

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\
 Data File : VU035125.D
 Acq On : 12 Oct 2019 06:31
 Operator : JC/SP
 Sample : K5309-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 01:19:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 14 01:16:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	165488	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	171773	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	71649	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	52211	5.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.80%
7) Chloroethane-d5	1.67	69	49245	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.26	63	74693	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	4.19	46	163275	56.68	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.36%
24) Chloroform-d	4.62	84	94777	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.29	65	57103	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.32	84	191955	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.31	67	67401	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.55	98	166934	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	7.84	79	19841	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.30	63	113335	49.17	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.34%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57018	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	61230	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

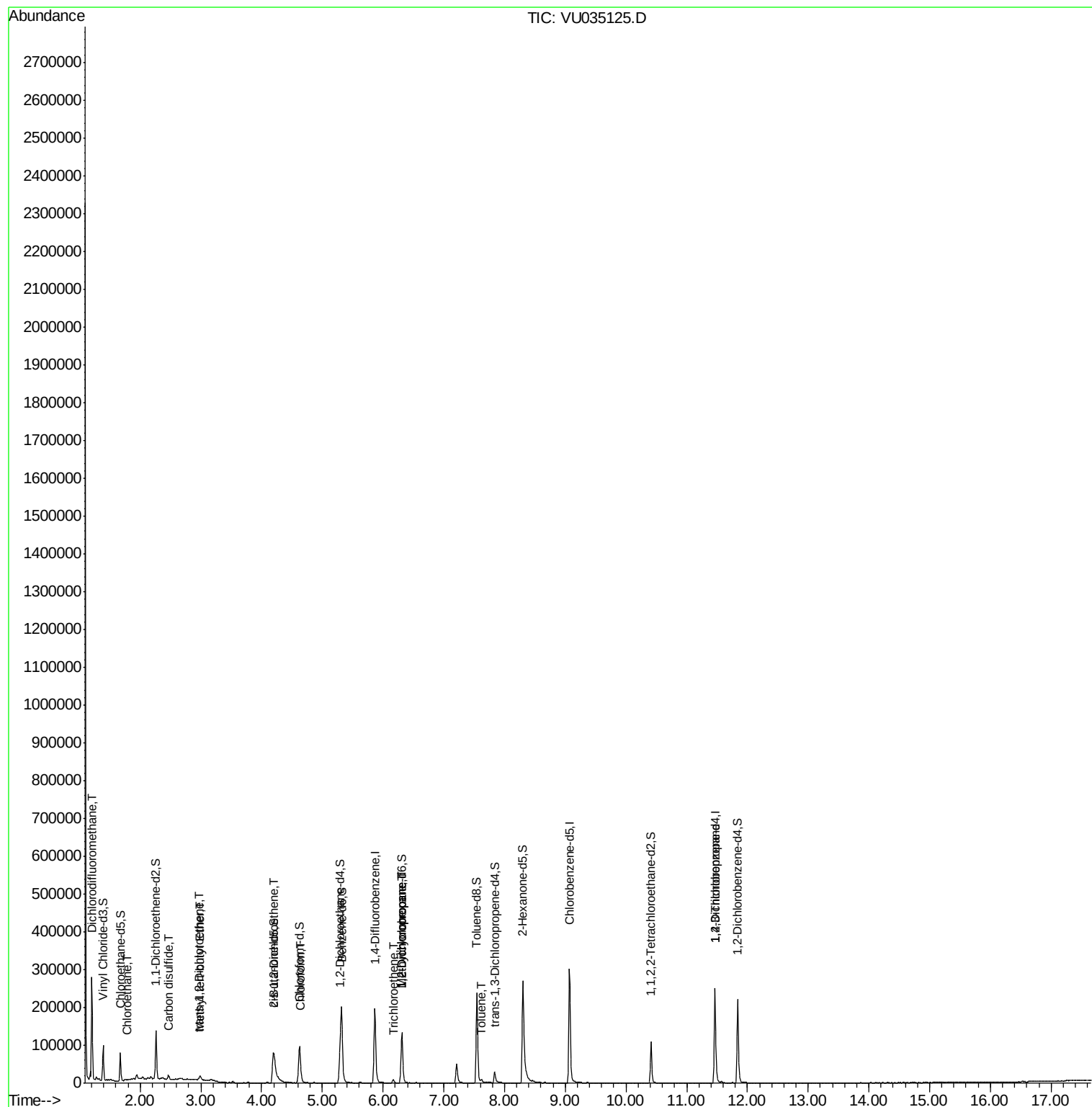
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	3506	0.232	ug/L	96
8) Chloroethane	1.79	64	4674	0.478	ug/L #	41
14) Carbon disulfide	2.47	76	15244	0.431	ug/L #	94
17) Methyl tert-butyl Ether	2.99	73	9331	0.322	ug/L #	86
18) trans-1,2-Dichloroethene	2.96	96	679	0.060	ug/L	90
22) cis-1,2-Dichloroethene	4.20	96	12436	0.979	ug/L	85
25) Chloroform	4.65	83	5342	0.210	ug/L	82
34) Trichloroethene	6.17	95	2905	0.218	ug/L #	83
35) Methylcyclohexane	6.31	83	14992	0.694	ug/L #	18
37) 1,2-Dichloropropane	6.31	63	6931	0.497	ug/L #	91
42) Toluene	7.62	91	5434	0.101	ug/L	97
59) 1,2,3-Trichloropropane	11.47	75	9720	1.076	ug/L	99

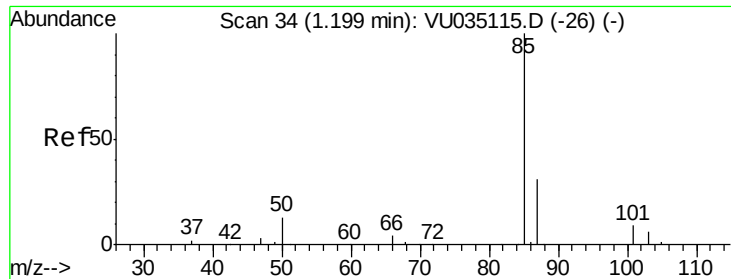
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.232 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.01 min

Lab File: VU035125.D

Acq: 12 Oct 2019 06:31

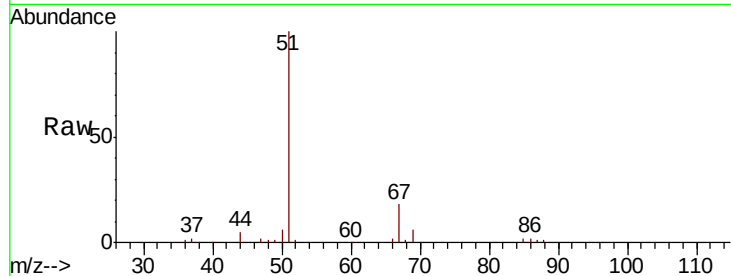
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 3506

Ion Ratio Lower Upper

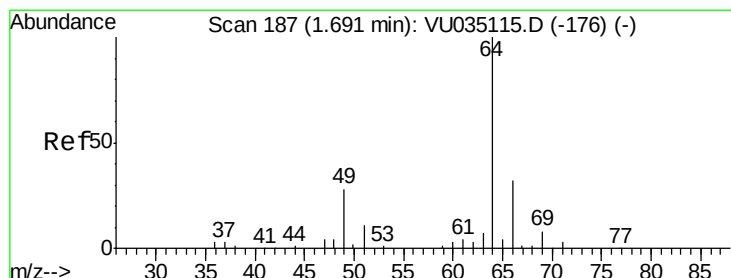
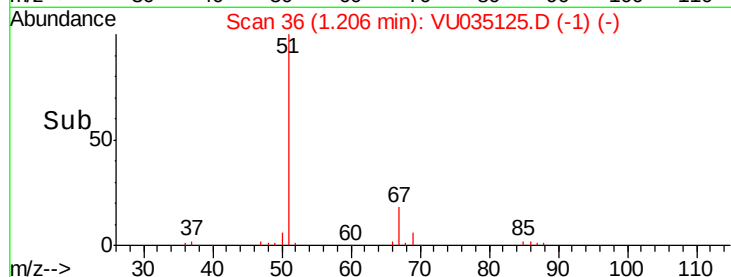
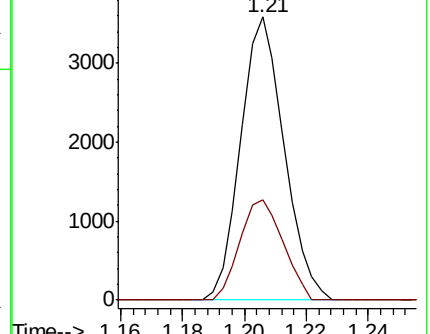
85 100

87 35.1 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU035115.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU035115.D (-26) (-)



#8

Chloroethane

Concen: 0.478 ug/L

RT: 1.79 min Scan# 217

Delta R.T. 0.10 min

Lab File: VU035125.D

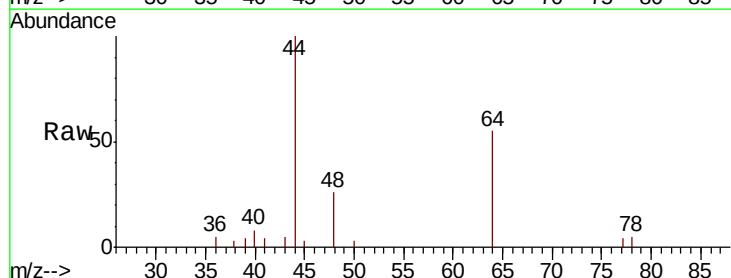
Acq: 12 Oct 2019 06:31

Tgt Ion: 64 Resp: 4674

Ion Ratio Lower Upper

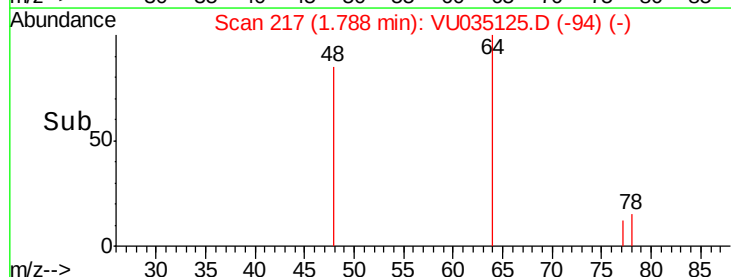
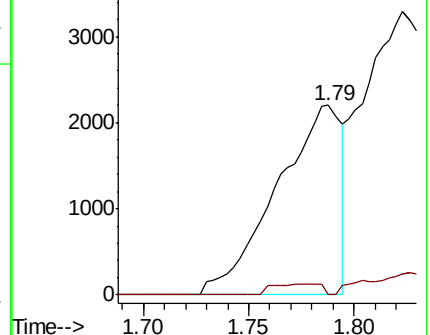
64 100

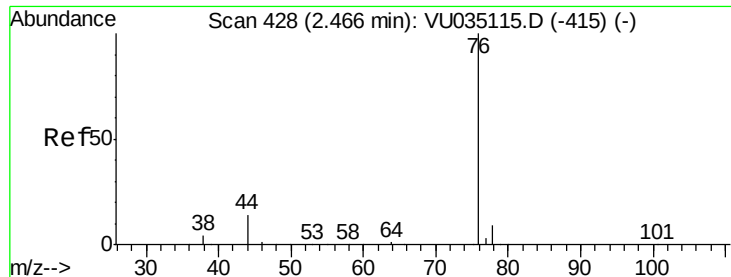
66 0.0 23.2 43.2#



Abundance Ion 64.10 (63.80 to 64.80): VU035115.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU035115.D (-176) (-)





#14

Carbon disulfide

Concen: 0.431 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035125.D

Acq: 12 Oct 2019 06:31

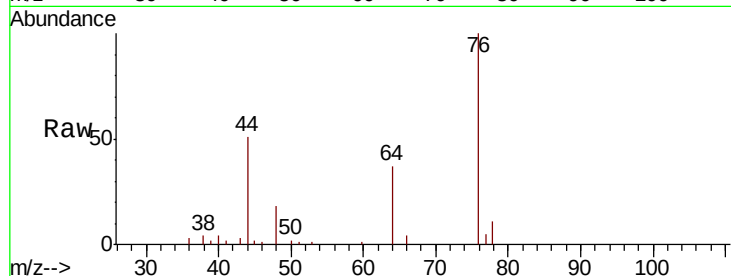
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 76 Resp: 15244

Ion Ratio Lower Upper

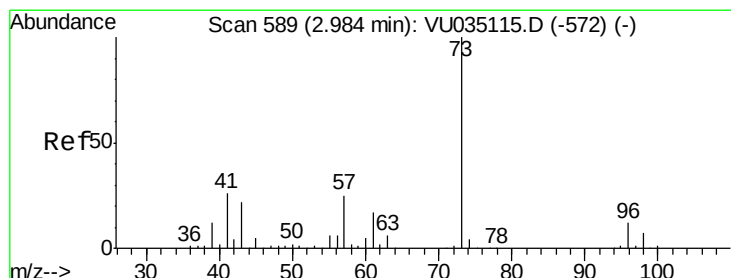
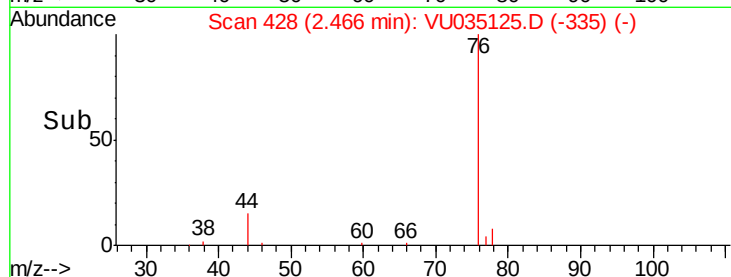
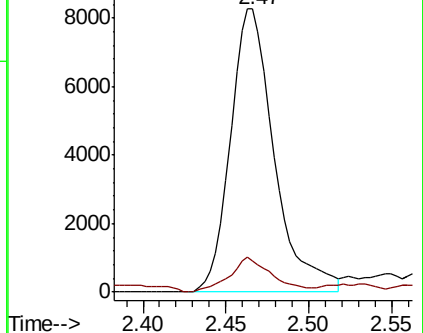
76 100

78 11.0 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU035115.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU035115.D (-415) (-)



#17

Methyl tert-butyl Ether

Concen: 0.322 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU035125.D

Acq: 12 Oct 2019 06:31

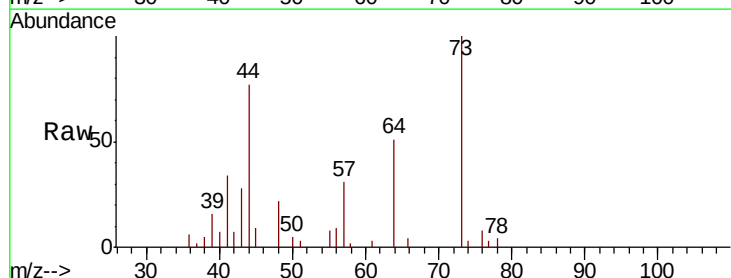
Tgt Ion: 73 Resp: 9331

Ion Ratio Lower Upper

73 100

43 26.8 16.3 24.5#

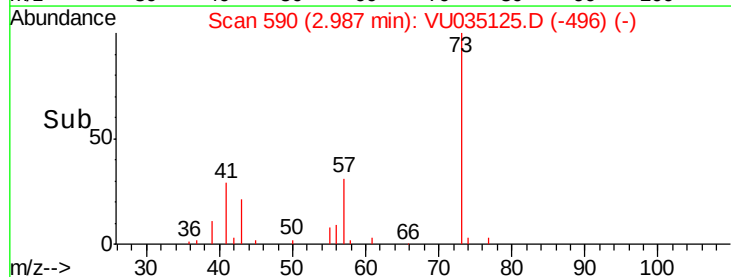
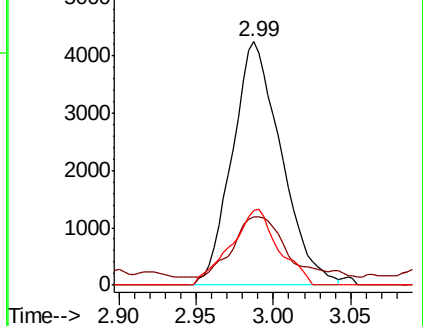
57 30.6 18.6 28.0#

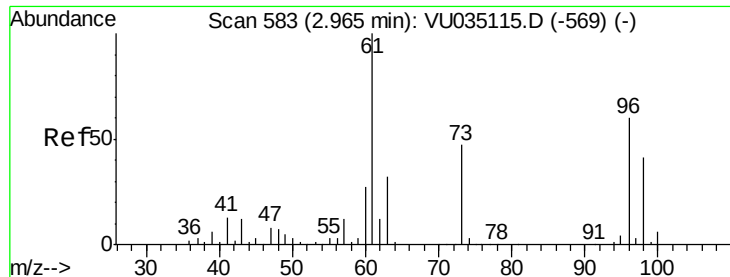


Abundance Ion 73.10 (72.80 to 73.80): VU035115.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU035115.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU035115.D (-572) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.060 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU035125.D

Acq: 12 Oct 2019 06:31

Instrument :
MSVOA_U
ClientSampled :

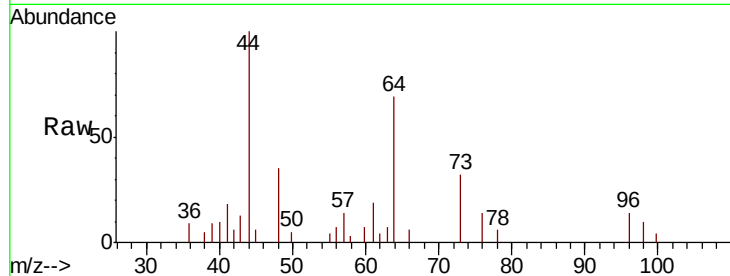
Tot Ion: 96 Resp: 679

Ion Ratio Lower Upper

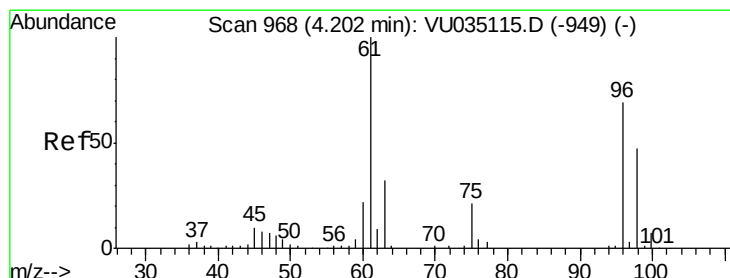
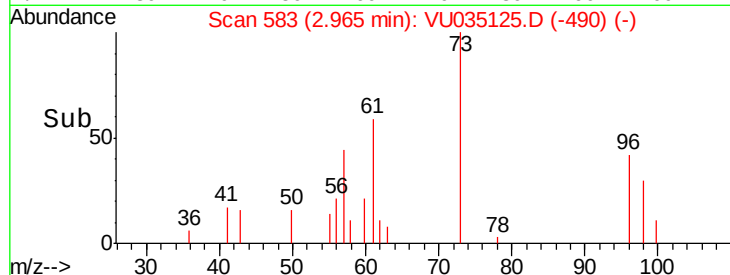
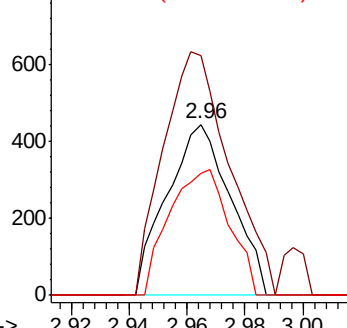
96 100

61 140.1 107.1 198.9

98 71.4 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 0.979 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035125.D

Acq: 12 Oct 2019 06:31

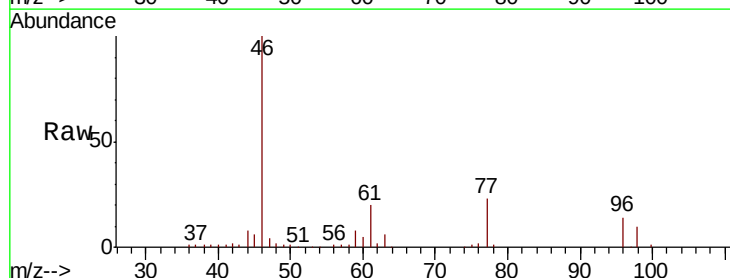
Tgt Ion: 96 Resp: 12436

Ion Ratio Lower Upper

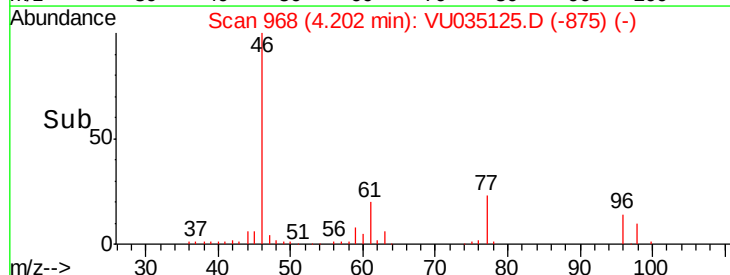
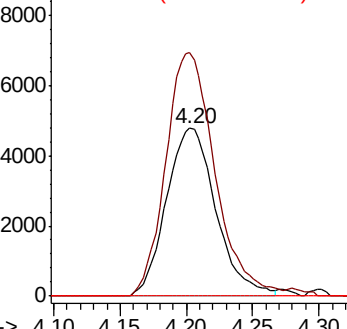
96 100

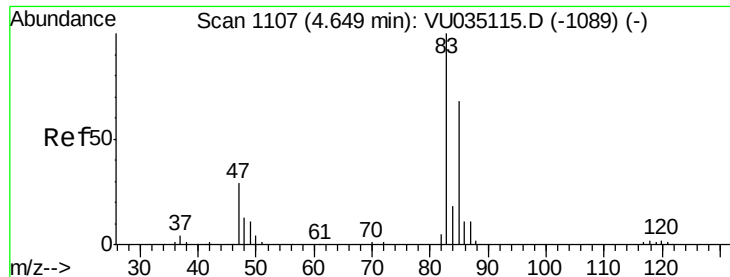
61 144.9 89.2 165.6

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

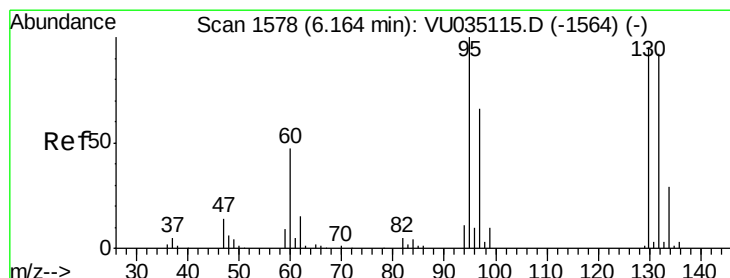
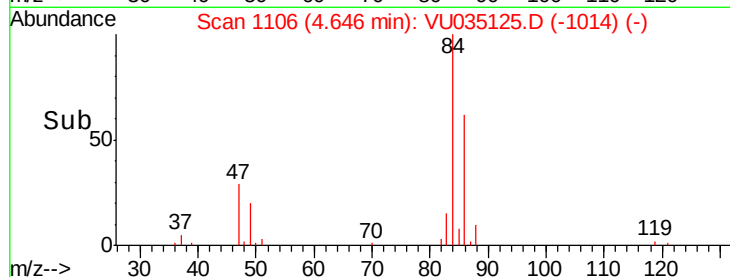
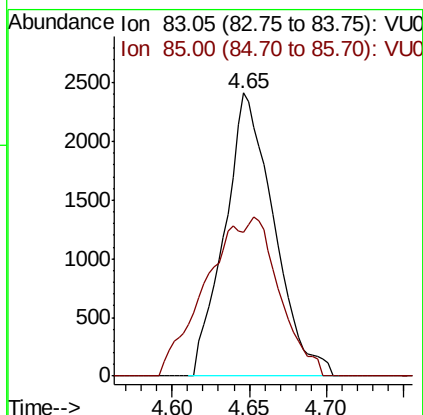
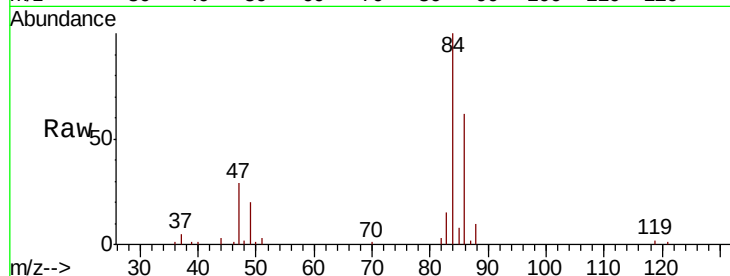




#25
Chloroform
Concen: 0.210 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU035125.D
Acq: 12 Oct 2019 06:31

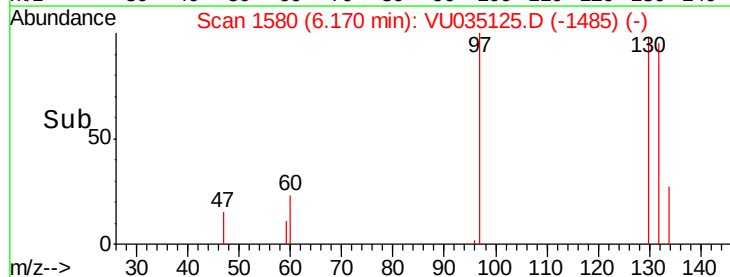
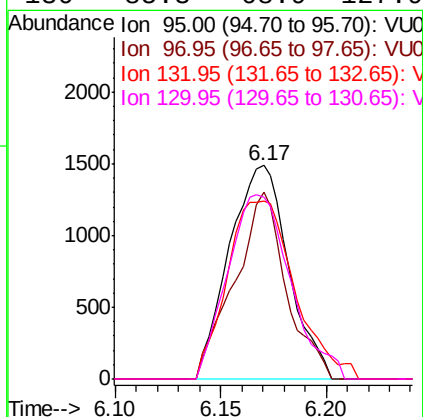
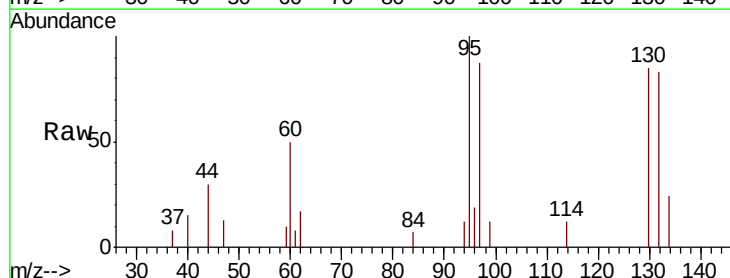
Instrument :
MSVOA_U
ClientSampled :

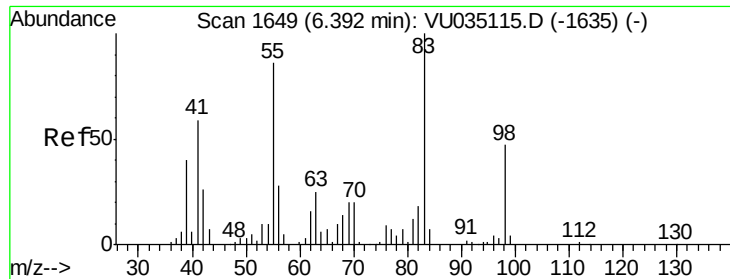
Tot Ion: 83 Resp: 5342
Ion Ratio Lower Upper
83 100
85 50.8 45.4 84.4



#34
Trichloroethene
Concen: 0.218 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VU035125.D
Acq: 12 Oct 2019 06:31

Tgt Ion: 95 Resp: 2905
Ion Ratio Lower Upper
95 100
97 87.4 44.5 82.7#
132 83.1 66.6 123.8
130 85.3 68.9 127.9

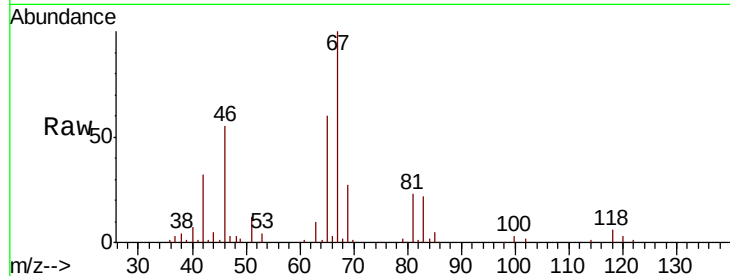




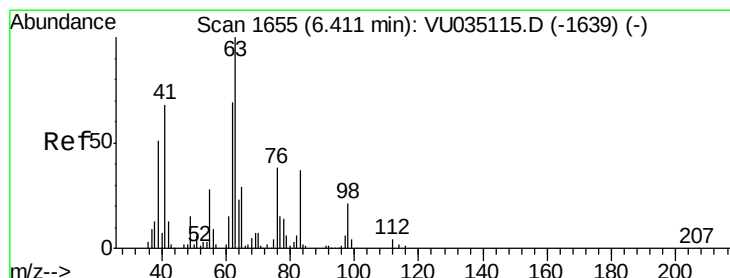
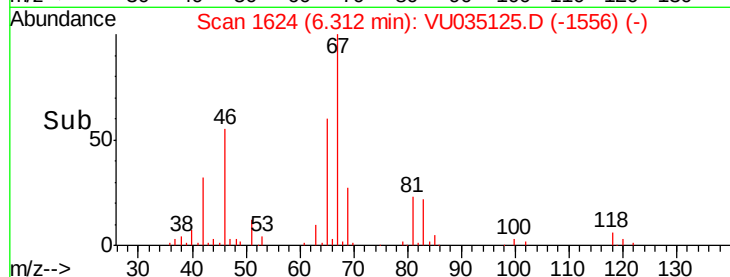
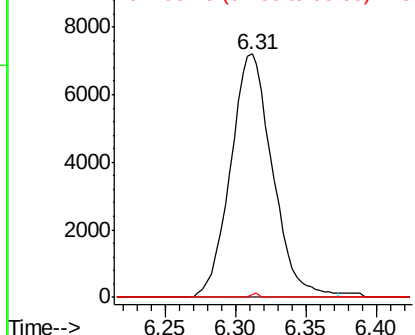
#35
Methylcyclohexane
Concen: 0.694 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU035125.D
Acq: 12 Oct 2019 06:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 14992
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.3 36.2 54.2#

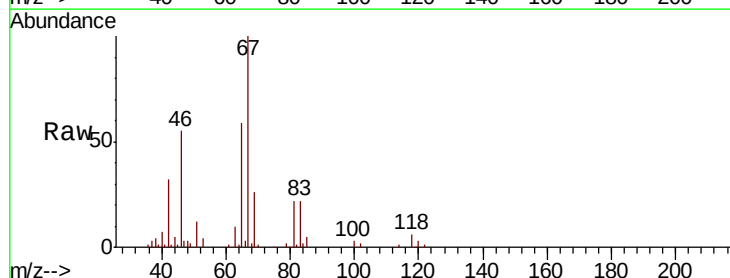


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

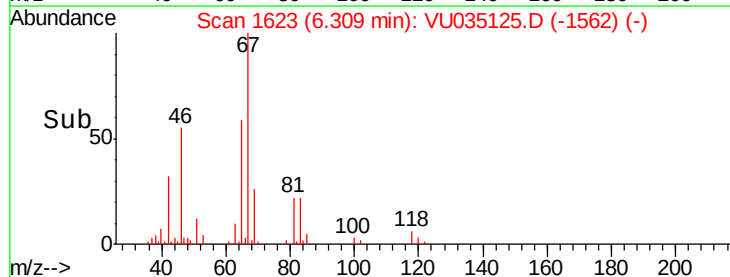
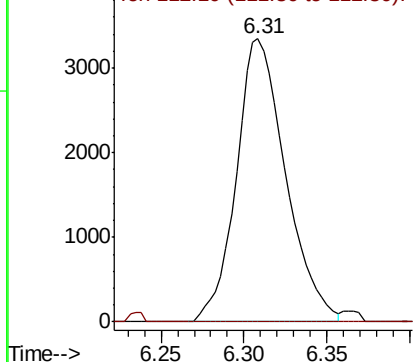


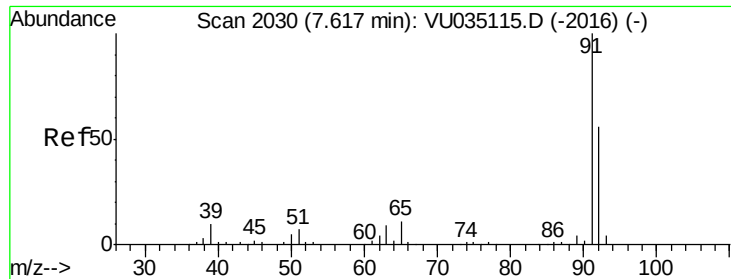
#37
1,2-Dichloropropane
Concen: 0.497 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU035125.D
Acq: 12 Oct 2019 06:31

Tgt Ion: 63 Resp: 6931
Ion Ratio Lower Upper
63 100
112 0.9 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.101 ug/L

RT: 7.62 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VU035125.D

Acq: 12 Oct 2019 06:31

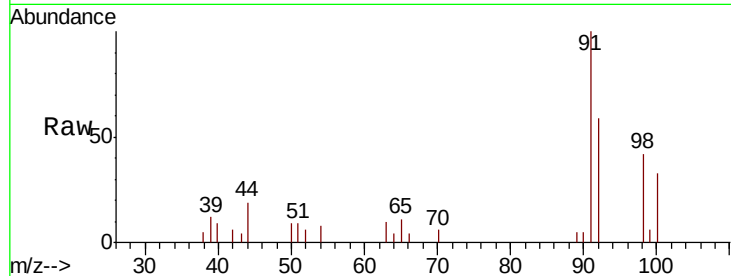
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 5434

Ion Ratio Lower Upper

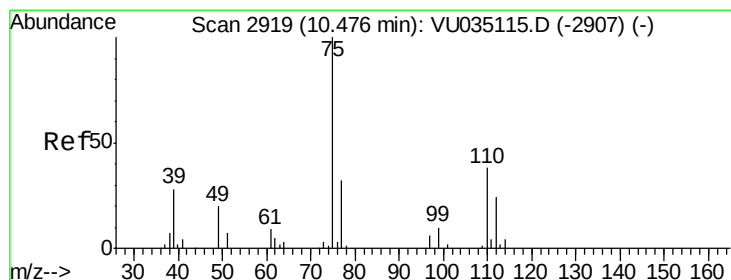
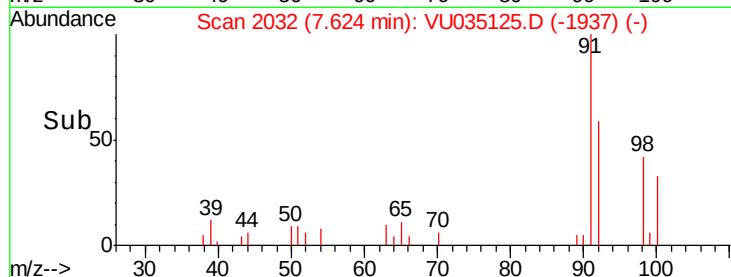
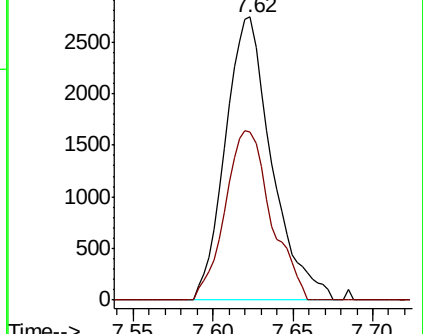
91 100

92 59.3 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035115.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU035115.D (-2016) (-)



#59

1,2,3-Trichloropropane

Concen: 1.076 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU035125.D

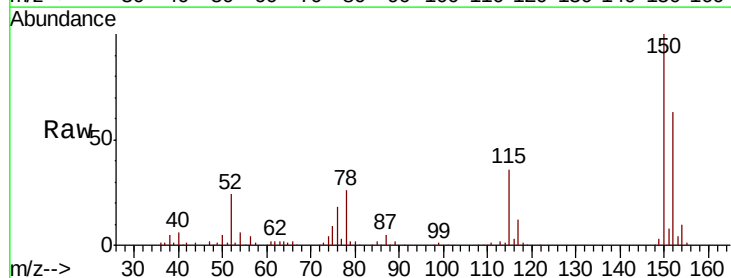
Acq: 12 Oct 2019 06:31

Tgt Ion: 75 Resp: 9720

Ion Ratio Lower Upper

75 100

77 33.8 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU035115.D (-2907) (-)

Ion 77.00 (76.70 to 77.70): VU035115.D (-2907) (-)

