

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
 Data File : VU035769.D
 Acq On : 19 Nov 2019 14:28
 Operator : JC/SP
 Sample : K5930-08 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 20 00:41:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 20 00:37:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	200507	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	230622	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	97825	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	80319	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	1.93	69	78868	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.59	63	107680	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.00%
20) 2-Butanone-d5	4.71	46	259204	56.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.76%
24) Chloroform-d	5.11	84	154346	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.75	65	88466	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.77	84	313269	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.74	67	108806	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.93	98	247004	3.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.80%
43) trans-1,3-Dichloropropene-	8.22	79	37568	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.68	63	188494	51.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.62%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	103142	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	97470	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

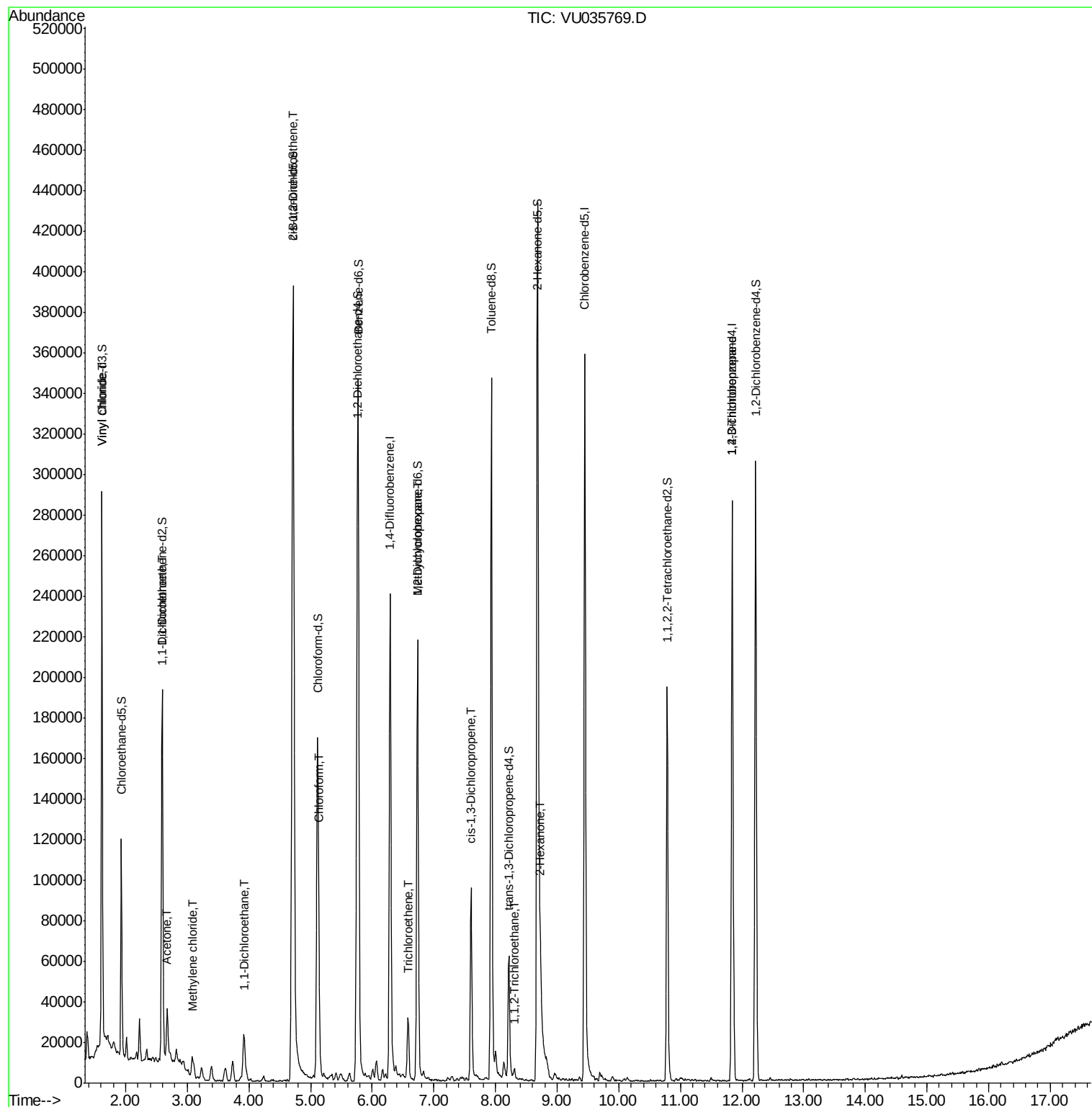
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	117078	4.593	ug/L	92
12) 1,1-Dichloroethene	2.61	96	3046	0.173	ug/L #	1
13) Acetone	2.67	43	32408	9.865	ug/L	100
16) Methylene chloride	3.08	84	5120	0.245	ug/L	92
19) 1,1-Dichloroethane	3.92	63	26079	0.774	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	141535	7.060	ug/L	99
25) Chloroform	5.14	83	13343	0.364	ug/L	94
34) Trichloroethene	6.58	95	9364	0.451	ug/L	94
35) Methylcyclohexane	6.74	83	24506	0.774	ug/L #	18
39) cis-1,3-Dichloropropene	7.60	75	2425	0.079	ug/L #	44
45) 1,1,2-Trichloroethane	8.31	97	3350	0.219	ug/L #	14
48) 2-Hexanone	8.73	43	16262	1.861	ug/L #	91
59) 1,2,3-Trichloropropane	11.84	75	10702	0.757	ug/L	100

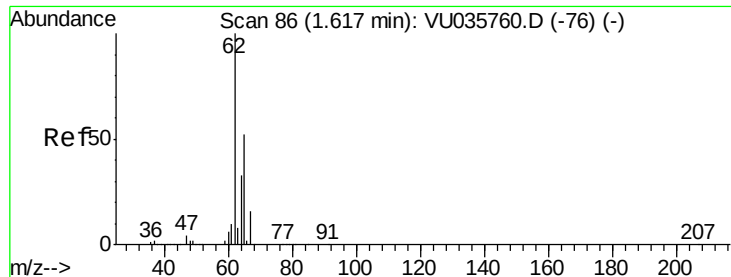
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.593 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035769.D

Acq: 19 Nov 2019 14:28

Instrument :

MSVOA_U

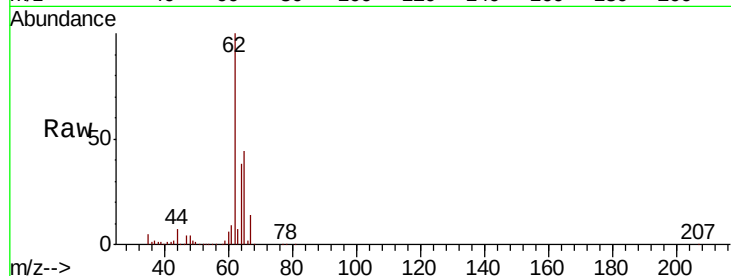
ClientSampled :

Tot Ion: 62 Resp: 117078

Ion Ratio Lower Upper

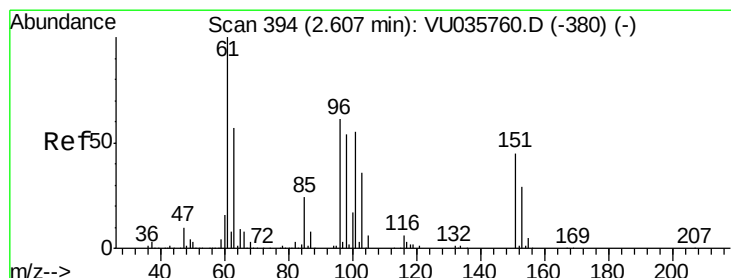
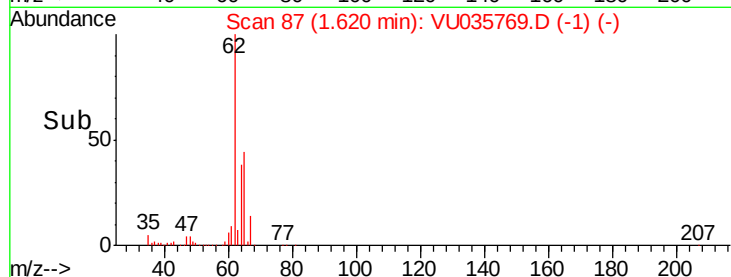
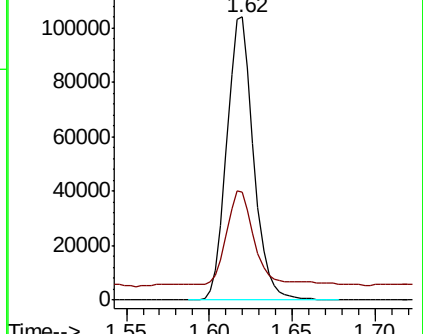
62 100

64 38.2 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU035769.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035769.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 0.173 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035769.D

Acq: 19 Nov 2019 14:28

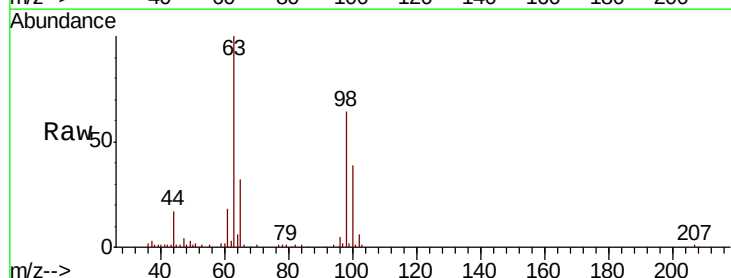
Tgt Ion: 96 Resp: 3046

Ion Ratio Lower Upper

96 100

61 342.0 123.1 228.5#

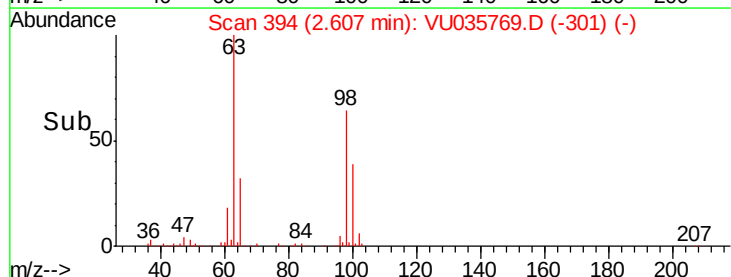
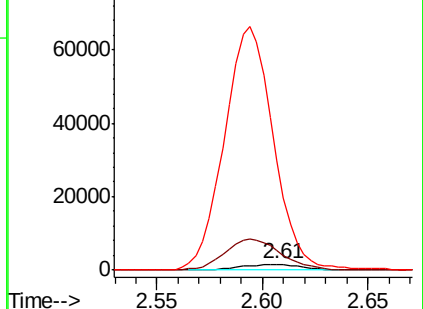
63 1874.7 87.8 163.0#

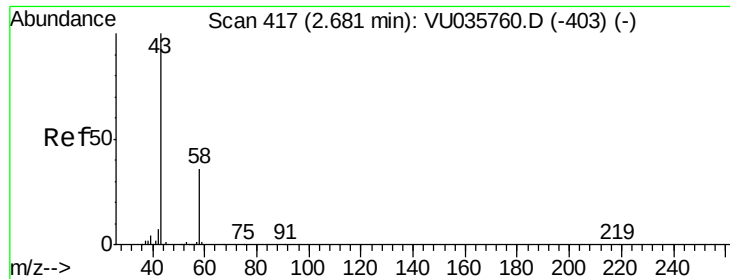


Abundance Ion 96.00 (95.70 to 96.70): VU035769.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035769.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035769.D (-301) (-)





#13

Acetone

Concen: 9.865 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU035769.D

Acq: 19 Nov 2019 14:28

Instrument :

MSVOA_U

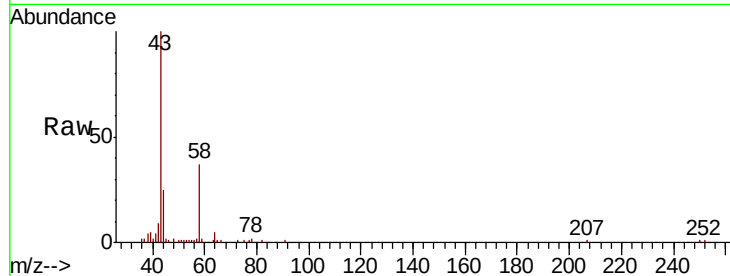
ClientSampleId :

Tot Ion: 43 Resp: 32408

Ion Ratio Lower Upper

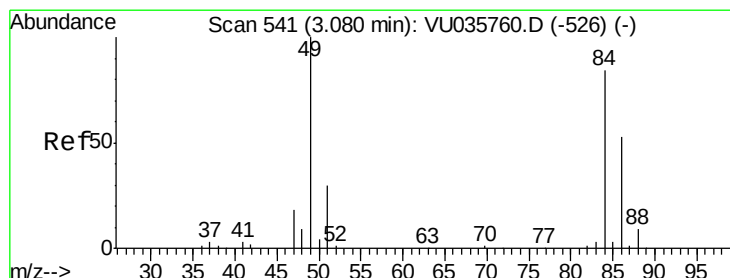
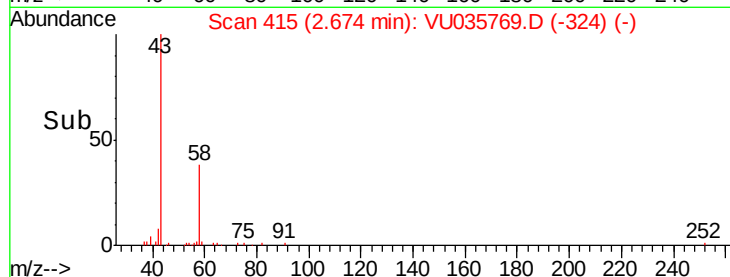
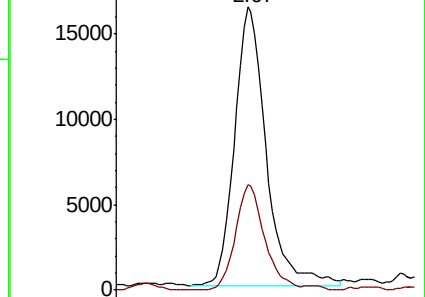
43 100

58 34.9 0.0 69.8



Abundance Ion 43.05 (42.75 to 43.75): VU035769.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU035769.D (-324) (-)



#16

Methylene chloride

Concen: 0.245 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035769.D

Acq: 19 Nov 2019 14:28

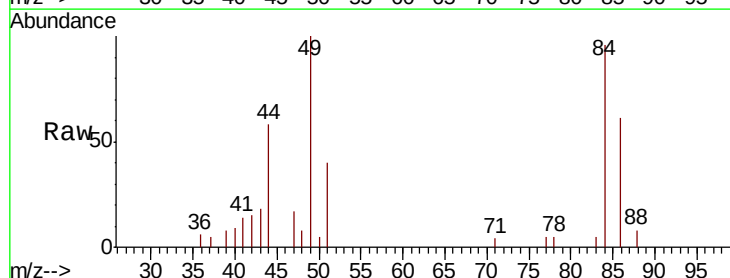
Tgt Ion: 84 Resp: 5120

Ion Ratio Lower Upper

84 100

86 63.3 45.8 85.2

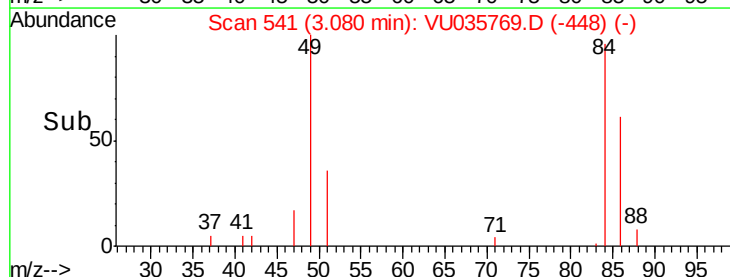
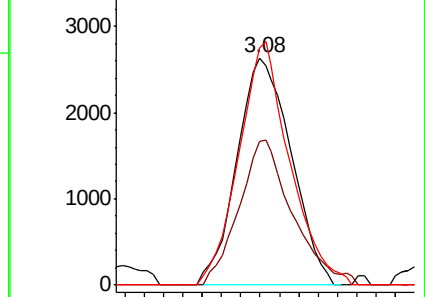
49 104.5 81.9 152.1

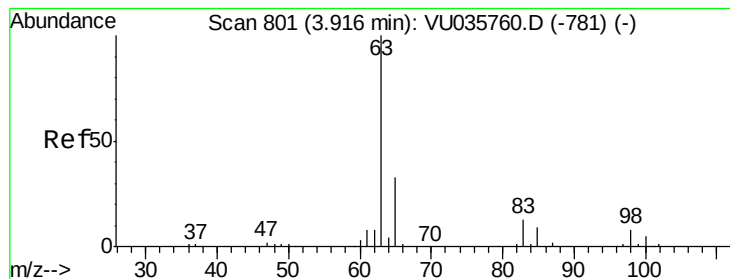


Abundance Ion 84.05 (83.75 to 84.75): VU035769.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU035769.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU035769.D (-448) (-)





#19

1,1-Dichloroethane

Concen: 0.774 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035769.D

Acq: 19 Nov 2019 14:28

Instrument :

MSVOA_U

ClientSampleId :

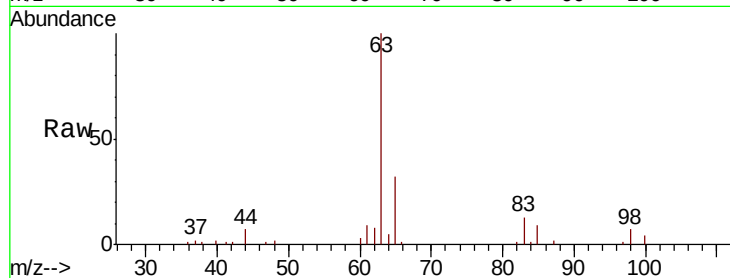
Tot Ion: 63 Resp: 26079

Ion Ratio Lower Upper

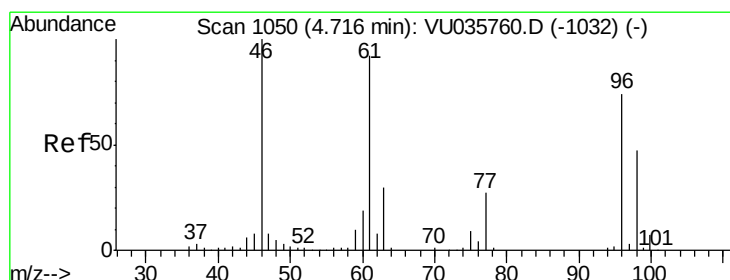
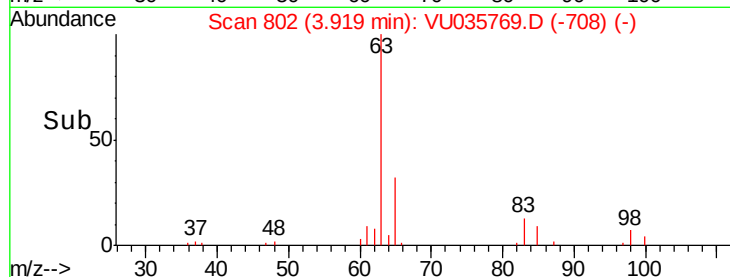
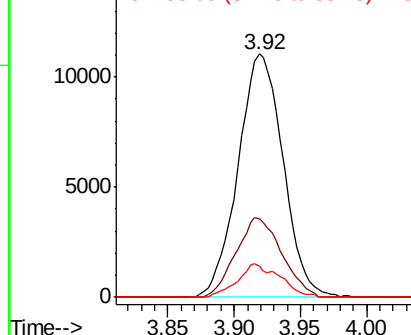
63 100

65 32.5 22.0 40.8

83 12.9 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 7.060 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035769.D

Acq: 19 Nov 2019 14:28

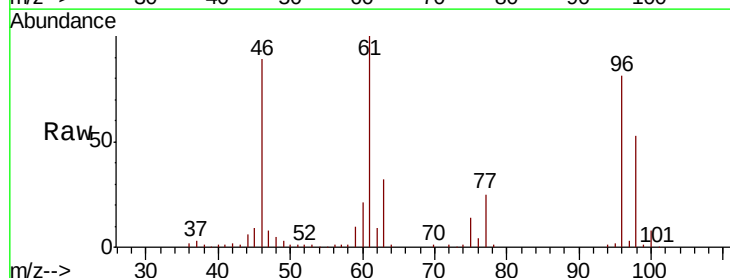
Tgt Ion: 96 Resp: 141535

Ion Ratio Lower Upper

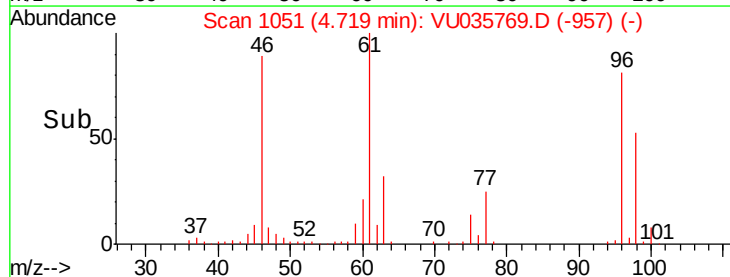
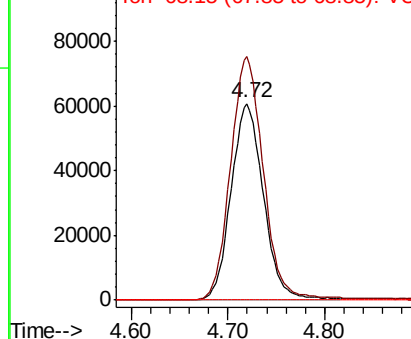
96 100

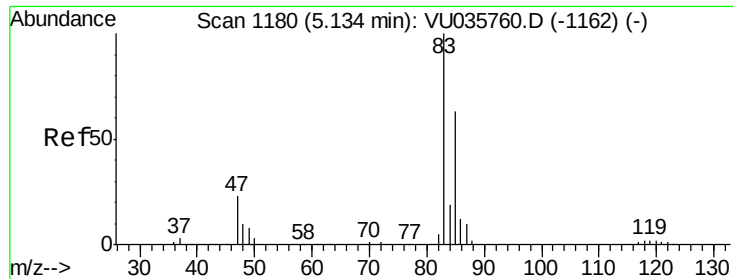
61 123.7 87.0 161.6

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

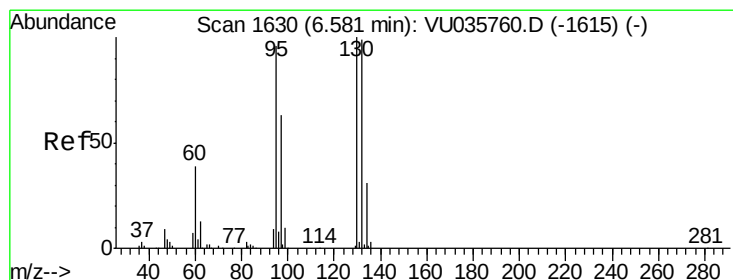
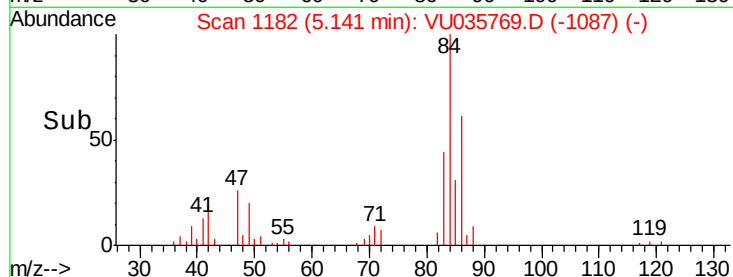
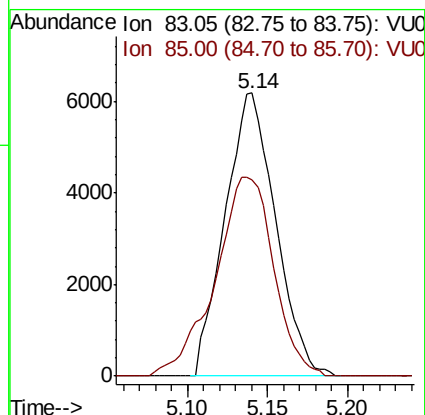
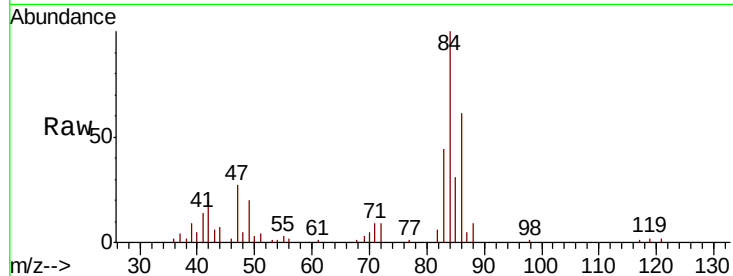




#25
Chloroform
Concen: 0.364 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VU035769.D
Acq: 19 Nov 2019 14:28

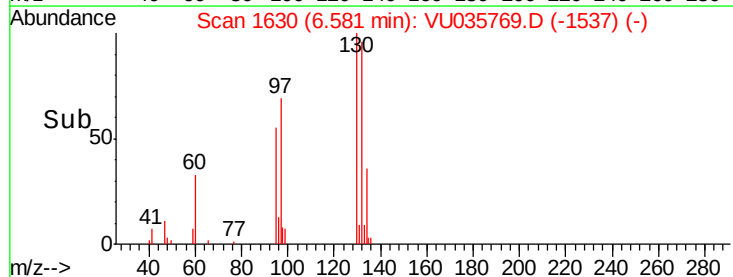
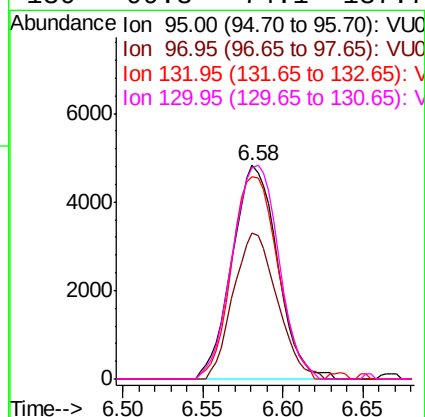
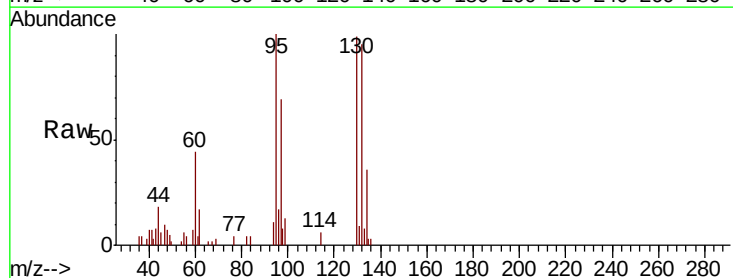
Instrument :
MSVOA_U
ClientSampleId :

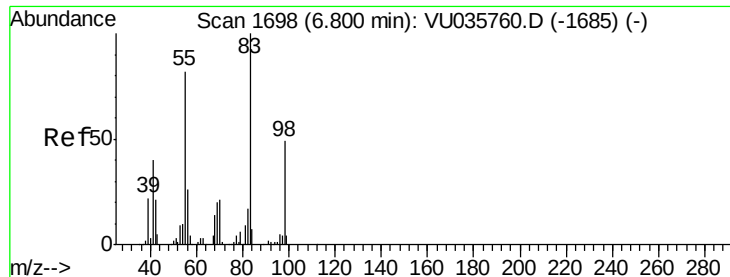
Tot Ion: 83 Resp: 13343
Ion Ratio Lower Upper
83 100
85 69.4 45.4 84.2



#34
Trichloroethene
Concen: 0.451 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU035769.D
Acq: 19 Nov 2019 14:28

Tgt Ion: 95 Resp: 9364
Ion Ratio Lower Upper
95 100
97 68.6 44.5 82.7
132 94.8 69.9 129.7
130 99.3 74.1 137.7





#35

Methylvlcyclohexane

Concen: 0.774 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035769.D

Acq: 19 Nov 2019 14:28

Instrument :

MSVOA_U

ClientSampleId :

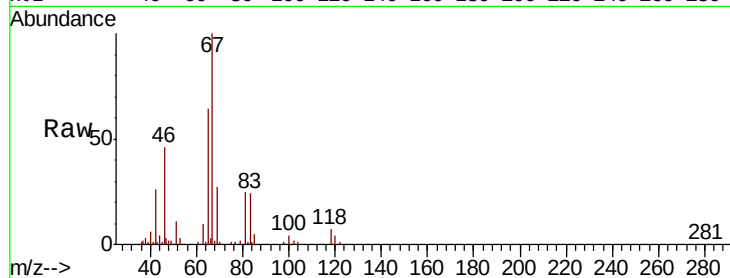
Tot Ion: 83 Resp: 24506

Ion Ratio Lower Upper

83 100

55 0.0 62.6 93.8#

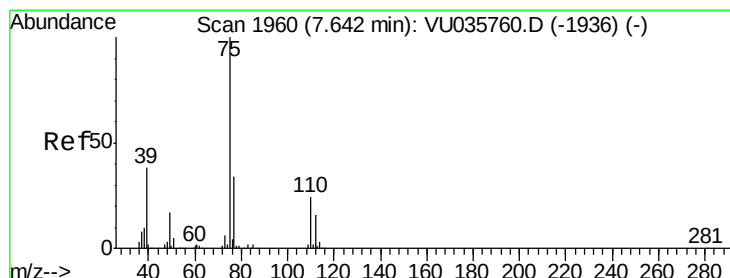
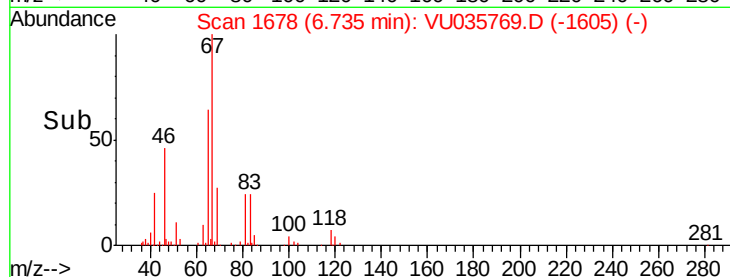
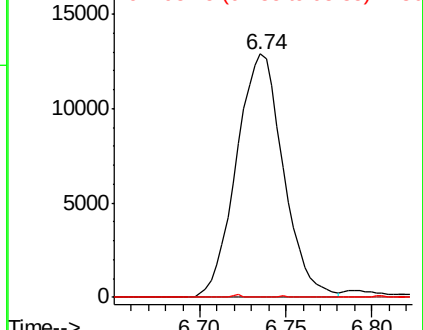
98 0.2 37.2 55.8#



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



#39

cis-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU035769.D

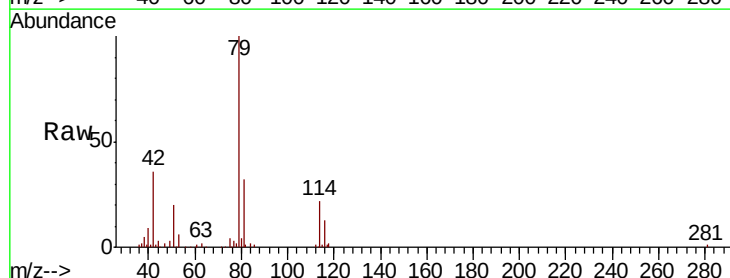
Acq: 19 Nov 2019 14:28

Tgt Ion: 75 Resp: 2425

Ion Ratio Lower Upper

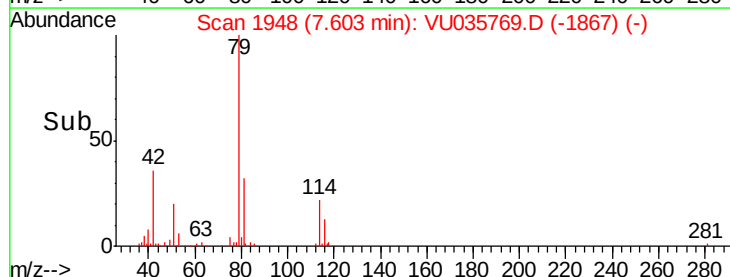
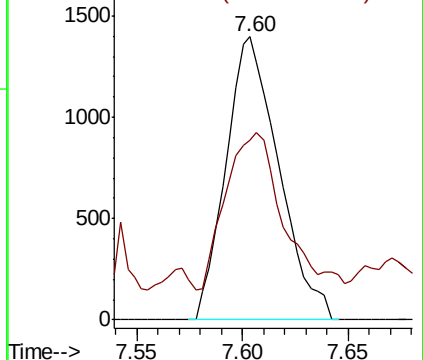
75 100

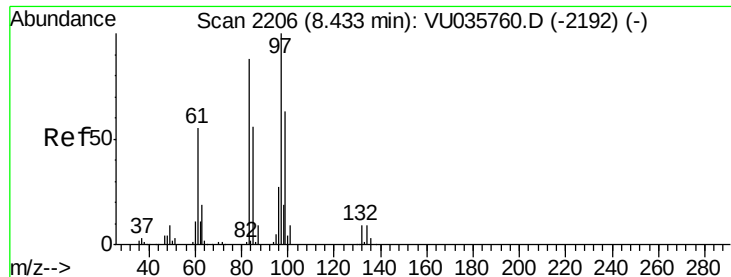
77 63.5 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

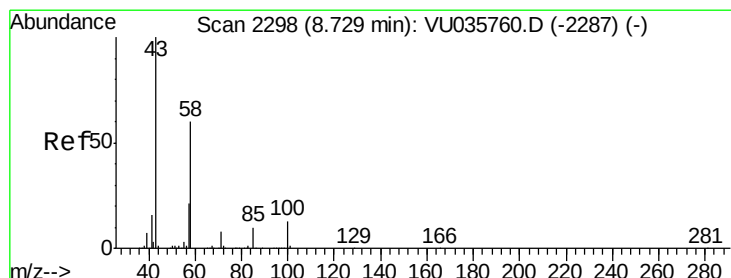
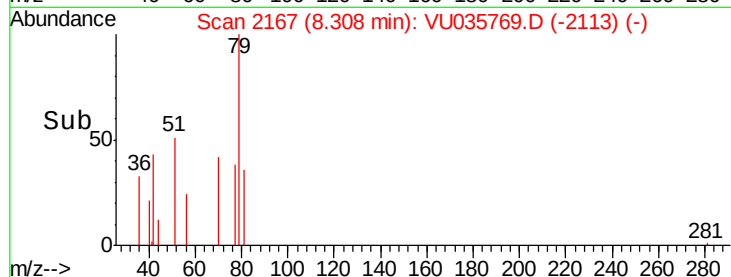
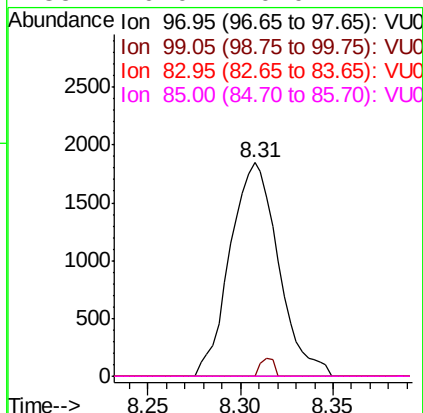
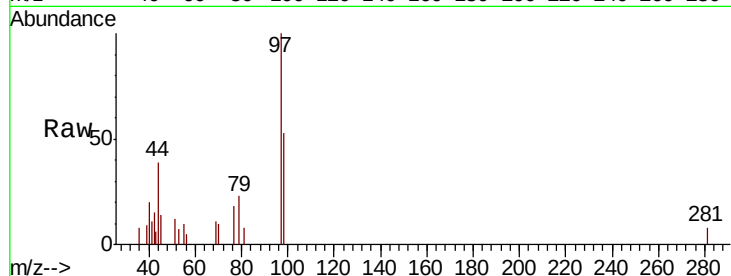




#45
 1,1,2-Trichloroethane
 Concen: 0.219 ug/L
 RT: 8.31 min Scan# 2167
 Delta R.T. -0.13 min
 Lab File: VU035769.D
 Acq: 19 Nov 2019 14:28

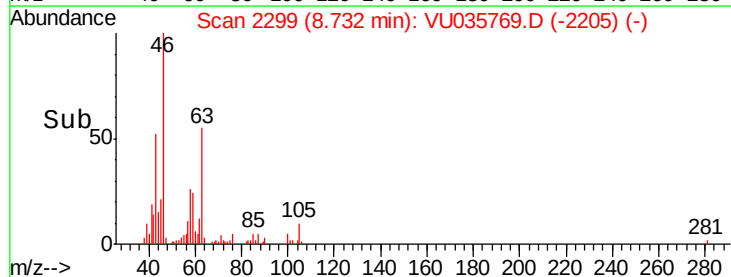
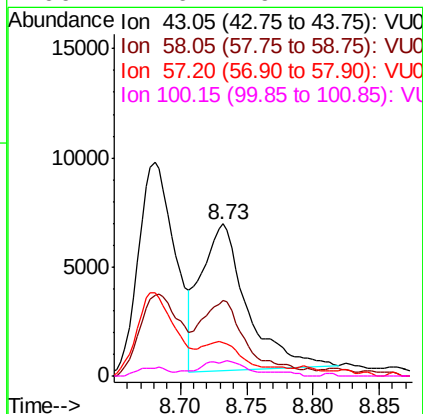
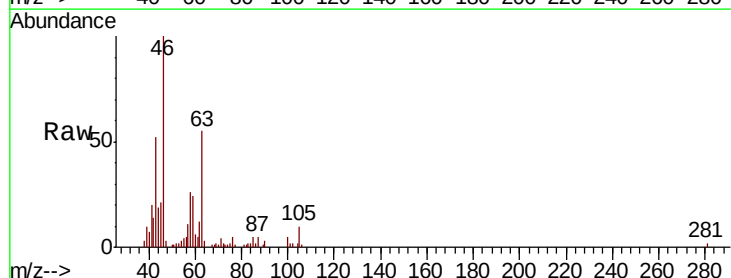
Instrument :
 MSVOA_U
 ClientSampled :

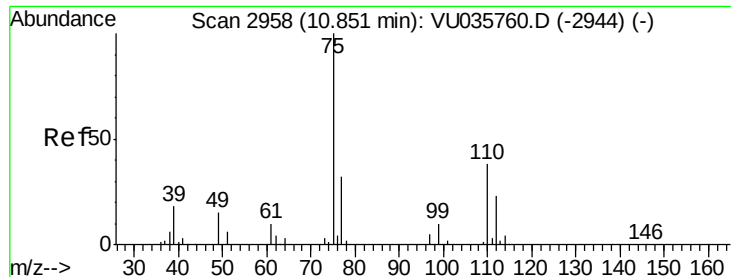
Tot Ion: 97 Resp: 3350
 Ion Ratio Lower Upper
 97 100
 99 0.0 43.8 81.4#
 83 0.0 61.6 114.4#
 85 0.0 40.0 74.4#



#48
 2-Hexanone
 Concen: 1.861 ug/L
 RT: 8.73 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VU035769.D
 Acq: 19 Nov 2019 14:28

Tgt Ion: 43 Resp: 16262
 Ion Ratio Lower Upper
 43 100
 58 50.9 44.1 66.1
 57 14.9 15.1 22.7#
 100 2.6 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 0.757 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU035769.D

Acq: 19 Nov 2019 14:28

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 10702

Ion Ratio Lower Upper

75 100

77 33.7 26.8 40.2

