

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120519\
 Data File : VU035997.D
 Acq On : 05 Dec 2019 16:22
 Operator : JC/SP
 Sample : K6105-13
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE32

Quant Time: Dec 06 01:43:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 06 00:57:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	279312	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	307712	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	93557	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	130762	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.93	69	111379	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.60	63	328713	7.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	143.80%#
20) 2-Butanone-d5	4.69	46	272450	48.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.64%
24) Chloroform-d	5.11	84	208438	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.75	65	111960	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.77	84	409548	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.73	67	134656	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.93	98	336567	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	8.22	79	46794	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.68	63	218322	46.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.14%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	112927	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	105078	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

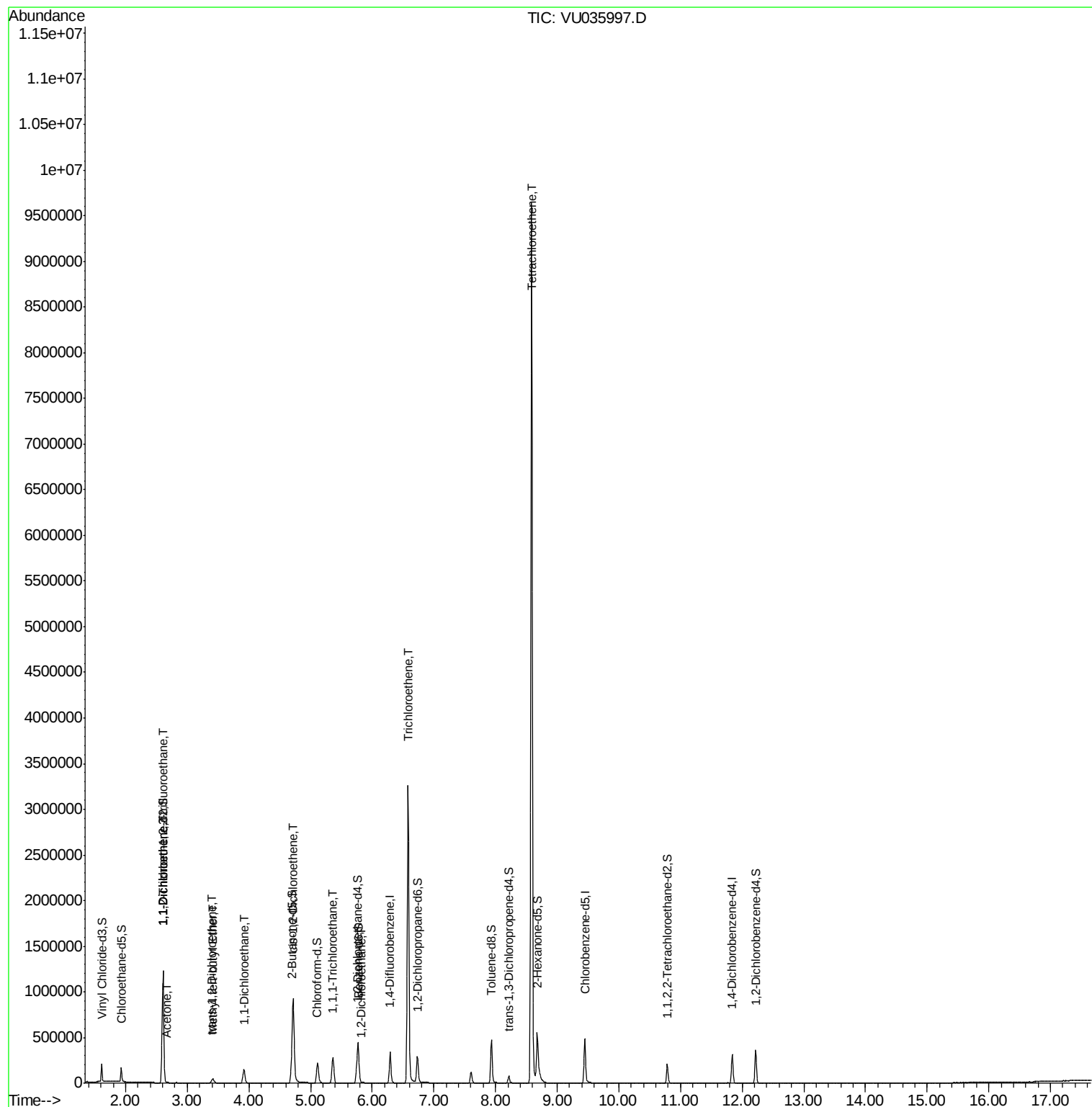
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	38780	1.806	ug/L	96
12) 1,1-Dichloroethene	2.61	96	360263	17.998	ug/L #	71
13) Acetone	2.68	43	6325	1.241	ug/L	89
17) Methyl tert-butyl Ether	3.42	73	41953	0.895	ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	6552	0.309	ug/L #	72
19) 1,1-Dichloroethane	3.92	63	174619	4.214	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	470505	21.011	ug/L	89
27) 1,2-Dichloroethane	5.84	62	3809	0.143	ug/L #	83
29) 1,1,1-Trichloroethane	5.36	97	207140	5.566	ug/L	98
34) Trichloroethene	6.58	95	1141813	46.661	ug/L	96
47) Tetrachloroethene	8.58	164	2253914	113.326	ug/L	96

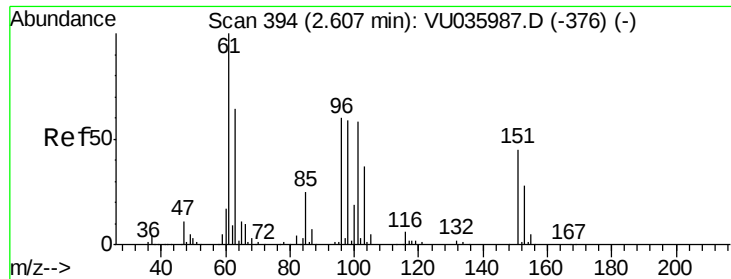
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 06 00:57:26 2019
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.806 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035997.D

Acq: 05 Dec 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

BFE32

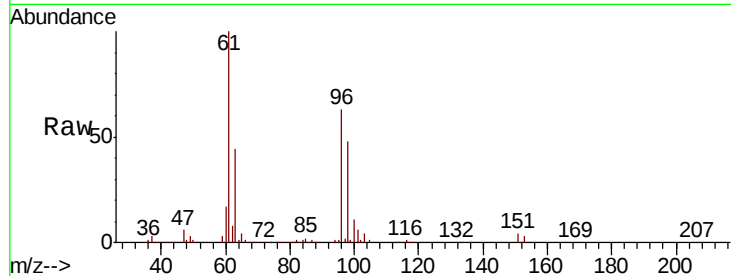
Tot Ion:101 Resp: 38780

Ion Ratio Lower Upper

101 100

85 41.9 35.5 53.3

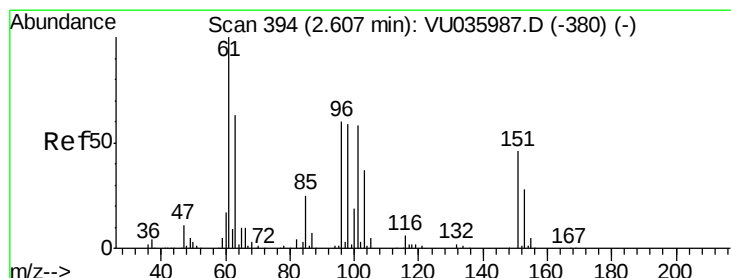
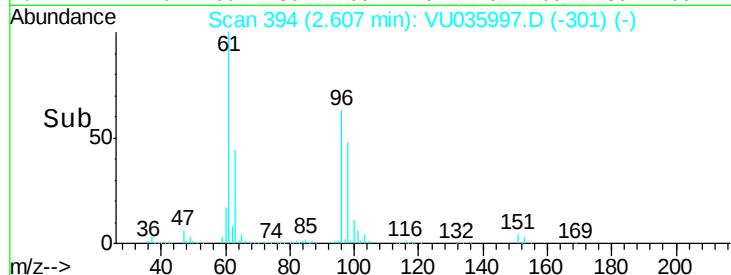
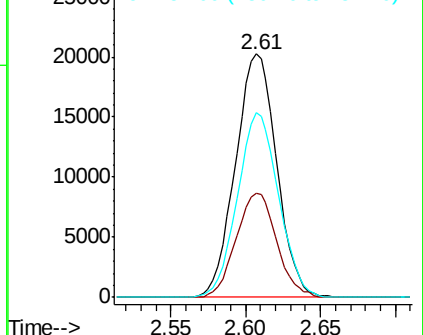
151 75.8 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 17.998 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035997.D

Acq: 05 Dec 2019 16:22

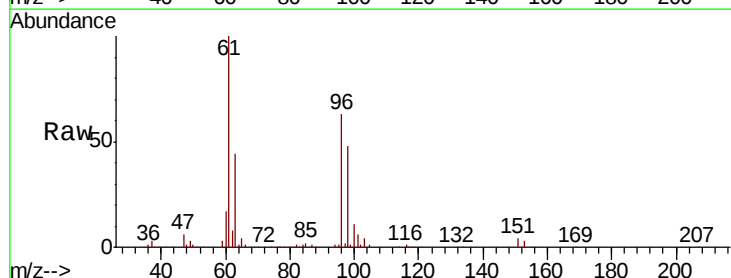
Tgt Ion: 96 Resp: 360263

Ion Ratio Lower Upper

96 100

61 157.6 127.1 236.1

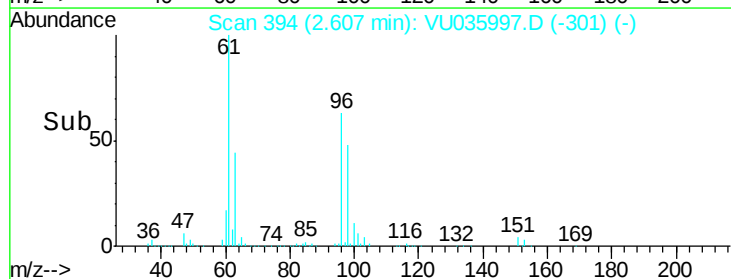
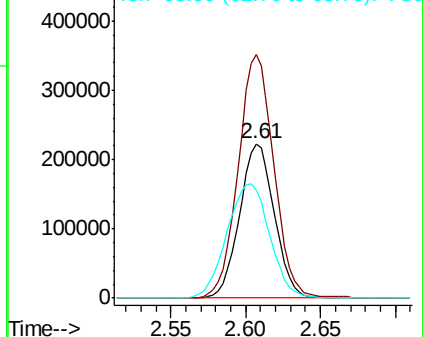
63 69.9 86.0 159.8#

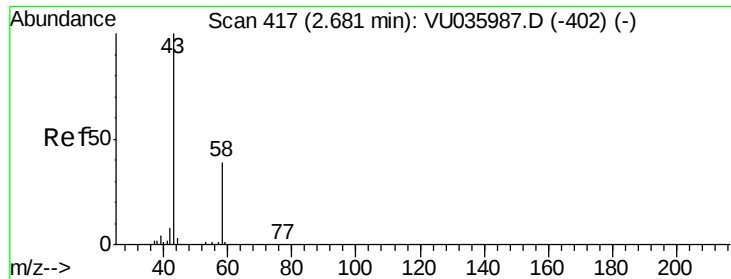


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.241 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU035997.D

Acq: 05 Dec 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

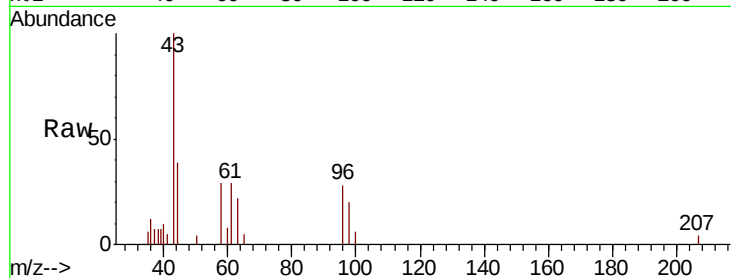
BFE32

Tot Ion: 43 Resp: 6325

Ion Ratio Lower Upper

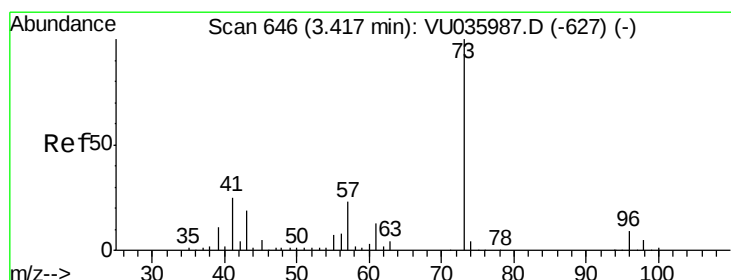
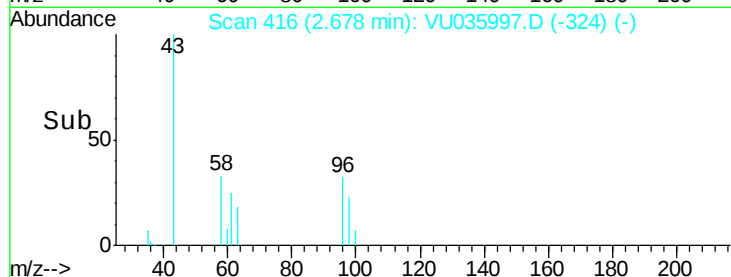
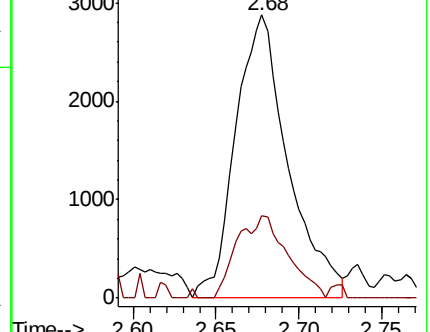
43 100

58 27.9 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035997.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU035997.D (-324) (-)



#17

Methyl tert-butyl Ether

Concen: 0.895 ug/L

RT: 3.42 min Scan# 646

Delta R.T. 0.00 min

Lab File: VU035997.D

Acq: 05 Dec 2019 16:22

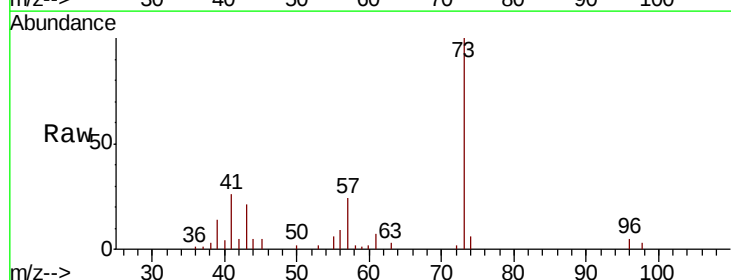
Tgt Ion: 73 Resp: 41953

Ion Ratio Lower Upper

73 100

43 21.9 15.9 23.9

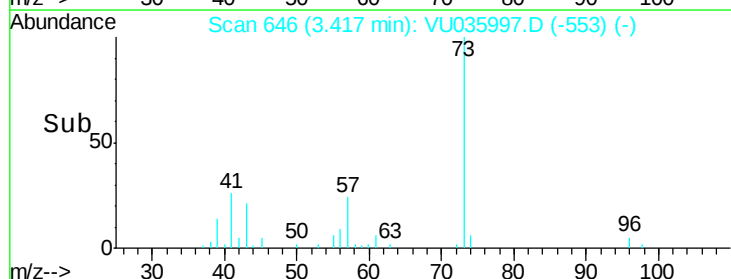
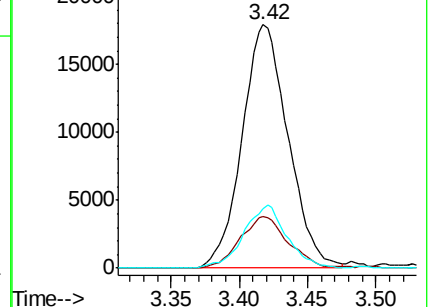
57 24.3 18.8 28.2

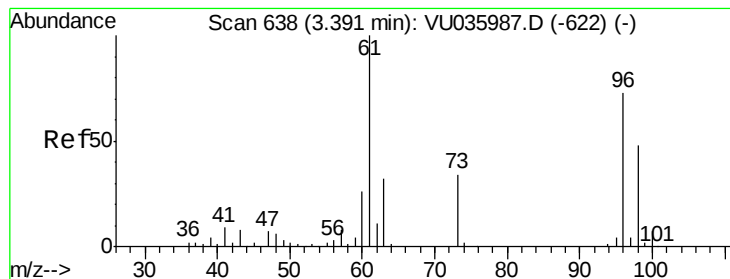


Abundance Ion 73.10 (72.80 to 73.80): VU035997.D (-553) (-)

Ion 43.05 (42.75 to 43.75): VU035997.D (-553) (-)

Ion 57.10 (56.80 to 57.80): VU035997.D (-553) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.309 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035997.D

Acq: 05 Dec 2019 16:22

Instrument :

MSVOA_U

ClientSampled :

BFE32

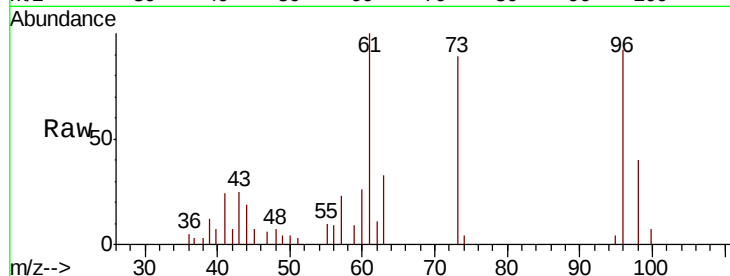
Tot Ion: 96 Resp: 6552

Ion Ratio Lower Upper

96 100

61 109.1 101.2 187.8

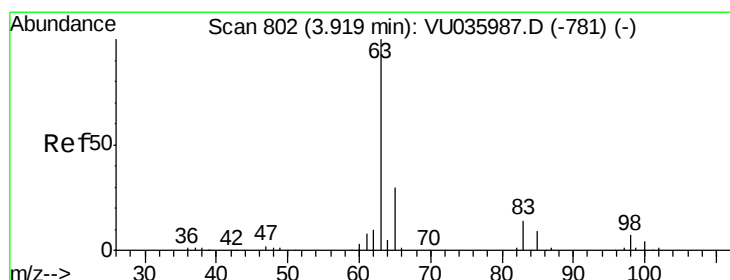
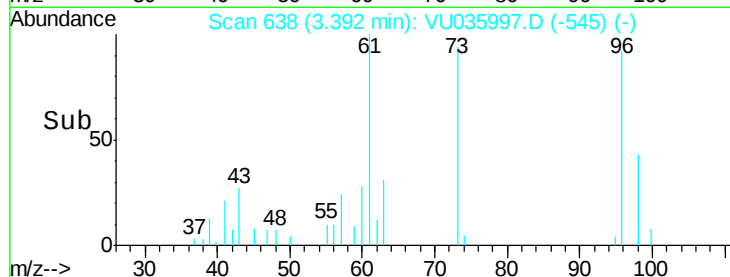
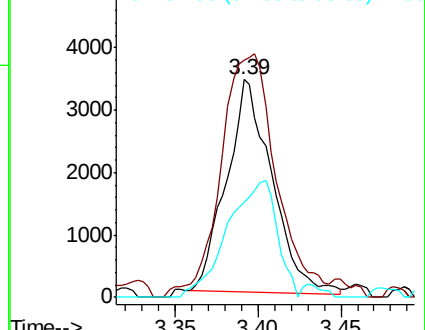
98 43.9 45.0 83.6#



Abundance Ion 96.00 (95.70 to 96.70): VU035997.D (-622) (-)

Ion 61.05 (60.75 to 61.75): VU035997.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU035997.D (-622) (-)



#19

1,1-Dichloroethane

Concen: 4.214 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035997.D

Acq: 05 Dec 2019 16:22

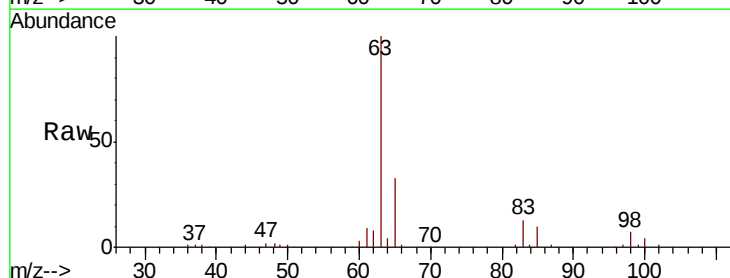
Tgt Ion: 63 Resp: 174619

Ion Ratio Lower Upper

63 100

65 33.2 22.4 41.6

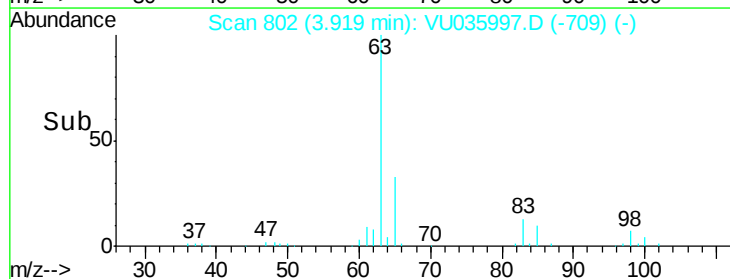
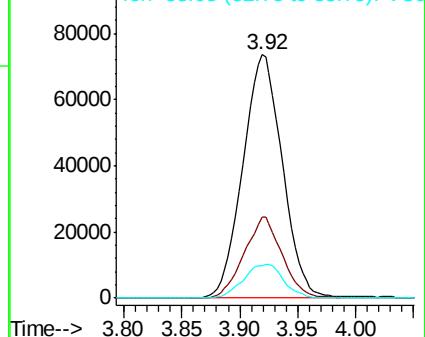
83 13.5 9.8 18.2

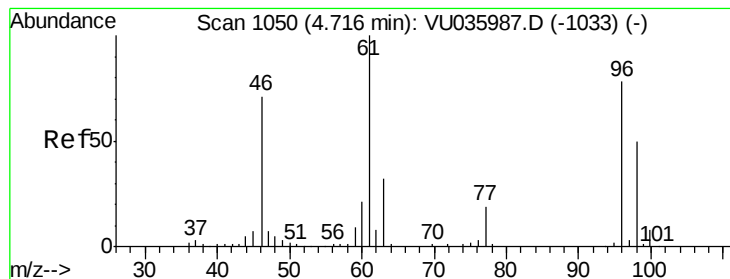


Abundance Ion 63.10 (62.80 to 63.80): VU035997.D (-781) (-)

Ion 65.10 (64.80 to 65.80): VU035997.D (-781) (-)

Ion 83.05 (82.75 to 83.75): VU035997.D (-781) (-)





#22

cis-1,2-Dichloroethene

Concen: 21.011 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035997.D

Acq: 05 Dec 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

BFE32

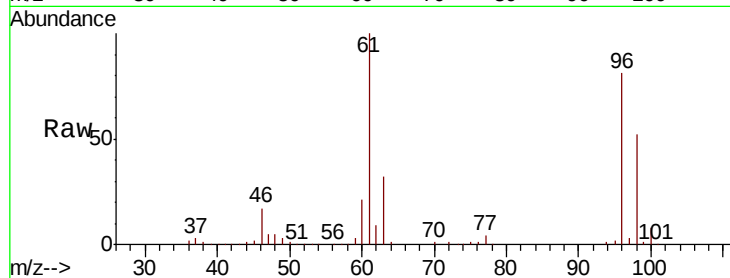
Tot Ion: 96 Resp: 470505

Ion Ratio Lower Upper

96 100

61 123.1 95.7 177.7

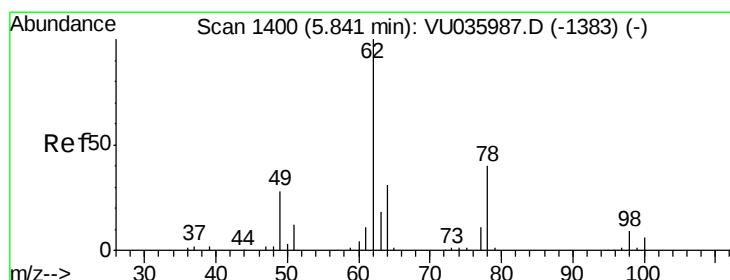
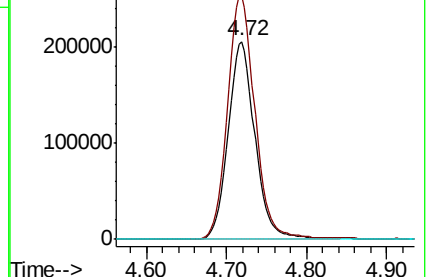
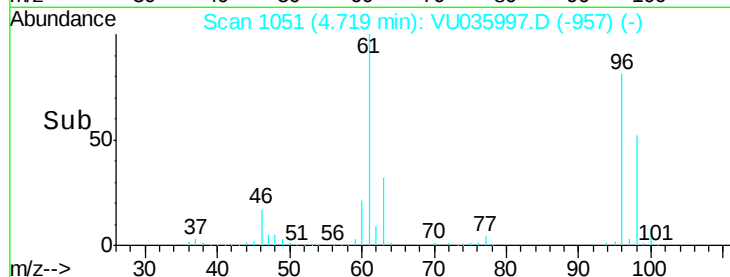
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035997.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035997.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035997.D (-957) (-)



#27

1,2-Dichloroethane

Concen: 0.143 ug/L

RT: 5.84 min Scan# 1399

Delta R.T. -0.00 min

Lab File: VU035997.D

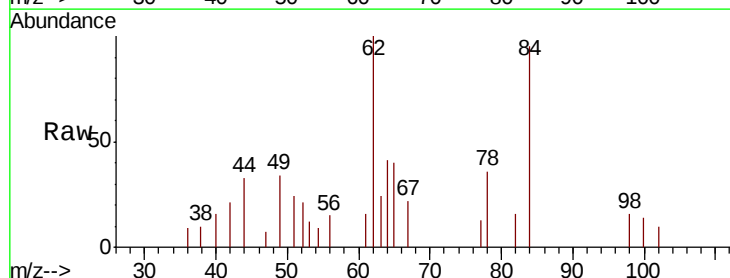
Acq: 05 Dec 2019 16:22

Tgt Ion: 62 Resp: 3809

Ion Ratio Lower Upper

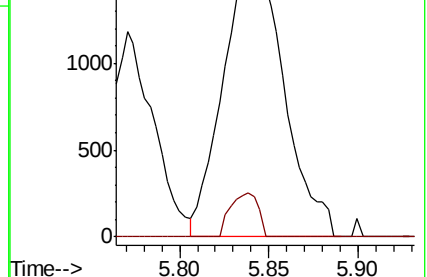
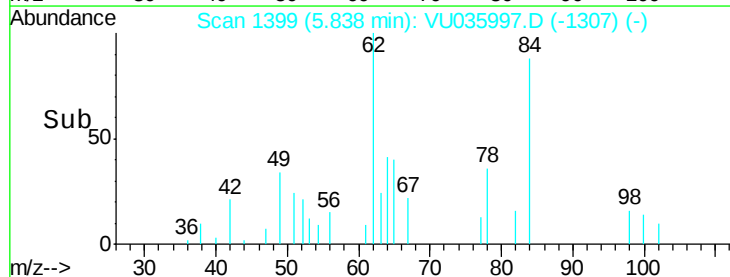
62 100

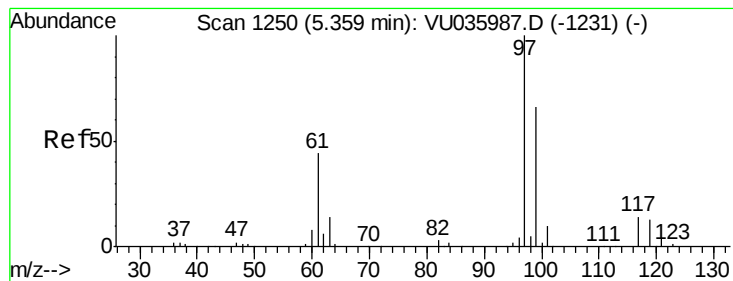
98 15.6 7.6 11.4#



Abundance Ion 62.00 (61.70 to 62.70): VU035997.D (-1307) (-)

Ion 98.05 (97.75 to 98.75): VU035997.D (-1307) (-)





#29

1,1,1-Trichloroethane

Concen: 5.566 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU035997.D

Acq: 05 Dec 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

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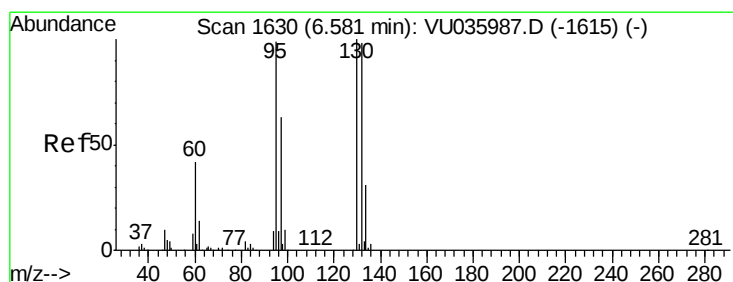
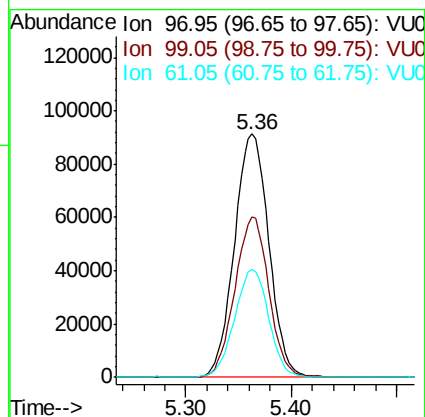
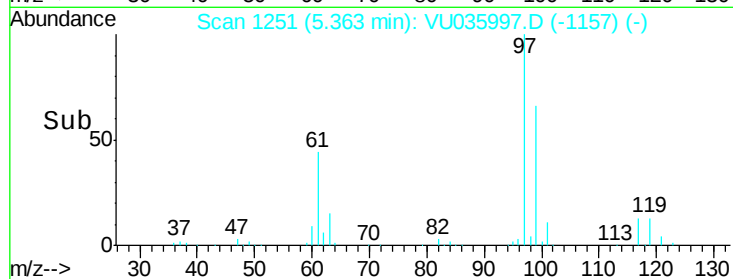
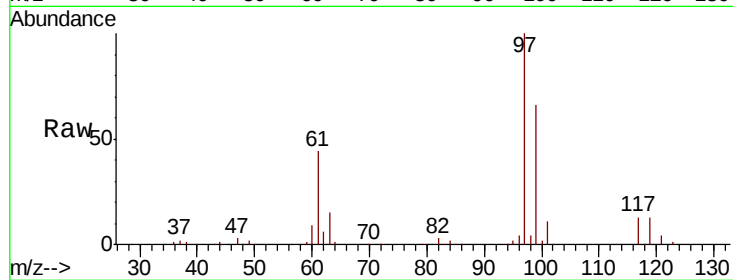
Tot Ion: 97 Resp: 207140

Ion Ratio Lower Upper

97 100

99 65.1 51.8 77.8

61 44.2 37.6 56.4



#34

Trichloroethene

Concen: 46.661 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035997.D

Acq: 05 Dec 2019 16:22

Tgt Ion: 95 Resp: 1141813

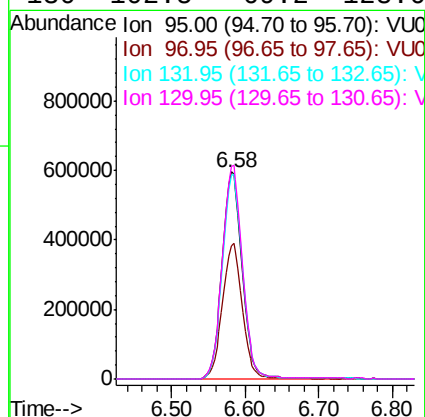
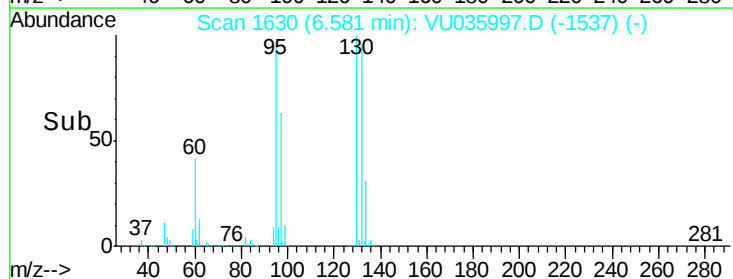
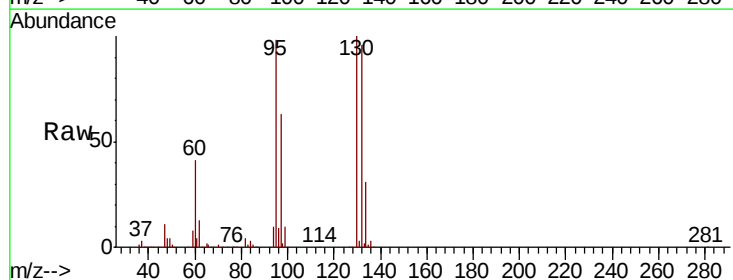
Ion Ratio Lower Upper

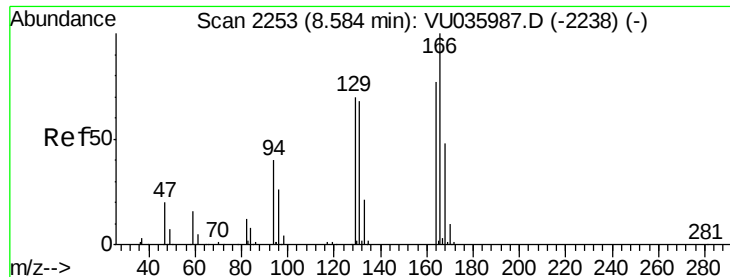
95 100

97 64.3 46.3 85.9

132 98.6 65.7 122.1

130 102.5 69.2 128.6





#47

Tetrachloroethene

Concen: 113.326 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035997.D

Acq: 05 Dec 2019 16:22

Instrument :

MSVOA_U

ClientSampleId :

BFE32

Tot Ion:164 Resp: 2253914

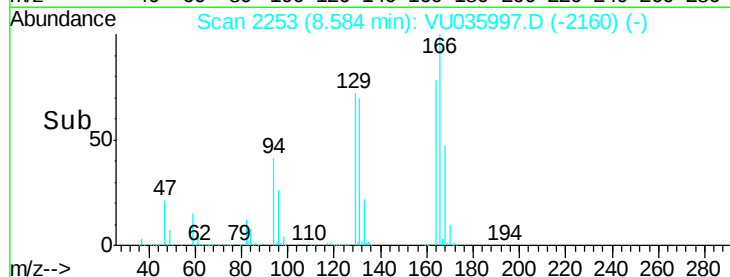
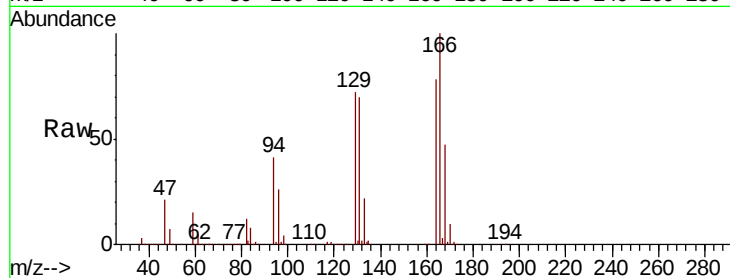
Ion Ratio Lower Upper

164 100

129 91.4 67.9 126.1

131 89.8 64.1 119.1

166 127.6 92.6 172.0



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

