

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111919\
 Data File : VU035772.D
 Acq On : 19 Nov 2019 15:41
 Operator : JC/SP
 Sample : K5930-04 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 20 00:41:32 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	6.30	114	182116	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	215921	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	73245	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	77473	4.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.60%
7) Chloroethane-d5	1.94	69	78712	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.60	63	104781	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.70	46	217879	52.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.28%
24) Chloroform-d	5.12	84	159993	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
26) 1,2-Dichloroethane-d4	5.75	65	83375	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.77	84	300660	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.74	67	104254	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.93	98	240353	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloropropene-	8.22	79	35706	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
46) 2-Hexanone-d5	8.70	63	145699	42.36	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.72%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	92350	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	73596	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

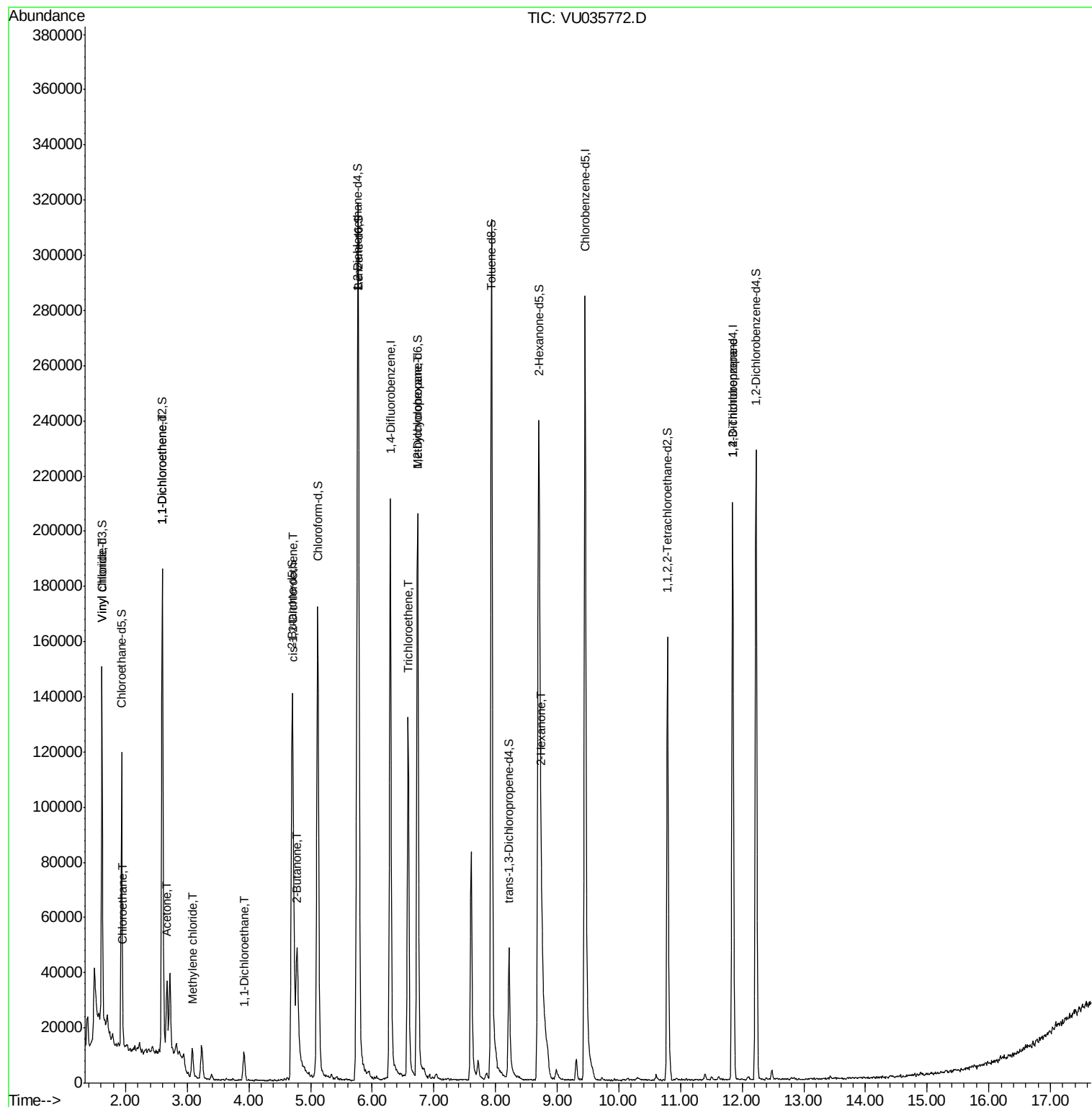
					Ovalue
5) Vinyl chloride	1.62	62	14900	0.643 ug/L #	1
8) Chloroethane	1.96	64	1705	0.128 ug/L #	71
12) 1,1-Dichloroethene	2.61	96	2477	0.155 ug/L #	1
13) Acetone	2.67	43	28315	9.489 ug/L	99
16) Methylene chloride	3.08	84	4604	0.242 ug/L #	84
19) 1,1-Dichloroethane	3.92	63	12115	0.396 ug/L	99
21) 2-Butanone	4.78	43	60695	13.698 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	12289	0.675 ug/L	94
34) Trichloroethene	6.58	95	46891	2.411 ug/L	99
35) Methylcyclohexane	6.74	83	23728	0.801 ug/L #	18
48) 2-Hexanone	8.75	43	16579	2.026 ug/L #	67
59) 1,2,3-Trichloropropane	11.84	75	7606	0.574 ug/L	90

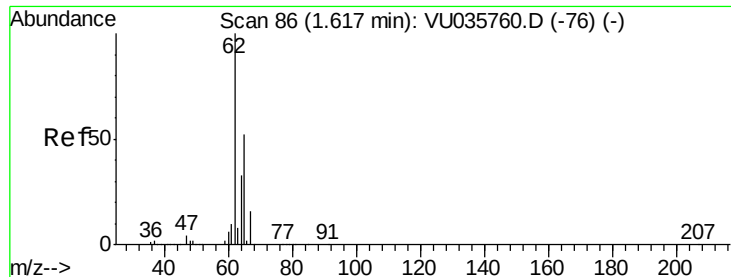
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 20 00:37:27 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.643 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035772.D

Acq: 19 Nov 2019 15:41

Instrument :

MSVOA_U

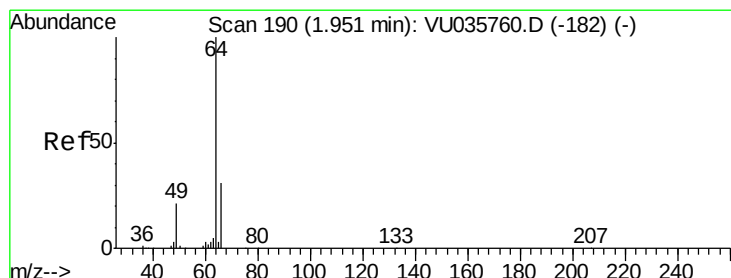
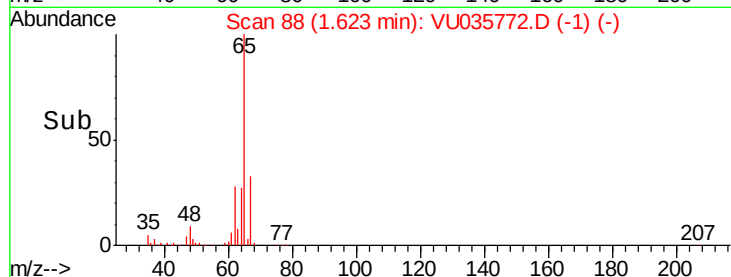
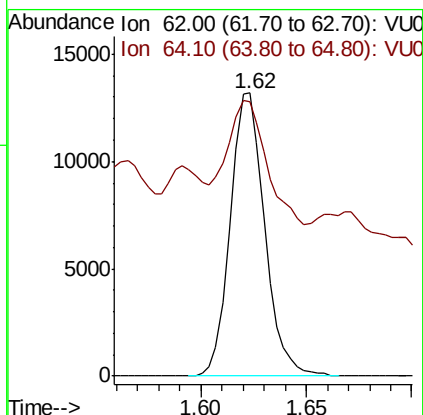
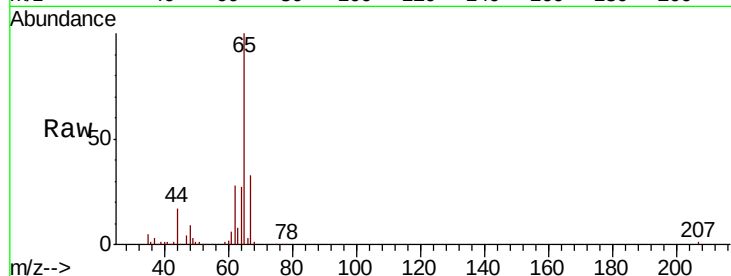
ClientSampled :

Tot Ion: 62 Resp: 14900

Ion Ratio Lower Upper

62 100

64 96.8 23.5 43.7#



#8

Chloroethane

Concen: 0.128 ug/L

RT: 1.96 min Scan# 193

Delta R.T. 0.01 min

Lab File: VU035772.D

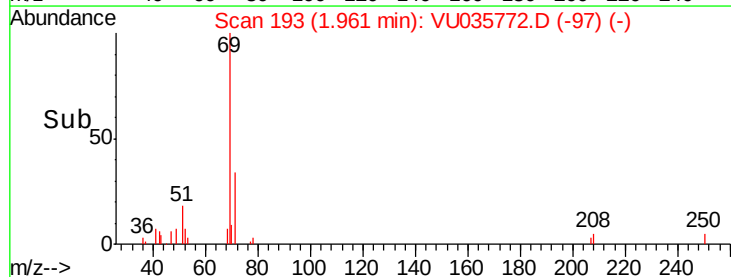
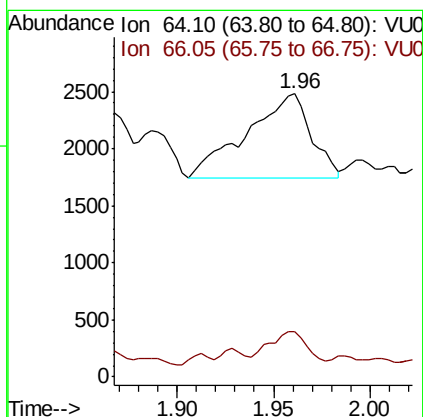
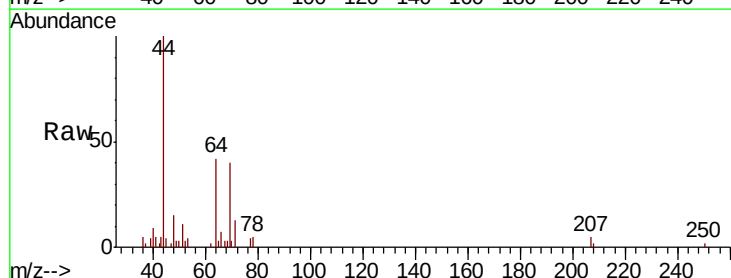
Acq: 19 Nov 2019 15:41

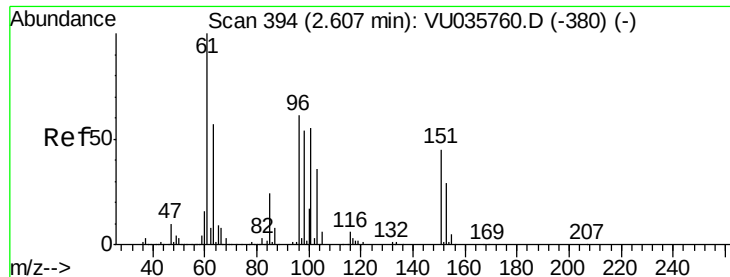
Tgt Ion: 64 Resp: 1705

Ion Ratio Lower Upper

64 100

66 15.9 22.5 41.7#

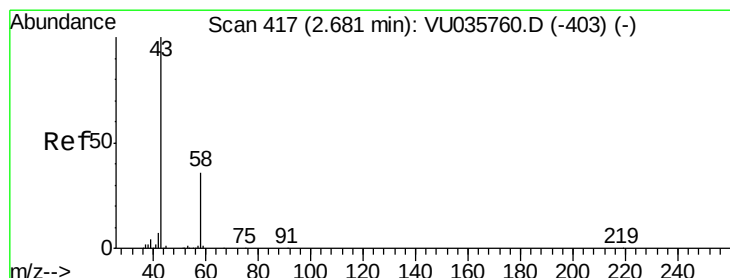
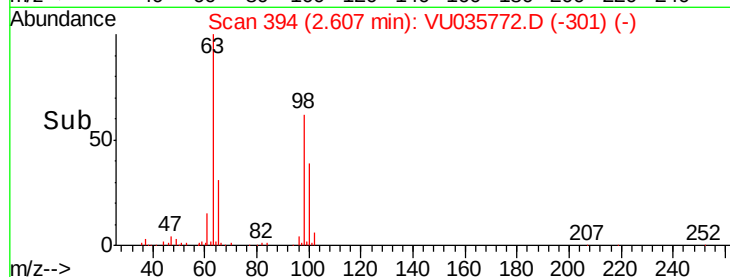
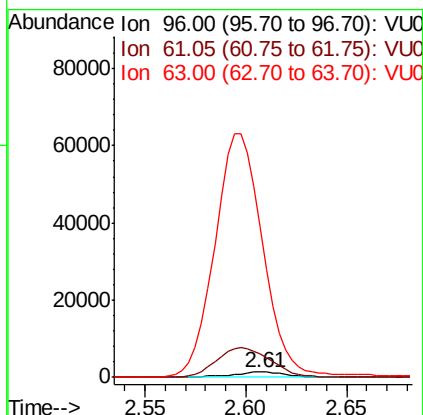
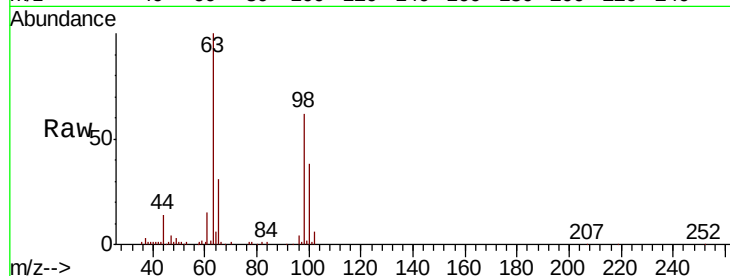




#12
 1,1-Dichloroethene
 Concen: 0.155 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU035772.D
 Acq: 19 Nov 2019 15:41

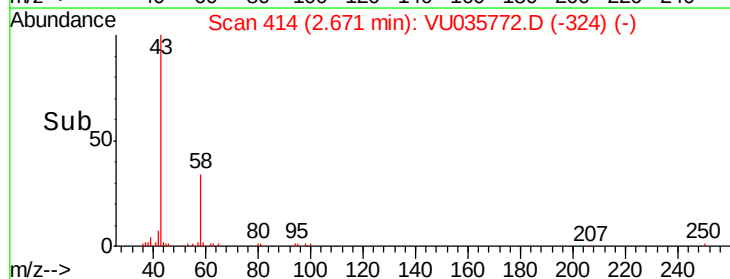
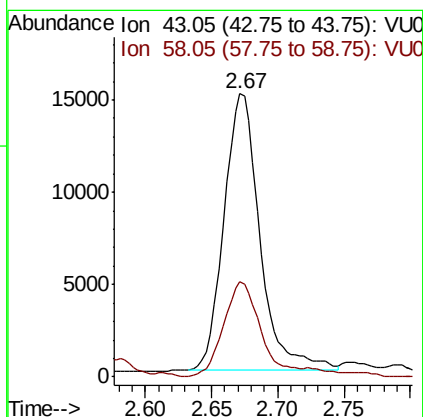
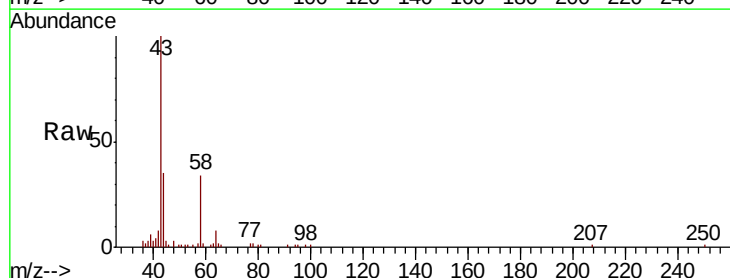
Instrument :
 MSVOA_U
 ClientSampleId :

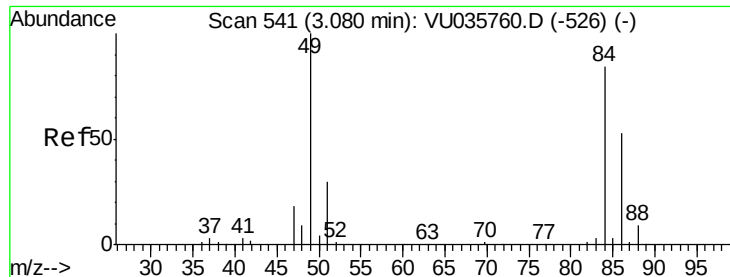
Tot Ion: 96 Resp: 2477
 Ion Ratio Lower Upper
 96 100
 61 438.1 123.1 228.5#
 63 2856.2 87.8 163.0#



#13
 Acetone
 Concen: 9.489 ug/L
 RT: 2.67 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: VU035772.D
 Acq: 19 Nov 2019 15:41

Tgt Ion: 43 Resp: 28315
 Ion Ratio Lower Upper
 43 100
 58 35.3 0.0 69.8

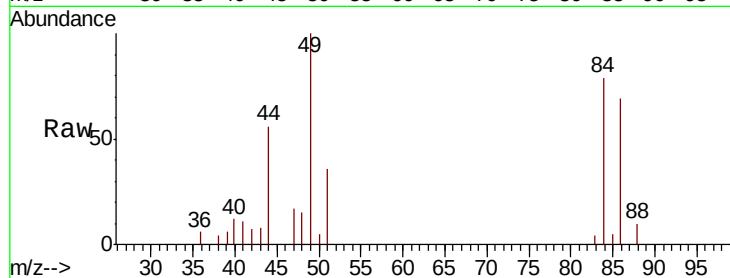




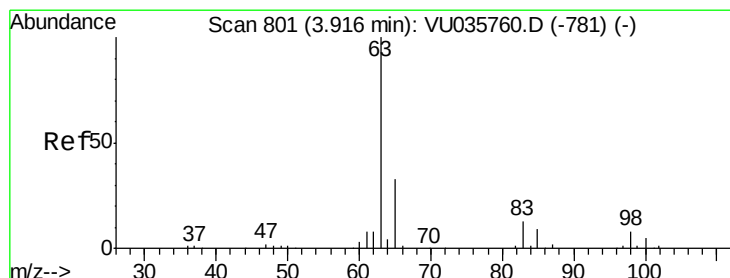
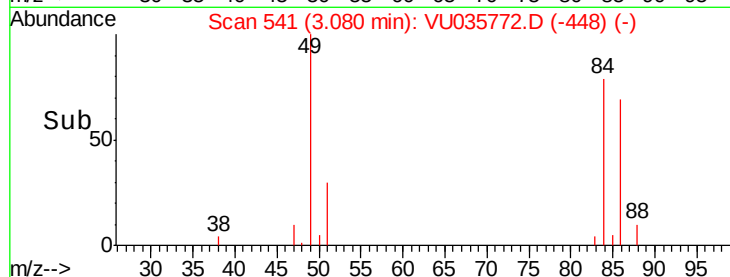
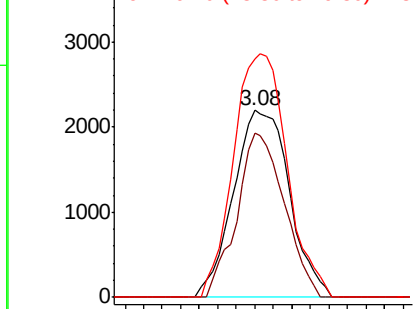
#16
Methylene chloride
Concen: 0.242 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU035772.D
Acq: 19 Nov 2019 15:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 4604
Ion Ratio Lower Upper
84 100
86 87.6 45.8 85.2#
49 127.3 81.9 152.1

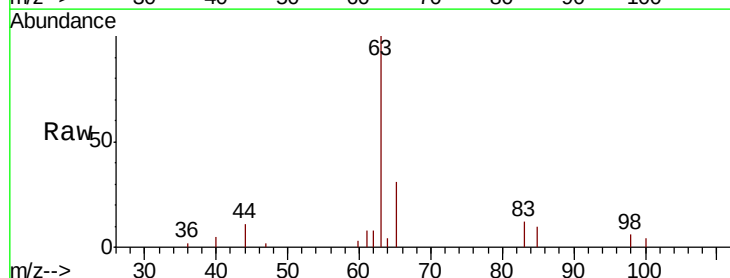


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

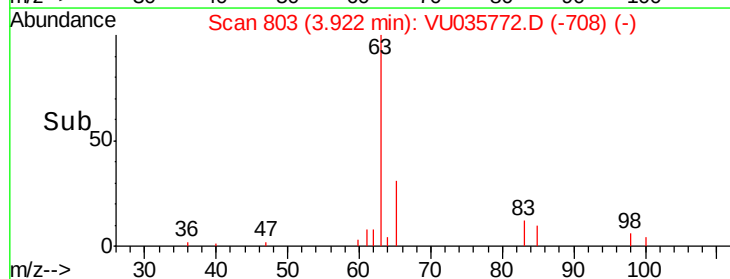
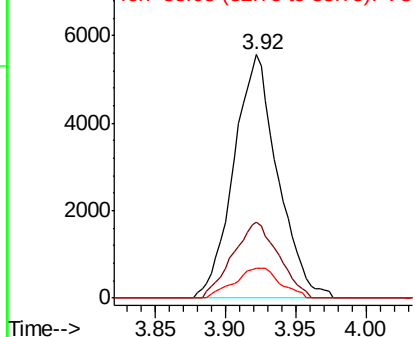


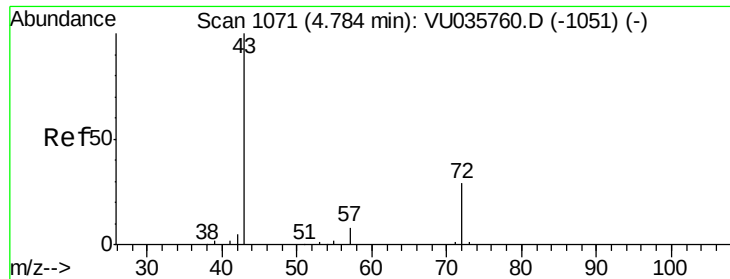
#19
1,1-Dichloroethane
Concen: 0.396 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.01 min
Lab File: VU035772.D
Acq: 19 Nov 2019 15:41

Tgt Ion: 63 Resp: 12115
Ion Ratio Lower Upper
63 100
65 31.3 22.0 40.8
83 12.4 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





#21

2-Butanone

Concen: 13.698 ug/L

RT: 4.78 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VU035772.D

Acq: 19 Nov 2019 15:41

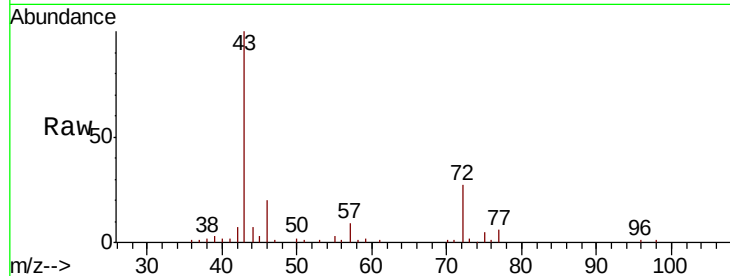
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 60695

Ion Ratio Lower Upper

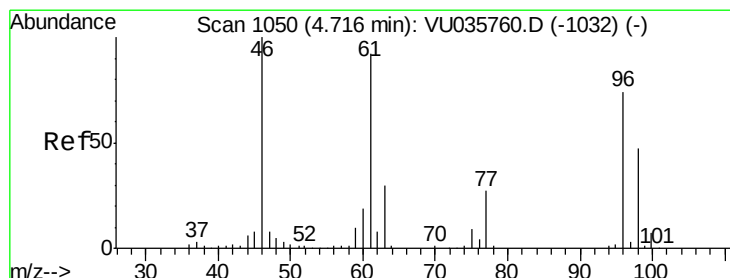
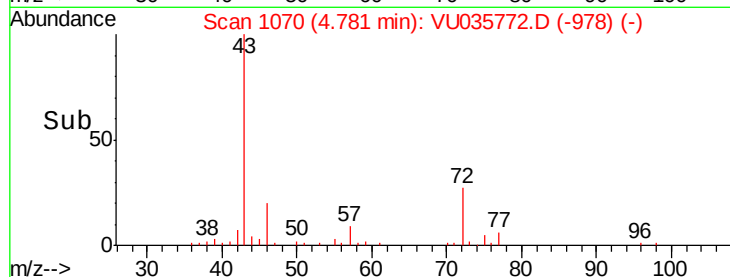
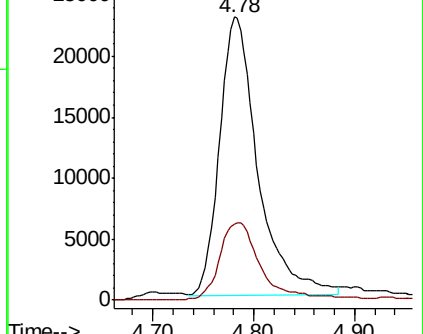
43 100

72 29.1 14.3 42.9



Abundance Ion 43.05 (42.75 to 43.75): VU035772.D (-978) (-)

Ion 72.10 (71.80 to 72.80): VU035772.D (-978) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.675 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035772.D

Acq: 19 Nov 2019 15:41

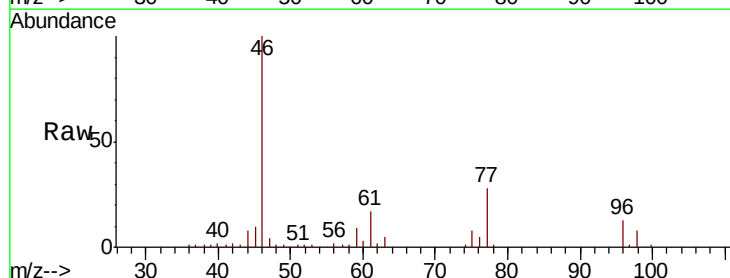
Tgt Ion: 96 Resp: 12289

Ion Ratio Lower Upper

96 100

61 131.5 87.0 161.6

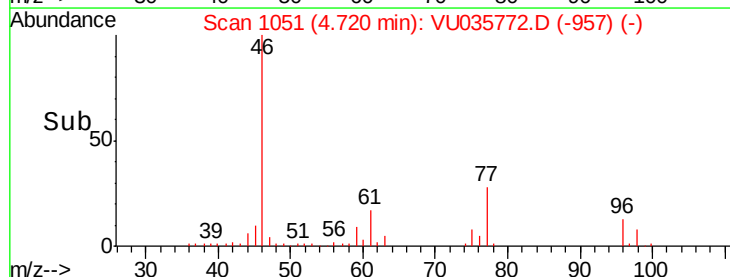
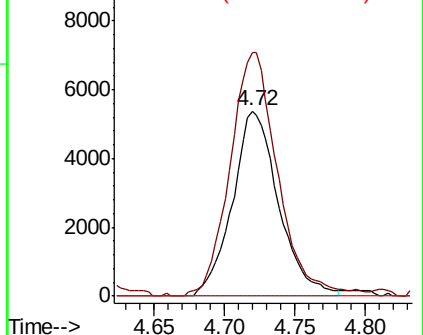
68 0.0 0.0 0.0

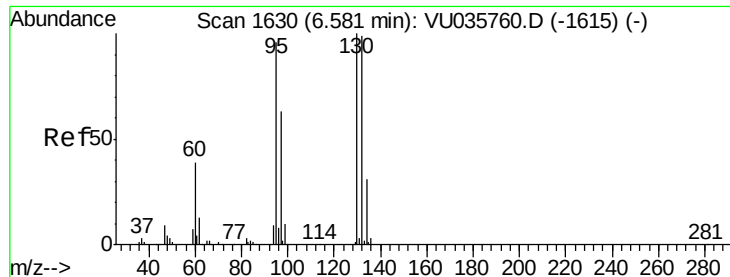


Abundance Ion 96.00 (95.70 to 96.70): VU035772.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035772.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035772.D (-957) (-)





#34

Trichloroethene

Concen: 2.411 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035772.D

Acq: 19 Nov 2019 15:41

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 46891

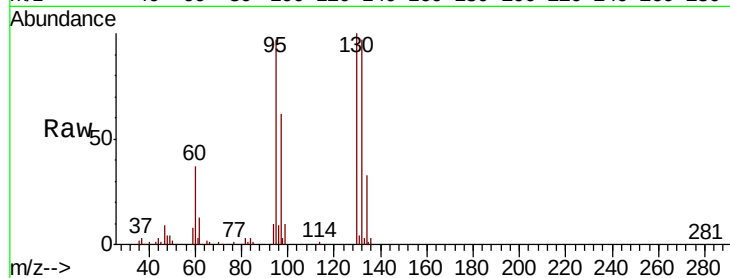
Ion Ratio Lower Upper

95 100

97 63.6 44.5 82.7

132 100.7 69.9 129.7

130 103.4 74.1 137.7

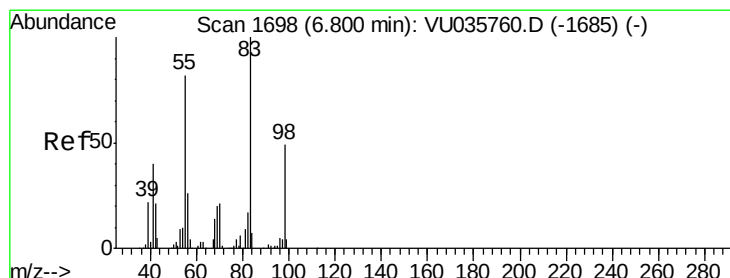
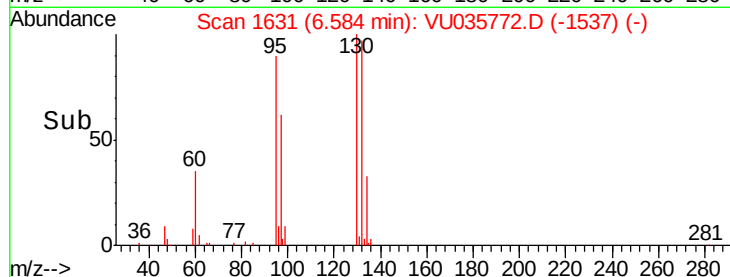
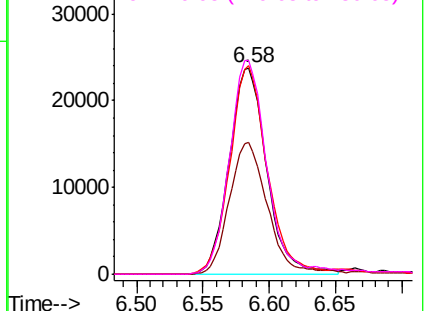


Abundance Ion 95.00 (94.70 to 95.70): VU035772.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035772.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035772.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035772.D (-1537) (-)



#35

Methylcyclohexane

Concen: 0.801 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035772.D

Acq: 19 Nov 2019 15:41

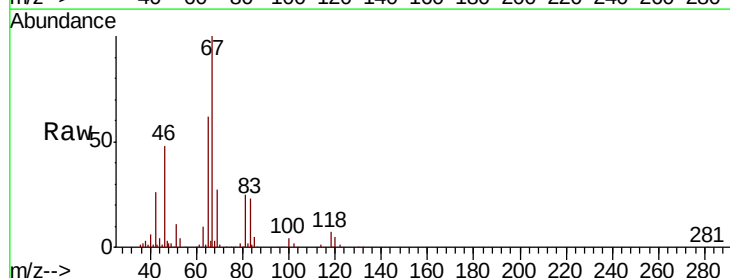
Tgt Ion: 83 Resp: 23728

Ion Ratio Lower Upper

83 100

55 0.5 62.6 93.8#

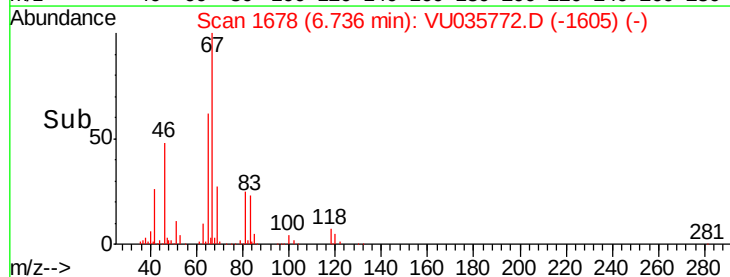
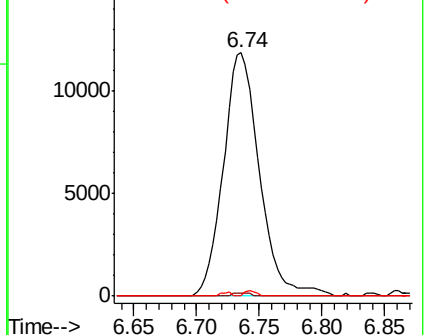
98 0.6 37.2 55.8#

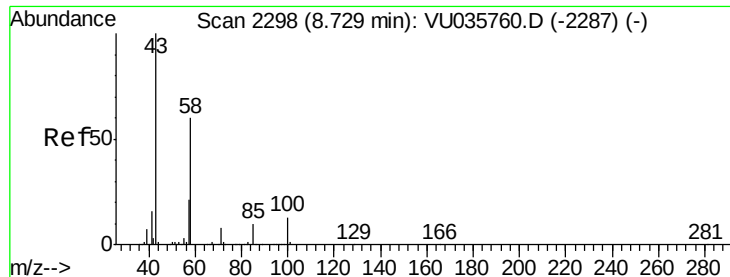


Abundance Ion 83.15 (82.85 to 83.85): VU035772.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035772.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035772.D (-1605) (-)

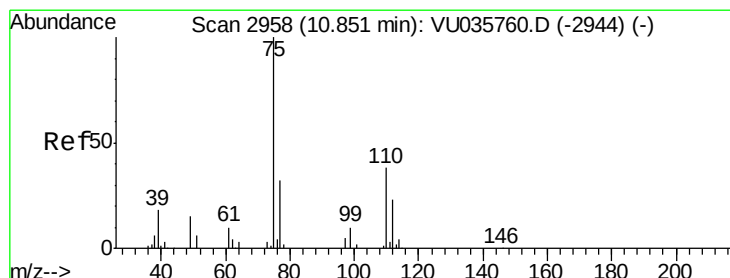
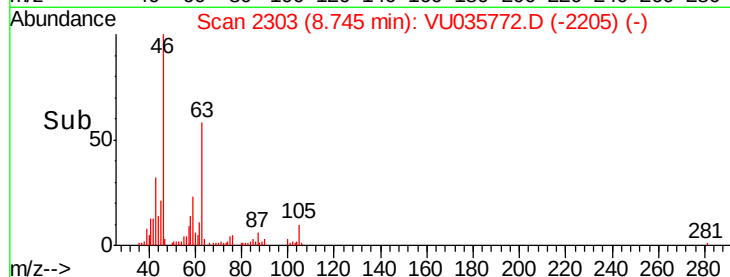
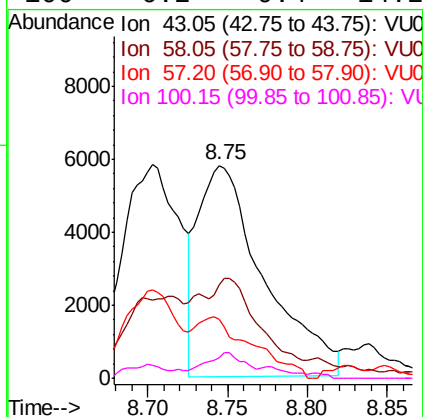
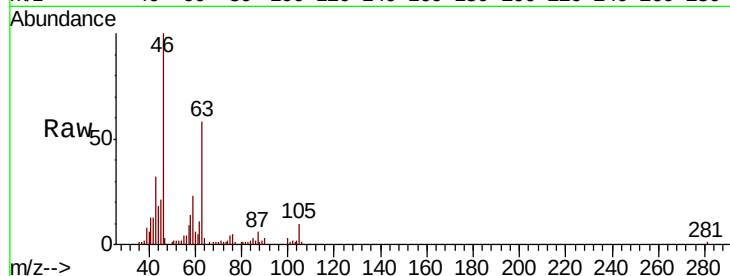




#48
 2-Hexanone
 Concen: 2.026 ug/L
 RT: 8.75 min Scan# 2303
 Delta R.T. 0.02 min
 Lab File: VU035772.D
 Acq: 19 Nov 2019 15:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 16579
 Ion Ratio Lower Upper
 43 100
 58 23.1 44.1 66.1#
 57 24.8 15.1 22.7#
 100 6.2 9.4 14.2#



#59
 1,2,3-Trichloropropane
 Concen: 0.574 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035772.D
 Acq: 19 Nov 2019 15:41

Tgt Ion: 75 Resp: 7606
 Ion Ratio Lower Upper
 75 100
 77 39.4 26.8 40.2

