

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036081.D
 Acq On : 10 Dec 2019 13:50
 Operator : JC/MD
 Sample : K6168-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE39

Quant Time: Dec 11 07:17:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 06:27:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	295768	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	333577	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	89067	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	133962	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.93	69	128102	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.59	63	162180	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.68	46	230217	51.25	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.50%
24) Chloroform-d	5.11	84	197959	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.75	65	110822	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.77	84	419939	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.73	67	135932	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.93	98	345740	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.21	79	47495	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.70	63	210354	54.78	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.56%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	117339	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	92146	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

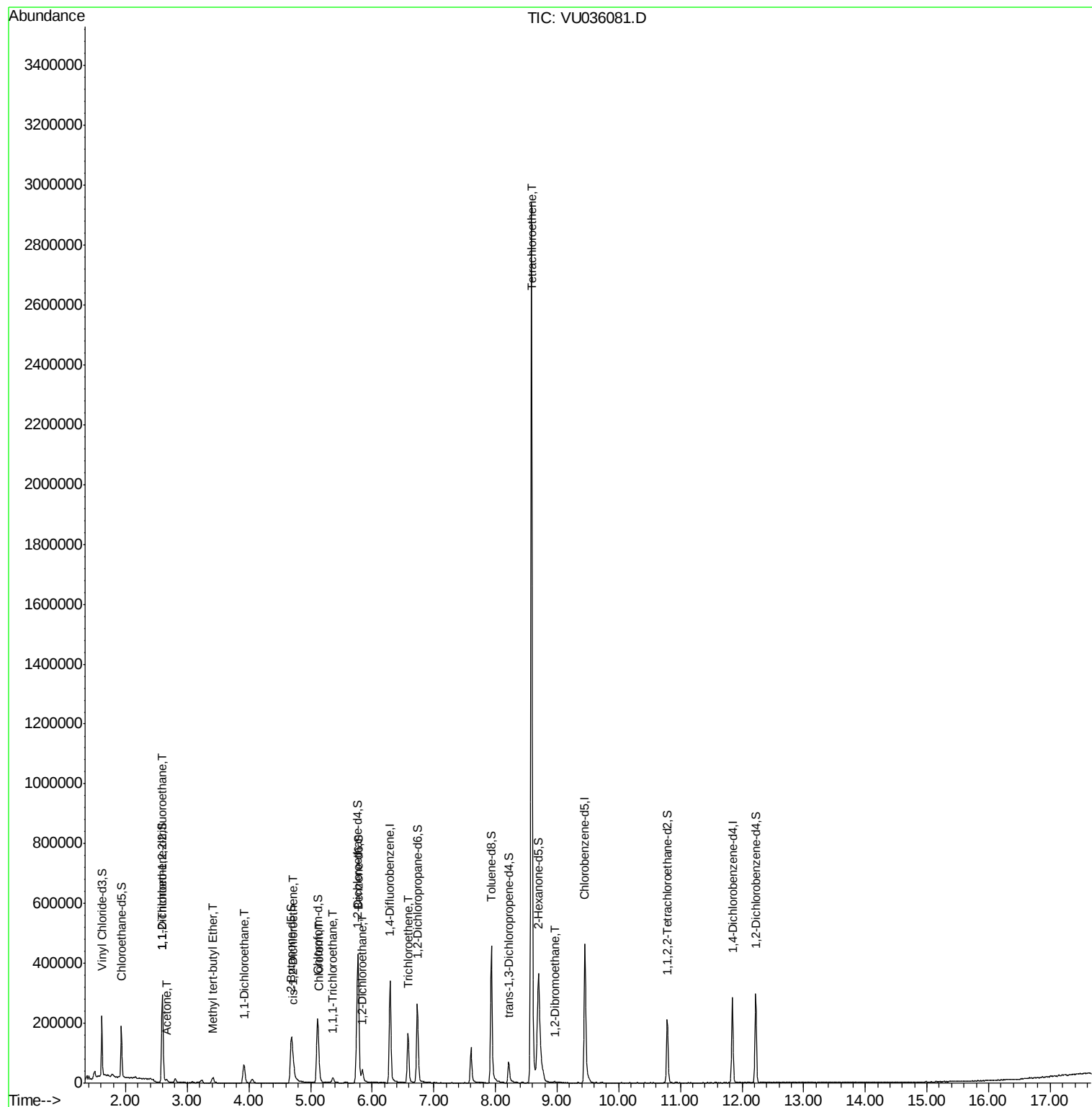
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4239	0.148	ug/L #	61
13) Acetone	2.67	43	9980	1.750	ug/L	92
17) Methyl tert-butyl Ether	3.42	73	18574	0.419	ug/L	98
19) 1,1-Dichloroethane	3.92	63	72282	1.834	ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	21865	0.949	ug/L	99
25) Chloroform	5.14	83	40741	0.927	ug/L	94
27) 1,2-Dichloroethane	5.84	62	29832	1.149	ug/L	99
29) 1,1,1-Trichloroethane	5.37	97	11591	0.308	ug/L	97
34) Trichloroethene	6.58	95	57676	2.383	ug/L	97
47) Tetrachloroethene	8.58	164	746800	32.450	ug/L	99
50) 1,2-Dibromoethane	8.96	107	3280	0.188	ug/L #	95

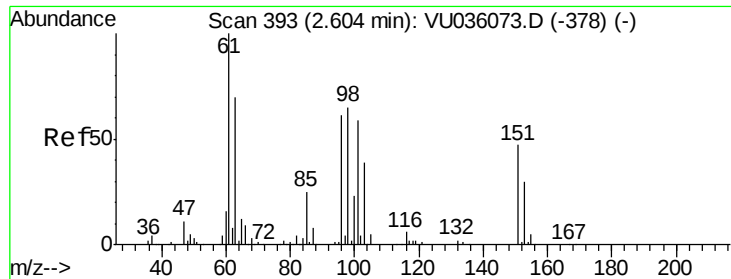
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.148 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036081.D

Acq: 10 Dec 2019 13:50

Instrument :

MSVOA_U

ClientSampled :

BFE39

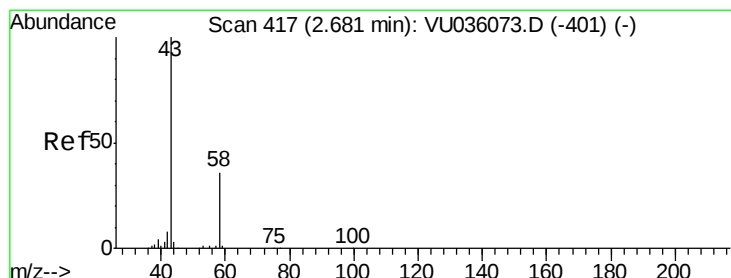
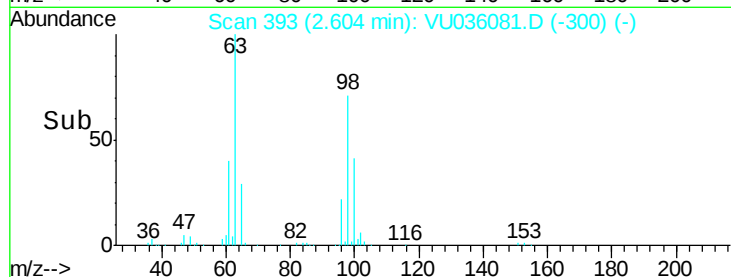
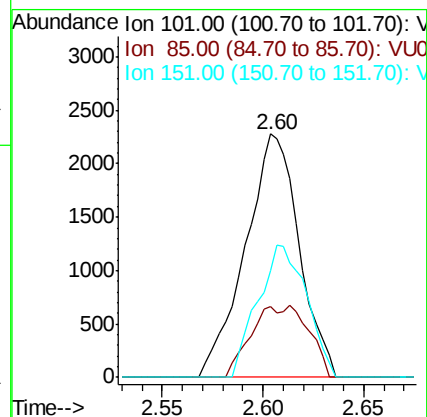
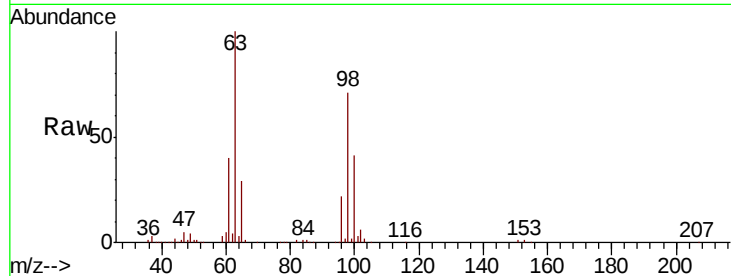
Tot Ion:101 Resp: 4239

Ion Ratio Lower Upper

101 100

85 15.9 33.1 49.7#

151 49.1 66.5 99.7#



#13

Acetone

Concen: 1.750 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU036081.D

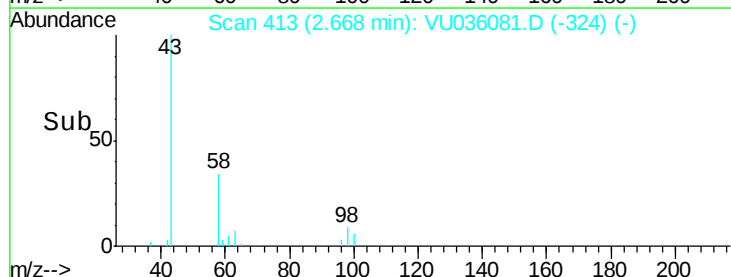
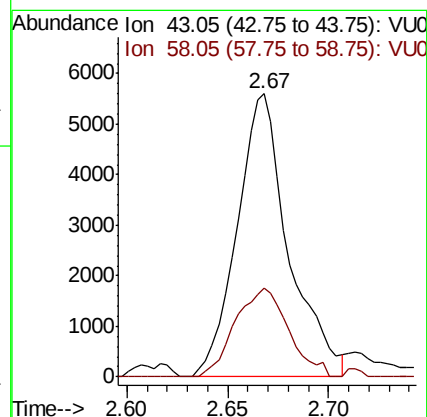
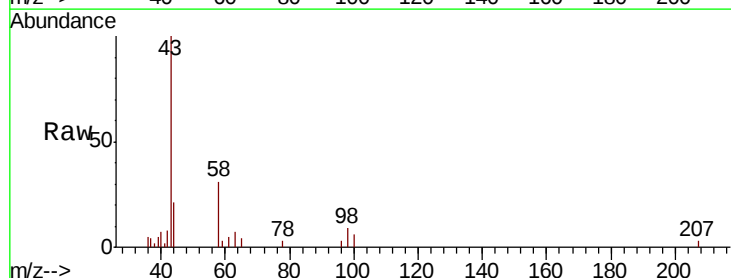
Acq: 10 Dec 2019 13:50

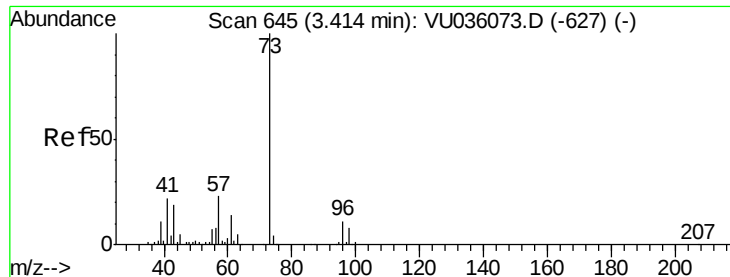
Tgt Ion: 43 Resp: 9980

Ion Ratio Lower Upper

43 100

58 32.5 0.0 74.2

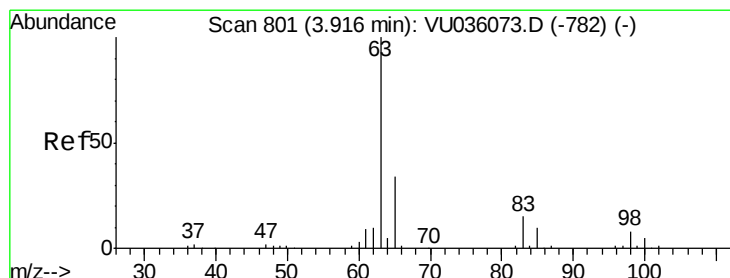
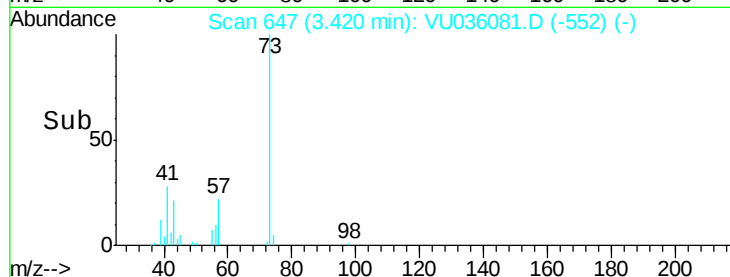
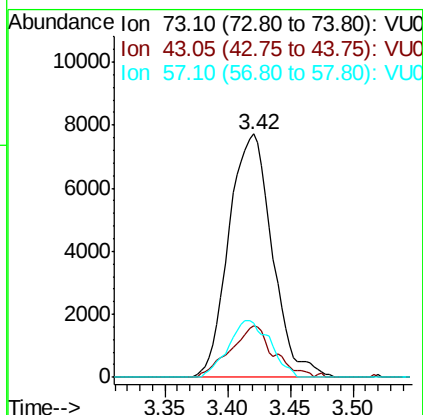
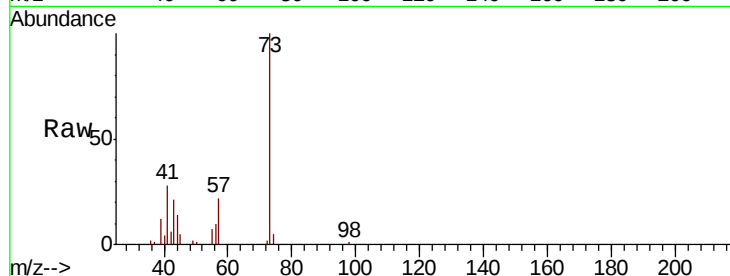




#17
Methvl tert-butvl Ether
Concen: 0.419 ug/L
RT: 3.42 min Scan# 647
Delta R.T. 0.01 min
Lab File: VU036081.D
Acq: 10 Dec 2019 13:50

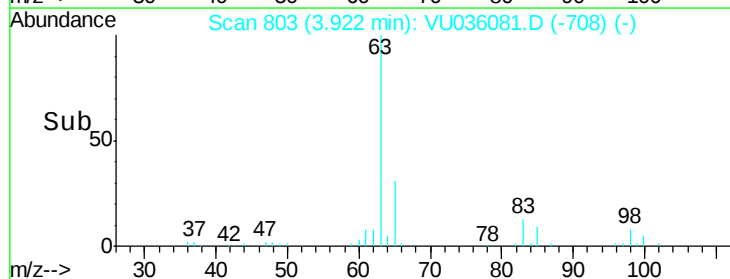
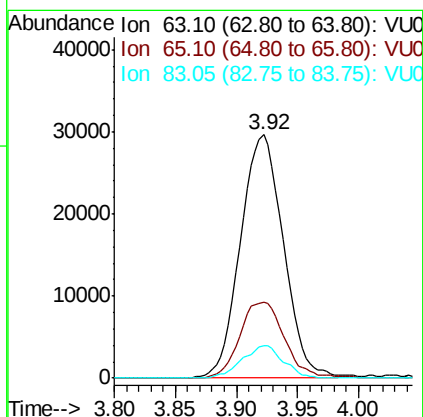
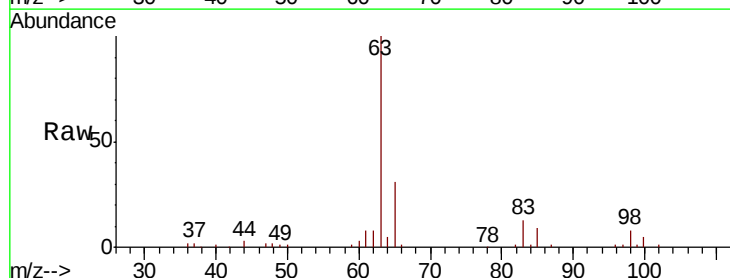
Instrument :
MSVOA_U
ClientSampleId :
BFE39

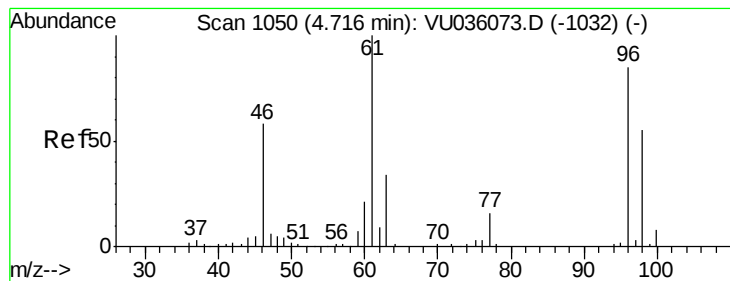
Tot Ion: 73 Resp: 18574
Ion Ratio Lower Upper
73 100
43 21.1 15.6 23.4
57 22.5 17.4 26.2



#19
1,1-Dichloroethane
Concen: 1.834 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.01 min
Lab File: VU036081.D
Acq: 10 Dec 2019 13:50

Tgt Ion: 63 Resp: 72282
Ion Ratio Lower Upper
63 100
65 31.0 21.8 40.4
83 13.5 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 0.949 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU036081.D

Acq: 10 Dec 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

BFE39

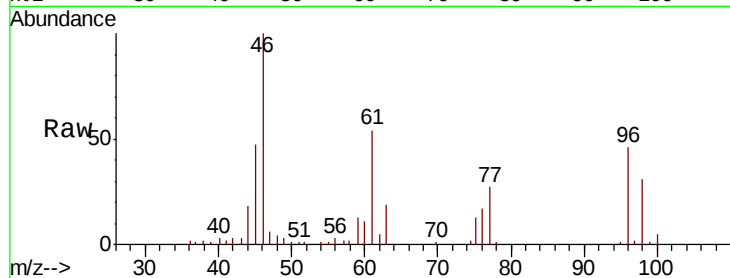
Tot Ion: 96 Resp: 21865

Ion Ratio Lower Upper

96 100

61 117.8 83.0 154.2

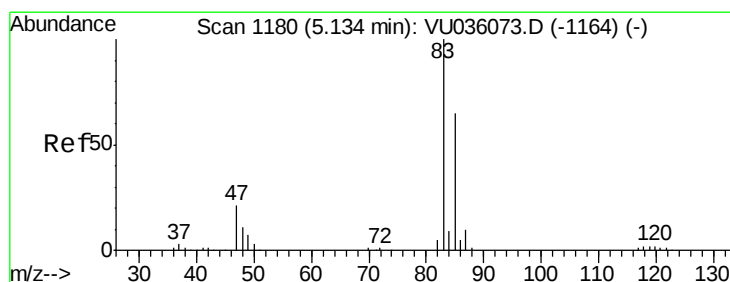
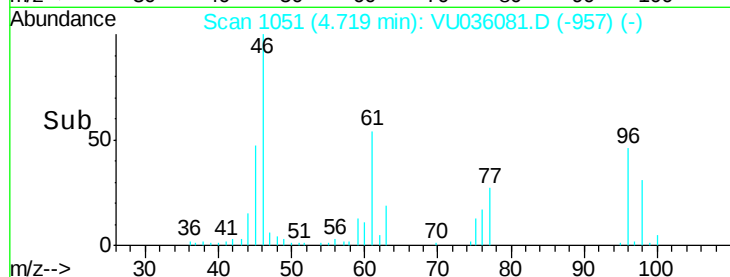
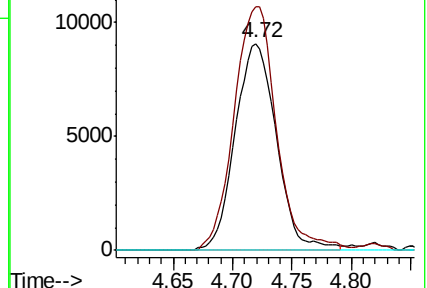
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036081.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036081.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036081.D (-957) (-)



#25

Chloroform

Concen: 0.927 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU036081.D

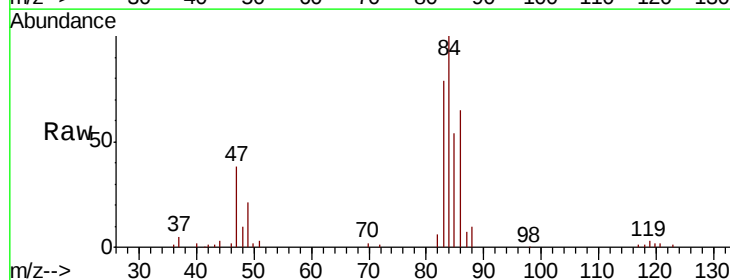
Acq: 10 Dec 2019 13:50

Tgt Ion: 83 Resp: 40741

Ion Ratio Lower Upper

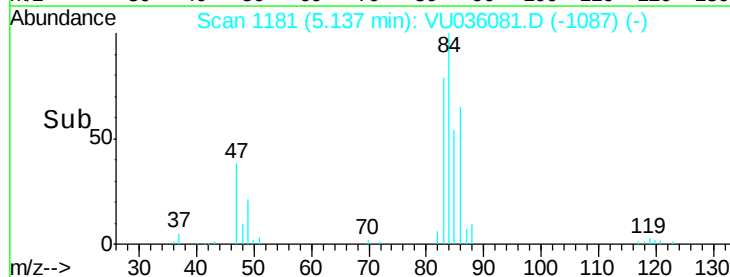
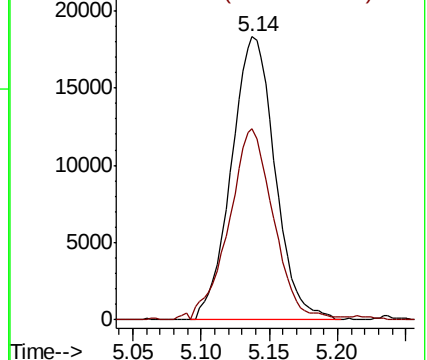
83 100

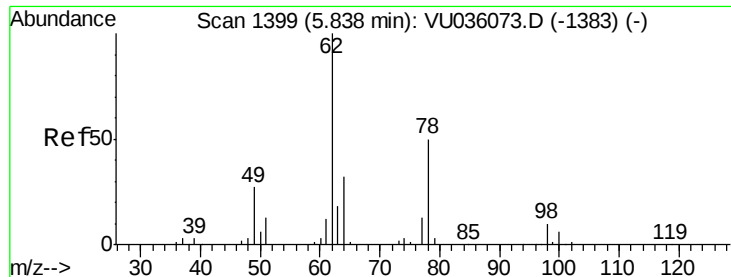
85 67.5 43.9 81.5



Abundance Ion 83.05 (82.75 to 83.75): VU036081.D (-1087) (-)

Ion 85.00 (84.70 to 85.70): VU036081.D (-1087) (-)

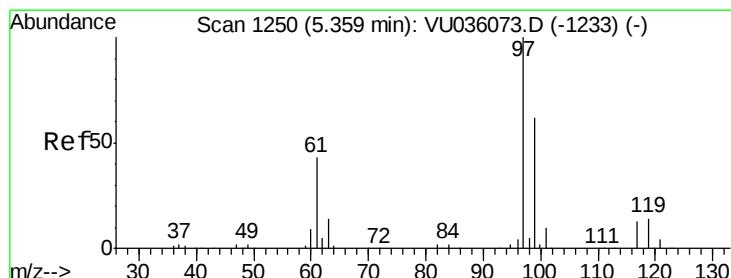
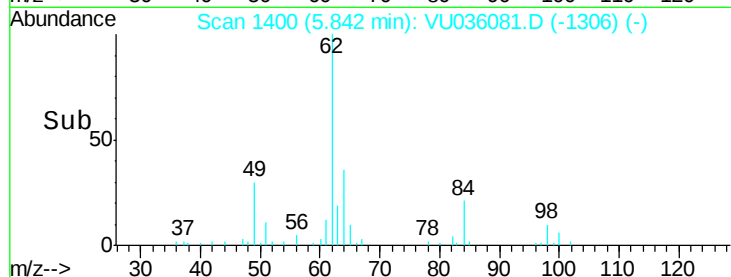
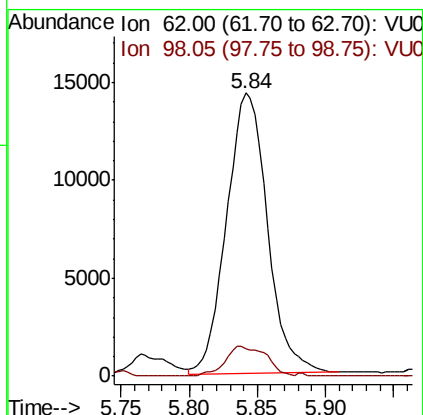
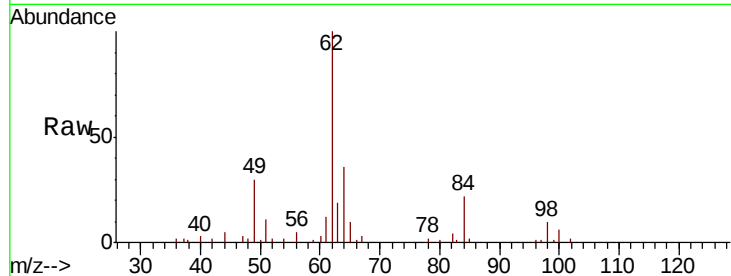




#27
 1,2-Dichloroethane
 Concen: 1.149 ug/L
 RT: 5.84 min Scan# 1400
 Delta R.T. 0.00 min
 Lab File: VU036081.D
 Acq: 10 Dec 2019 13:50

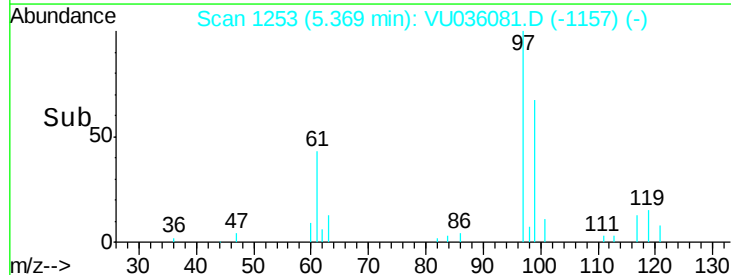
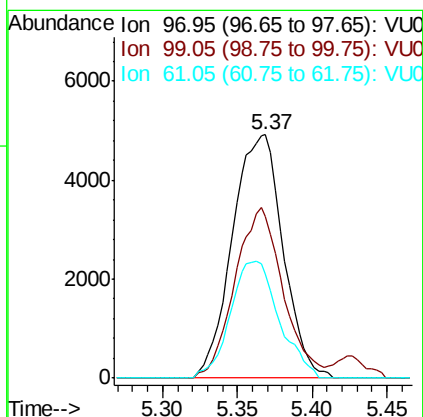
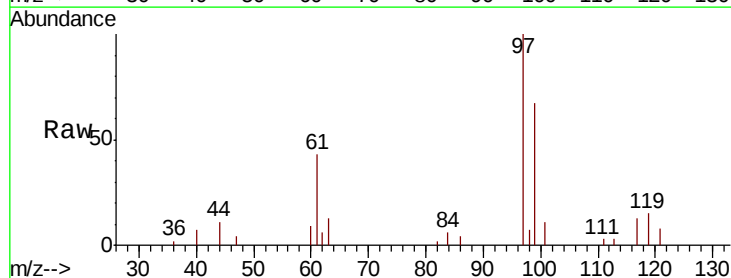
Instrument :
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 ClientSampleId :
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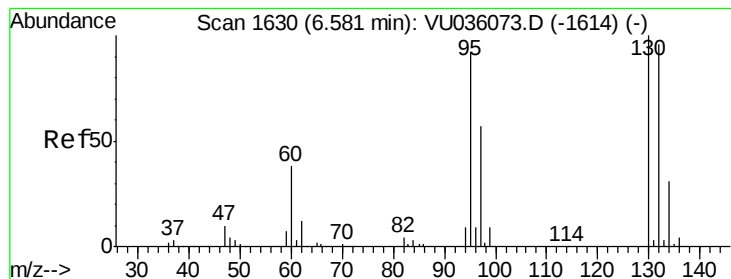
Tot Ion: 62 Resp: 29832
 Ion Ratio Lower Upper
 62 100
 98 9.8 8.2 12.2



#29
 1,1,1-Trichloroethane
 Concen: 0.308 ug/L
 RT: 5.37 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VU036081.D
 Acq: 10 Dec 2019 13:50

Tgt Ion: 97 Resp: 11591
 Ion Ratio Lower Upper
 97 100
 99 66.4 52.2 78.2
 61 46.0 34.7 52.1





#34

Trichloroethene

Concen: 2.383 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU036081.D

Acq: 10 Dec 2019 13:50

Instrument :

MSVOA_U

ClientSampleId :

BFE39

Tot Ion: 95 Resp: 57676

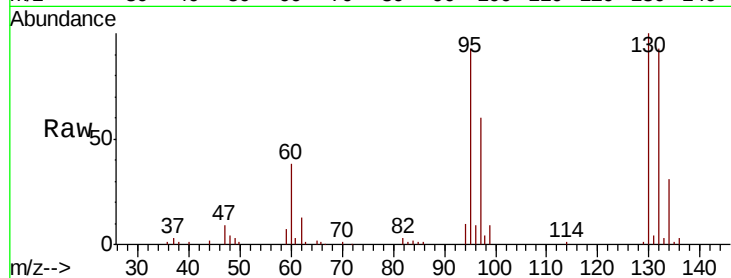
Ion Ratio Lower Upper

95 100

97 65.1 44.4 82.4

132 100.2 73.4 136.4

130 107.7 75.9 141.1



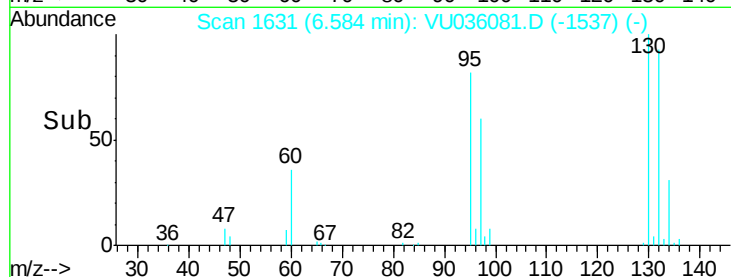
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



Abundance

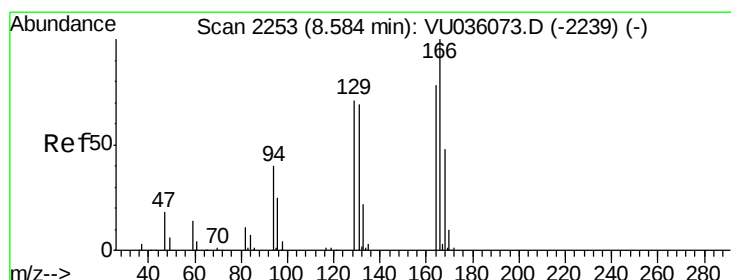
Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



#47

Tetrachloroethene

Concen: 32.450 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036081.D

Acq: 10 Dec 2019 13:50

Tgt Ion:164 Resp: 746800

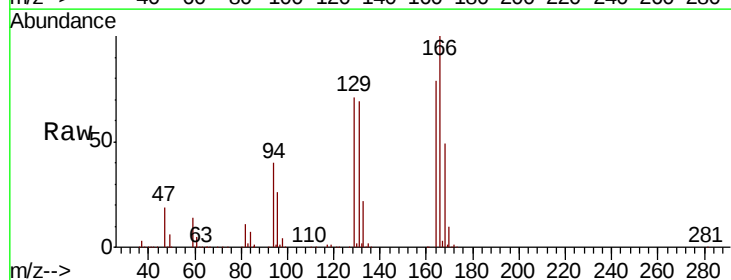
Ion Ratio Lower Upper

164 100

129 89.9 63.1 117.3

131 88.2 61.5 114.1

166 127.1 91.0 169.0



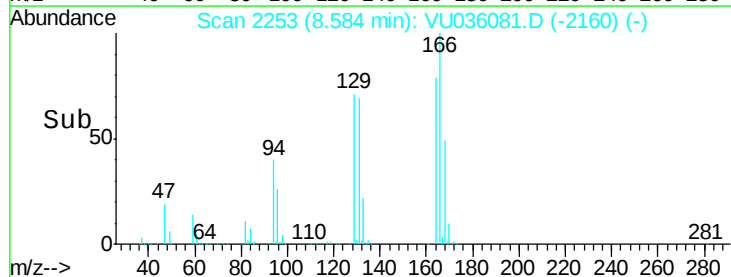
Abundance Ion 163.90 (163.60 to 164.60): V

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

Time-->



Abundance

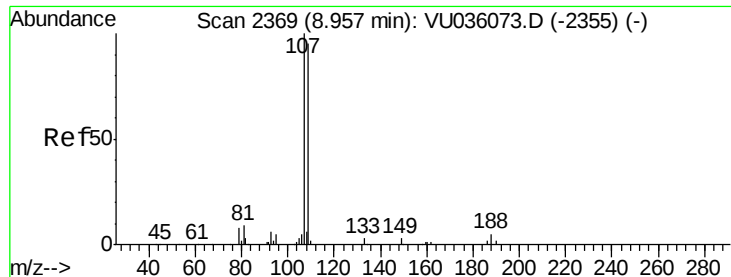
Ion 163.90 (163.60 to 164.60): V

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

Time-->



#50
 1,2-Dibromoethane
 Concen: 0.188 ug/L
 RT: 8.96 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VU036081.D
 Acq: 10 Dec 2019 13:50

Instrument :
 MSVOA_U
 ClientSampleId :
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Tot Ion:	107	Resp:	3280
Ion	Ratio	Lower	Upper
107	100		
109	95.8	64.3	119.3
188	0.0	3.6	5.4

