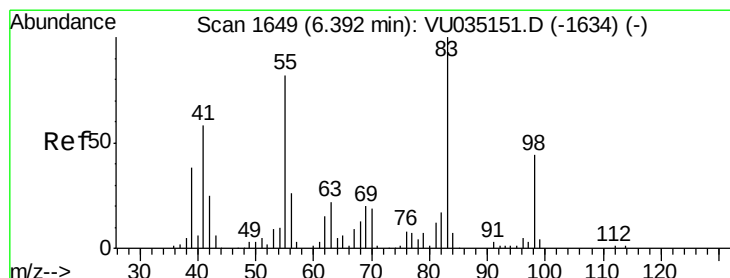
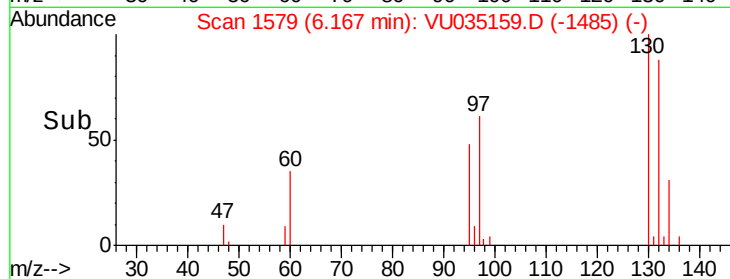
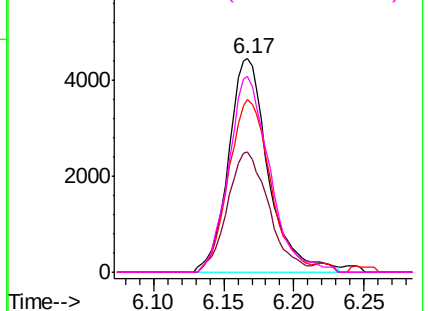


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.661 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035159.D

Acq: 14 Oct 2019 18:59

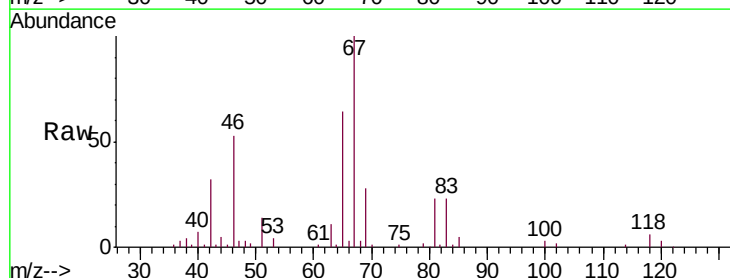
Tgt Ion: 83 Resp: 14093

Ion Ratio Lower Upper

83 100

55 0.1 62.6 94.0#

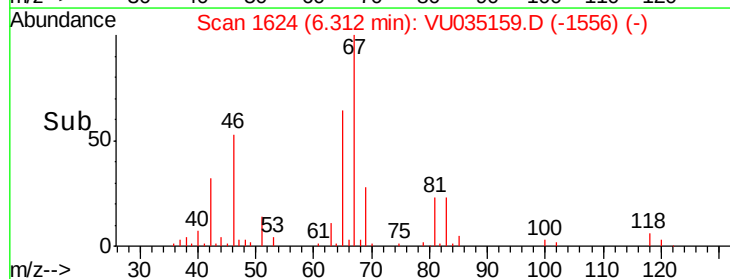
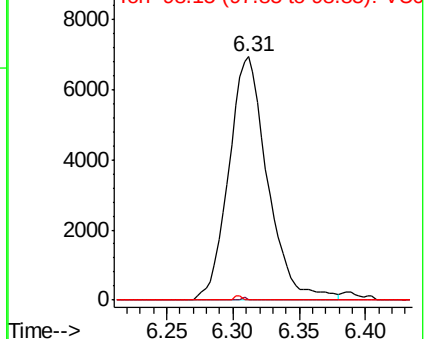
98 0.3 36.2 54.2#

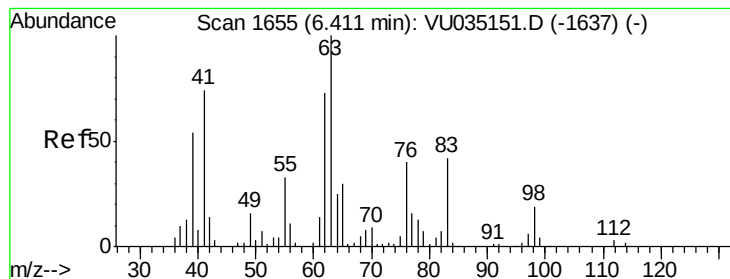


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.521 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU035159.D

Acq: 14 Oct 2019 18:59

Instrument :

MSVOA_U

ClientSampleId :

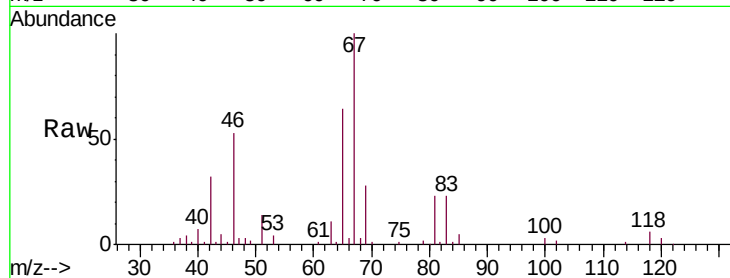
RD-5-001-01DL

Tgt Ion: 63 Resp: 7170

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU035151.D (-1637) (-)

Ion 112.10 (111.80 to 112.80): VU035151.D (-1637) (-)

6.31

3000

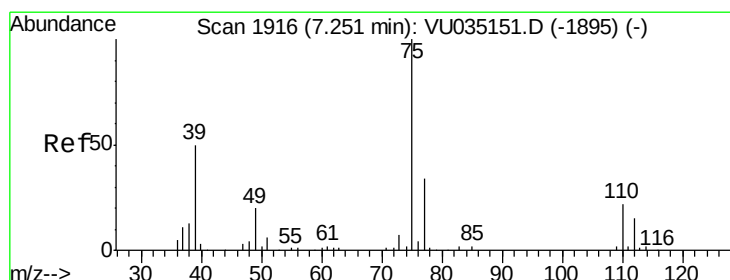
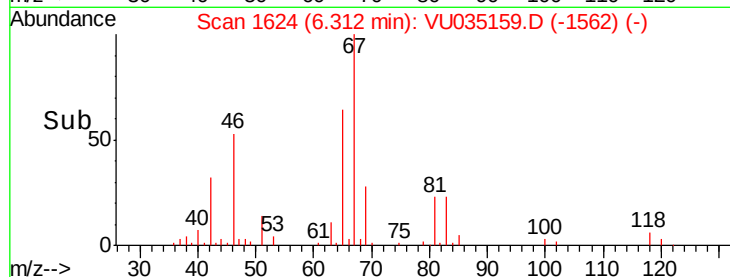
2000

1000

0

6.25 6.30 6.35 6.40

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 7.21 min Scan# 1904

Delta R.T. -0.04 min

Lab File: VU035159.D

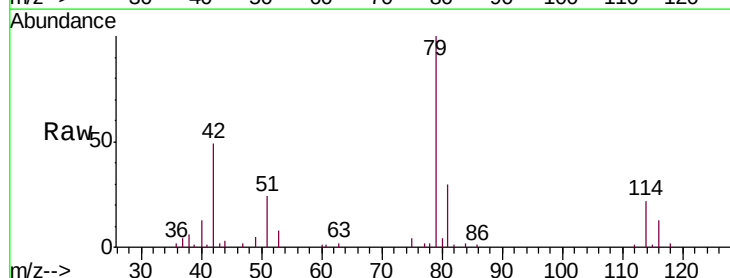
Acq: 14 Oct 2019 18:59

Tgt Ion: 75 Resp: 1336

Ion Ratio Lower Upper

75 100

77 58.3 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035151.D (-1895) (-)

Ion 77.05 (76.75 to 77.75): VU035151.D (-1895) (-)

7.21

600

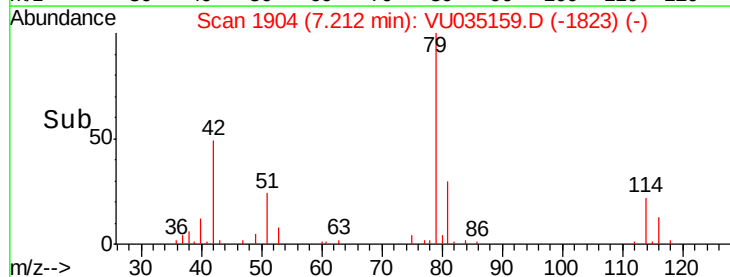
400

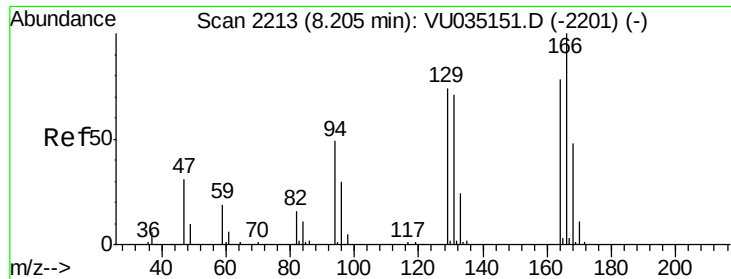
200

0

7.15 7.20 7.25

Time-->

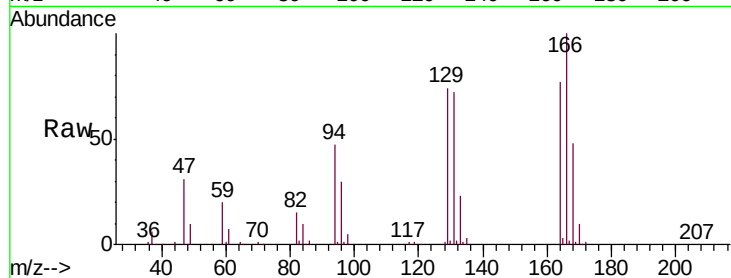




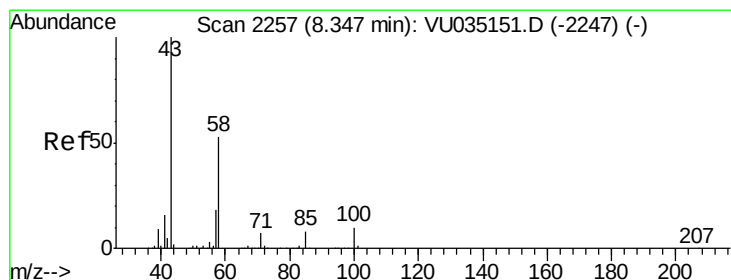
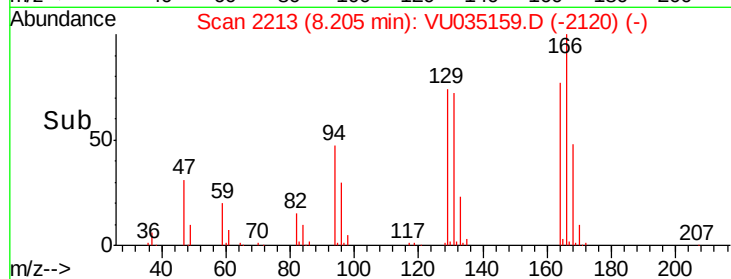
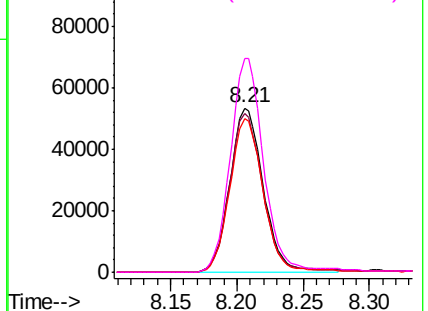
#47
Tetrachloroethene
Concen: 8.813 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU035159.D
Acq: 14 Oct 2019 18:59

Instrument :
MSVOA_U
ClientSampleId :
RD-5-001-01DL

Tgt Ion: 164 Resp: 93851
Ion Ratio Lower Upper
164 100
129 96.9 68.5 127.1
131 93.4 67.3 124.9
166 130.1 93.1 172.9

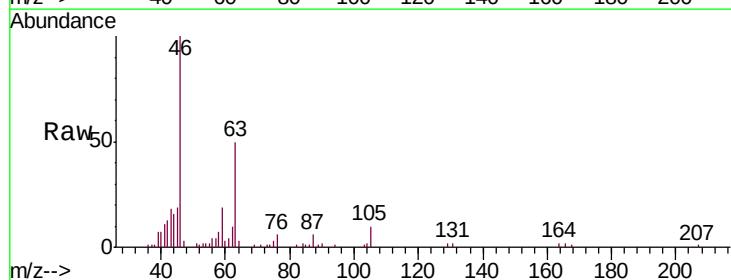


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

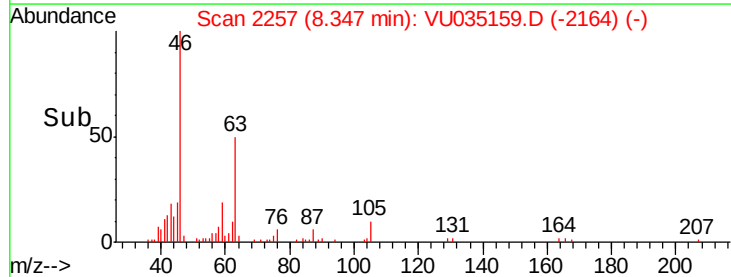
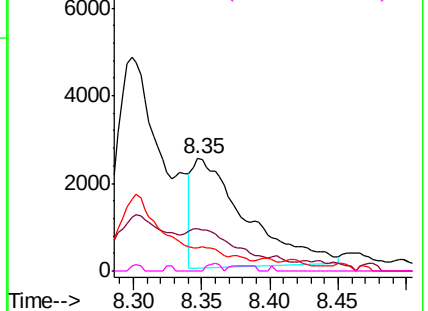


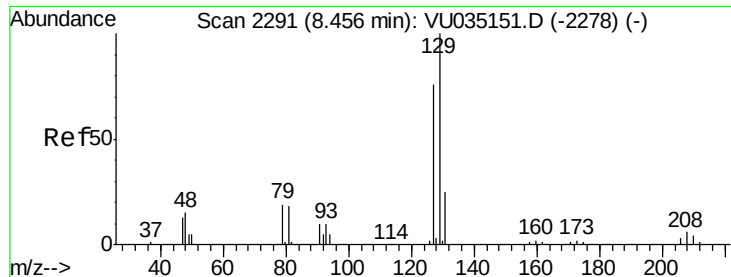
#48
2-Hexanone
Concen: 1.137 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU035159.D
Acq: 14 Oct 2019 18:59

Tgt Ion: 43 Resp: 6754
Ion Ratio Lower Upper
43 100
58 28.5 44.1 66.1#
57 0.0 15.8 23.8#
100 1.6 9.4 14.2#



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

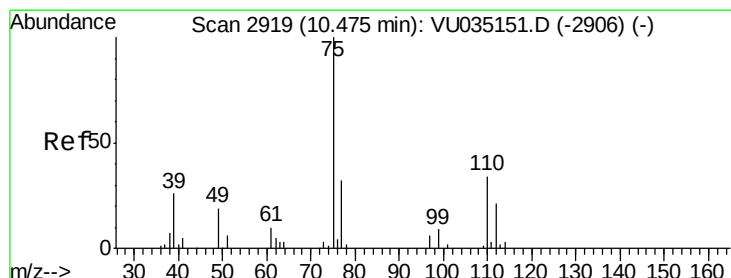
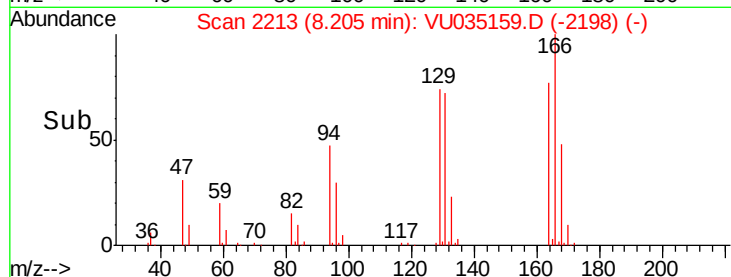
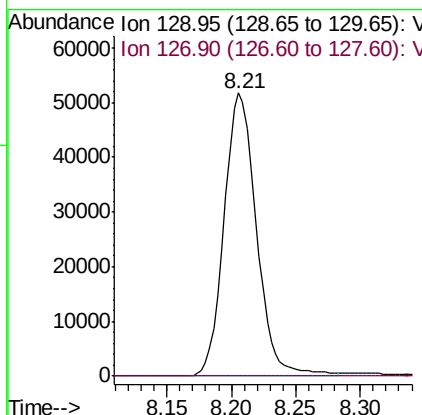
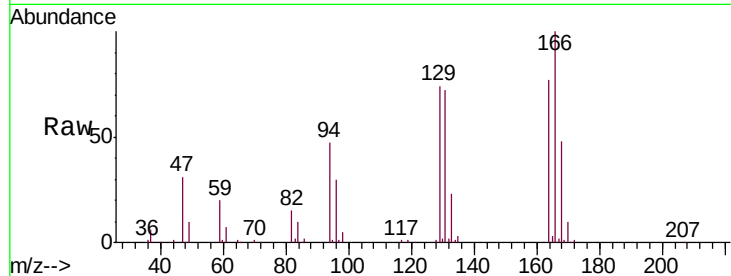




#49
 Dibromochloromethane
 Concen: 8.568 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.25 min
 Lab File: VU035159.D
 Acq: 14 Oct 2019 18:59

Instrument :
 MSVOA_U
 ClientSampleId :
 RD-5-001-01DL

Tgt Ion: 129 Resp: 90483
 Ion Ratio Lower Upper
 129 100
 127 0.0 51.9 96.5#



#59
 1,2,3-Trichloropropane
 Concen: 0.852 ug/L
 RT: 11.47 min Scan# 3228
 Delta R.T. 0.99 min
 Lab File: VU035159.D
 Acq: 14 Oct 2019 18:59

Tgt Ion: 75 Resp: 7588
 Ion Ratio Lower Upper
 75 100
 77 36.8 26.5 39.7

