

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102319\
 Data File : VU035434.D
 Acq On : 24 Oct 2019 03:55
 Operator : JC/SP
 Sample : K5488-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G08

Quant Time: Oct 24 08:09:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 24 07:51:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	213665	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	216594	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	66952	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	55601	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.93	69	56736	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.59	63	78704	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.71	46	253908	67.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	135.64%#
24) Chloroform-d	5.11	84	128115	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.75	65	74251	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.77	84	230981	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.74	67	85837	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.93	98	188255	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	8.21	79	29576	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.69	63	164382	48.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.68%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	81800	5.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	60383	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

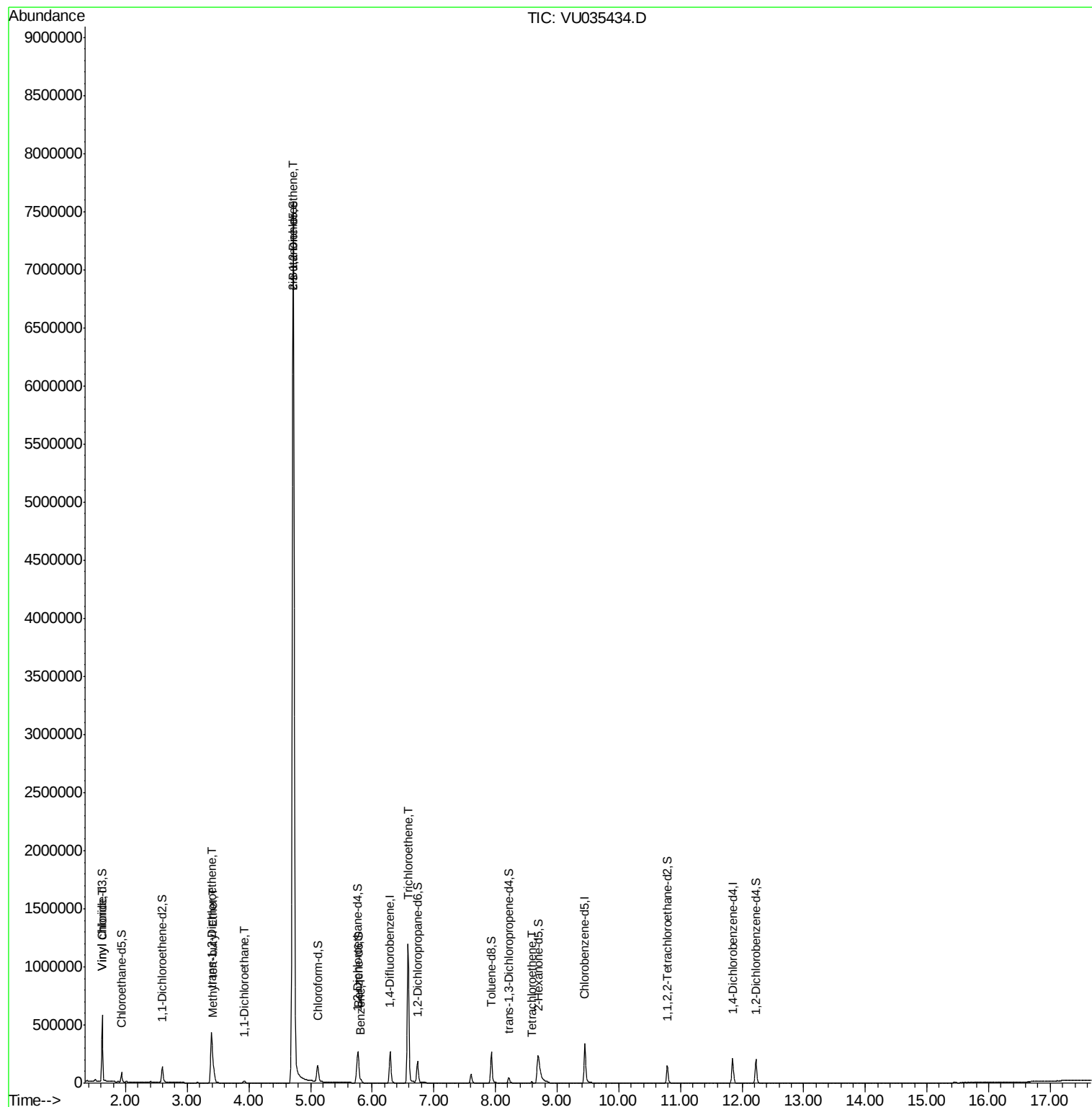
					Ovalue
5) Vinyl chloride	1.62	62	321731	17.367	ug/L 99
17) Methyl tert-butyl Ether	3.43	73	127888	3.462	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	178669	12.061	ug/L 93
19) 1,1-Dichloroethane	3.92	63	18706	0.698	ug/L 93
22) cis-1,2-Dichloroethene	4.72	96	3913750	239.027	ug/L 96
33) Benzene	5.82	78	20615	0.323	ug/L 100
34) Trichloroethene	6.58	95	410447	23.956	ug/L 97
47) Tetrachloroethene	8.58	164	2555	0.179	ug/L 90

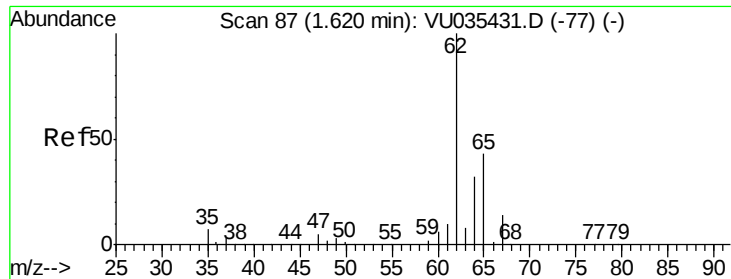
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 24 07:51:06 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 17.367 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035434.D

Acq: 24 Oct 2019 03:55

Instrument :

MSVOA_U

ClientSampleId :

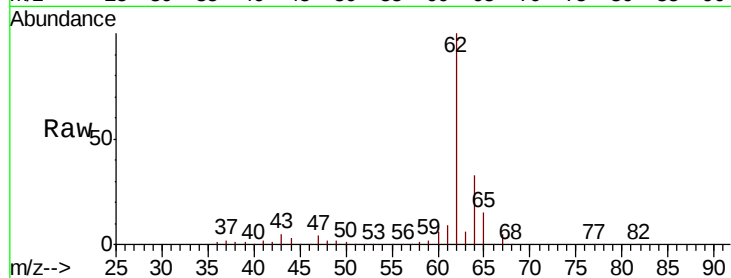
H0G08

Tot Ion: 62 Resp: 321731

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

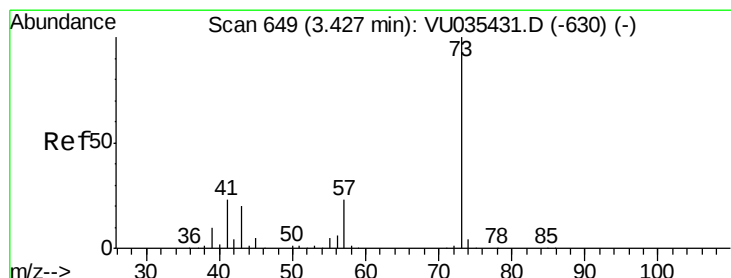
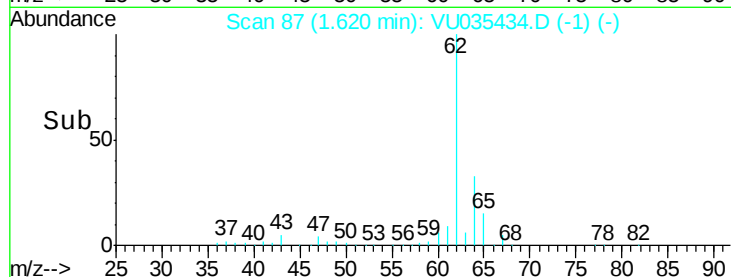
300000

200000

100000

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 3.462 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035434.D

Acq: 24 Oct 2019 03:55

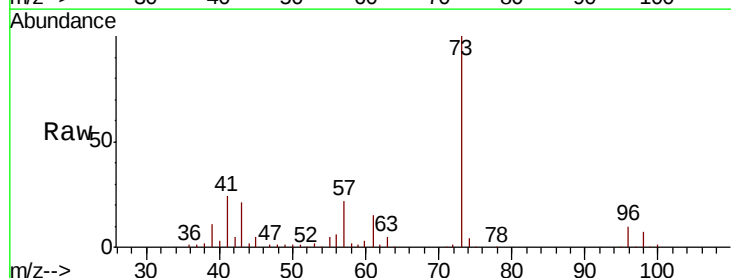
Tgt Ion: 73 Resp: 127888

Ion Ratio Lower Upper

73 100

43 21.2 16.0 24.0

57 22.1 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0

3.43

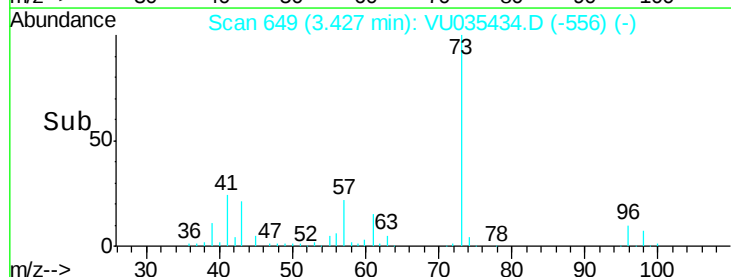
60000

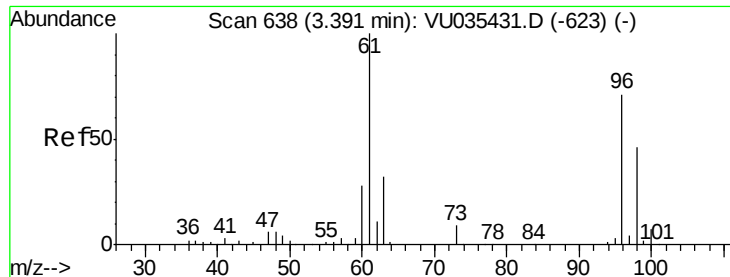
40000

20000

0

Time-->





#18

trans-1,2-Dichloroethene

Concen: 12.061 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035434.D

Acq: 24 Oct 2019 03:55

Instrument :

MSVOA_U

ClientSampleId :

H0G08

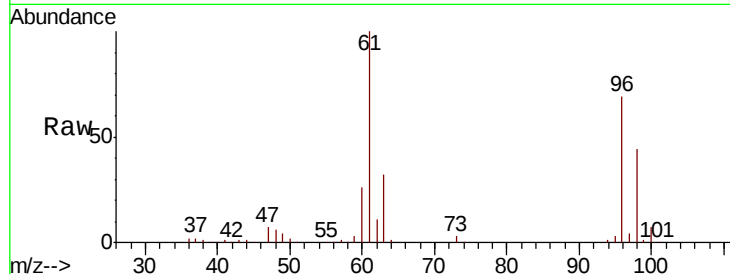
Tot Ion: 96 Resp: 178669

Ion Ratio Lower Upper

96 100

61 144.5 93.0 172.6

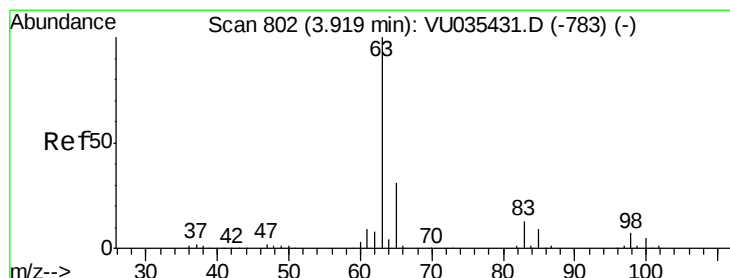
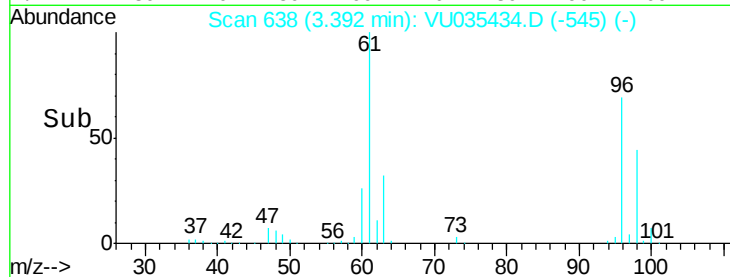
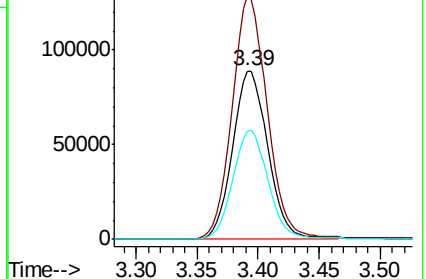
98 63.8 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035434.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035434.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035434.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 0.698 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035434.D

Acq: 24 Oct 2019 03:55

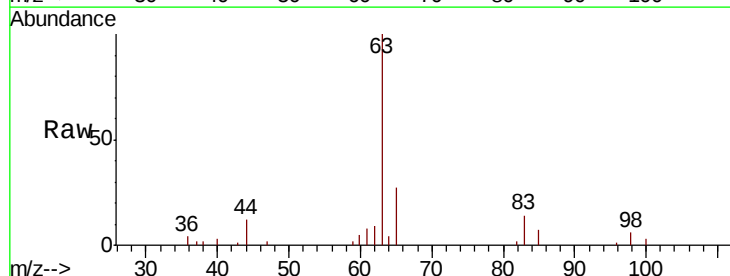
Tgt Ion: 63 Resp: 18706

Ion Ratio Lower Upper

63 100

65 27.3 22.4 41.6

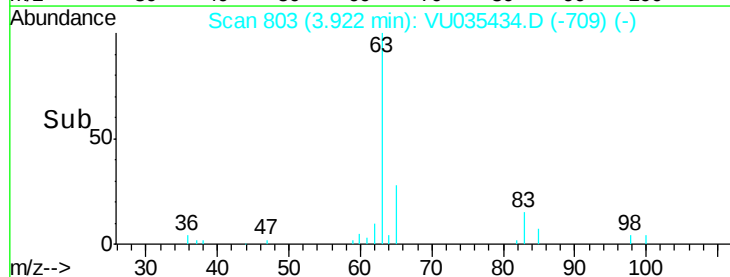
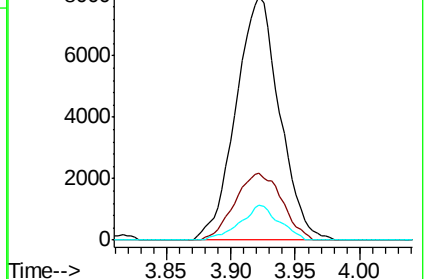
83 14.5 9.3 17.3

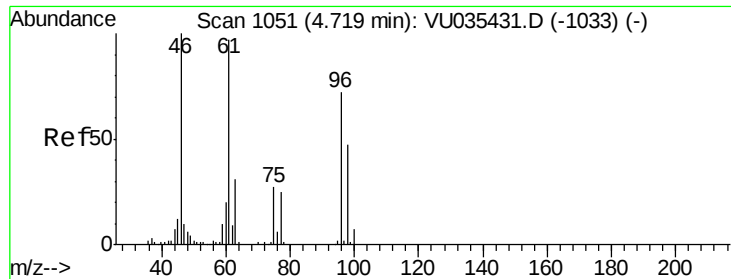


Abundance Ion 63.10 (62.80 to 63.80): VU035434.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035434.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035434.D (-709) (-)

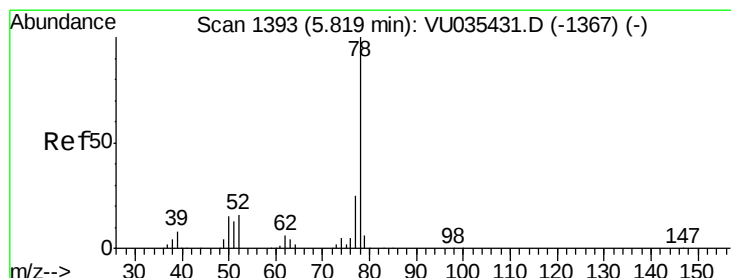
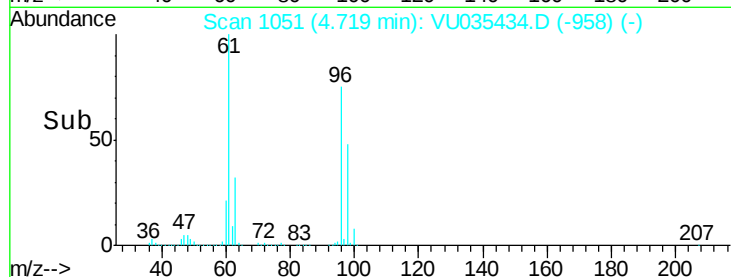
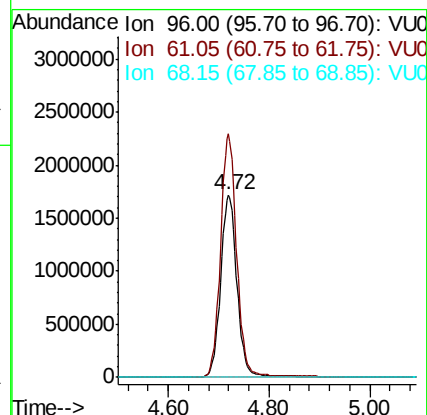
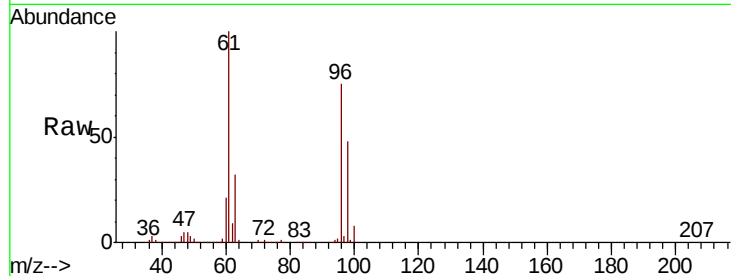




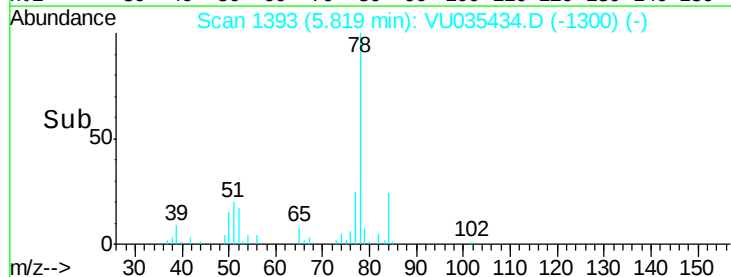
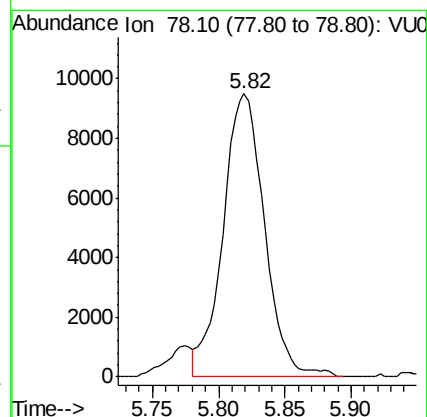
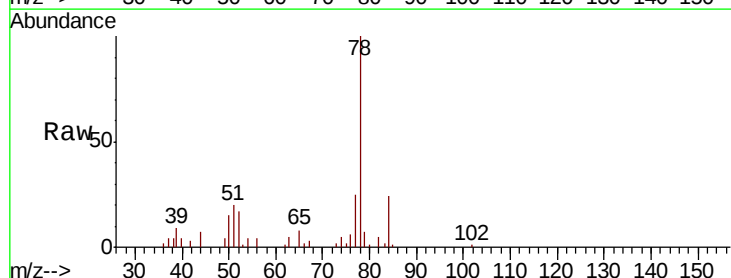
#22
 cis-1,2-Dichloroethene
 Concen: 239.027 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035434.D
 Acq: 24 Oct 2019 03:55

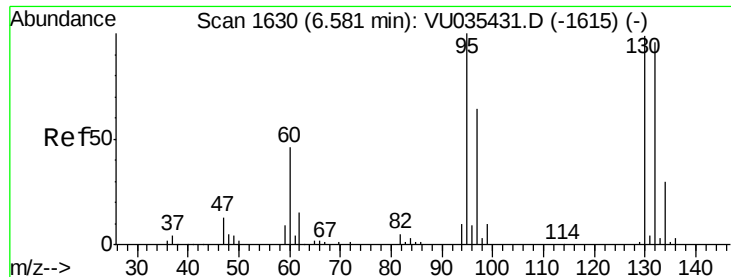
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G08

Tot Ion: 96 Resp: 3913750
 Ion Ratio Lower Upper
 96 100
 61 133.2 89.7 166.5
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 0.323 ug/L
 RT: 5.82 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VU035434.D
 Acq: 24 Oct 2019 03:55
 Tgt Ion: 78 Resp: 20615





#34

Trichloroethene

Concen: 23.956 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035434.D

Acq: 24 Oct 2019 03:55

Instrument :

MSVOA_U

ClientSampleId :

H0G08

Tot Ion: 95 Resp: 410447

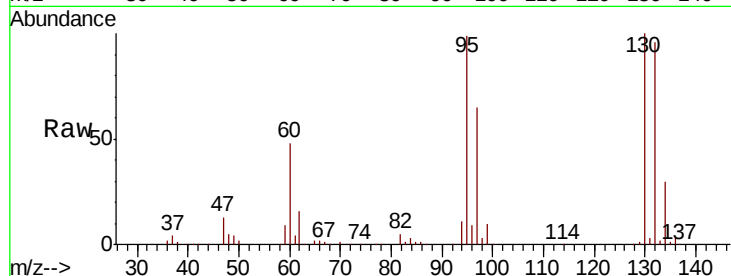
Ion Ratio Lower Upper

95 100

97 65.3 46.6 86.6

132 96.3 68.7 127.7

130 100.7 73.9 137.3

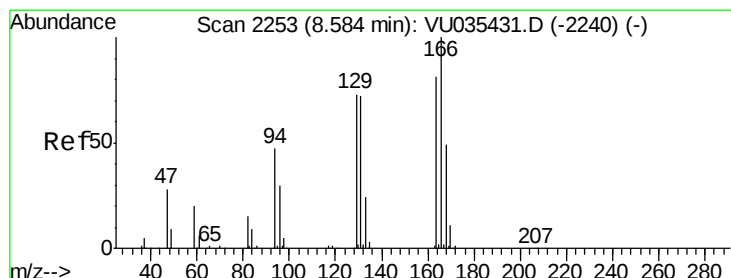
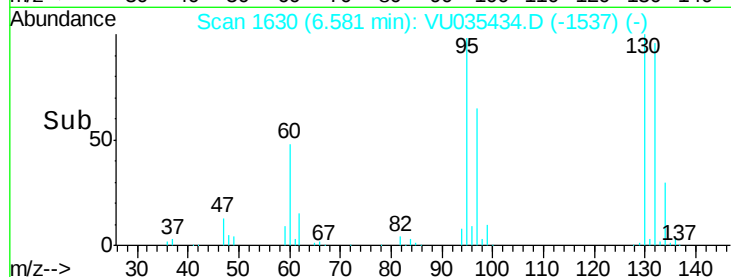
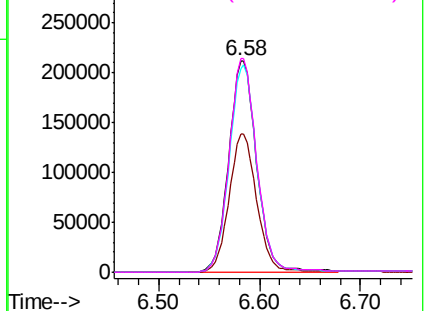


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.179 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035434.D

Acq: 24 Oct 2019 03:55

Tgt Ion:164 Resp: 2555

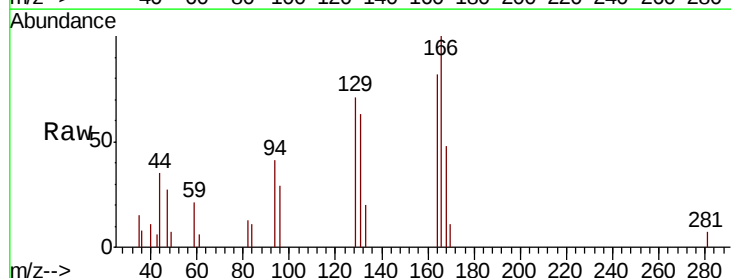
Ion Ratio Lower Upper

164 100

129 85.7 65.2 121.0

131 76.7 62.9 116.9

166 121.2 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

