

Data File : VU035411.D
Acq On : 23 Oct 2019 15:56
Operator : JC/SP
Sample : K5462-05DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G42DL

Quant Time: Oct 24 05:23:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	248999	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	246313	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	78592	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	60881	4.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.20%
7) Chloroethane-d5	1.93	69	64499	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.59	63	88552	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	4.70	46	234116	53.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.32%
24) Chloroform-d	5.11	84	134592	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.75	65	78146	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.77	84	261611	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.73	67	93492	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.93	98	214974	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	8.21	79	33046	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	8.68	63	164095	42.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.74%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	79897	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	68440	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

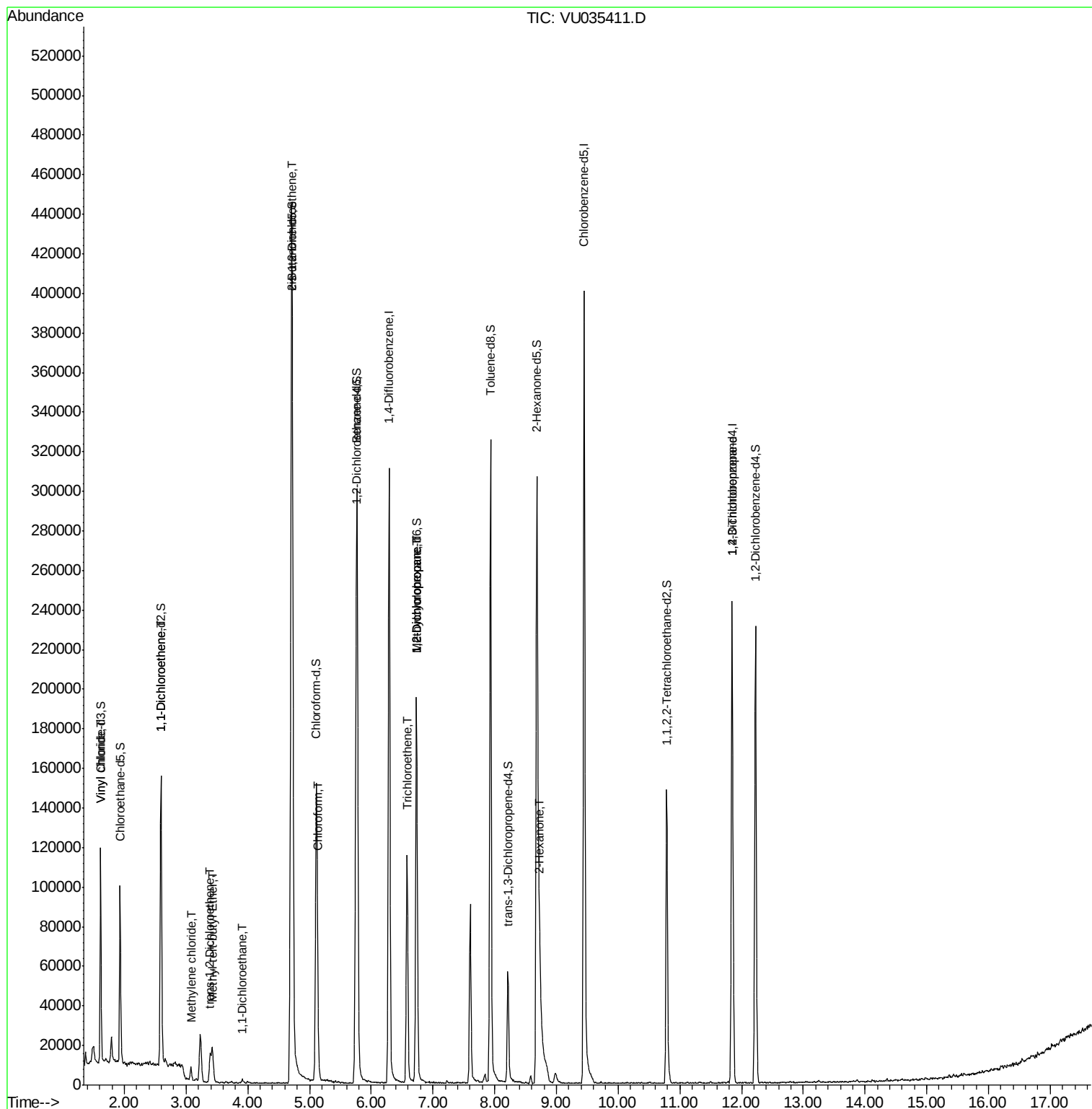
					Qvalue
5) Vinyl chloride	1.62	62	14299	0.662 ug/L #	63
12) 1,1-Dichloroethene	2.60	96	1025	0.064 ug/L #	1
16) Methylene chloride	3.08	84	3284	0.171 ug/L	93
17) Methyl tert-butyl Ether	3.43	73	18316	0.425 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	5684	0.329 ug/L	87
19) 1,1-Dichloroethane	3.92	63	2580	0.083 ug/L #	87
22) cis-1,2-Dichloroethene	4.72	96	172521	9.041 ug/L	97
25) Chloroform	5.14	83	11696	0.341 ug/L	96
34) Trichloroethene	6.58	95	38036	1.952 ug/L	94
35) Methylcyclohexane	6.74	83	20806	0.639 ug/L #	18
37) 1,2-Dichloropropane	6.73	63	10314	0.561 ug/L #	88
48) 2-Hexanone	8.74	43	12551	1.441 ug/L #	83
59) 1,2,3-Trichloropropane	11.85	75	10059	0.785 ug/L	91

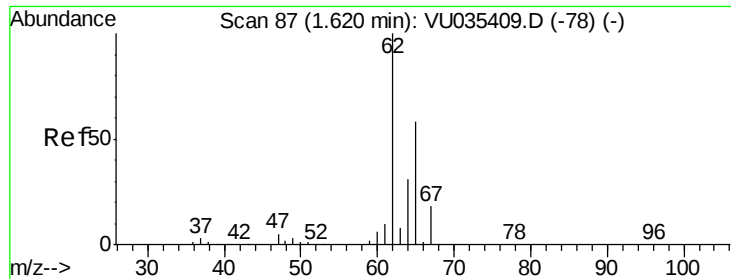
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.662 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035411.D

Acq: 23 Oct 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

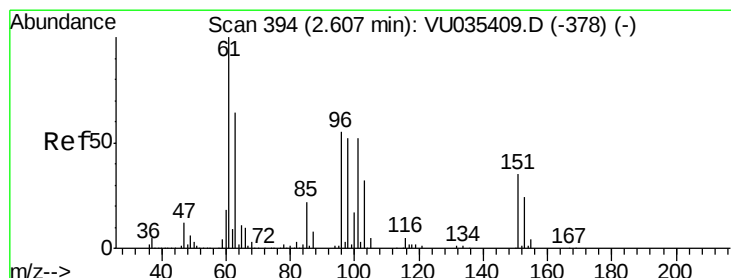
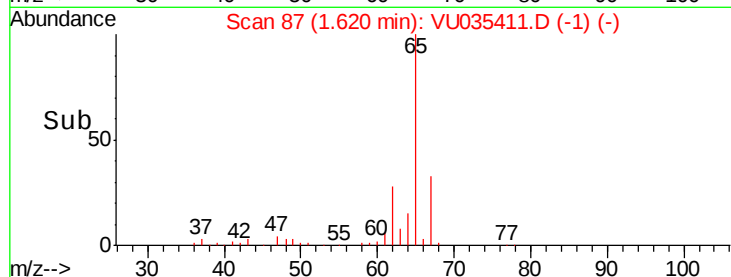
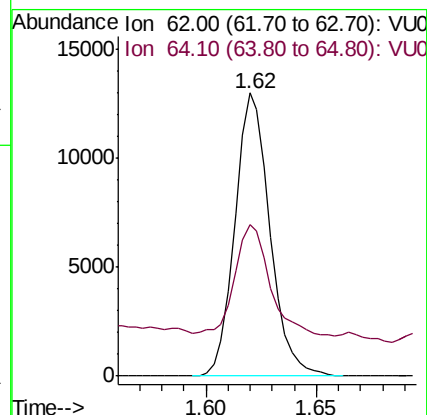
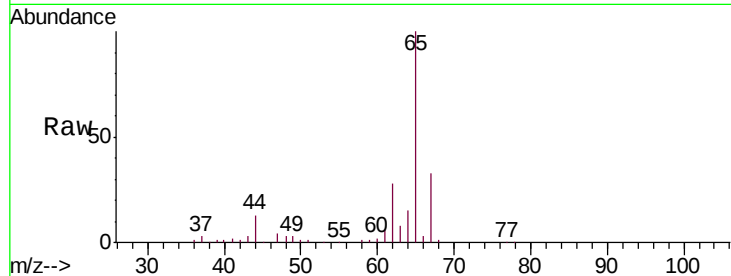
H0G42DL

Tgt Ion: 62 Resp: 14299

Ion Ratio Lower Upper

62 100

64 53.7 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 0.064 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035411.D

Acq: 23 Oct 2019 15:56

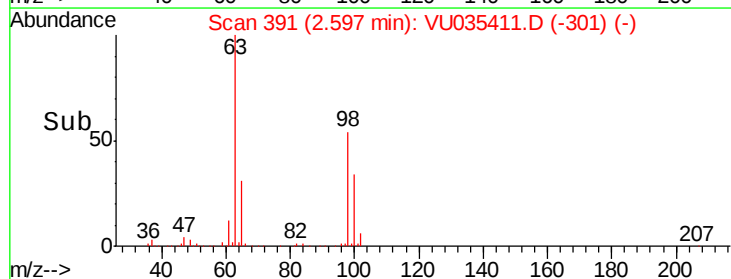
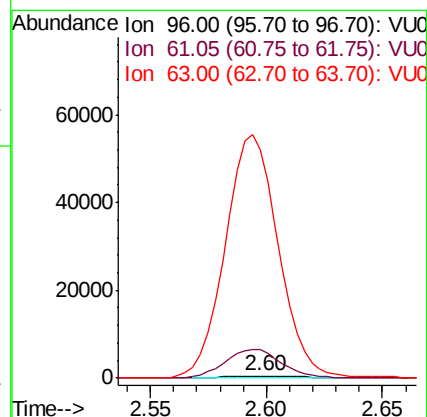
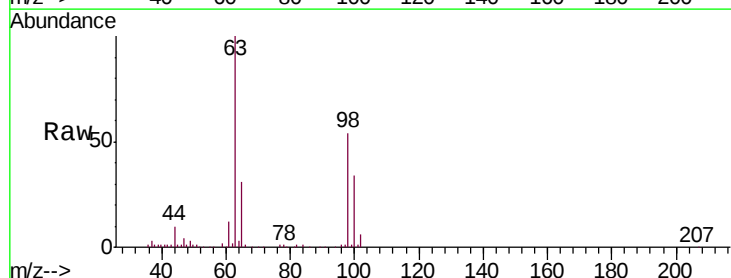
Tgt Ion: 96 Resp: 1025

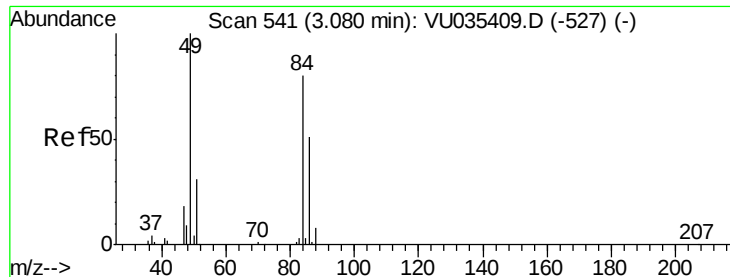
Ion Ratio Lower Upper

96 100

61 1256.3 120.6 224.0#

63 10191.4 86.8 161.2#

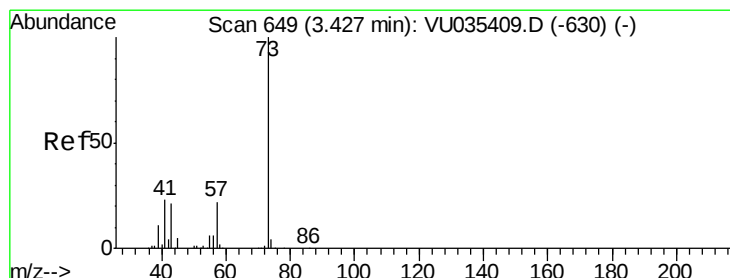
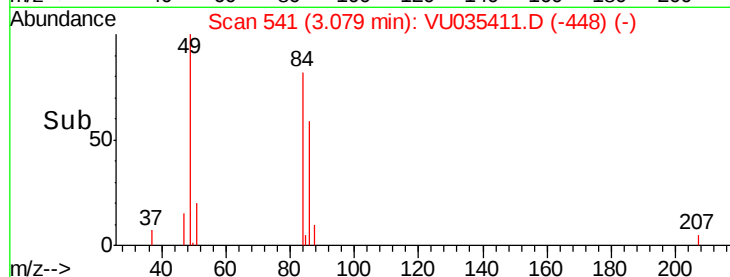
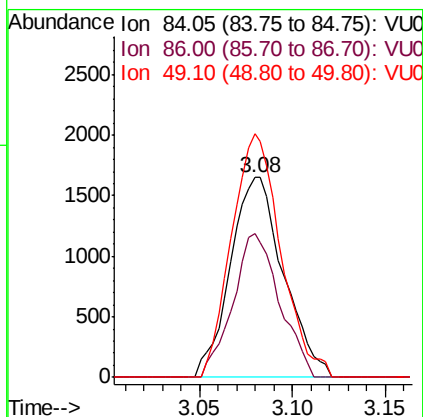
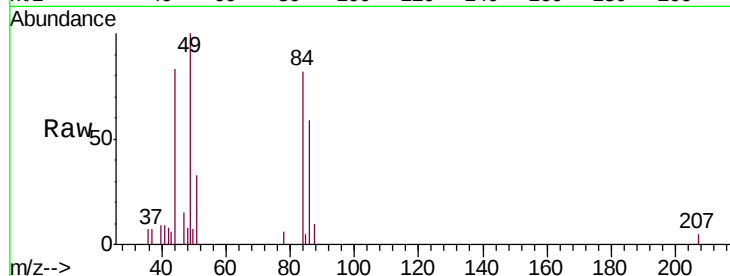




#16
Methylene chloride
Concen: 0.171 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU035411.D
Acq: 23 Oct 2019 15:56

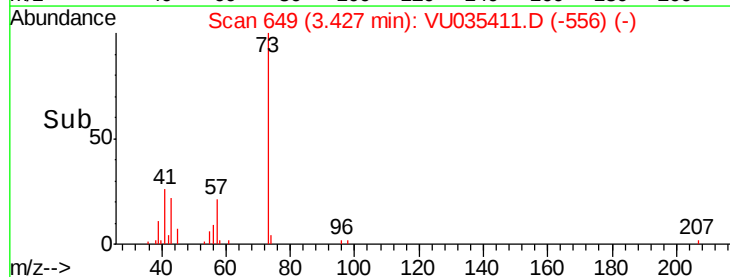
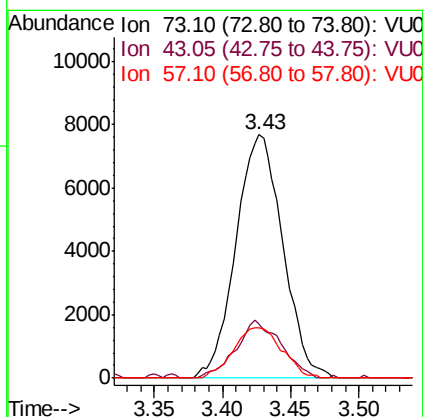
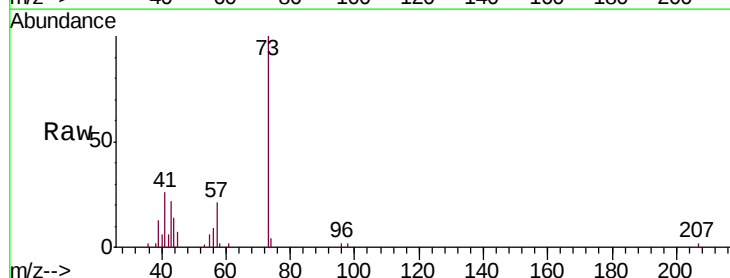
Instrument :
MSVOA_U
ClientSampled :
H0G42DL

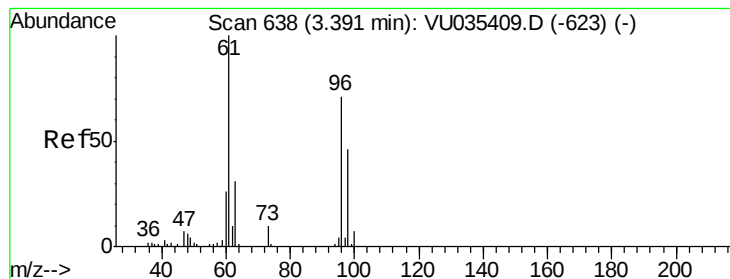
Tgt Ion: 84 Resp: 3284
Ion Ratio Lower Upper
84 100
86 72.2 45.4 84.2
49 130.6 86.8 161.2



#17
Methyl tert-butyl Ether
Concen: 0.425 ug/L
RT: 3.43 min Scan# 649
Delta R.T. -0.00 min
Lab File: VU035411.D
Acq: 23 Oct 2019 15:56

Tgt Ion: 73 Resp: 18316
Ion Ratio Lower Upper
73 100
43 22.7 16.0 24.0
57 21.6 17.4 26.2





#18

trans-1,2-Dichloroethene

Concen: 0.329 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU035411.D

Acq: 23 Oct 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

H0G42DL

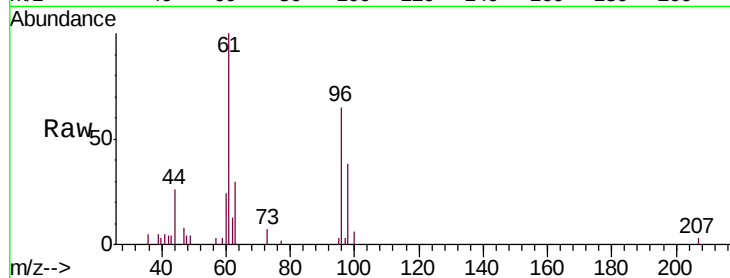
Tgt Ion: 96 Resp: 5684

Ion Ratio Lower Upper

96 100

61 153.4 93.0 172.6

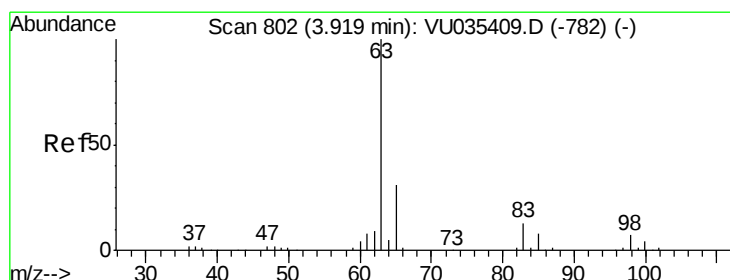
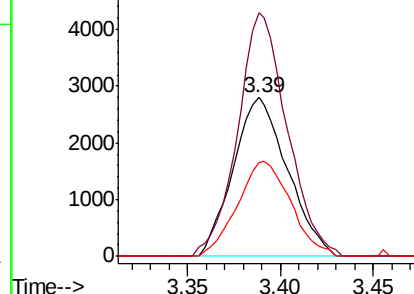
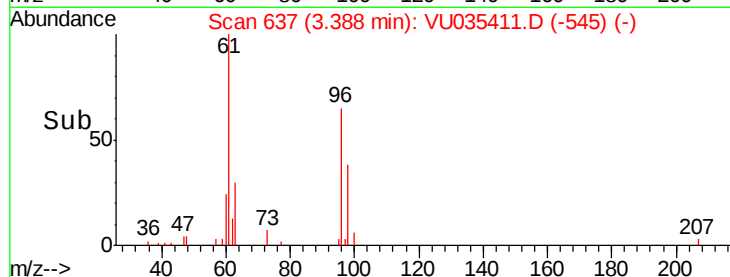
98 59.0 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035411.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035411.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035411.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 0.083 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU035411.D

Acq: 23 Oct 2019 15:56

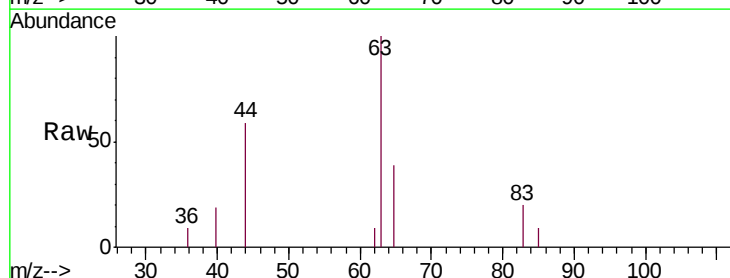
Tgt Ion: 63 Resp: 2580

Ion Ratio Lower Upper

63 100

65 38.5 22.4 41.6

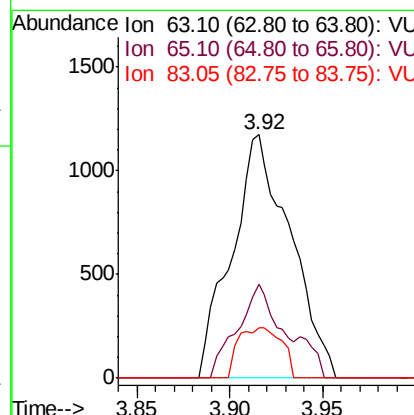
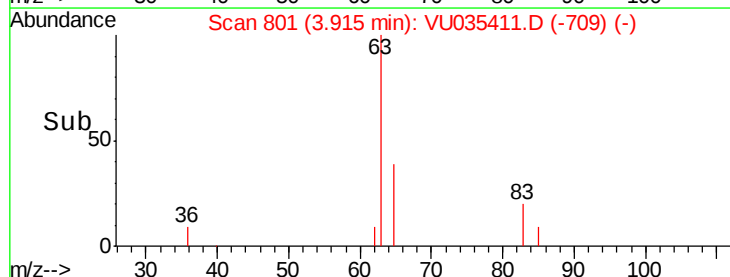
83 20.4 9.3 17.3#

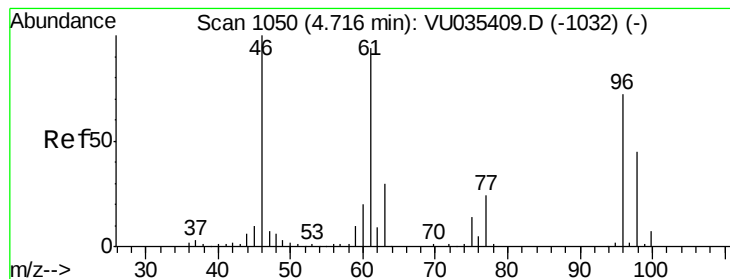


Abundance Ion 63.10 (62.80 to 63.80): VU035411.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035411.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035411.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 9.041 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035411.D

Acq: 23 Oct 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

H0G42DL

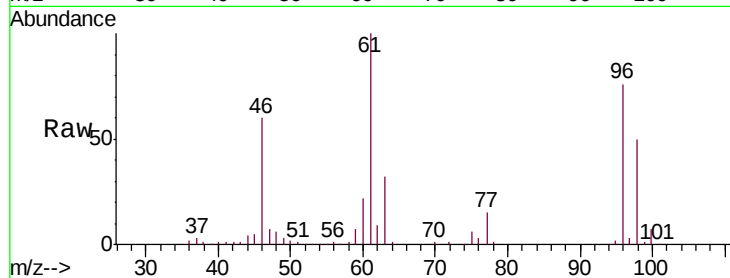
Tgt Ion: 96 Resp: 172521

Ion Ratio Lower Upper

96 100

61 131.1 89.7 166.5

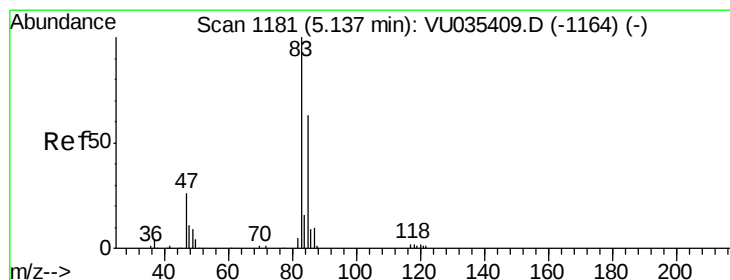
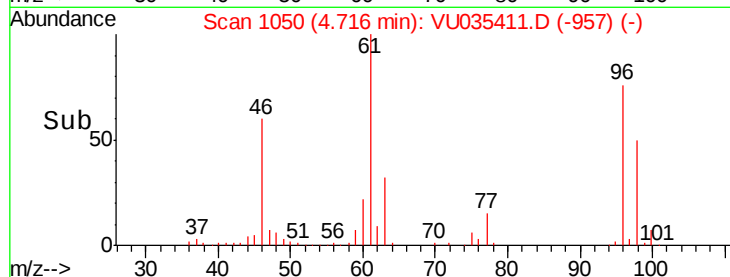
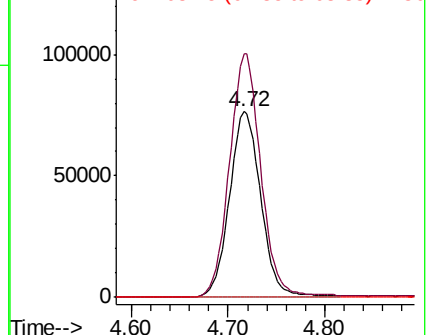
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035411.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035411.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035411.D (-957) (-)



#25

Chloroform

Concen: 0.341 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU035411.D

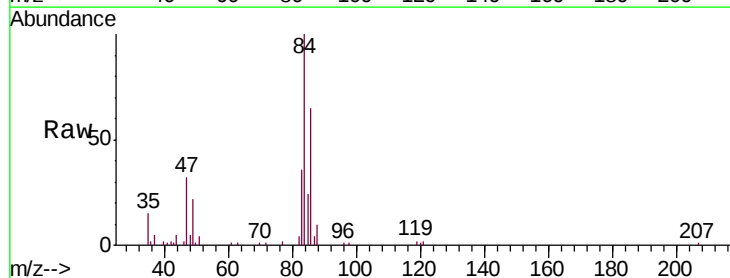
Acq: 23 Oct 2019 15:56

Tgt Ion: 83 Resp: 11696

Ion Ratio Lower Upper

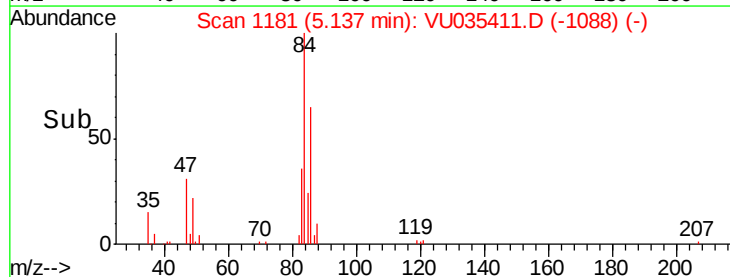
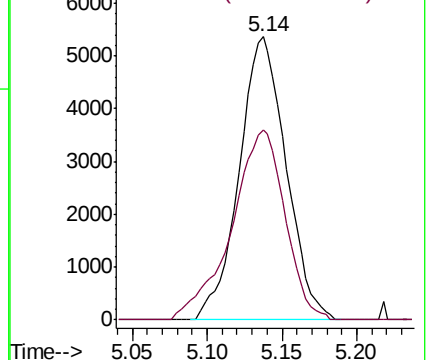
83 100

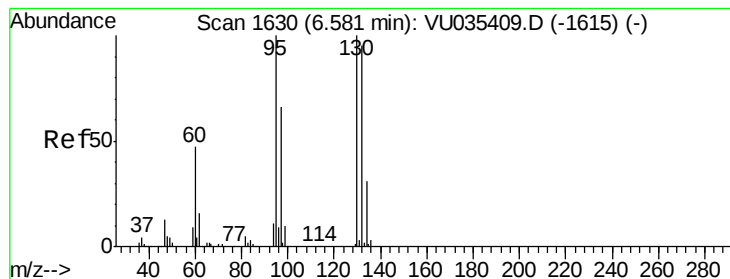
85 67.3 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU035411.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035411.D (-1088) (-)





#34

Trichloroethene

Concen: 1.952 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035411.D

Acq: 23 Oct 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

H0G42DL

Tgt Ion: 95 Resp: 38036

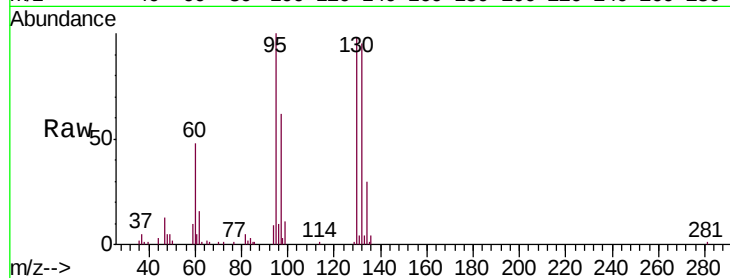
Ion Ratio Lower Upper

95 100

97 62.1 46.6 86.6

132 94.7 68.7 127.7

130 97.8 73.9 137.3

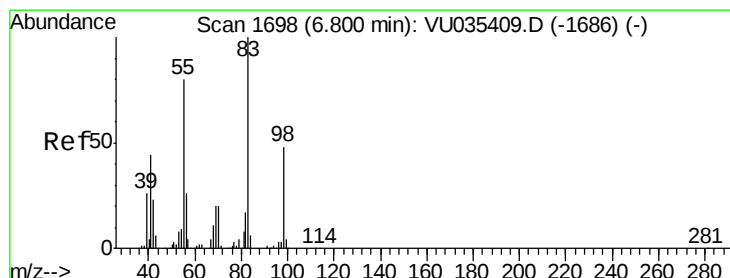
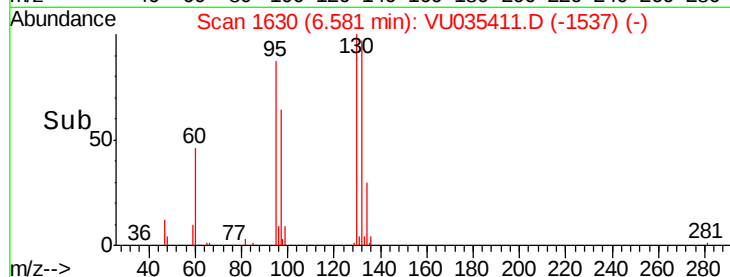
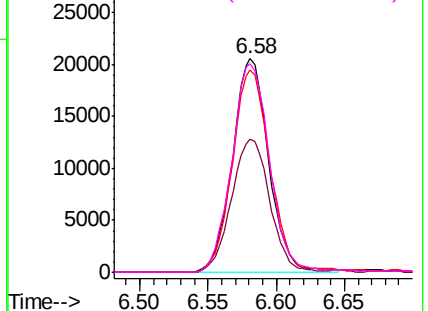


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.639 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035411.D

Acq: 23 Oct 2019 15:56

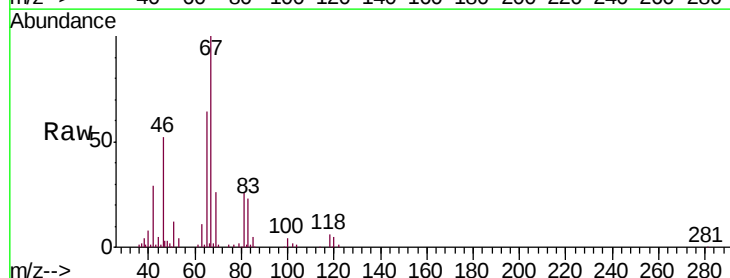
Tgt Ion: 83 Resp: 20806

Ion Ratio Lower Upper

83 100

55 0.1 60.4 90.6#

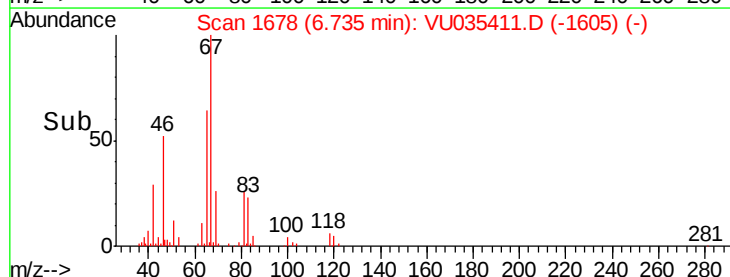
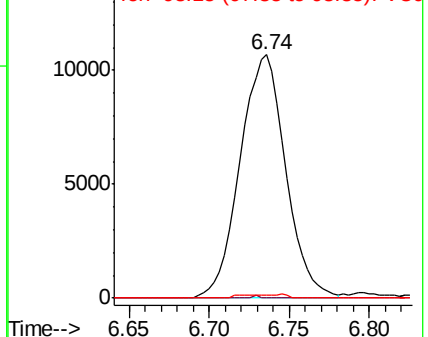
98 0.6 39.5 59.3#

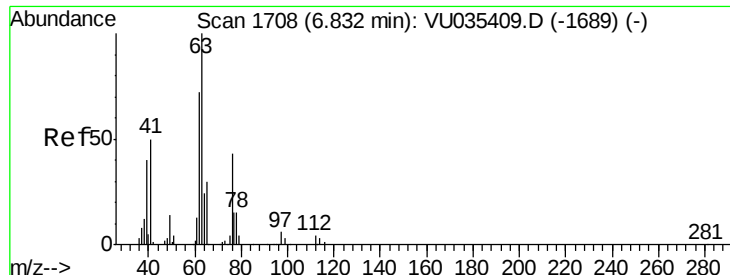


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

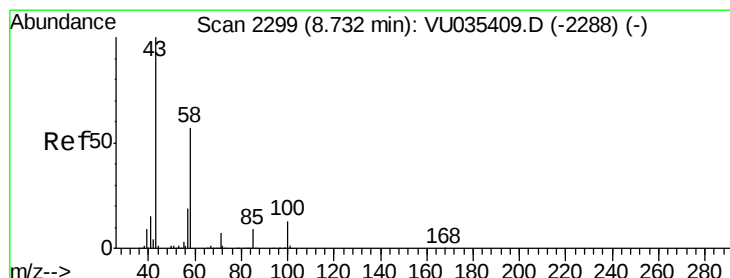
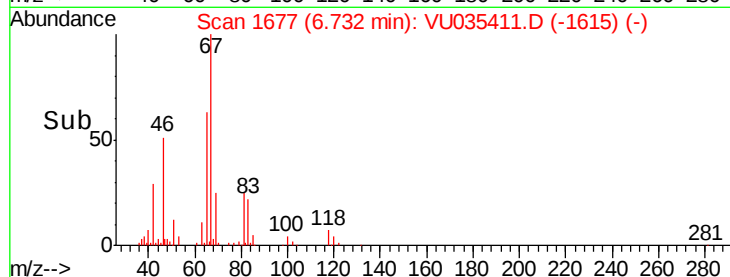
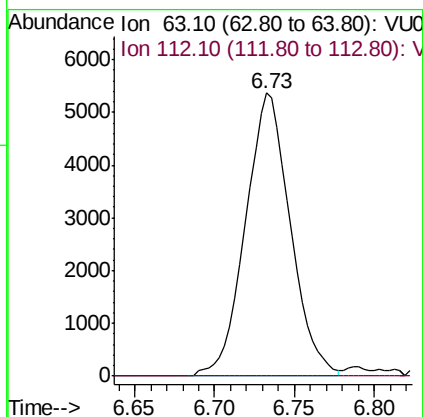
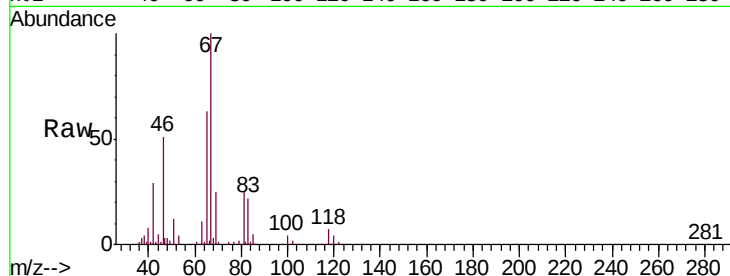




#37
 1,2-Dichloropropane
 Concen: 0.561 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU035411.D
 Acq: 23 Oct 2019 15:56

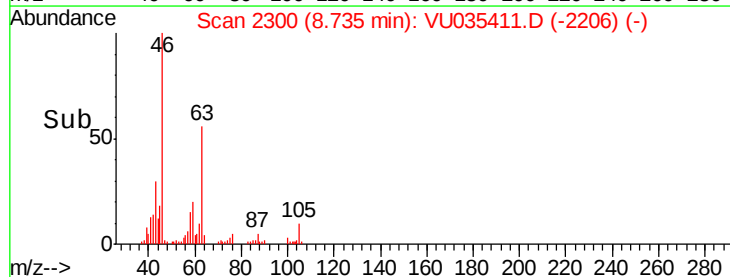
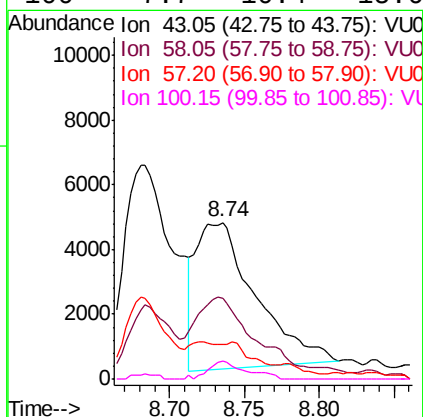
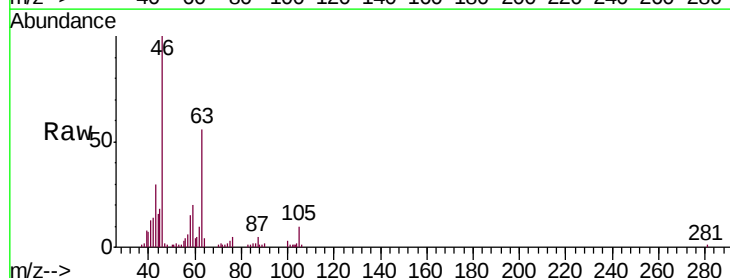
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G42DL

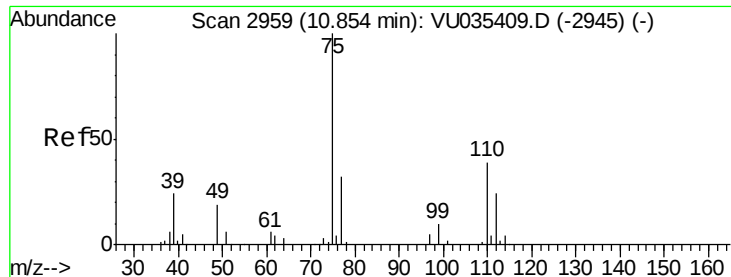
Tgt Ion: 63 Resp: 10314
 Ion Ratio Lower Upper
 63 100
 112 0.6 3.7 5.5#



#48
 2-Hexanone
 Concen: 1.441 ug/L
 RT: 8.74 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VU035411.D
 Acq: 23 Oct 2019 15:56

Tgt Ion: 43 Resp: 12551
 Ion Ratio Lower Upper
 43 100
 58 48.6 45.1 67.7
 57 3.3 16.0 24.0#
 100 7.7 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.785 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.99 min

Lab File: VU035411.D

Acq: 23 Oct 2019 15:56

Instrument :

MSVOA_U

ClientSampleId :

H0G42DL

Tgt Ion: 75 Resp: 10059

Ion Ratio Lower Upper

75 100

77 37.7 26.2 39.2

