

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035420.D
 Acq On : 23 Oct 2019 20:29
 Operator : JC/SP
 Sample : K5488-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G32

Quant Time: Oct 24 06:45:09 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	215333	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	224770	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	70007	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	57185	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.93	69	59604	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.59	63	80483	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.71	46	233918	61.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.98%
24) Chloroform-d	5.11	84	127227	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.75	65	75446	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.77	84	241116	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.74	67	89068	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.93	98	196396	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
43) trans-1,3-Dichloropropene-	8.22	79	29931	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.70	63	168189	48.15	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.30%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	80186	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	65284	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

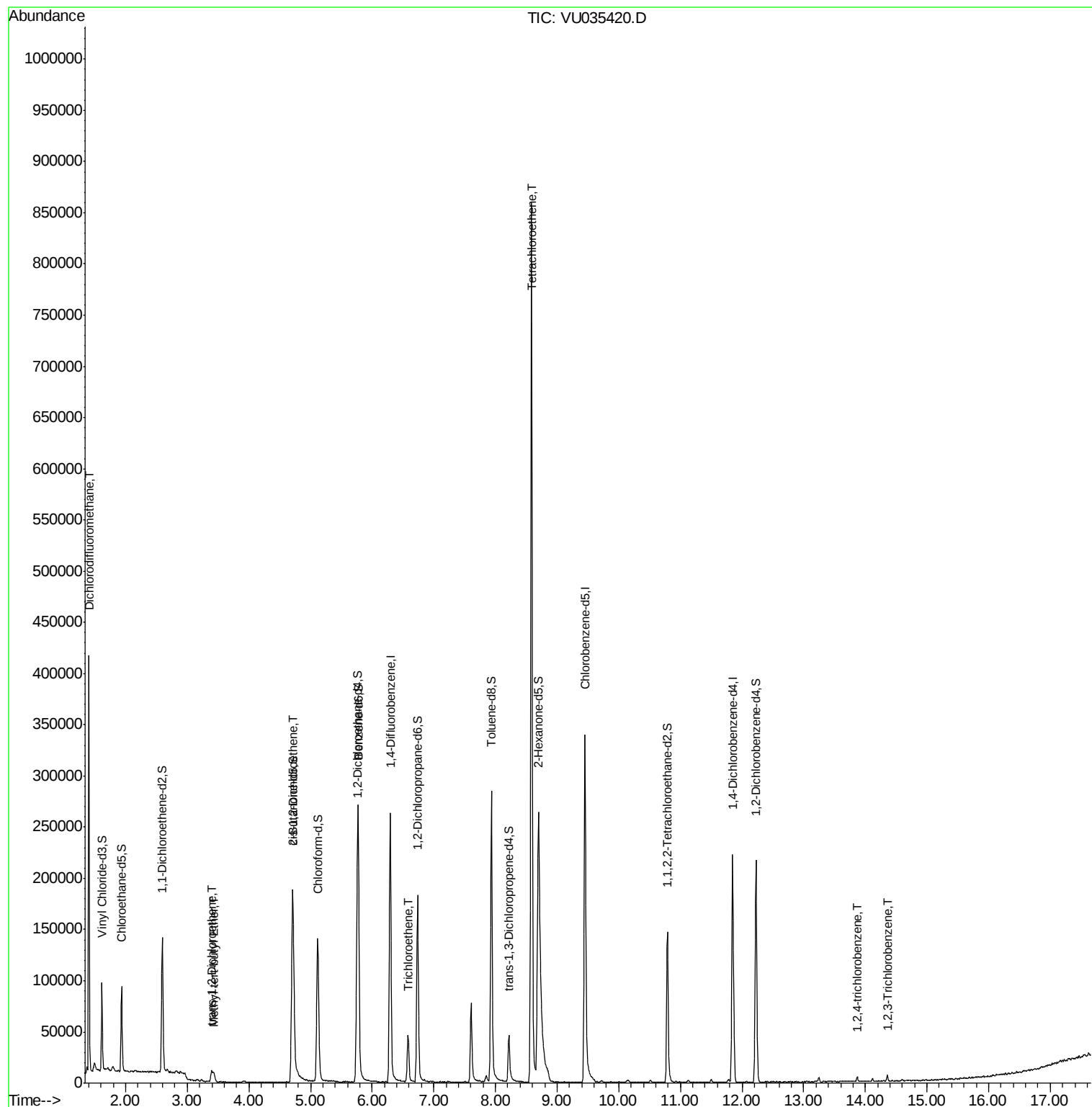
					Ovalue
2) Dichlorodifluoromethane	1.40	85	5216	0.285 ug/L	93
17) Methyl tert-butyl Ether	3.43	73	9554	0.257 ug/L #	95
18) trans-1,2-Dichloroethene	3.39	96	4157	0.278 ug/L	91
22) cis-1,2-Dichloroethene	4.72	96	39101	2.370 ug/L	96
34) Trichloroethene	6.58	95	15769	0.887 ug/L	93
47) Tetrachloroethene	8.58	164	195704	13.212 ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	1831	0.186 ug/L	96
70) 1,2,3-Trichlorobenzene	14.36	180	2016	0.219 ug/L	99

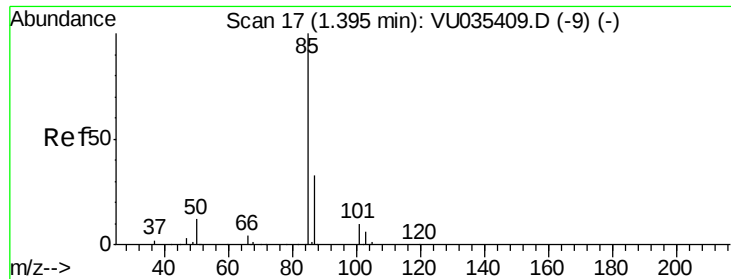
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.285 ug/L

RT: 1.40 min Scan# 20

Delta R.T. 0.01 min

Lab File: VU035420.D

Acq: 23 Oct 2019 20:29

Instrument :

MSVOA_U

ClientSampleId :

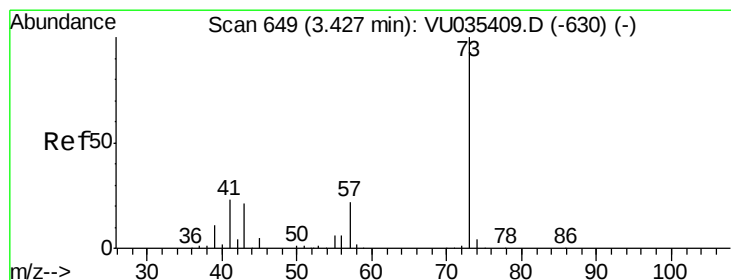
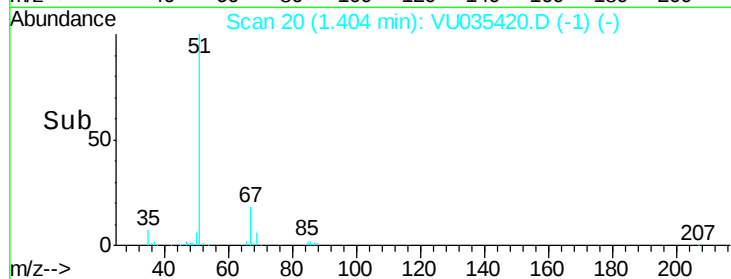
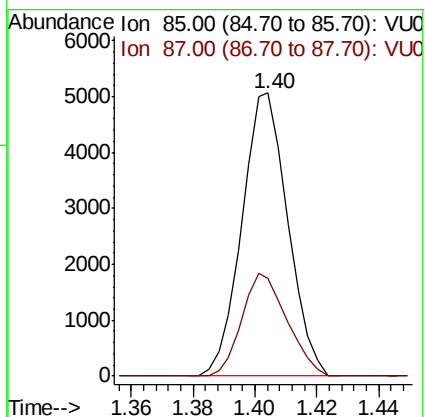
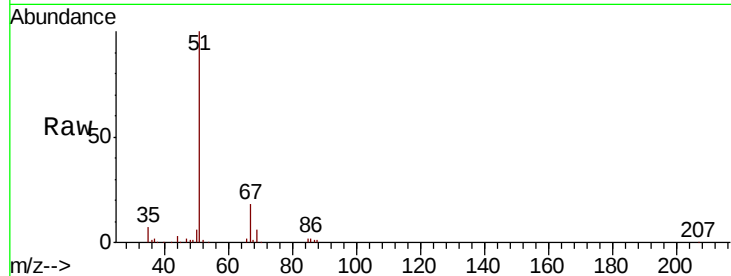
H0G32

Tot Ion: 85 Resp: 5216

Ion Ratio Lower Upper

85 100

87 35.8 25.5 38.3



#17

Methyl tert-butyl Ether

Concen: 0.257 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035420.D

Acq: 23 Oct 2019 20:29

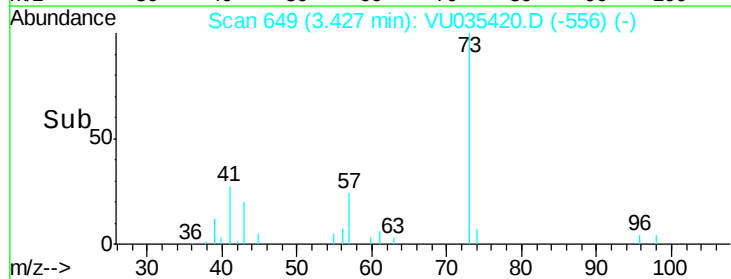
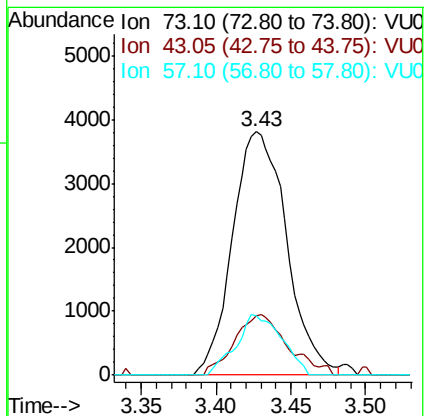
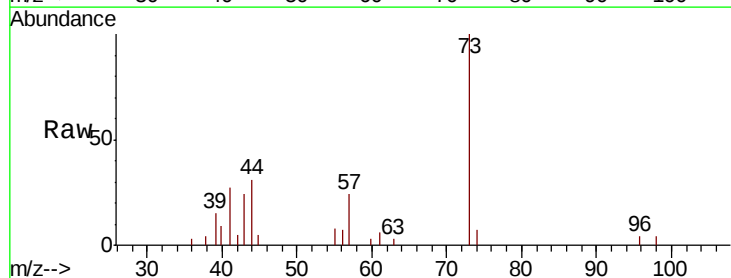
Tgt Ion: 73 Resp: 9554

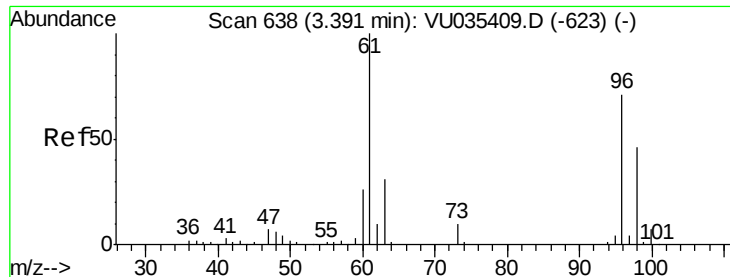
Ion Ratio Lower Upper

73 100

43 24.3 16.0 24.0#

57 21.0 17.4 26.2

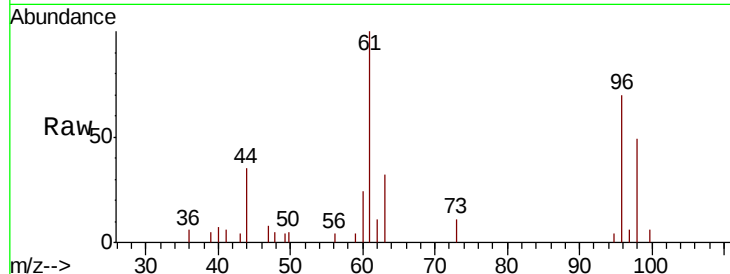




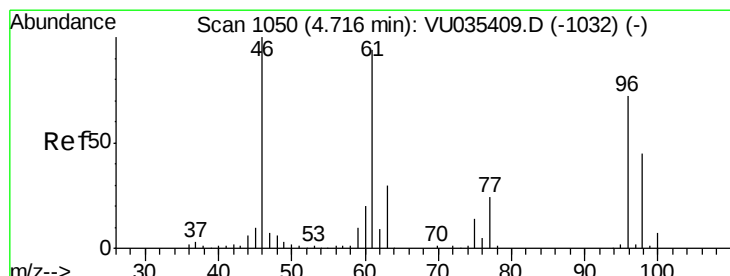
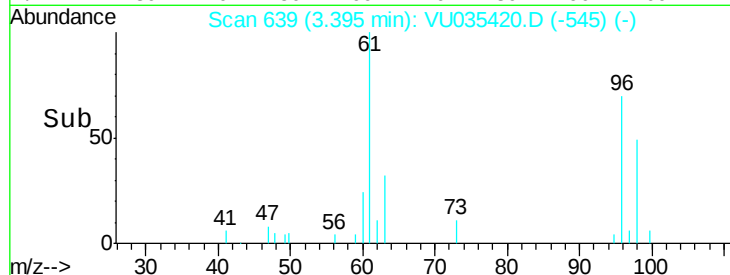
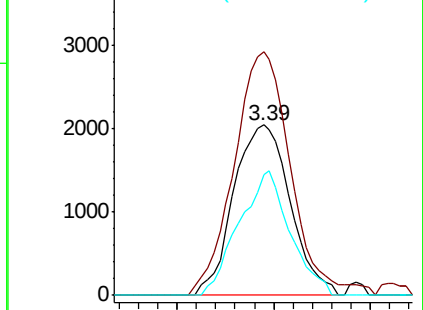
#18
trans-1,2-Dichloroethene
Concen: 0.278 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Instrument :
MSVOA_U
ClientSampleId :
H0G32

Tot Ion: 96 Resp: 4157
Ion Ratio Lower Upper
96 100
61 142.7 93.0 172.6
98 70.6 43.7 81.1

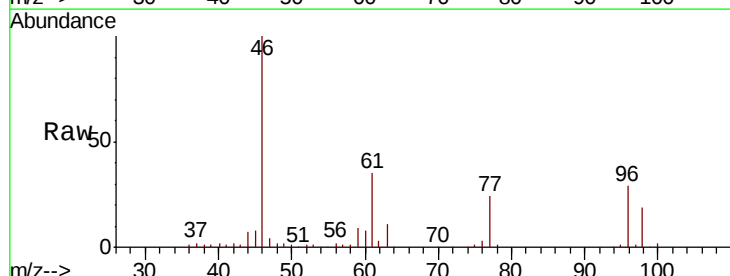


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

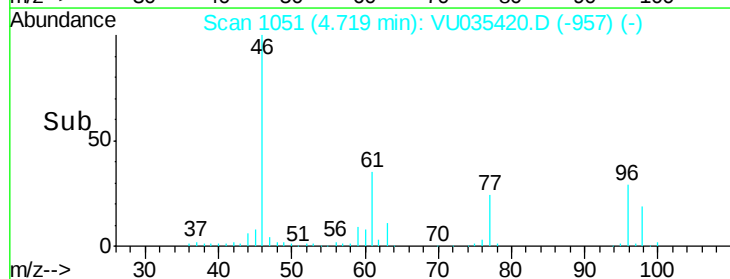
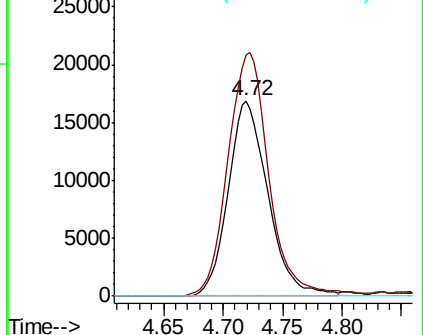


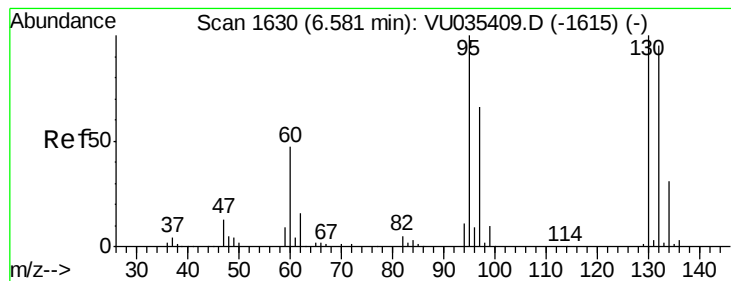
#22
cis-1,2-Dichloroethene
Concen: 2.370 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU035420.D
Acq: 23 Oct 2019 20:29

Tgt Ion: 96 Resp: 39101
Ion Ratio Lower Upper
96 100
61 123.3 89.7 166.5
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





#34

Trichloroethene

Concen: 0.887 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035420.D

Acq: 23 Oct 2019 20:29

Instrument :

MSVOA_U

ClientSampleId :

H0G32

Tot Ion: 95 Resp: 15769

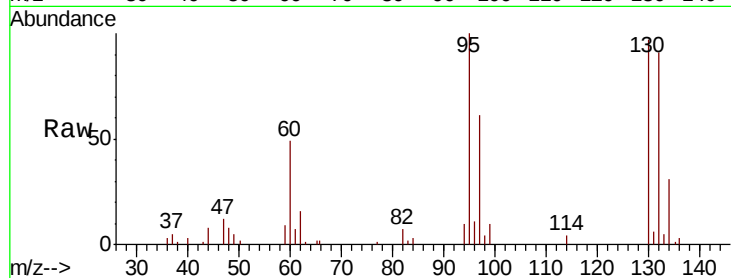
Ion Ratio Lower Upper

95 100

97 60.8 46.6 86.6

132 91.1 68.7 127.7

130 97.4 73.9 137.3

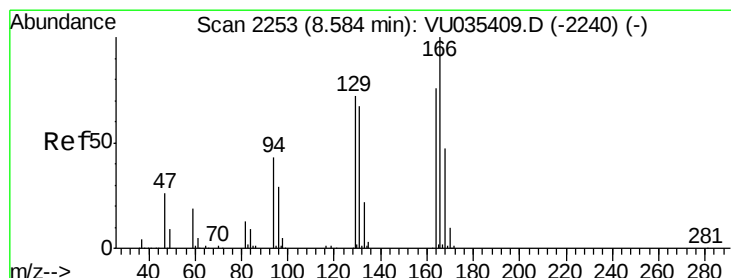
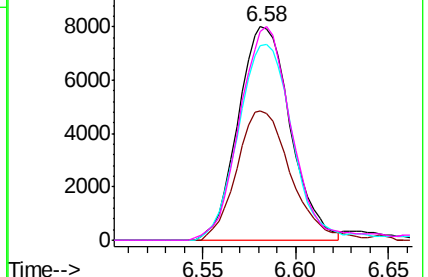
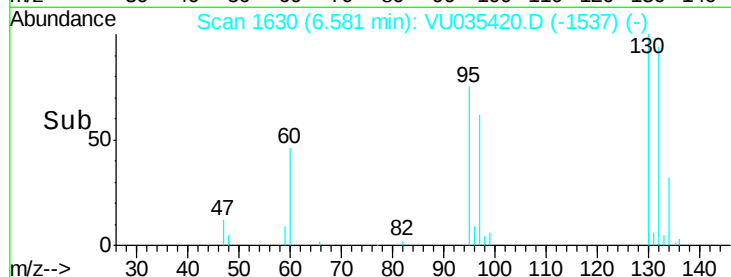


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 13.212 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035420.D

Acq: 23 Oct 2019 20:29

Tgt Ion: 164 Resp: 195704

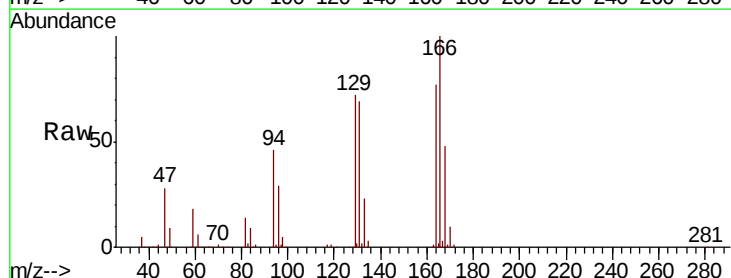
Ion Ratio Lower Upper

164 100

129 93.7 65.2 121.0

131 90.6 62.9 116.9

166 130.4 91.5 169.9

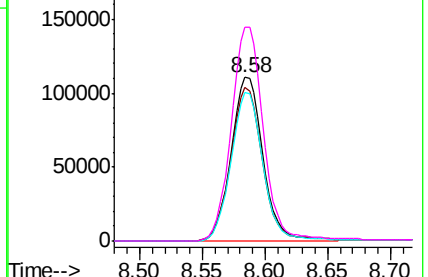
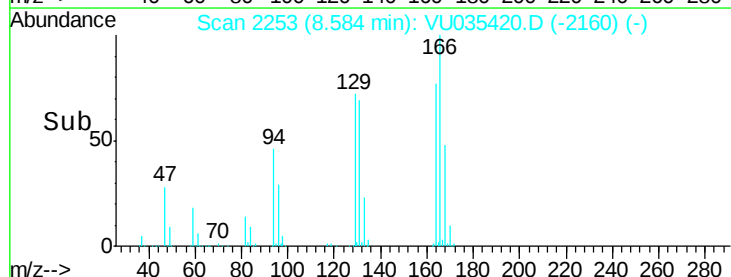


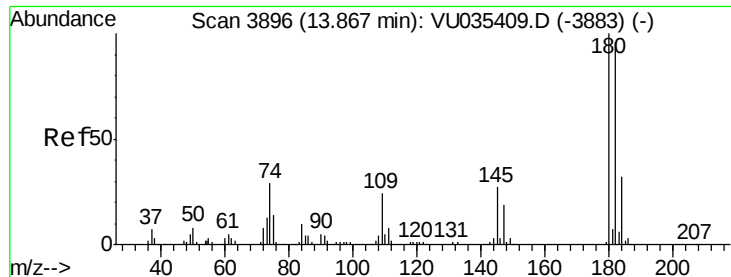
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#68

1,2,4-trichlorobenzene

Concen: 0.186 ug/L

RT: 13.87 min Scan# 3896

Delta R.T. 0.00 min

Lab File: VU035420.D

Acq: 23 Oct 2019 20:29

Instrument :

MSVOA_U

ClientSampleId :

H0G32

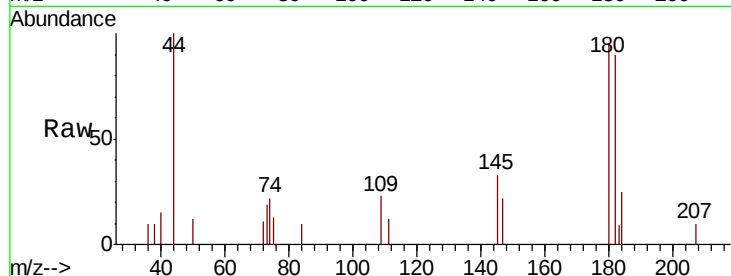
Tot Ion:180 Resp: 1831

Ion Ratio Lower Upper

180 100

182 90.3 75.9 113.9

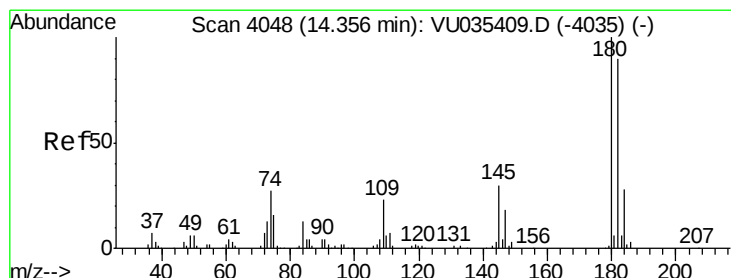
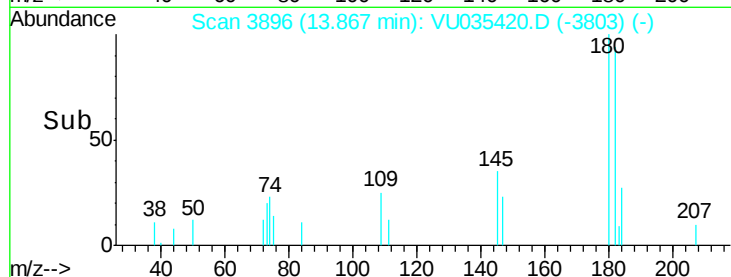
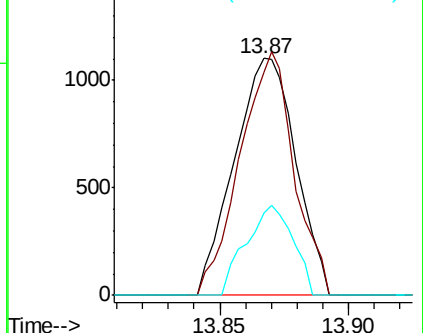
145 29.1 23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70

1,2,3-Trichlorobenzene

Concen: 0.219 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. 0.00 min

Lab File: VU035420.D

Acq: 23 Oct 2019 20:29

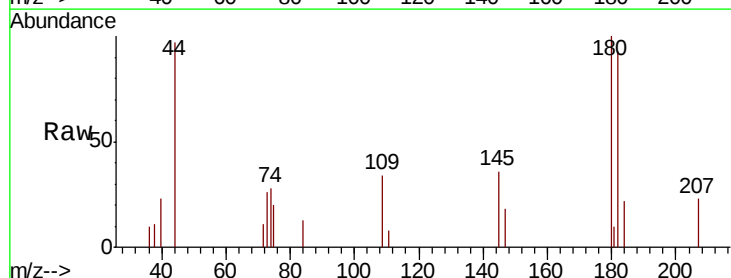
Tgt Ion:180 Resp: 2016

Ion Ratio Lower Upper

180 100

182 94.6 76.0 114.0

145 32.4 24.6 37.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

