

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035435.D
 Acq On : 24 Oct 2019 04:19
 Operator : JC/SP
 Sample : K5488-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G09

Quant Time: Oct 24 08:11:37 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	210362	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	213378	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	64023	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	52117	4.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.20%
7) Chloroethane-d5	1.93	69	57958	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.60	63	77978	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.70	46	219270	59.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.98%
24) Chloroform-d	5.11	84	128177	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.75	65	73798	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
32) Benzene-d6	5.77	84	227588	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.74	67	84677	5.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.20%
41) Toluene-d8	7.93	98	182616	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.20%
43) trans-1,3-Dichloropropene-	8.22	79	27431	3.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.00%
46) 2-Hexanone-d5	8.69	63	149090	44.96	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.92%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	78211	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.20%
64) 1,2-Dichlorobenzene-d4	12.23	152	58564	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

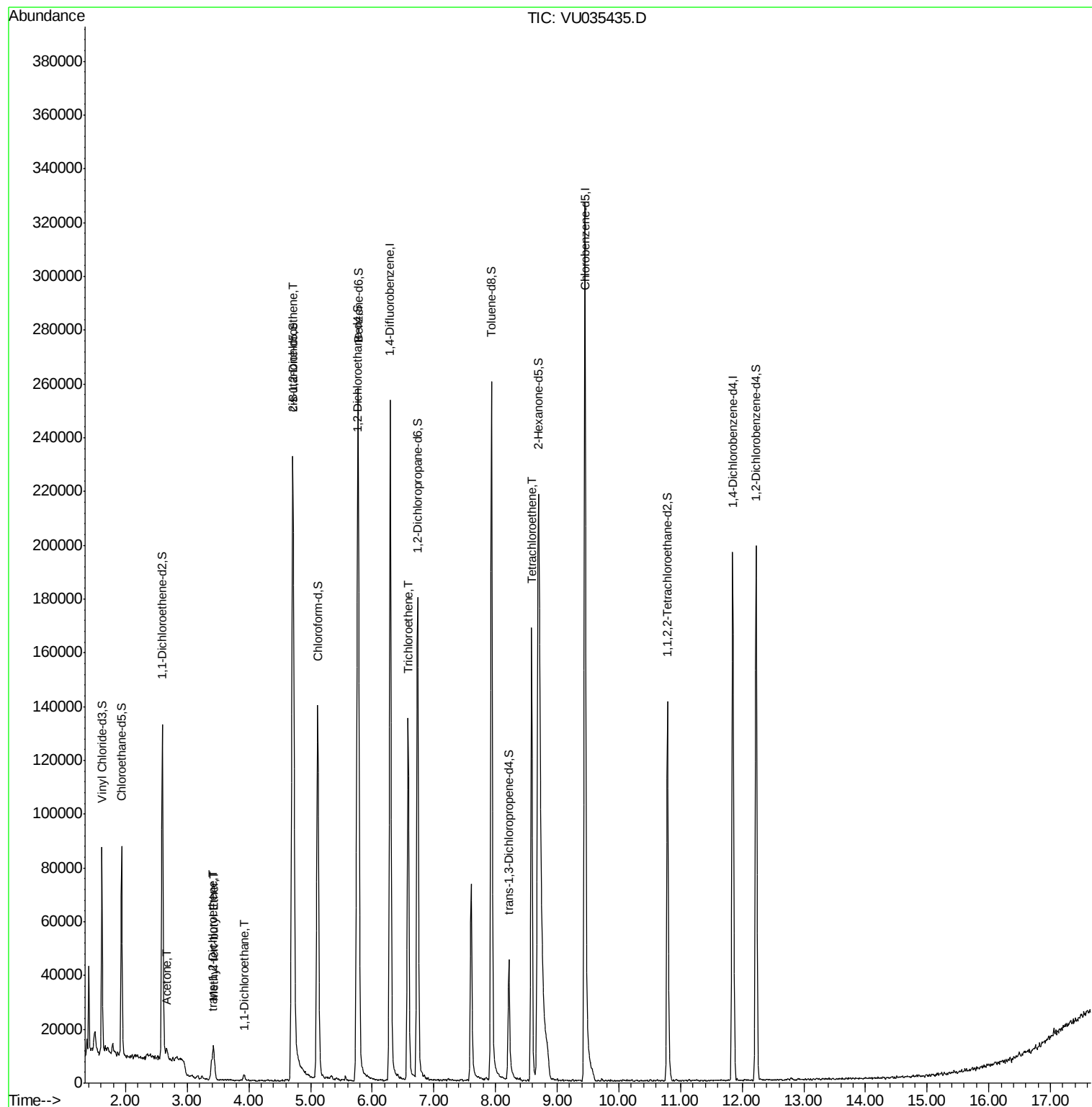
					Ovalue
13) Acetone	2.67	43	3198	1.247 ug/L	98
17) Methyl tert-butyl Ether	3.43	73	12200	0.335 ug/L #	90
18) trans-1,2-Dichloroethene	3.40	96	2733	0.187 ug/L	97
19) 1,1-Dichloroethane	3.92	63	2801	0.106 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	70243	4.357 ug/L	98
34) Trichloroethene	6.58	95	46636	2.763 ug/L	97
47) Tetrachloroethene	8.58	164	38133	2.712 ug/L	95

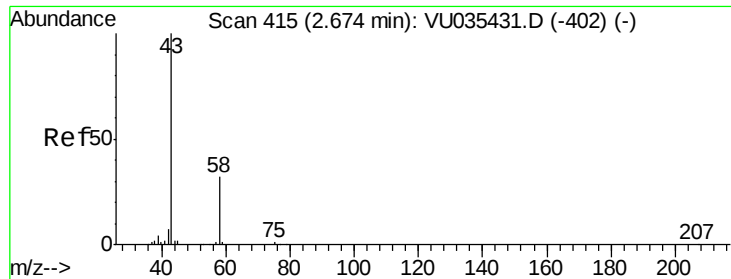
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.247 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

Instrument :

MSVOA_U

ClientSampleId :

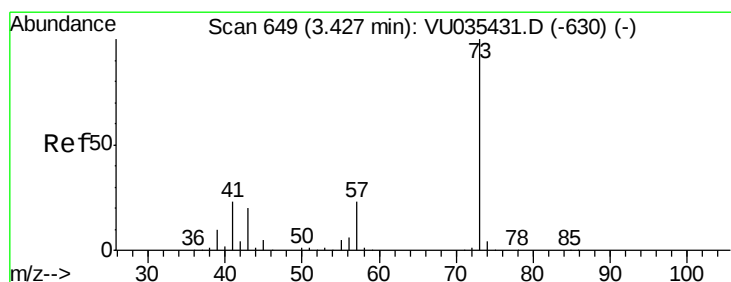
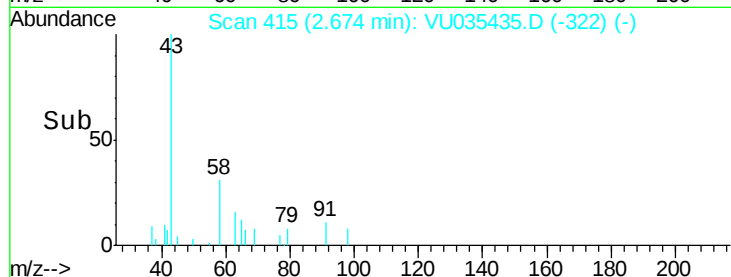
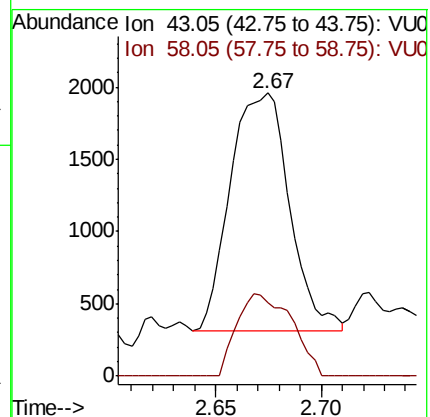
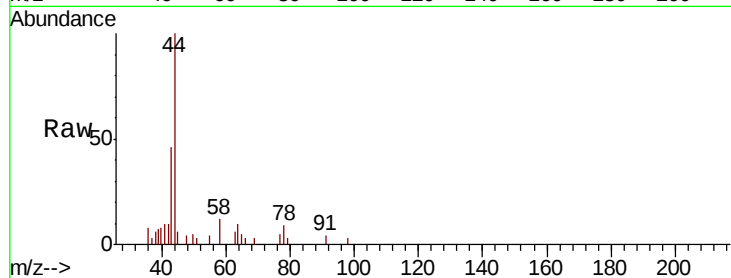
H0G09

Tot Ion: 43 Resp: 3198

Ion Ratio Lower Upper

43 100

58 32.2 0.0 61.8



#17

Methyl tert-butyl Ether

Concen: 0.335 ug/L

RT: 3.43 min Scan# 650

Delta R.T. 0.00 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

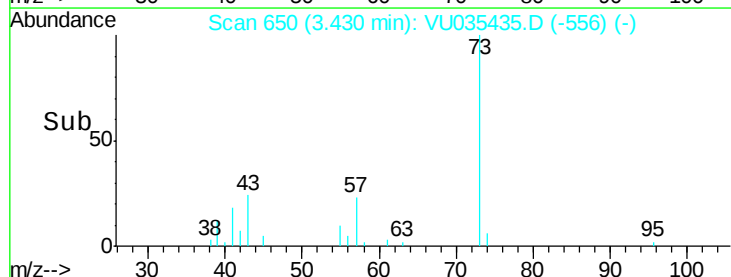
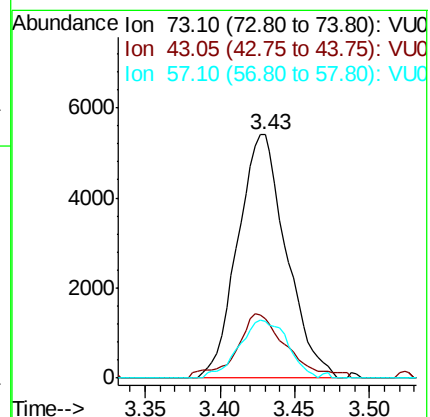
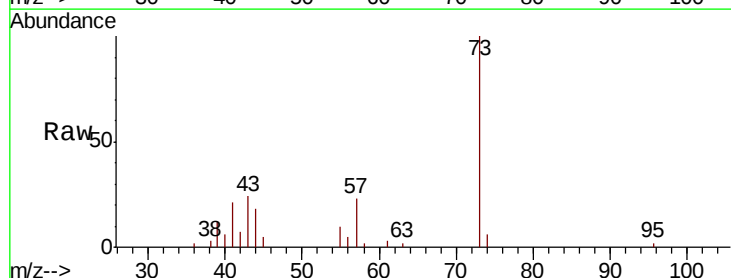
Tgt Ion: 73 Resp: 12200

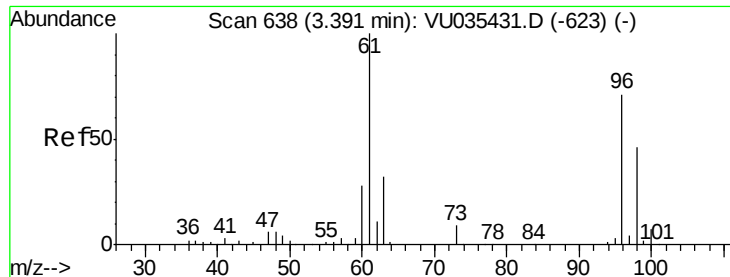
Ion Ratio Lower Upper

73 100

43 27.2 16.0 24.0#

57 23.8 17.4 26.2





#18

trans-1,2-Dichloroethene

Concen: 0.187 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.01 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

Instrument :

MSVOA_U

ClientSampled :

H0G09

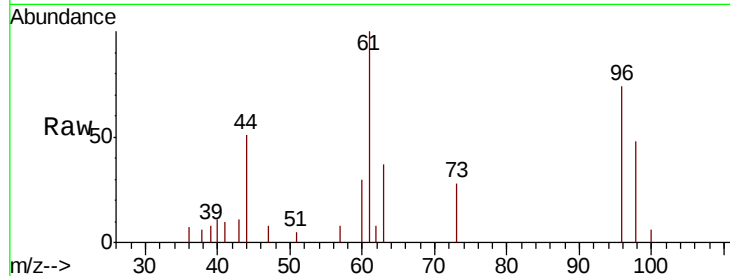
Tot Ion: 96 Resp: 2733

Ion Ratio Lower Upper

96 100

61 135.7 93.0 172.6

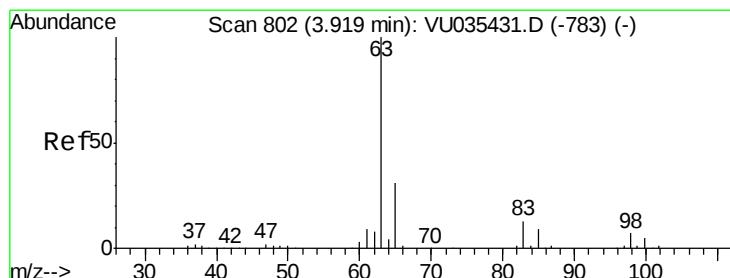
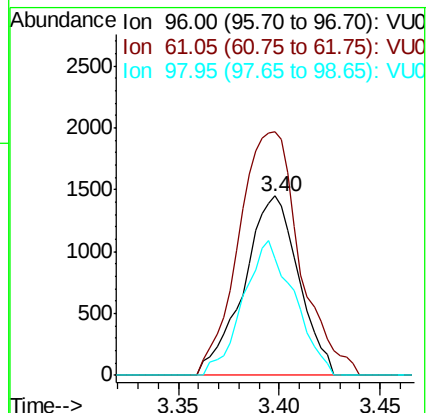
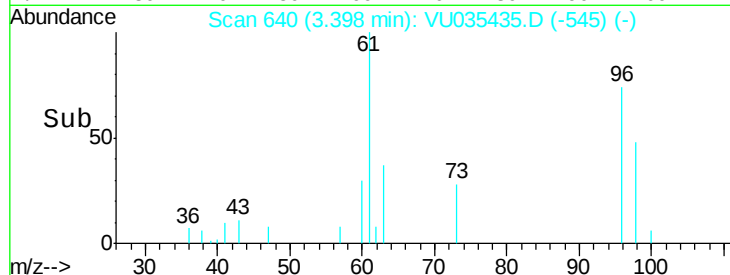
98 65.4 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035435.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035435.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035435.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 0.106 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

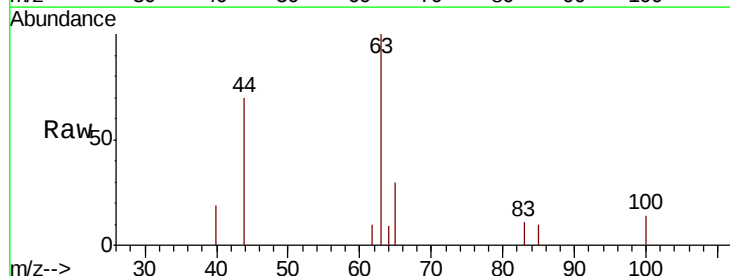
Tgt Ion: 63 Resp: 2801

Ion Ratio Lower Upper

63 100

65 30.4 22.4 41.6

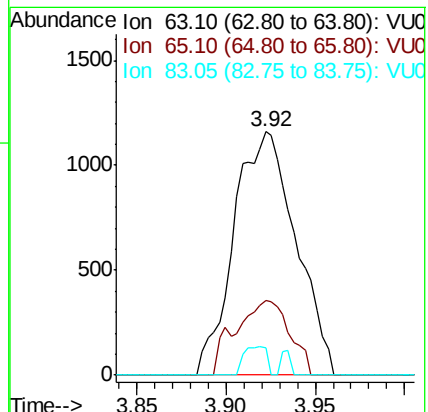
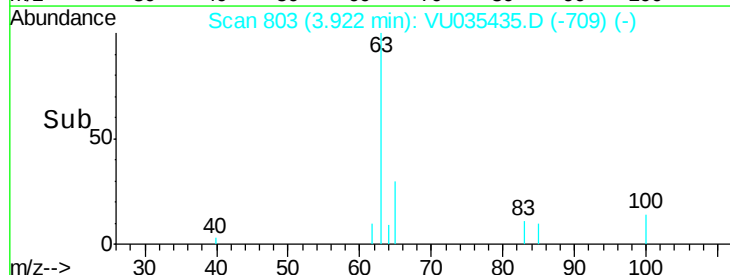
83 11.0 9.3 17.3

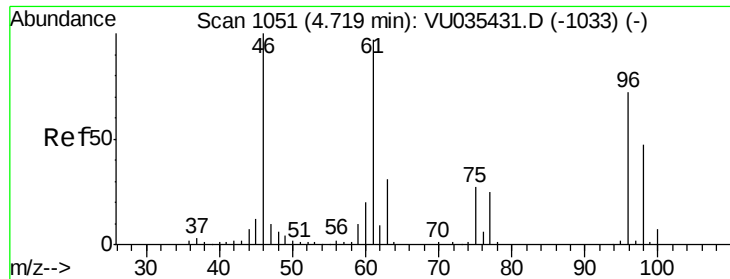


Abundance Ion 63.10 (62.80 to 63.80): VU035435.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035435.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035435.D (-709) (-)

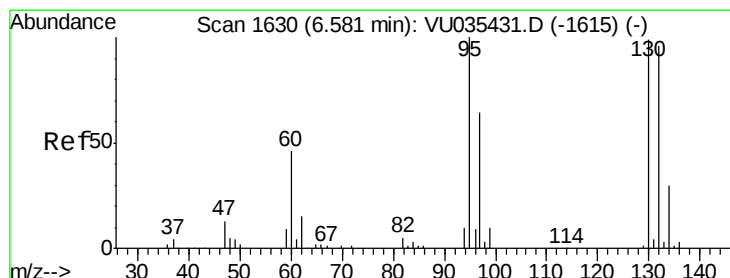
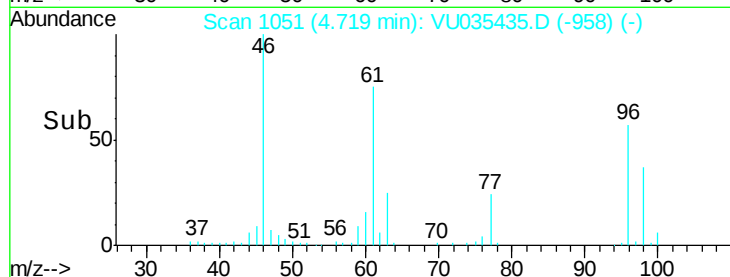
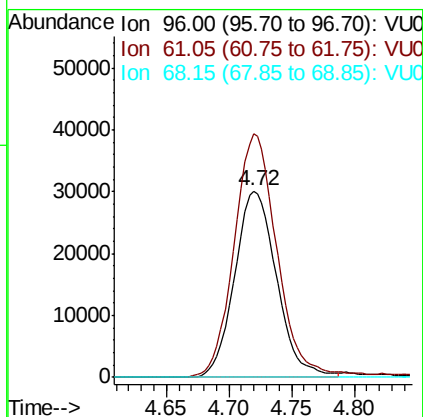
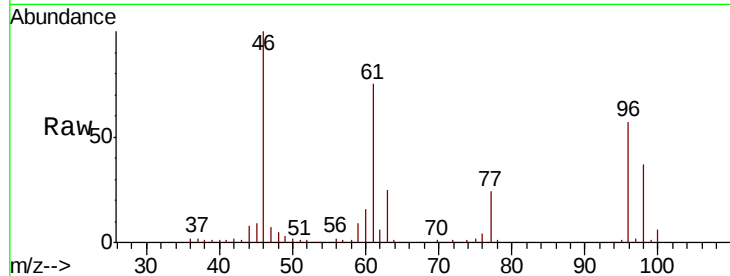




#22
 cis-1,2-Dichloroethene
 Concen: 4.357 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035435.D
 Acq: 24 Oct 2019 04:19

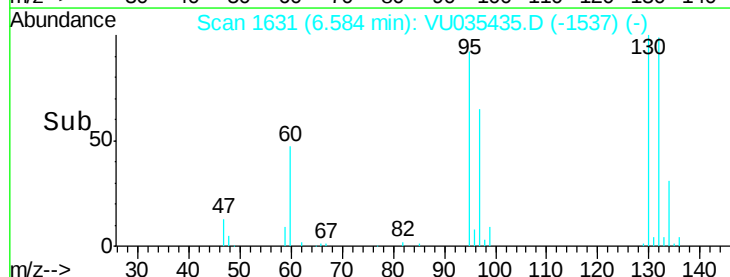
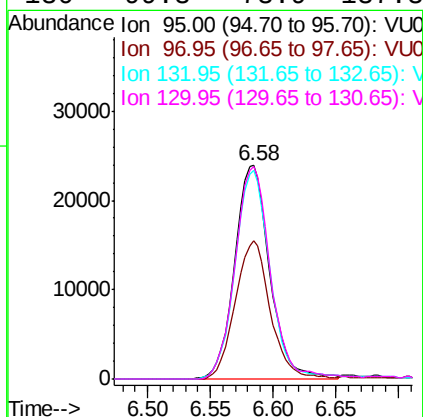
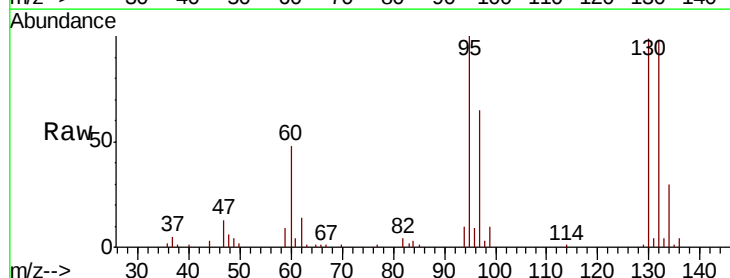
Instrument :
 MSVOA_U
 ClientSampled :
 H0G09

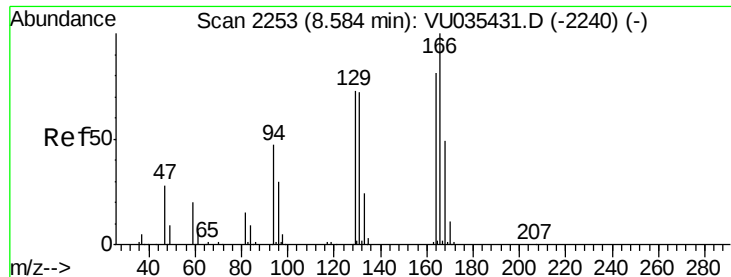
Tot Ion: 96 Resp: 70243
 Ion Ratio Lower Upper
 96 100
 61 130.7 89.7 166.5
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 2.763 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035435.D
 Acq: 24 Oct 2019 04:19

Tgt Ion: 95 Resp: 46636
 Ion Ratio Lower Upper
 95 100
 97 64.8 46.6 86.6
 132 98.0 68.7 127.7
 130 99.3 73.9 137.3





#47

Tetrachloroethene

Concen: 2.712 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035435.D

Acq: 24 Oct 2019 04:19

Instrument :

MSVOA_U

ClientSampleId :

H0G09

Tot Ion:164 Resp: 38133

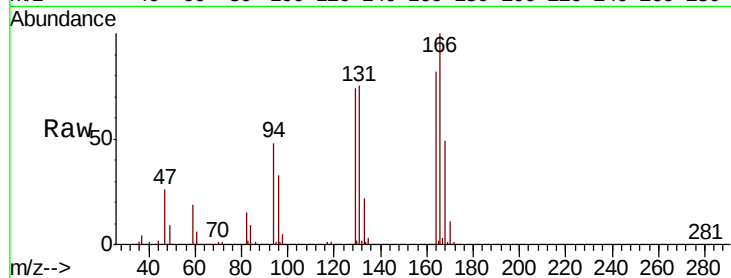
Ion Ratio Lower Upper

164 100

129 89.7 65.2 121.0

131 91.5 62.9 116.9

166 121.8 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

