

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101519\
 Data File : VU035186.D
 Acq On : 15 Oct 2019 12:43
 Operator : JC/SP
 Sample : K5311-08DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 15 15:17:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 15 15:10:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	151342	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	159953	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	56817	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	47072	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.67	69	43146	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.40%
11) 1,1-Dichloroethene-d2	2.26	63	64224	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.17	46	141996	53.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.80%
24) Chloroform-d	4.62	84	87182	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.29	65	51743	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.32	84	163788	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.31	67	59480	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.55	98	133774	3.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.80%
43) trans-1,3-Dichloropropene-	7.84	79	18423	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.30	63	96124	44.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.58%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	52352	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	47868	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

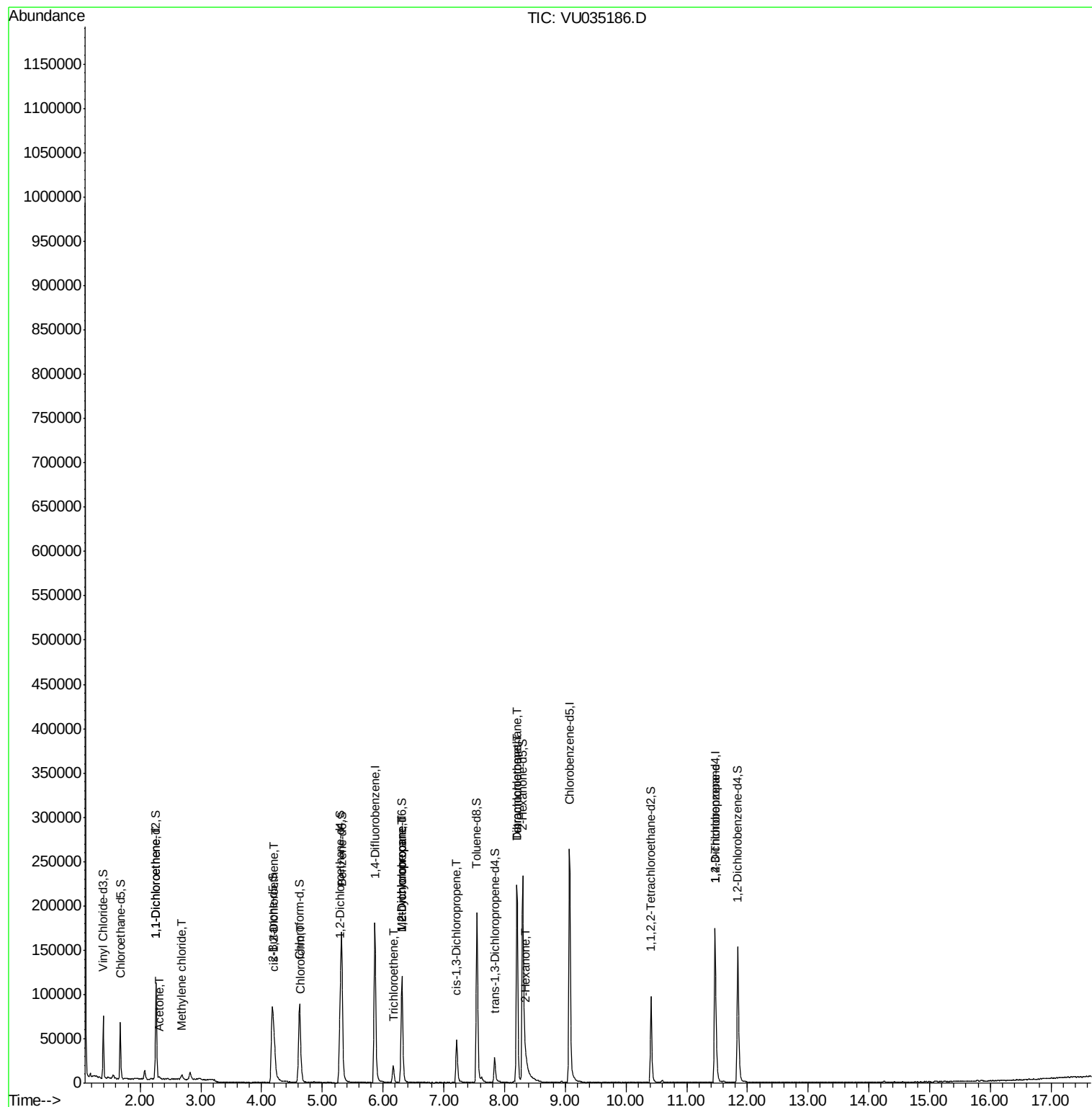
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.27	96	604	0.062	ug/L #	1
13) Acetone	2.32	43	2425	1.124	ug/L	99
16) Methylene chloride	2.68	84	2437	0.203	ug/L	83
22) cis-1,2-Dichloroethene	4.20	96	14354	1.236	ug/L	90
25) Chloroform	4.65	83	6427	0.276	ug/L	92
34) Trichloroethene	6.17	95	6408	0.516	ug/L	93
35) Methylcyclohexane	6.31	83	12857	0.639	ug/L #	18
37) 1,2-Dichloropropane	6.31	63	6969	0.536	ug/L #	89
39) cis-1,3-Dichloropropene	7.22	75	1331	0.076	ug/L #	81
47) Tetrachloroethene	8.21	164	50199	4.991	ug/L	95
48) 2-Hexanone	8.35	43	5377	0.959	ug/L #	38
49) Dibromochloromethane	8.21	129	49572	4.970	ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	7153	0.850	ug/L #	84

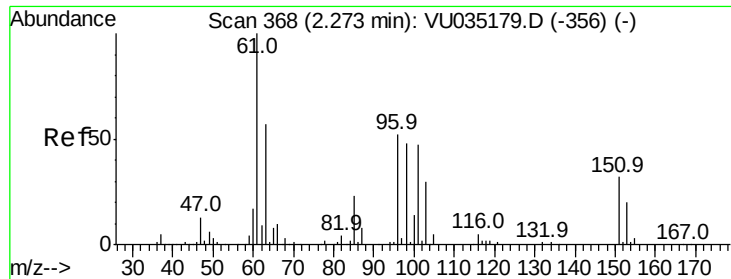
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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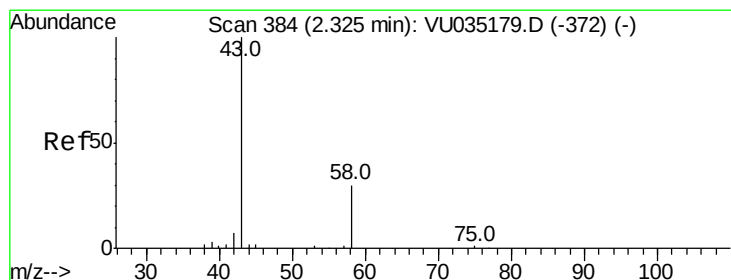
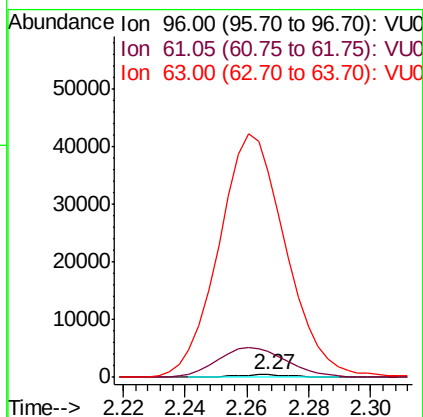
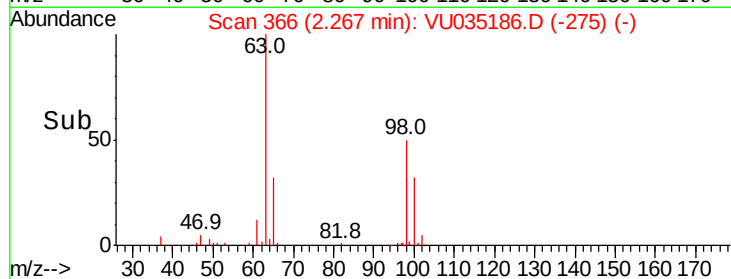
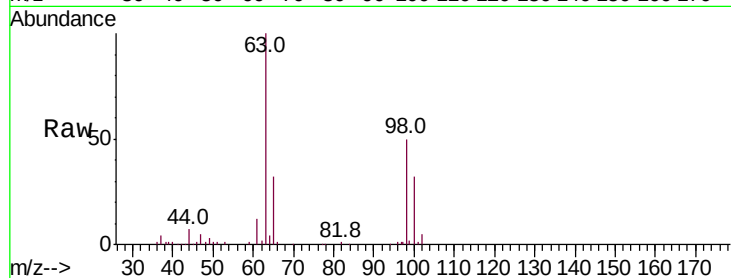




#12
 1,1-Dichloroethene
 Concen: 0.062 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VU035186.D
 Acq: 15 Oct 2019 12:43

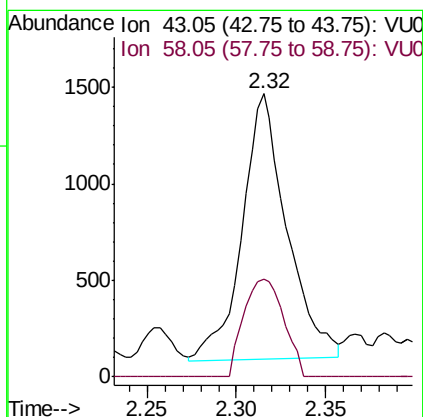
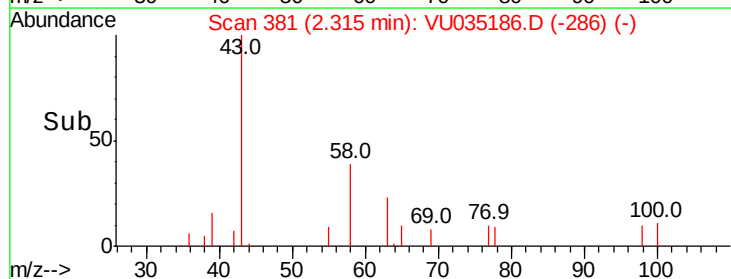
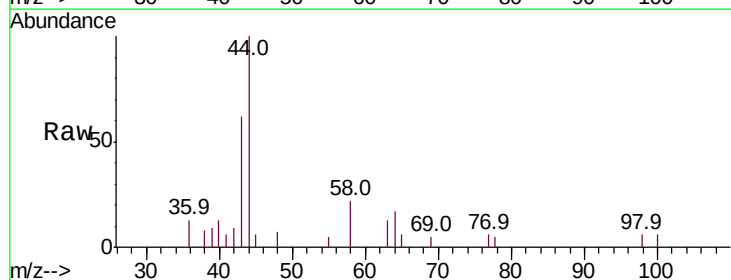
Instrument :
 MSVOA_U
 ClientSampleId :

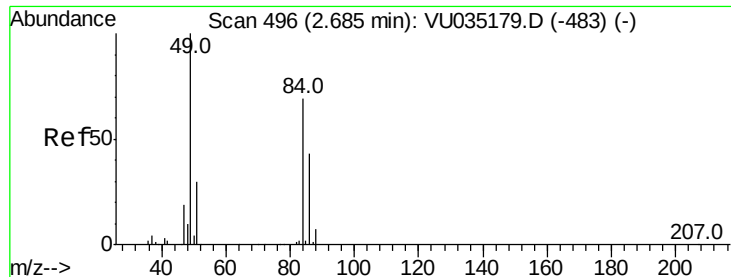
Tot Ion: 96 Resp: 604
 Ion Ratio Lower Upper
 96 100
 61 1057.5 129.3 240.1#
 63 8524.5 108.9 202.3#



#13
 Acetone
 Concen: 1.124 ug/L
 RT: 2.32 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VU035186.D
 Acq: 15 Oct 2019 12:43

Tgt Ion: 43 Resp: 2425
 Ion Ratio Lower Upper
 43 100
 58 32.8 0.0 66.6

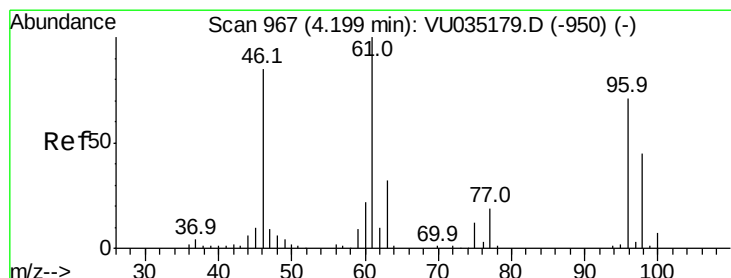
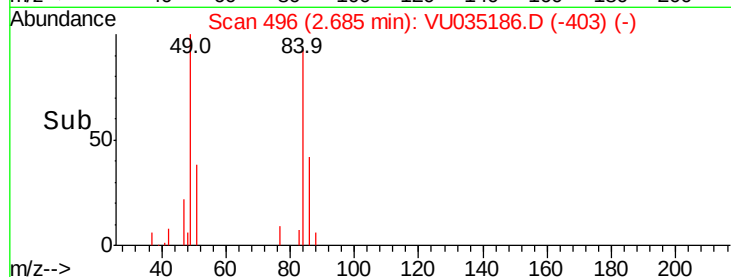
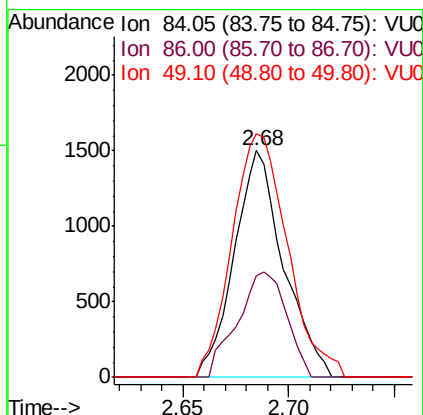
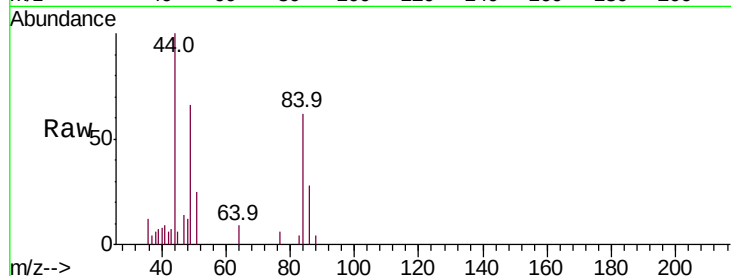




#16
Methylene chloride
Concen: 0.203 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU035186.D
Acq: 15 Oct 2019 12:43

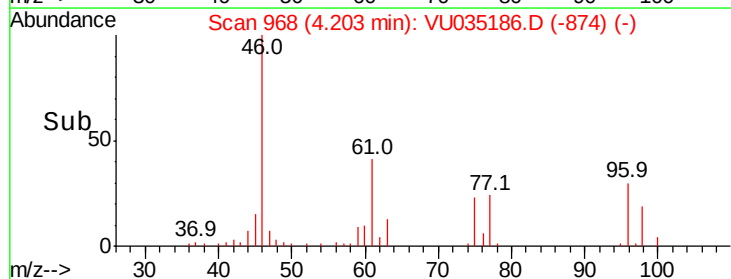
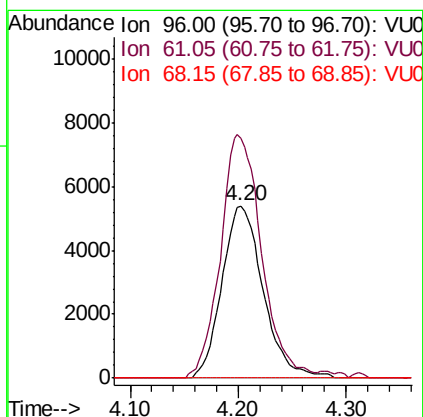
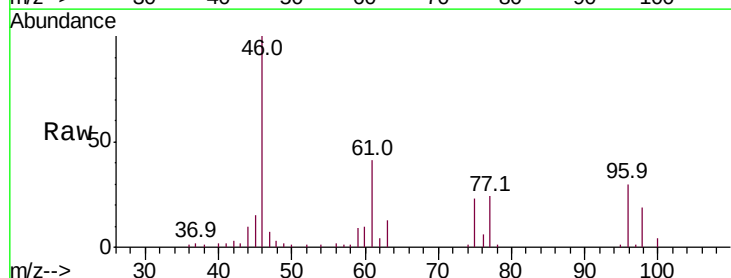
Instrument :
MSVOA_U
ClientSampleId :

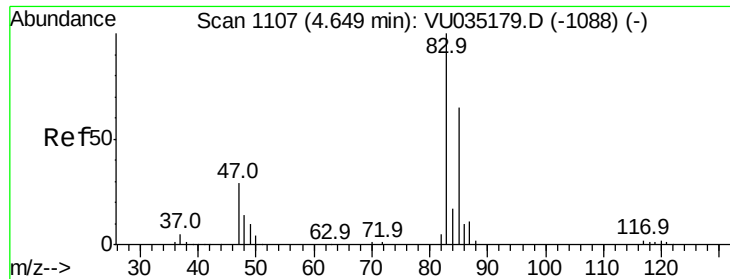
Tot Ion: 84 Resp: 2437
Ion Ratio Lower Upper
84 100
86 44.9 42.5 78.9
49 107.3 86.9 161.3



#22
cis-1,2-Dichloroethene
Concen: 1.236 ug/L
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU035186.D
Acq: 15 Oct 2019 12:43

Tgt Ion: 96 Resp: 14354
Ion Ratio Lower Upper
96 100
61 139.3 89.2 165.6
68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.276 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU035186.D

Acq: 15 Oct 2019 12:43

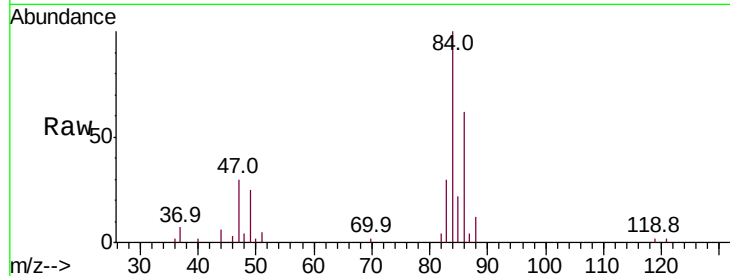
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 6427

Ion Ratio Lower Upper

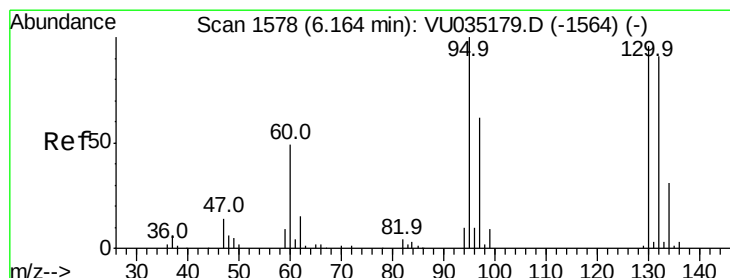
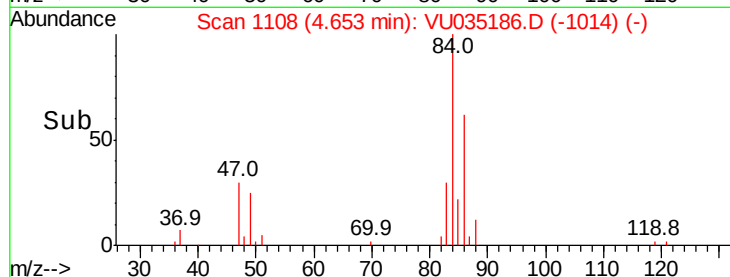
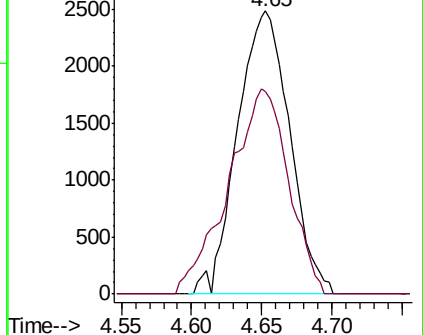
83 100

85 71.5 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035179.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035179.D (-1088) (-)



#34

Trichloroethene

Concen: 0.516 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU035186.D

Acq: 15 Oct 2019 12:43

Tgt Ion: 95 Resp: 6408

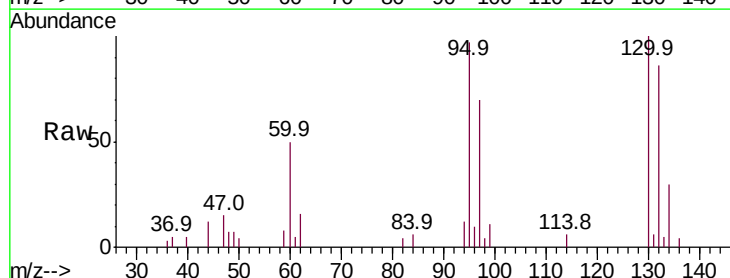
Ion Ratio Lower Upper

95 100

97 72.5 44.5 82.7

132 88.7 66.6 123.8

130 103.5 68.9 127.9

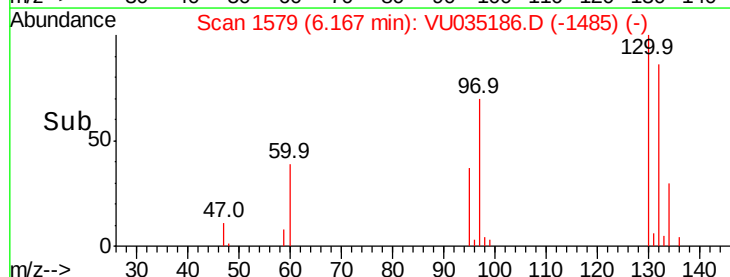
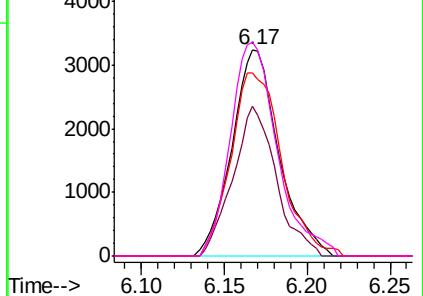


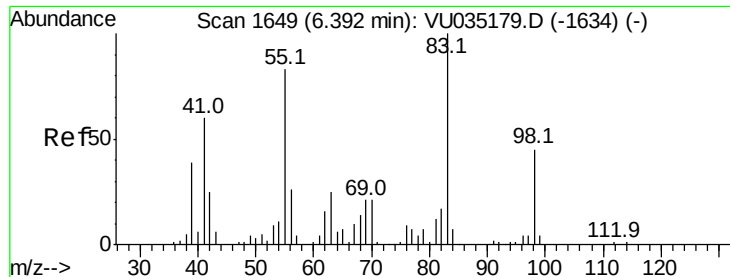
Abundance Ion 95.00 (94.70 to 95.70): VU035179.D (-1564) (-)

Ion 96.95 (96.65 to 97.65): VU035179.D (-1564) (-)

Ion 131.95 (131.65 to 132.65): VU035179.D (-1564) (-)

Ion 129.95 (129.65 to 130.65): VU035179.D (-1564) (-)





#35

Methylcyclohexane

Concen: 0.639 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035186.D

Acq: 15 Oct 2019 12:43

Instrument :
MSVOA_U
ClientSampled :

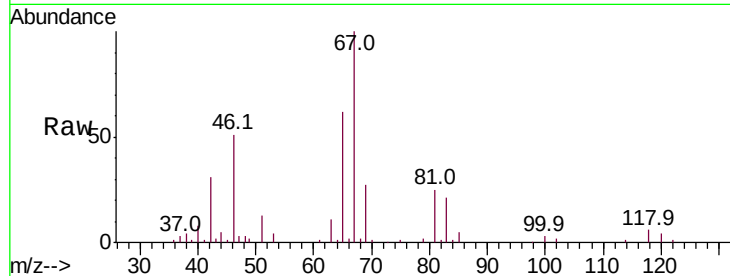
Tot Ion: 83 Resp: 12857

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

98 0.6 36.2 54.2#



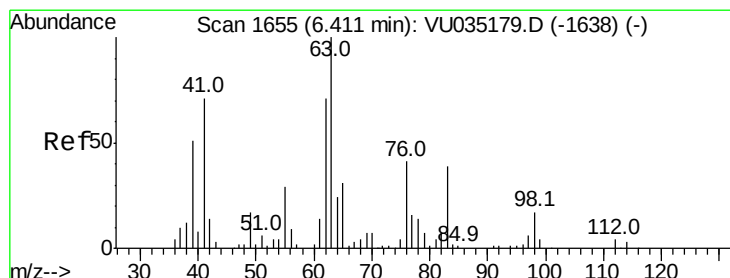
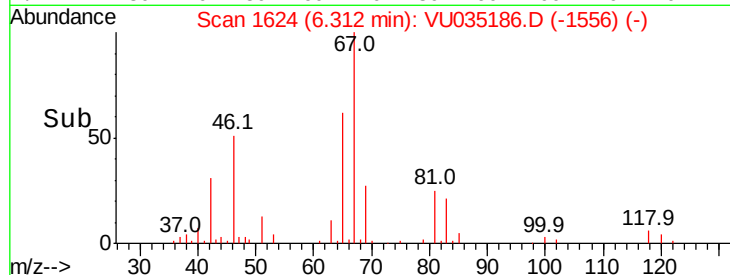
Abundance Ion 83.15 (82.85 to 83.85): VU035179.D (-1634) (-)

Ion 55.10 (54.80 to 55.80): VU035179.D (-1634) (-)

Ion 98.15 (97.85 to 98.85): VU035179.D (-1634) (-)

6.31

Time-->



#37

1,2-Dichloropropane

Concen: 0.536 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU035186.D

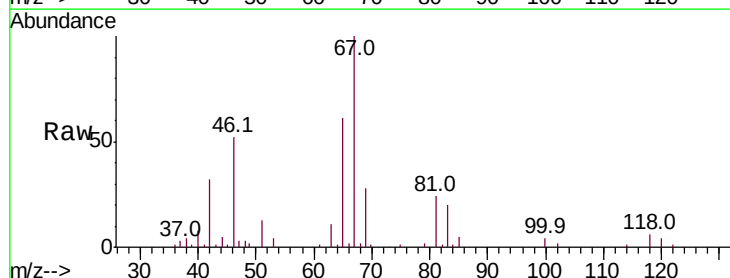
Acq: 15 Oct 2019 12:43

Tgt Ion: 63 Resp: 6969

Ion Ratio Lower Upper

63 100

112 0.3 3.1 4.7#

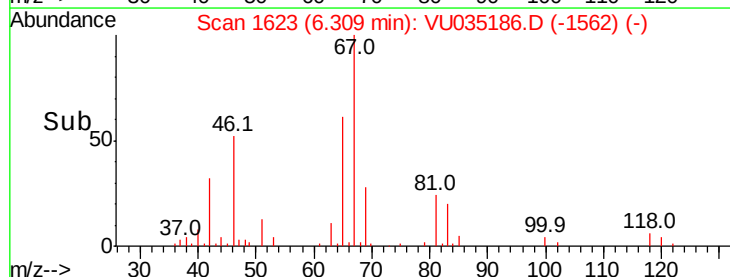


Abundance Ion 63.10 (62.80 to 63.80): VU035179.D (-1638) (-)

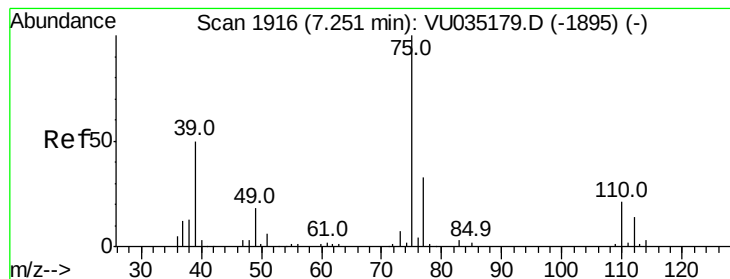
Ion 112.10 (111.80 to 112.80): VU035179.D (-1638) (-)

6.31

Time-->



Time-->

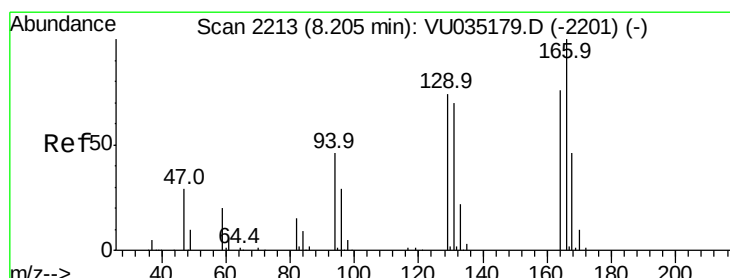
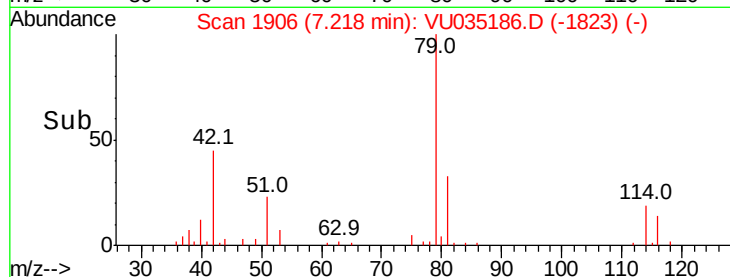
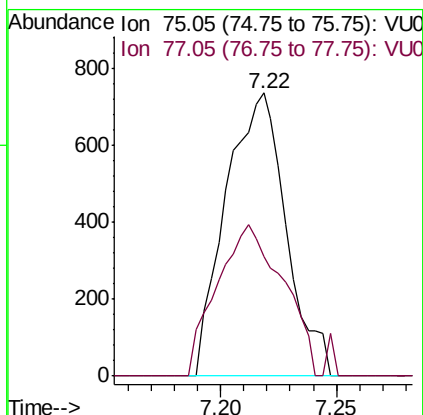
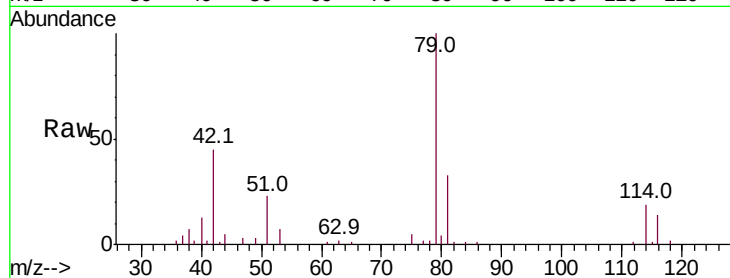


#39

cis-1,3-Dichloropropene
Concen: 0.076 ug/L
RT: 7.22 min Scan# 1906
Delta R.T. -0.03 min
Lab File: VU035186.D
Acq: 15 Oct 2019 12:43

Instrument :
MSVOA_U
ClientSampleId :

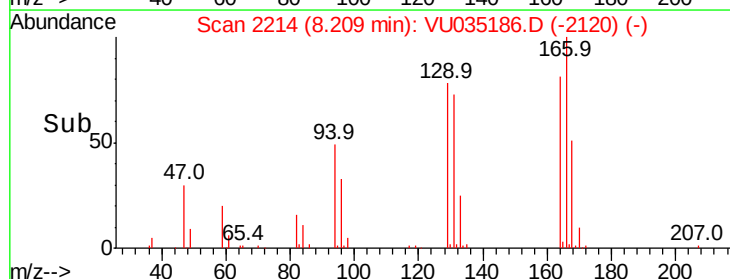
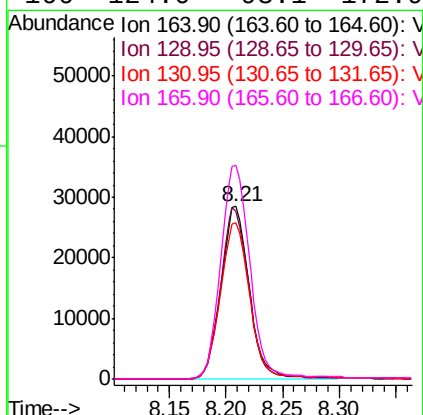
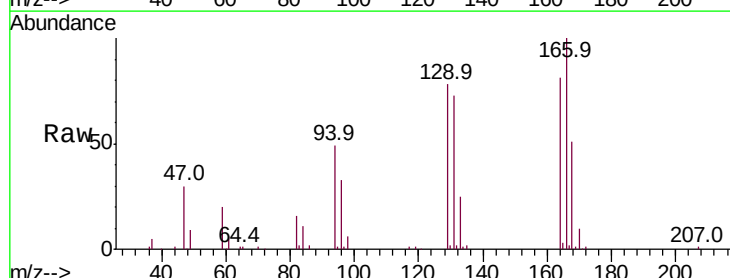
Tot Ion: 75 Resp: 1331
Ion Ratio Lower Upper
75 100
77 42.2 22.1 41.1#

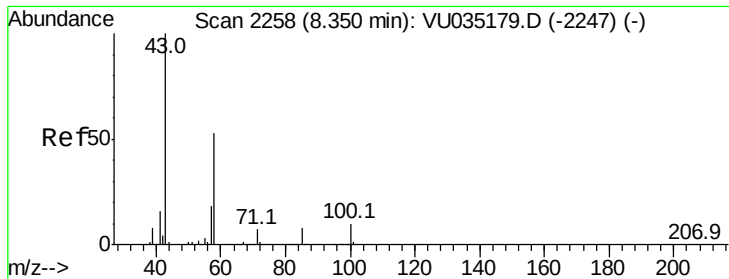


#47

Tetrachloroethene
Concen: 4.991 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU035186.D
Acq: 15 Oct 2019 12:43

Tgt Ion:164 Resp: 50199
Ion Ratio Lower Upper
164 100
129 97.0 68.5 127.1
131 91.0 67.3 124.9
166 124.0 93.1 172.9

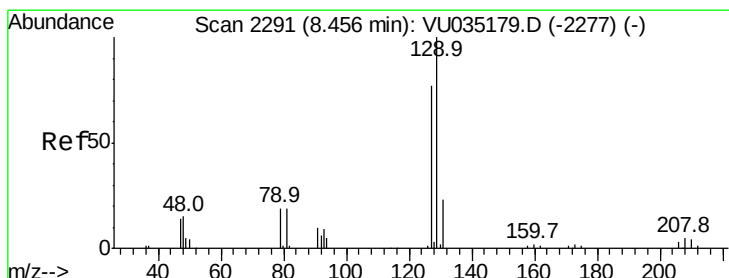
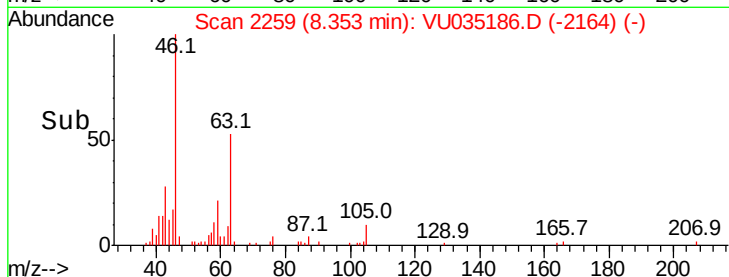
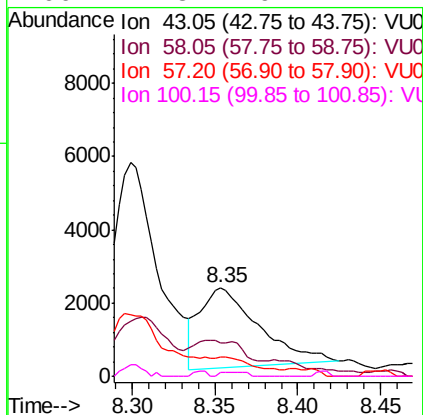
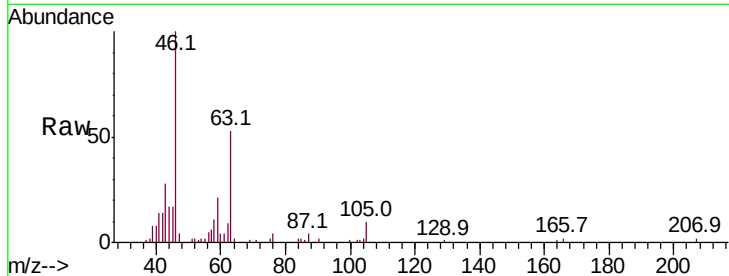




#48
2-Hexanone
Concen: 0.959 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU035186.D
Acq: 15 Oct 2019 12:43

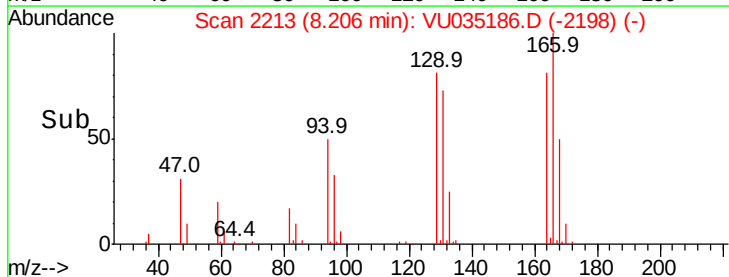
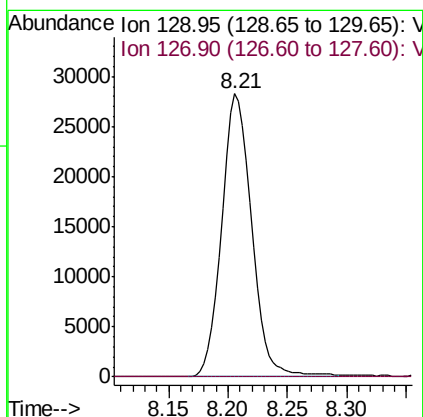
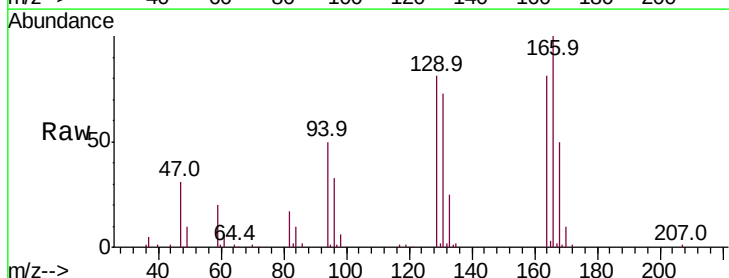
Instrument :
MSVOA_U
ClientSampleId :

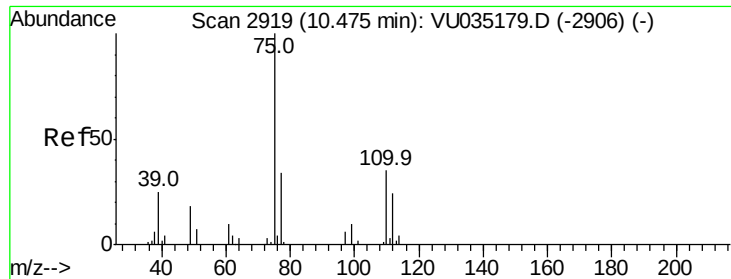
Tot Ion: 43 Resp: 5377
Ion Ratio Lower Upper
43 100
58 0.0 44.1 66.1#
57 0.0 15.8 23.8#
100 2.3 9.4 14.2#



#49
Dibromochloromethane
Concen: 4.970 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.25 min
Lab File: VU035186.D
Acq: 15 Oct 2019 12:43

Tgt Ion: 129 Resp: 49572
Ion Ratio Lower Upper
129 100
127 0.0 51.9 96.5#





#59

1,2,3-Trichloropropane

Concen: 0.850 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU035186.D

Acq: 15 Oct 2019 12:43

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 7153

Ion Ratio Lower Upper

75 100

77 42.0 26.5 39.7#

