

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035421.D
 Acq On : 23 Oct 2019 20:54
 Operator : JC/SP
 Sample : K5488-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G33

Quant Time: Oct 24 06:49:08 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	223781	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	233950	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	83800	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	56269	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.93	69	59096	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.80%
11) 1,1-Dichloroethene-d2	2.59	63	81478	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	4.71	46	236083	60.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.42%
24) Chloroform-d	5.11	84	130330	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.75	65	75501	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.77	84	240577	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.74	67	87585	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.93	98	198465	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
43) trans-1,3-Dichloropropene-	8.22	79	31225	3.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.80%
46) 2-Hexanone-d5	8.68	63	170769	46.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.94%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	82415	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	72873	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

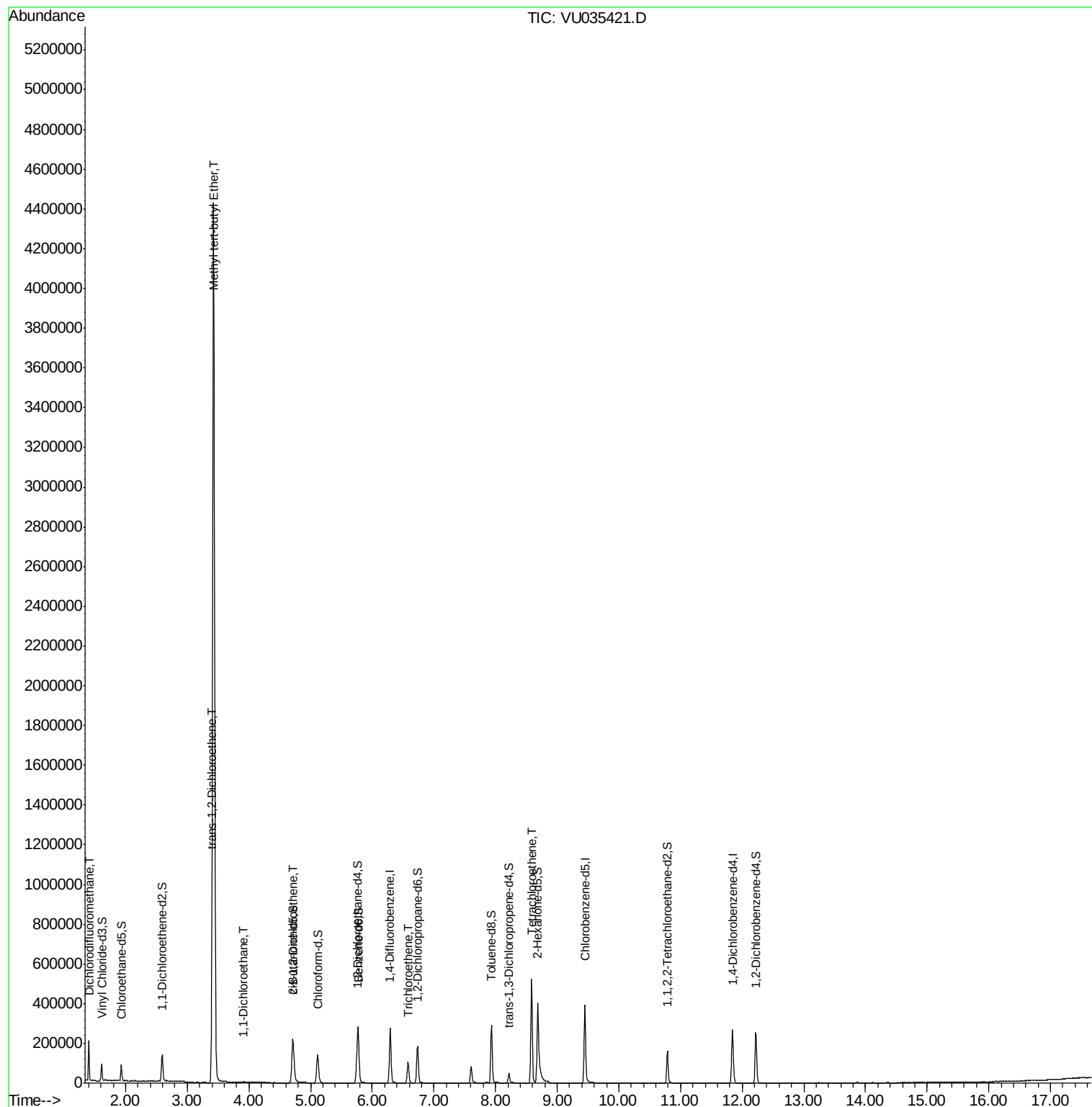
					Ovalue
2) Dichlorodifluoromethane	1.40	85	2915	0.153 ug/L	99
17) Methyl tert-butyl Ether	3.43	73	4915318	127.031 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	1418	0.091 ug/L	78
19) 1,1-Dichloroethane	3.92	63	4399	0.157 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	45375	2.646 ug/L	99
34) Trichloroethene	6.58	95	37504	2.027 ug/L	93
47) Tetrachloroethene	8.58	164	117723	7.636 ug/L	99

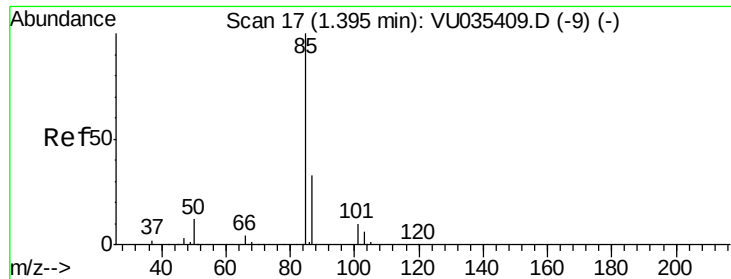
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.153 ug/L

RT: 1.40 min Scan# 19

Delta R.T. 0.01 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

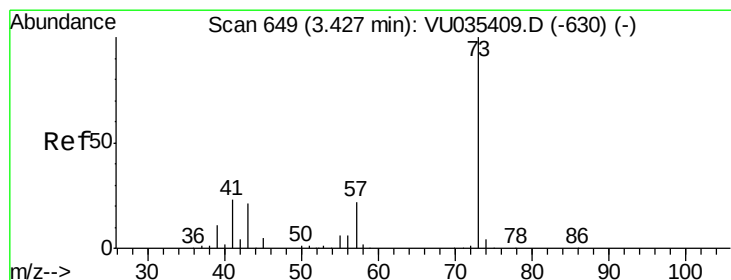
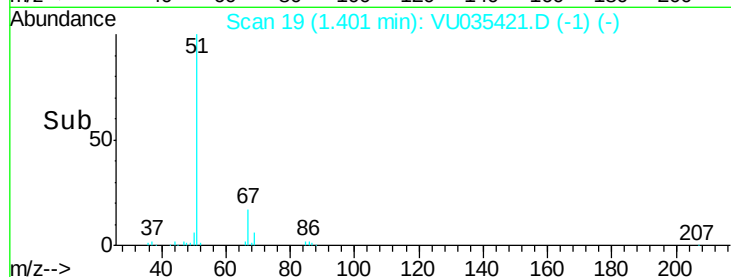
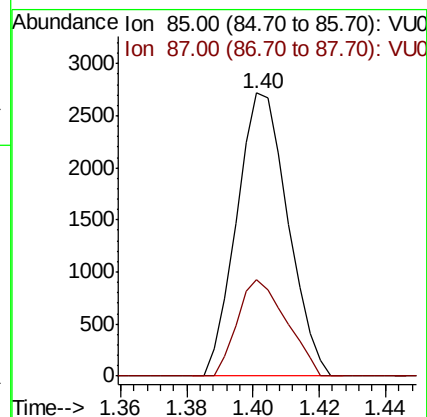
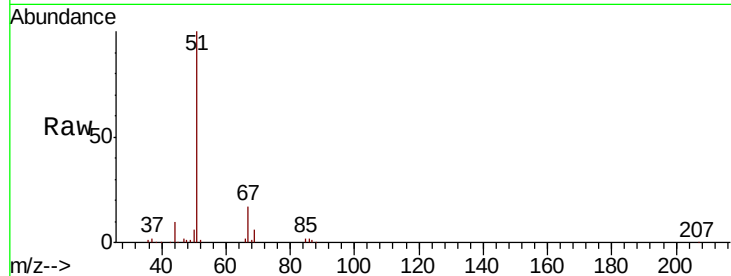
H0G33

Tot Ion: 85 Resp: 2915

Ion Ratio Lower Upper

85 100

87 32.5 25.5 38.3



#17

Methyl tert-butyl Ether

Concen: 127.031 ug/L

RT: 3.43 min Scan# 649

Delta R.T. -0.00 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

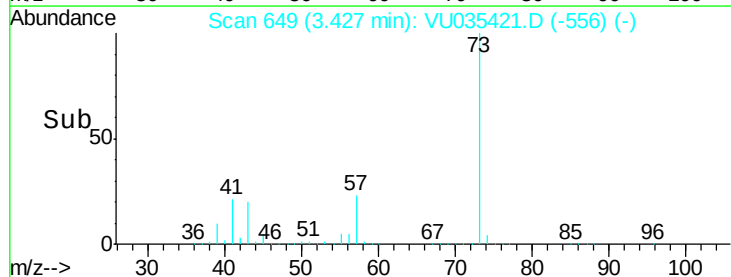
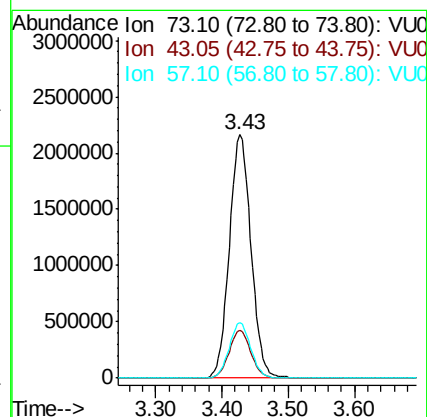
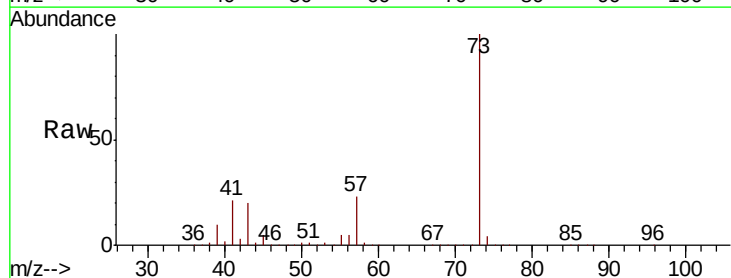
Tgt Ion: 73 Resp: 4915318

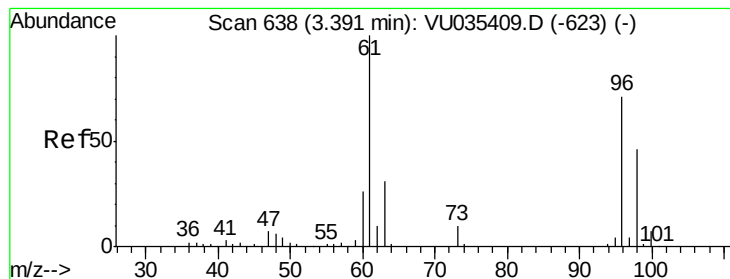
Ion Ratio Lower Upper

73 100

43 19.7 16.0 24.0

57 22.6 17.4 26.2





#18

trans-1,2-Dichloroethene

Concen: 0.091 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

H0G33

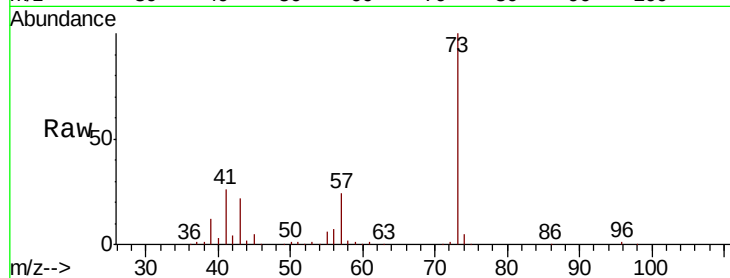
Tot Ion: 96 Resp: 1418

Ion Ratio Lower Upper

96 100

61 163.4 93.0 172.6

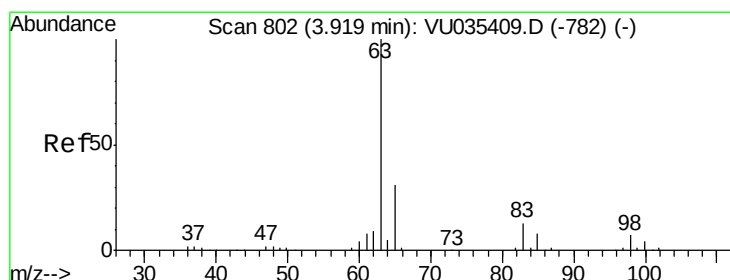
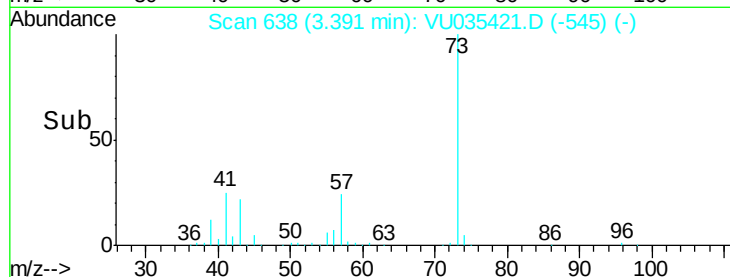
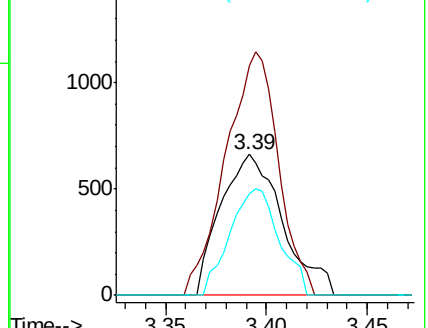
98 71.9 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035421.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035421.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035421.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 0.157 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

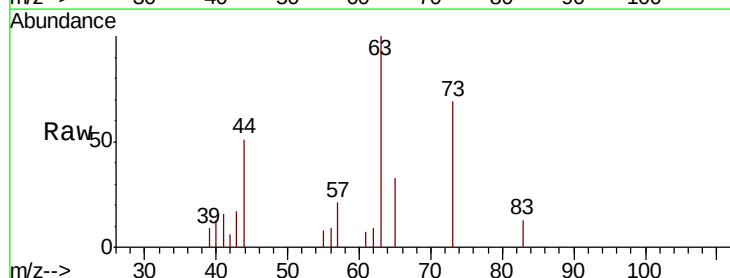
Tgt Ion: 63 Resp: 4399

Ion Ratio Lower Upper

63 100

65 32.9 22.4 41.6

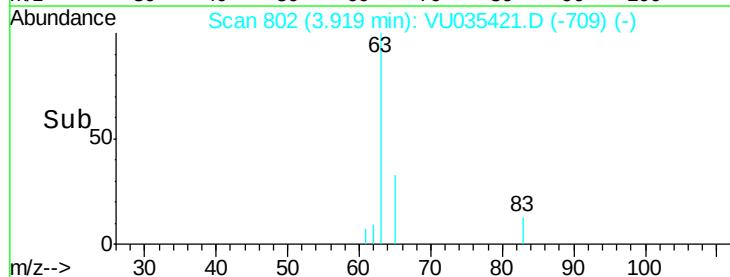
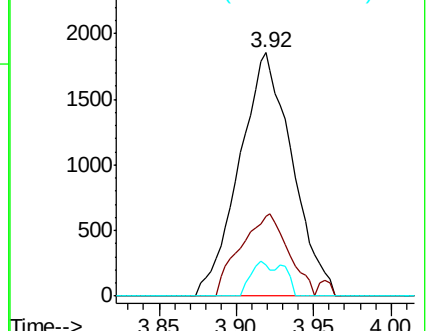
83 12.8 9.3 17.3

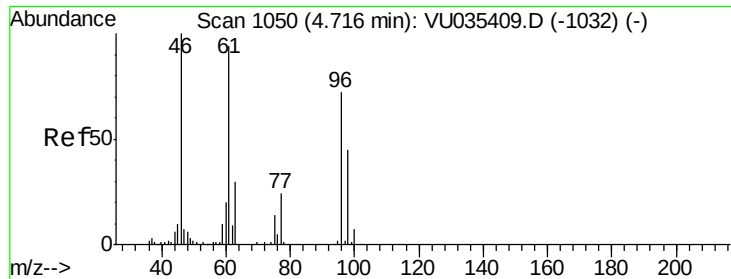


Abundance Ion 63.10 (62.80 to 63.80): VU035421.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035421.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035421.D (-709) (-)

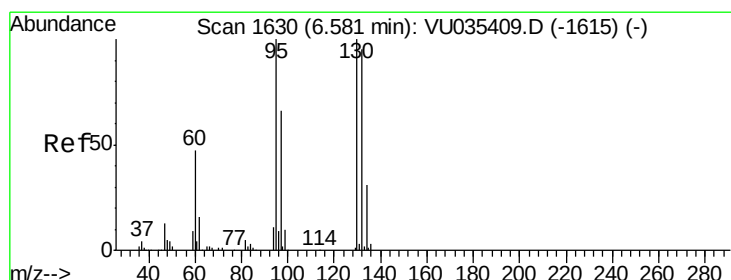
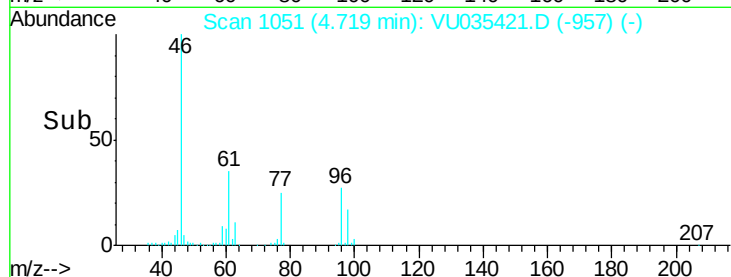
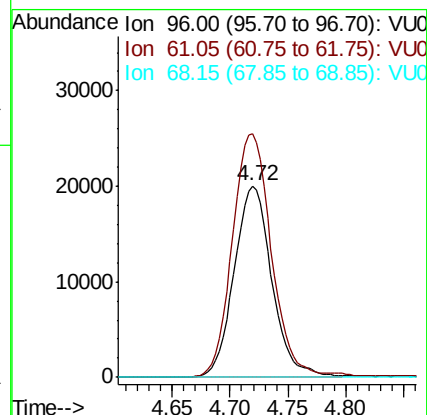
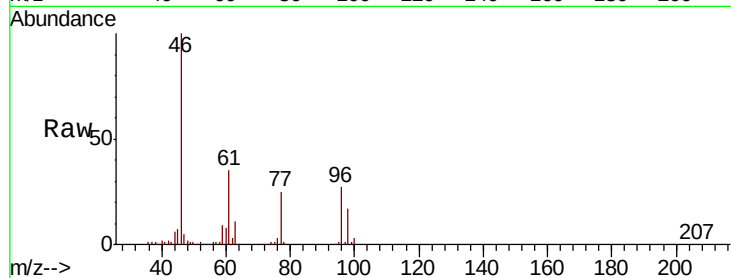




#22
 cis-1,2-Dichloroethene
 Concen: 2.646 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035421.D
 Acq: 23 Oct 2019 20:54

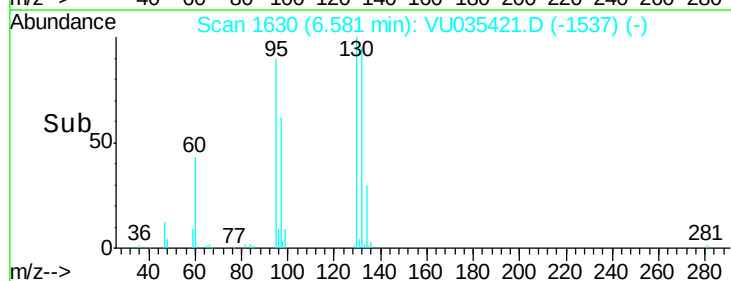
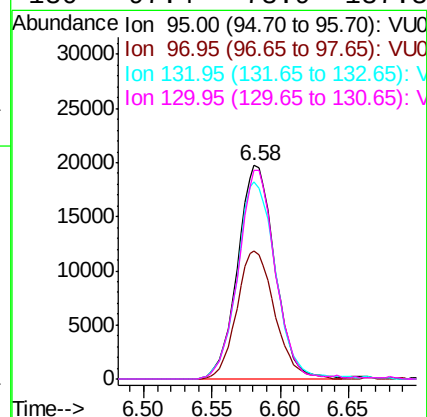
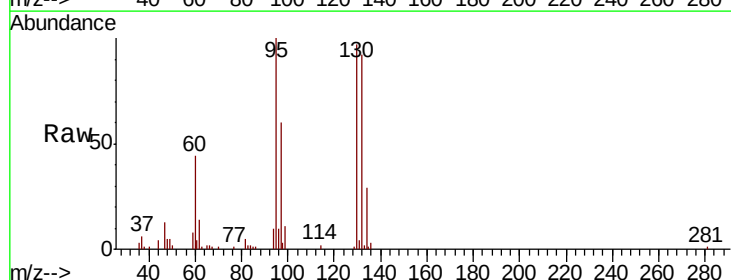
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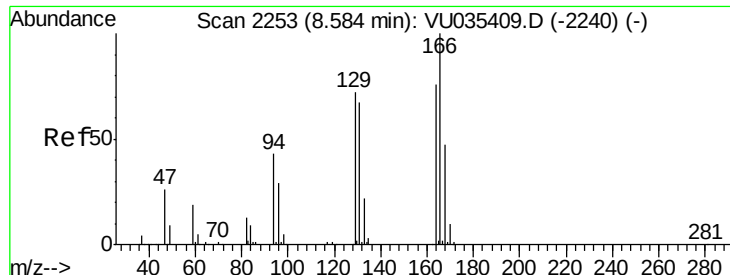
Tot Ion: 96 Resp: 45375
 Ion Ratio Lower Upper
 96 100
 61 127.4 89.7 166.5
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 2.027 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU035421.D
 Acq: 23 Oct 2019 20:54

Tgt Ion: 95 Resp: 37504
 Ion Ratio Lower Upper
 95 100
 97 60.2 46.6 86.6
 132 92.1 68.7 127.7
 130 97.4 73.9 137.3





#47

Tetrachloroethene

Concen: 7.636 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035421.D

Acq: 23 Oct 2019 20:54

Instrument :

MSVOA_U

ClientSampleId :

H0G33

Tot Ion:164 Resp: 117723

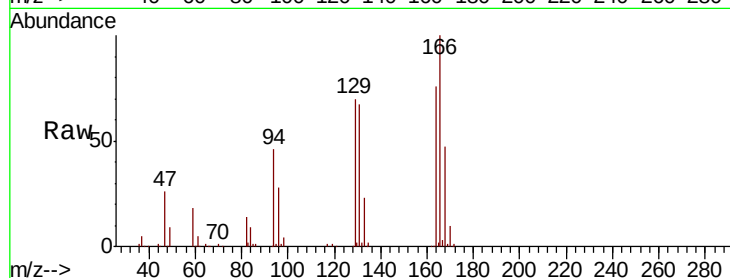
Ion Ratio Lower Upper

164 100

129 92.1 65.2 121.0

131 88.5 62.9 116.9

166 131.4 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

