

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102219\
 Data File : VU035367.D
 Acq On : 22 Oct 2019 16:44
 Operator : JC/SP
 Sample : K5461-16DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G67DL

Quant Time: Oct 23 08:12:09 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	277890	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	272909	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	96683	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	97017	5.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.40%
7) Chloroethane-d5	1.93	69	87855	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.40%
11) 1,1-Dichloroethene-d2	2.59	63	125471	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	4.70	46	240532	49.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.80%
24) Chloroform-d	5.11	84	161067	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.75	65	91283	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.77	84	323551	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.73	67	107073	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.00%
41) Toluene-d8	7.93	98	282906	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.21	79	40132	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.68	63	177815	41.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.86%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	87416	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	86571	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

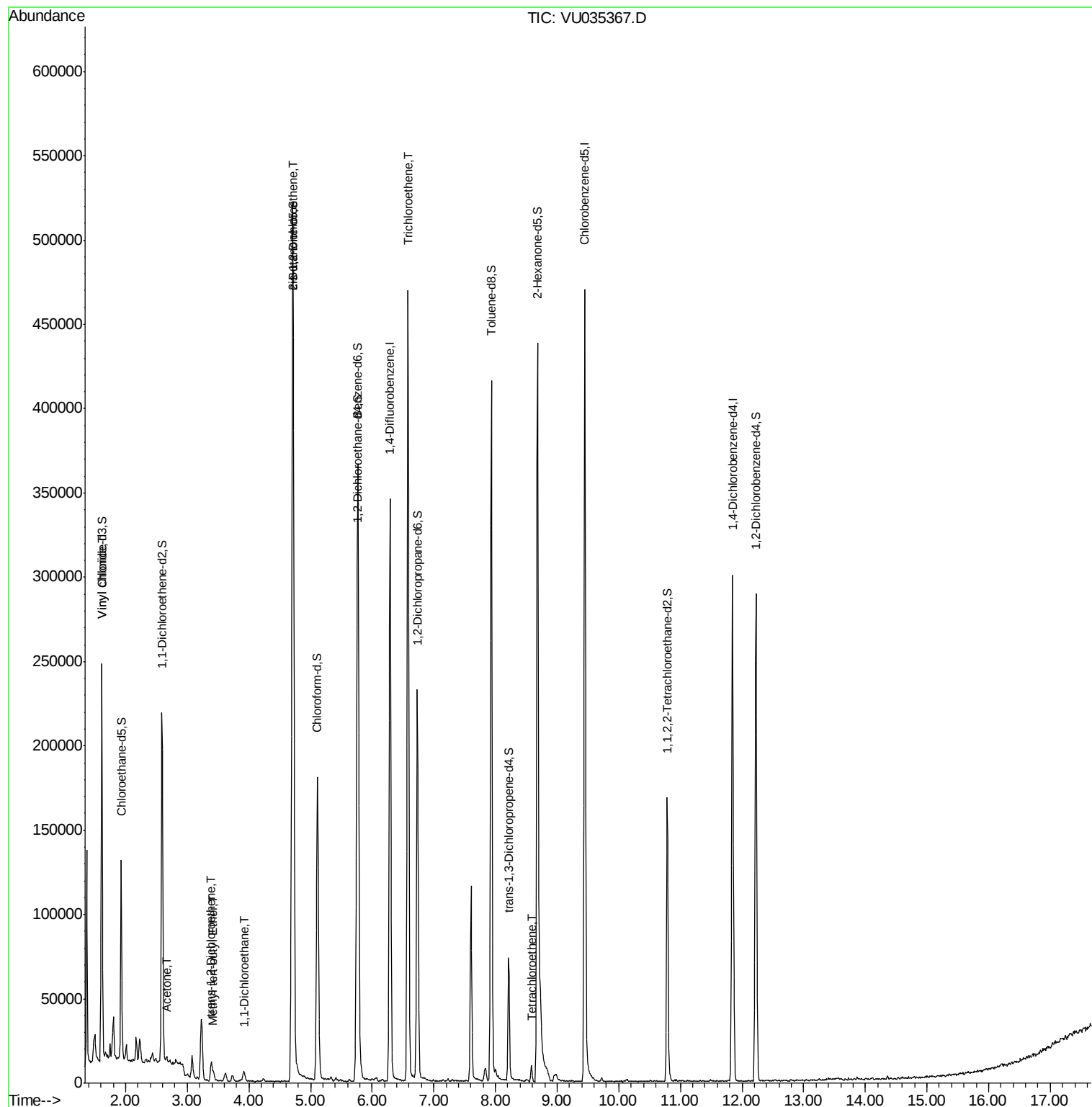
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	46457	1.928	ug/L	88
13) Acetone	2.67	43	3352	0.990	ug/L	86
17) Methyl tert-butyl Ether	3.43	73	5803	0.121	ug/L #	86
18) trans-1,2-Dichloroethene	3.39	96	3827	0.199	ug/L	84
19) 1,1-Dichloroethane	3.92	63	7021	0.202	ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	207686	9.753	ug/L	100
34) Trichloroethene	6.58	95	156147	7.233	ug/L	98
47) Tetrachloroethene	8.58	164	1960	0.109	ug/L	92

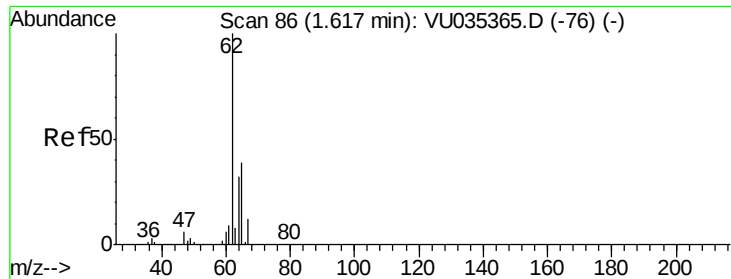
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.928 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035367.D

Acq: 22 Oct 2019 16:44

Instrument :

MSVOA_U

ClientSampleId :

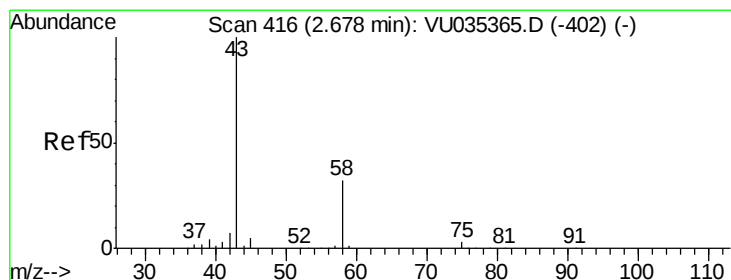
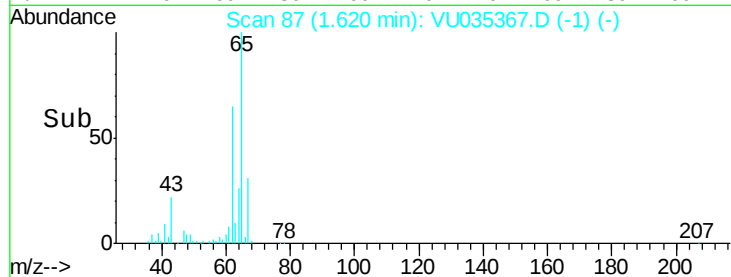
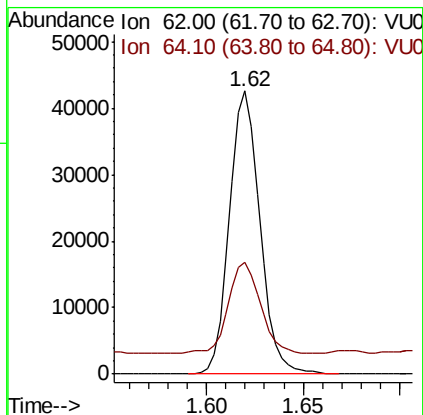
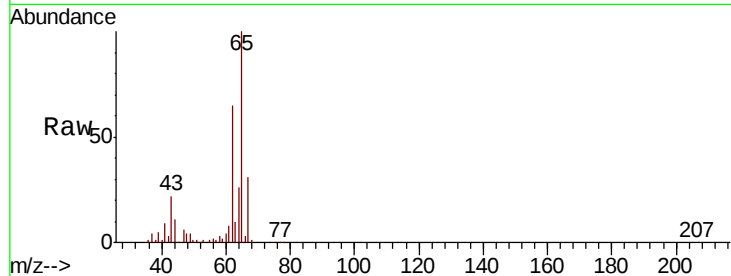
H0G67DL

Tot Ion: 62 Resp: 46457

Ion Ratio Lower Upper

62 100

64 39.4 22.9 42.5



#13

Acetone

Concen: 0.990 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035367.D

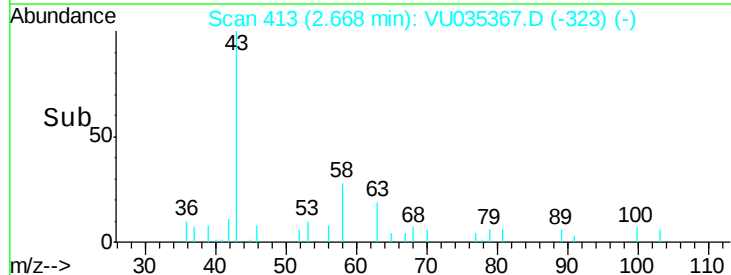
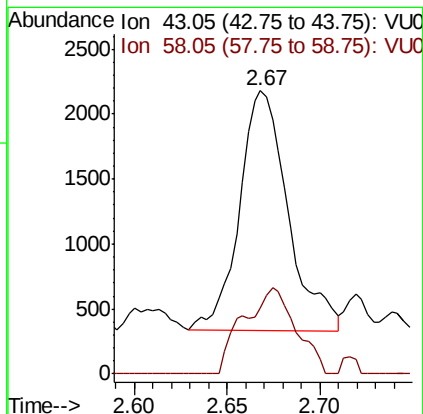
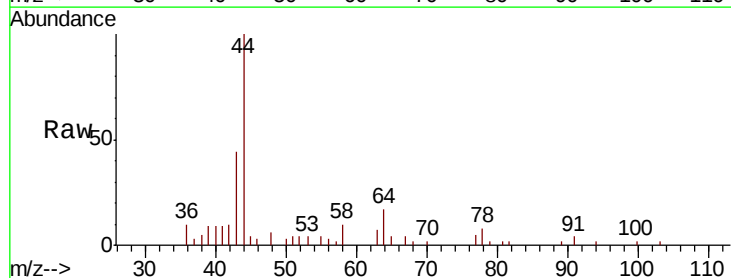
Acq: 22 Oct 2019 16:44

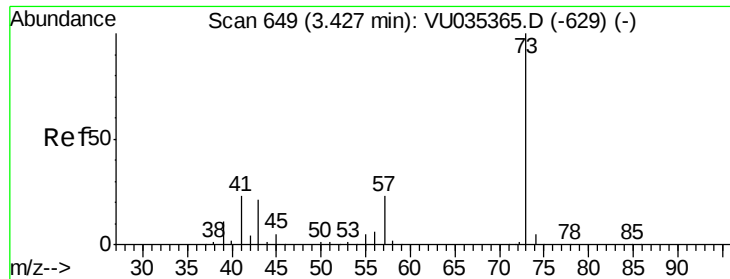
Tgt Ion: 43 Resp: 3352

Ion Ratio Lower Upper

43 100

58 38.8 0.0 61.8





#17

Methyl tert-butyl Ether

Concen: 0.121 ug/L

RT: 3.43 min Scan# 649

Delta R.T. -0.00 min

Lab File: VU035367.D

Acq: 22 Oct 2019 16:44

Instrument :

MSVOA_U

ClientSampleId :

H0G67DL

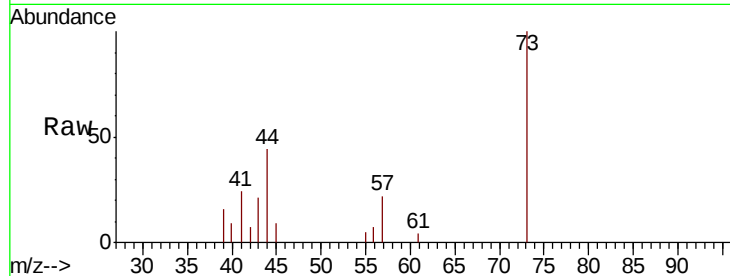
Tot Ion: 73 Resp: 5803

Ion Ratio Lower Upper

73 100

43 25.0 16.0 24.0#

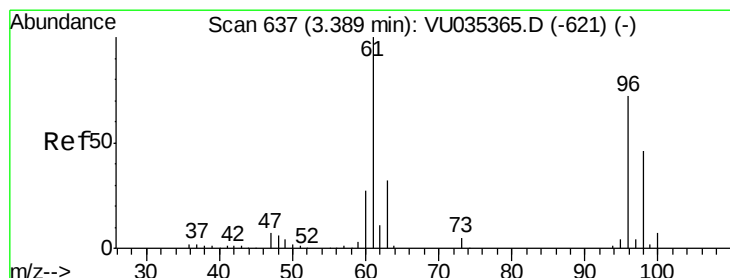
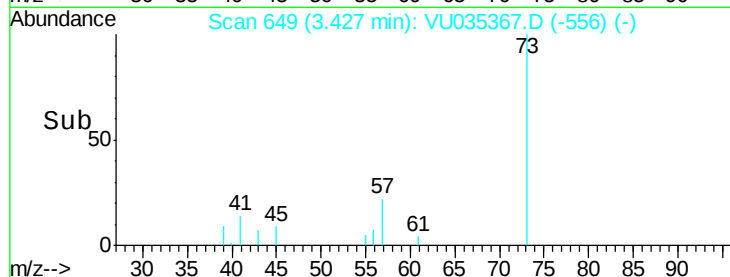
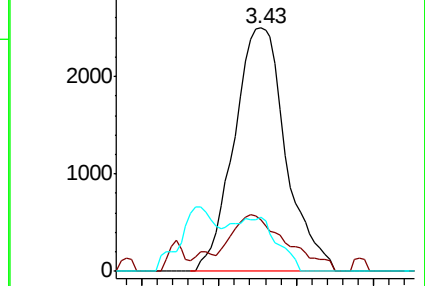
57 13.9 17.4 26.2#



Abundance Ion 73.10 (72.80 to 73.80): VU035367.D (-556) (-)

Ion 43.05 (42.75 to 43.75): VU035367.D (-556) (-)

Ion 57.10 (56.80 to 57.80): VU035367.D (-556) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.199 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU035367.D

Acq: 22 Oct 2019 16:44

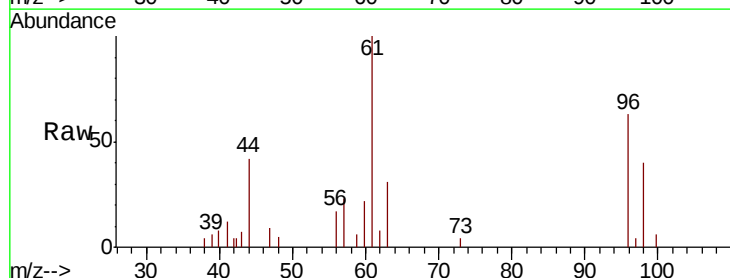
Tgt Ion: 96 Resp: 3827

Ion Ratio Lower Upper

96 100

61 159.1 93.0 172.6

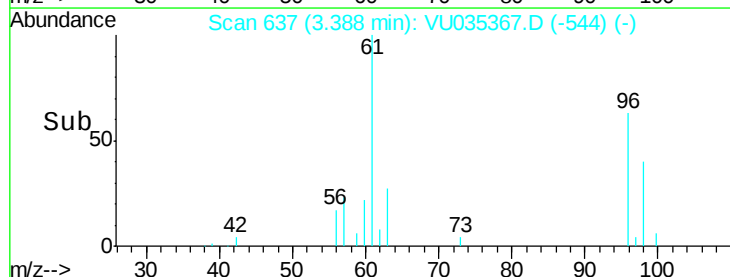
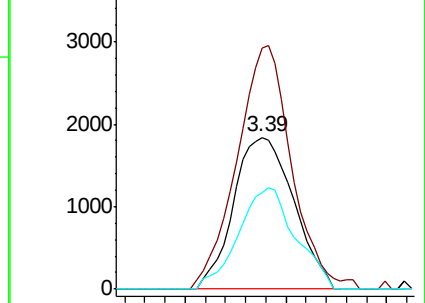
98 64.0 43.7 81.1

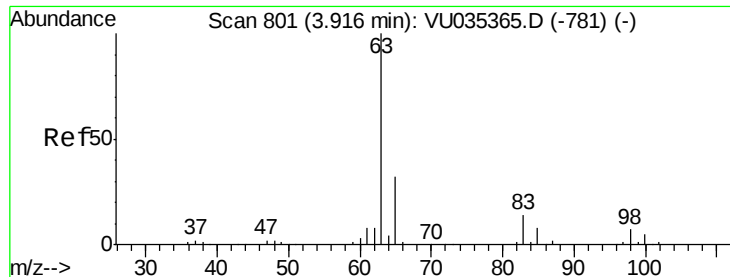


Abundance Ion 96.00 (95.70 to 96.70): VU035367.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU035367.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU035367.D (-544) (-)

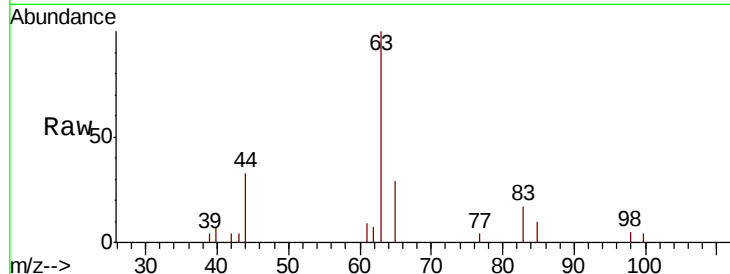




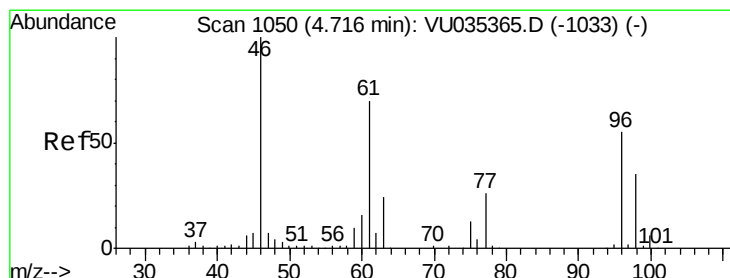
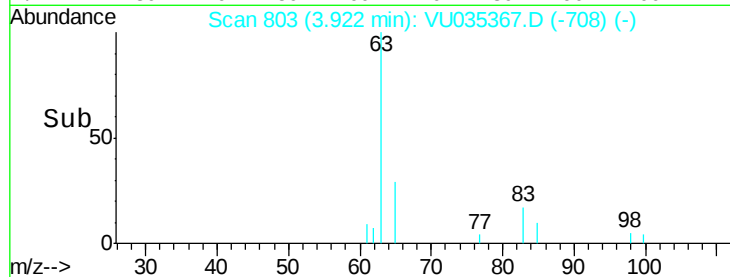
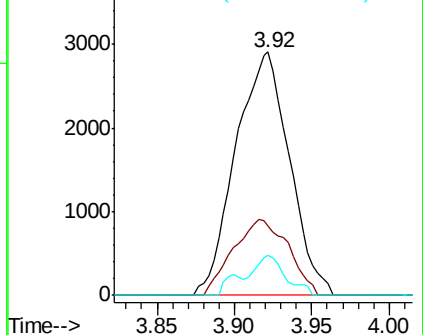
#19
 1,1-Dichloroethane
 Concen: 0.202 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VU035367.D
 Acq: 22 Oct 2019 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G67DL

Tot Ion: 63 Resp: 7021
 Ion Ratio Lower Upper
 63 100
 65 28.6 22.4 41.6
 83 16.6 9.3 17.3

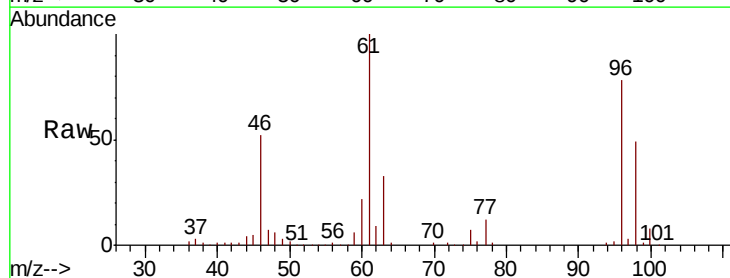


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

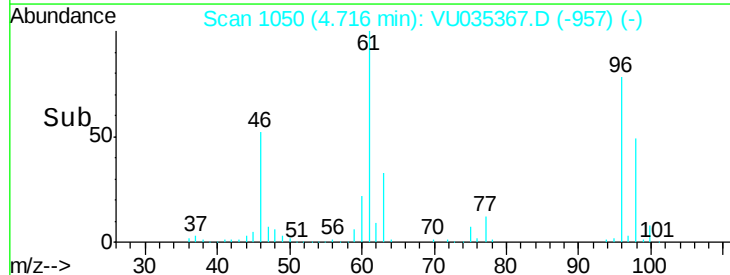
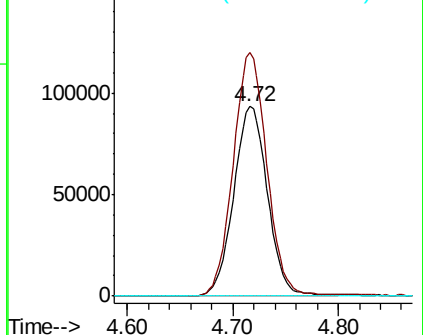


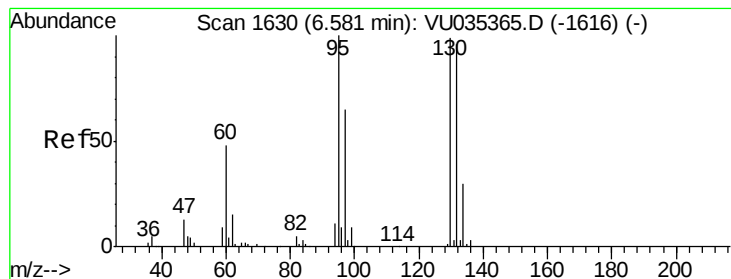
#22
 cis-1,2-Dichloroethene
 Concen: 9.753 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU035367.D
 Acq: 22 Oct 2019 16:44

Tgt Ion: 96 Resp: 207686
 Ion Ratio Lower Upper
 96 100
 61 128.4 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: 7.233 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035367.D

Acq: 22 Oct 2019 16:44

Instrument :

MSVOA_U

ClientSampleId :

H0G67DL

Tot Ion: 95 Resp: 156147

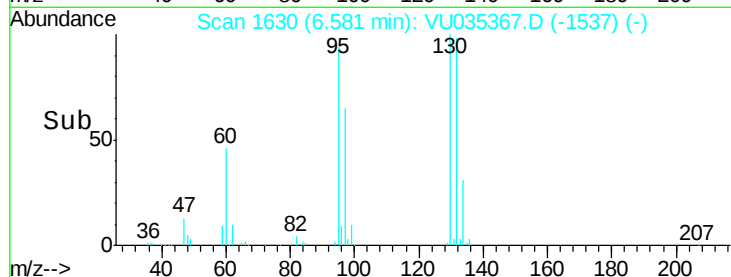
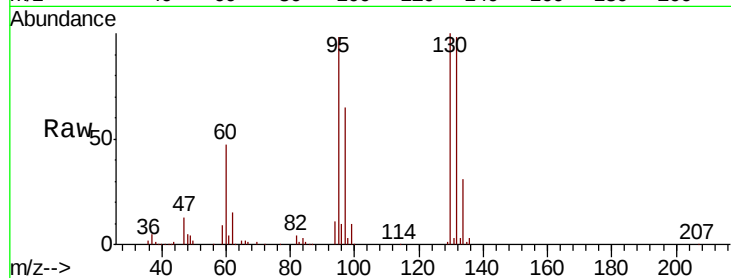
Ion Ratio Lower Upper

95 100

97 66.3 46.6 86.6

132 99.5 68.7 127.7

130 101.7 73.9 137.3

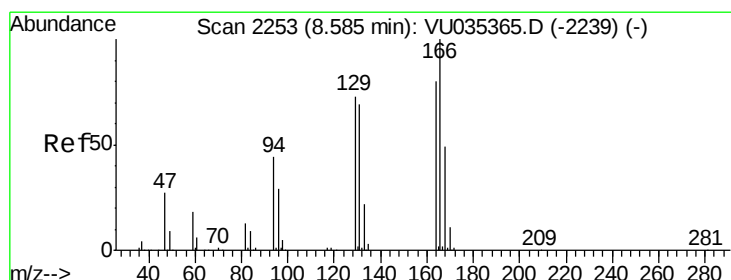
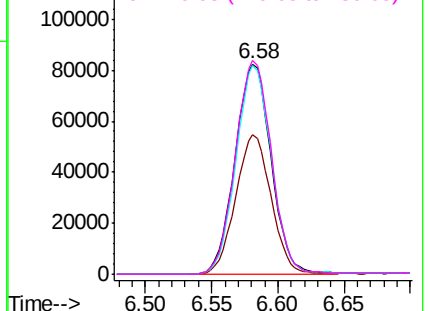


Abundance Ion 95.00 (94.70 to 95.70): VU035367.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035367.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035367.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035367.D (-1537) (-)



#47

Tetrachloroethene

Concen: 0.109 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU035367.D

Acq: 22 Oct 2019 16:44

Tgt Ion: 164 Resp: 1960

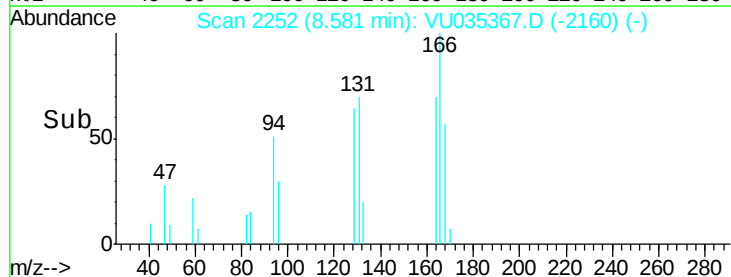
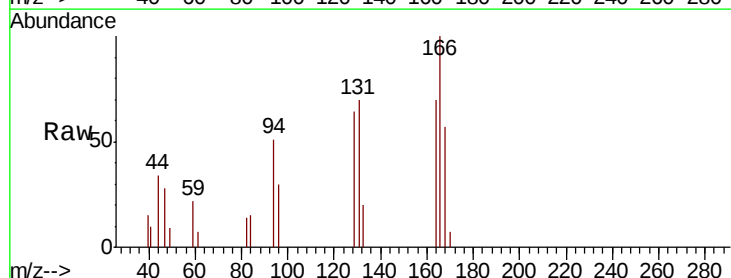
Ion Ratio Lower Upper

164 100

129 91.5 65.2 121.0

131 99.7 62.9 116.9

166 142.7 91.5 169.9



Abundance Ion 163.90 (163.60 to 164.60): VU035367.D (-2160) (-)

Ion 128.95 (128.65 to 129.65): VU035367.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU035367.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU035367.D (-2160) (-)

