

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035381.D
 Acq On : 22 Oct 2019 22:31
 Operator : JC/SP
 Sample : K5461-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G03

Quant Time: Oct 23 09:04:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:02:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	258744	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	258108	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	95930	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	107537	6.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	136.20%#
7) Chloroethane-d5	1.93	69	90844	6.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	126.00%
11) 1,1-Dichloroethene-d2	2.59	63	135543	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.00%
20) 2-Butanone-d5	4.71	46	244087	53.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.68%
24) Chloroform-d	5.11	84	162200	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
26) 1,2-Dichloroethane-d4	5.75	65	90642	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.77	84	332024	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.74	67	108765	5.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.00%
41) Toluene-d8	7.93	98	284539	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	8.22	79	37487	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.68	63	179026	44.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.26%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	89988	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	95922	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

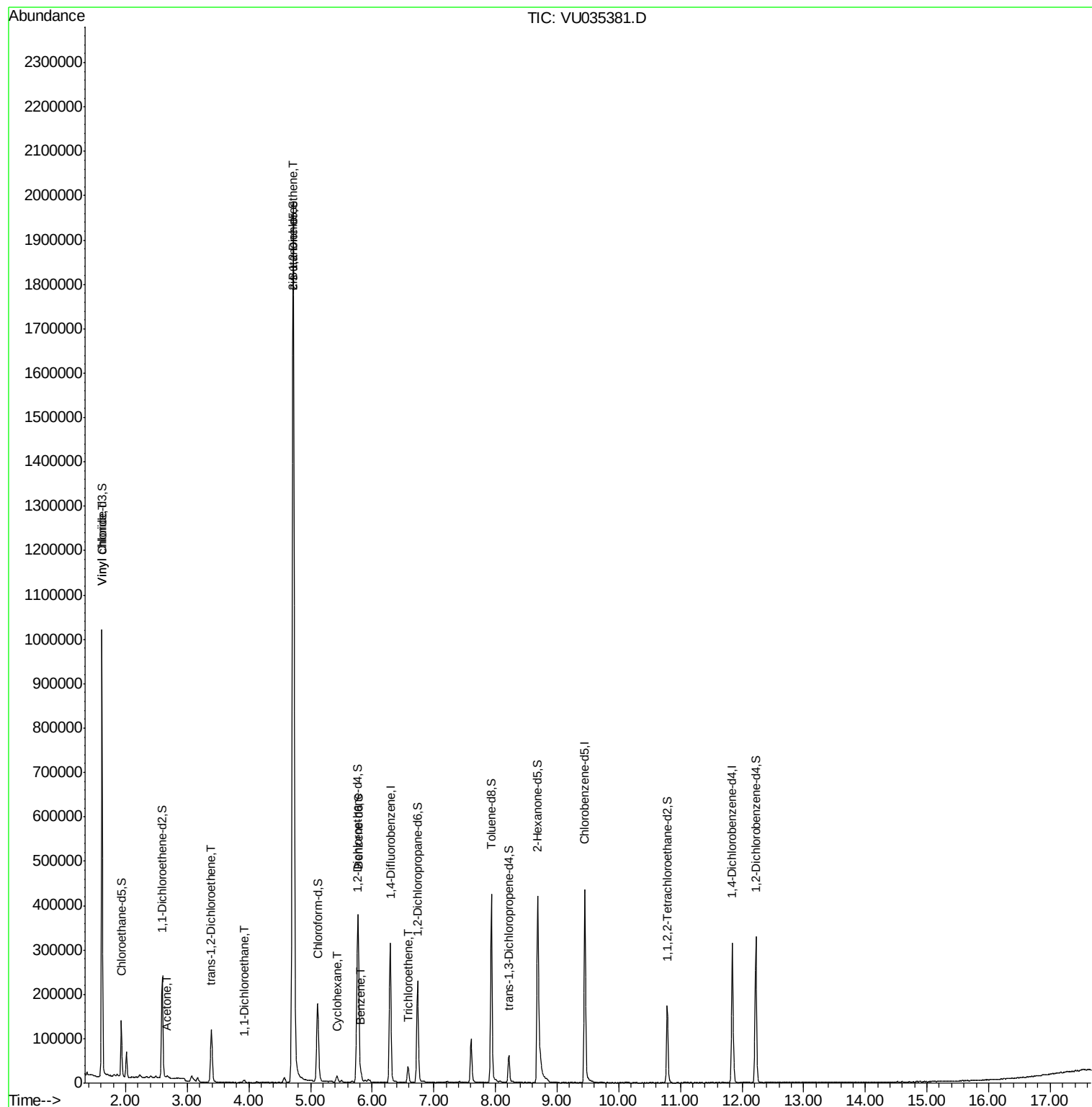
					Ovalue
5) Vinyl chloride	1.62	62	580470	25.874	ug/L 100
13) Acetone	2.67	43	4763	1.510	ug/L 76
18) trans-1,2-Dichloroethene	3.39	96	45285	2.524	ug/L 94
19) 1,1-Dichloroethane	3.92	63	5938	0.183	ug/L 95
22) cis-1,2-Dichloroethene	4.72	96	981046	49.477	ug/L 98
30) Cyclohexane	5.43	56	5934	0.183	ug/L # 90
33) Benzene	5.82	78	16827	0.222	ug/L 100
34) Trichloroethene	6.58	95	11529	0.565	ug/L 96

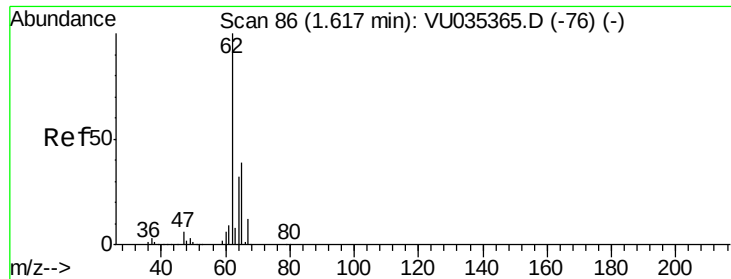
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 25.874 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035381.D

Acq: 22 Oct 2019 22:31

Instrument :

MSVOA_U

ClientSampleId :

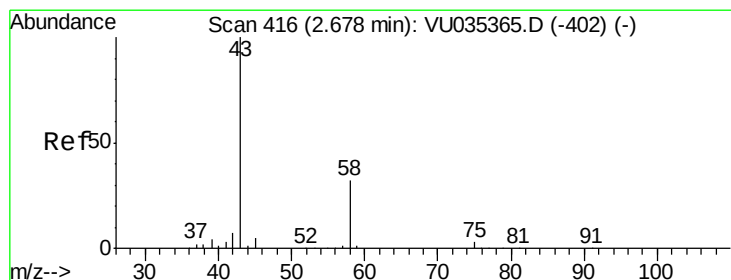
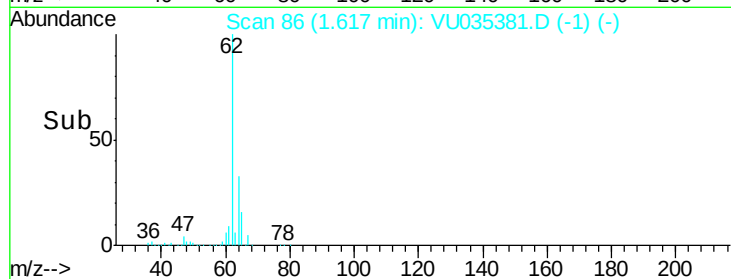
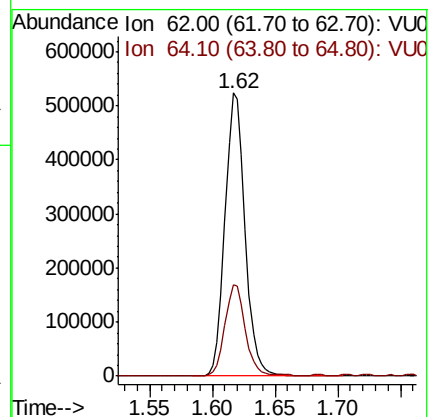
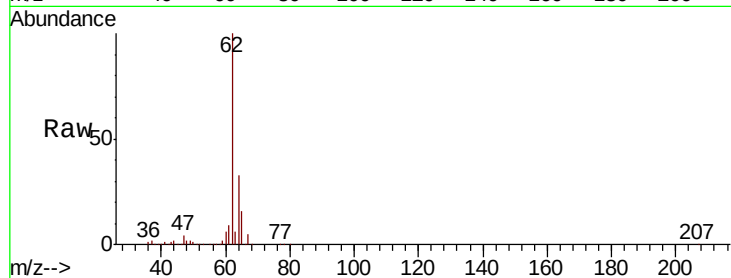
H0G03

Tot Ion: 62 Resp: 580470

Ion Ratio Lower Upper

62 100

64 32.5 22.9 42.5



#13

Acetone

Concen: 1.510 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU035381.D

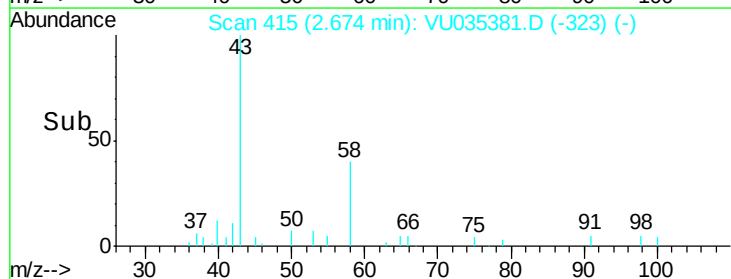
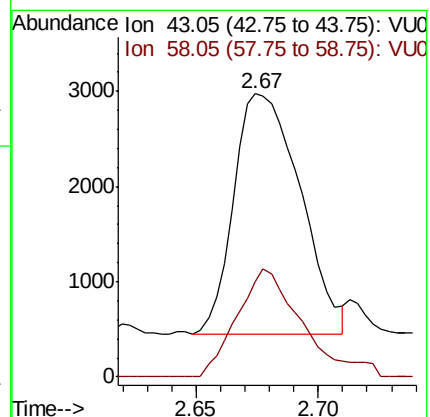
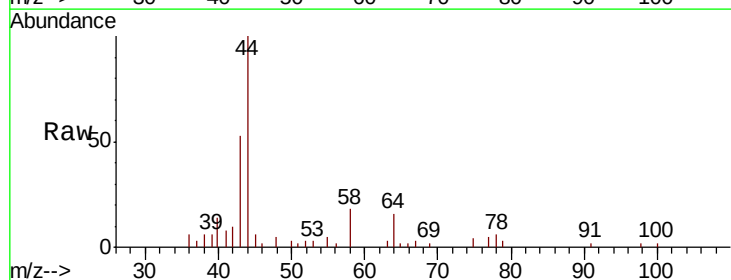
Acq: 22 Oct 2019 22:31

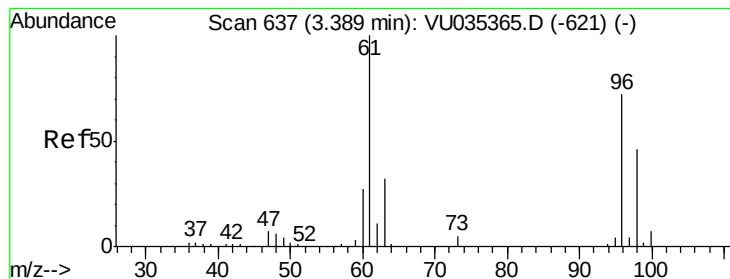
Tgt Ion: 43 Resp: 4763

Ion Ratio Lower Upper

43 100

58 44.3 0.0 61.8





#18

trans-1,2-Dichloroethene

Concen: 2.524 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035381.D

Acq: 22 Oct 2019 22:31

Instrument :

MSVOA_U

ClientSampleId :

H0G03

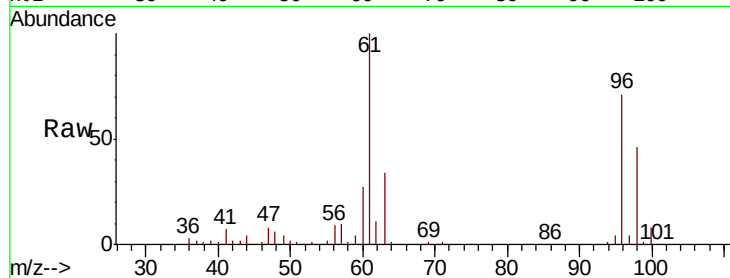
Tot Ion: 96 Resp: 45285

Ion Ratio Lower Upper

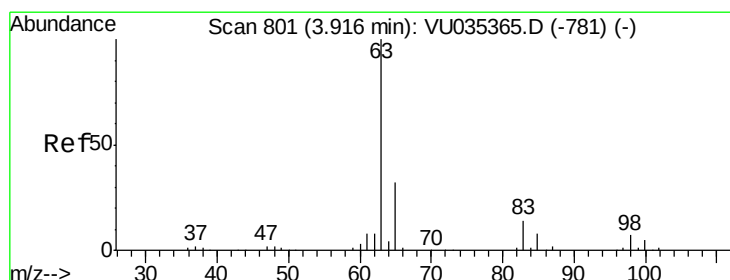
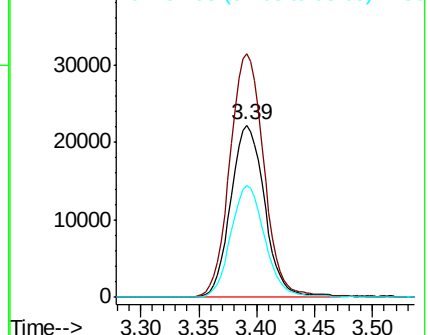
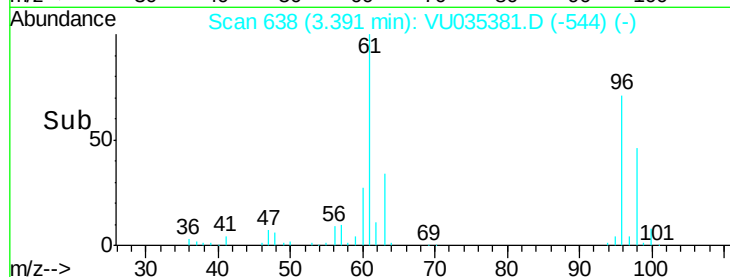
96 100

61 141.3 93.0 172.6

98 64.8 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035381.D (-544) (-)



#19

1,1-Dichloroethane

Concen: 0.183 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.01 min

Lab File: VU035381.D

Acq: 22 Oct 2019 22:31

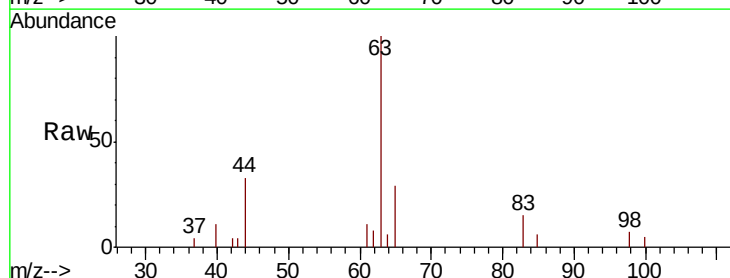
Tgt Ion: 63 Resp: 5938

Ion Ratio Lower Upper

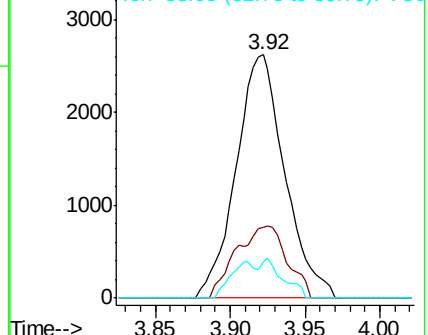
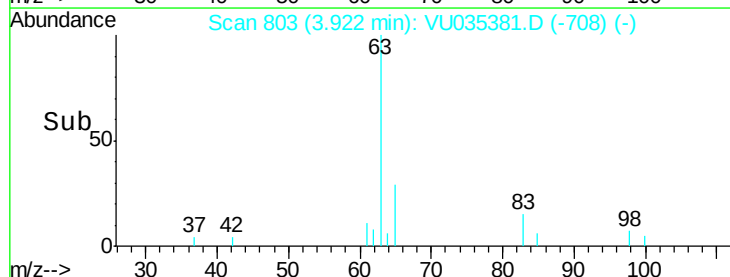
63 100

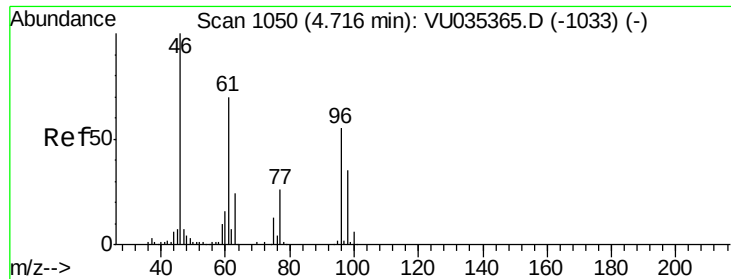
65 29.2 22.4 41.6

83 14.9 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035381.D (-708) (-)

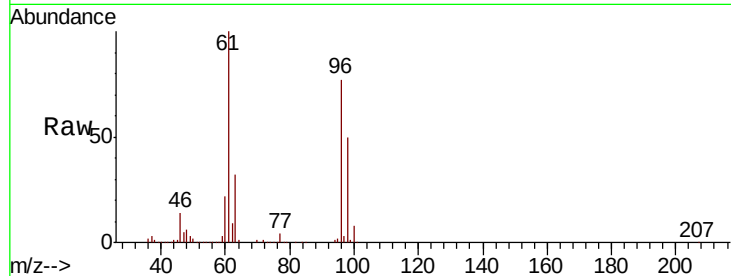




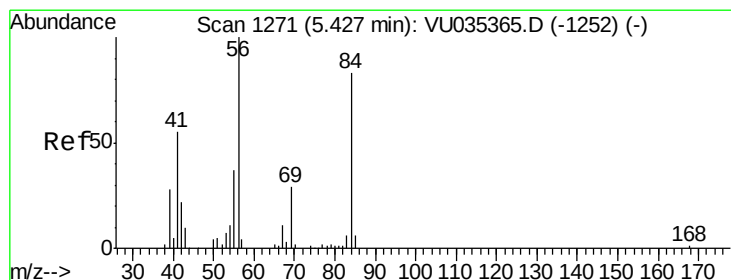
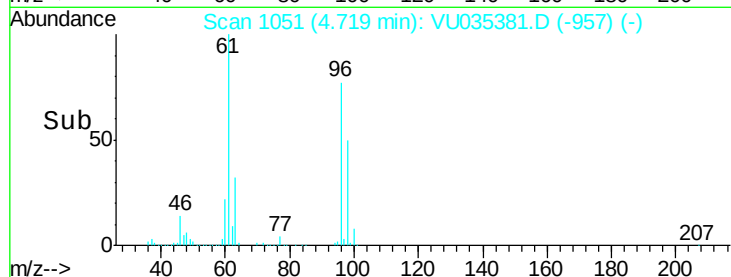
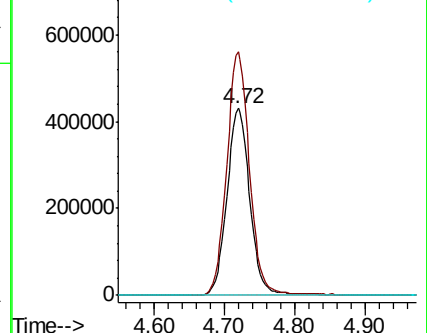
#22
 cis-1,2-Dichloroethene
 Concen: 49.477 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035381.D
 Acq: 22 Oct 2019 22:31

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G03

Tot Ion: 96 Resp: 981046
 Ion Ratio Lower Upper
 96 100
 61 130.1 89.7 166.5
 68 0.0 0.0 0.0

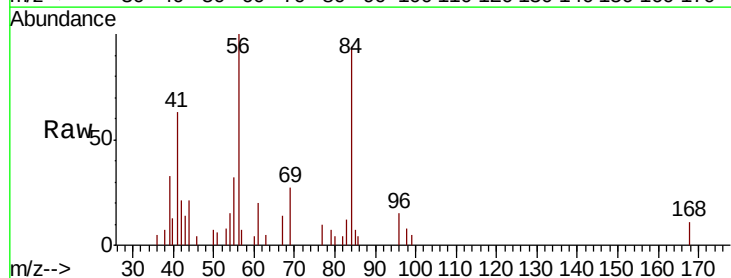


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

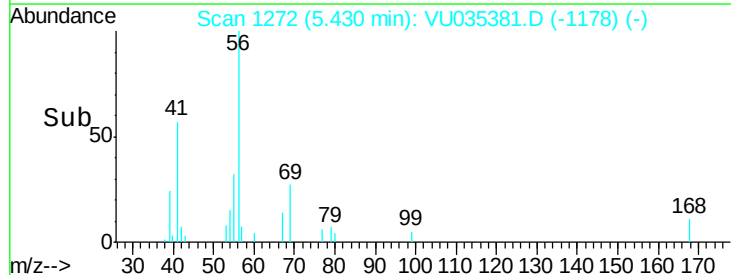
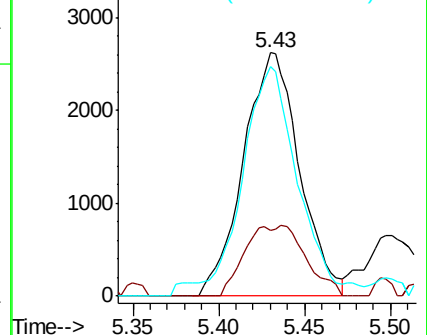


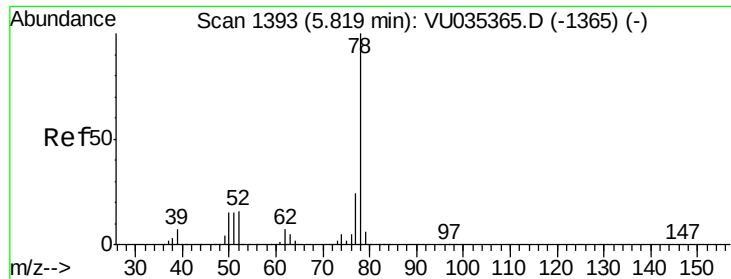
#30
 Cyclohexane
 Concen: 0.183 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035381.D
 Acq: 22 Oct 2019 22:31

Tgt Ion: 56 Resp: 5934
 Ion Ratio Lower Upper
 56 100
 69 14.4 24.6 36.8#
 84 92.7 71.5 107.3



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#33

Benzene

Concen: 0.222 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035381.D

Acq: 22 Oct 2019 22:31

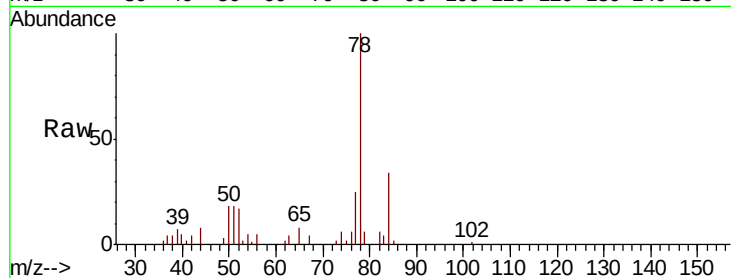
Instrument :

MSVOA_U

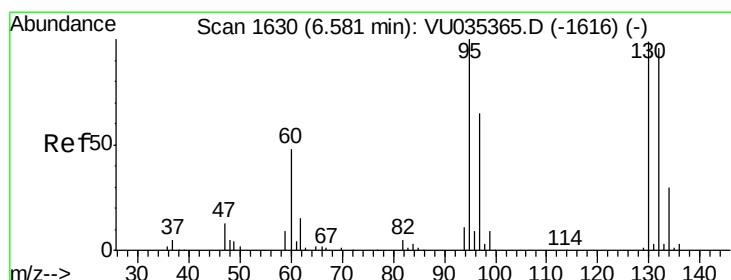
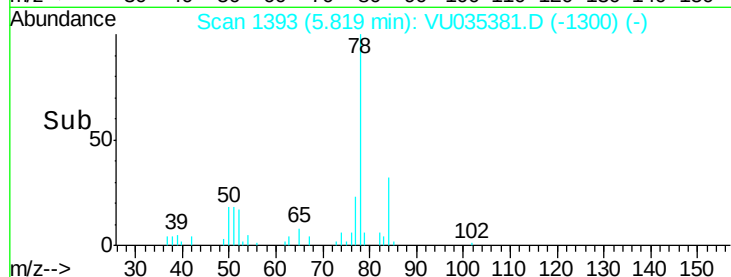
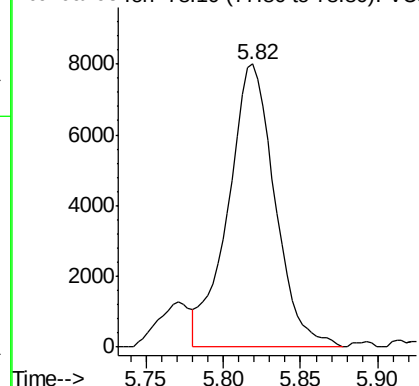
ClientSampleId :

H0G03

Tgt Ion: 78 Resp: 16827



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.565 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035381.D

Acq: 22 Oct 2019 22:31

Tgt Ion: 95 Resp: 11529

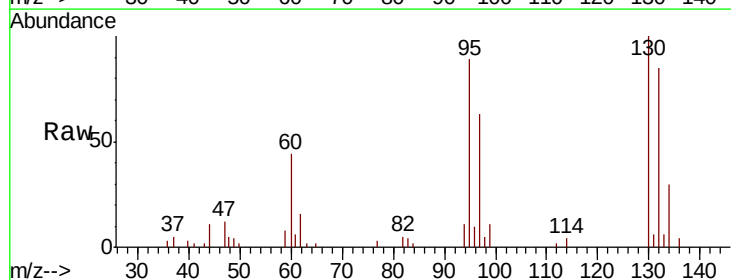
Ion	Ratio	Lower	Upper
95	100		
97	70.0	46.6	86.6
132	95.3	68.7	127.7
130	111.9	73.9	137.3

95 100

97 70.0 46.6 86.6

132 95.3 68.7 127.7

130 111.9 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

