

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010920\
 Data File : VU036419.D
 Acq On : 09 Jan 2020 15:01
 Operator : JC/MD
 Sample : L1042-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 10 04:10:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 10 04:07:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	467124	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	444681	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	166009	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	135580	37.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.50%
7) Chloroethane-d5	1.93	69	128205	41.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.52%
11) 1,1-Dichloroethene-d2	2.59	63	223847	36.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.20%
21) 2-Butanone-d5	4.68	46	272748	100.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.62%
24) Chloroform-d	5.11	84	316589	49.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.66%
26) 1,2-Dichloroethane-d4	5.75	65	221296	52.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.08%
32) Benzene-d6	5.77	84	618959	50.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.73	67	205783	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.12%
41) Toluene-d8	7.93	98	584939	49.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.44%
43) trans-1,3-Dichloropropene-	8.21	79	104737	46.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.98%
47) 2-Hexanone-d5	8.67	63	203970	95.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.25%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	300105	47.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.32%
64) 1,2-Dichlorobenzene-d4	12.22	152	170903	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%

Target Compounds

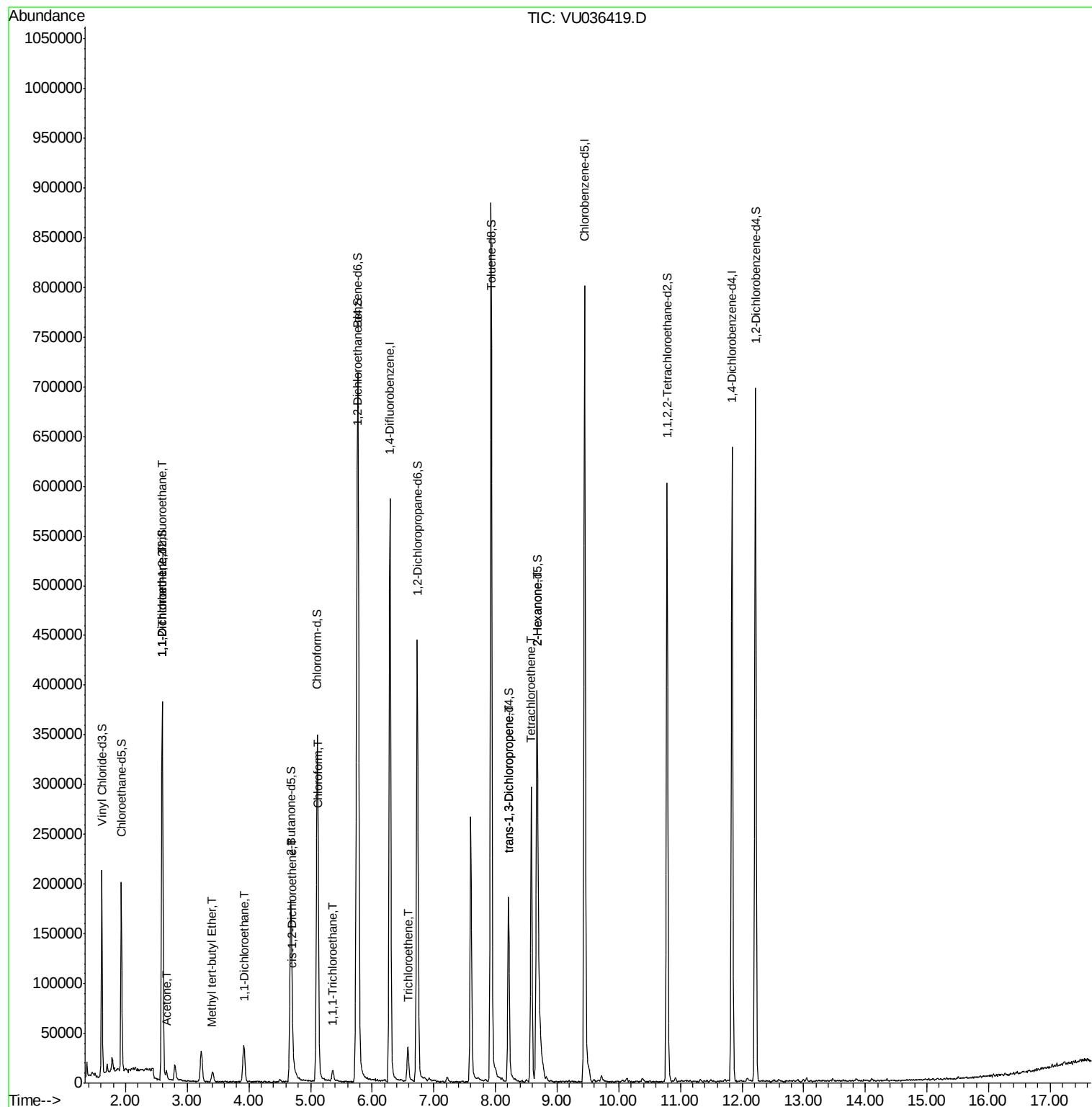
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1953	0.712	ug/L #	27
12) 1,1-Dichloroethene	2.60	96	9522	3.523	ug/L #	1
13) Acetone	2.66	43	8217	2.923	ug/L	94
18) Methyl tert-butyl Ether	3.41	73	11351	1.071	ug/L #	93
19) 1,1-Dichloroethane	3.92	63	43821	7.491	ug/L	94
20) cis-1,2-Dichloroethene	4.72	96	3337	0.945	ug/L #	97
25) Chloroform	5.13	83	7994	1.283	ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	7543	1.384	ug/L	97
34) Trichloroethene	6.58	95	10530	3.127	ug/L	90
44) trans-1,3-Dichloropropene	8.21	75	5794	1.050	ug/L #	78
46) Tetrachloroethene	8.58	164	59011	24.354	ug/L	96
48) 2-Hexanone	8.67	43	21233	4.591	ug/L #	68

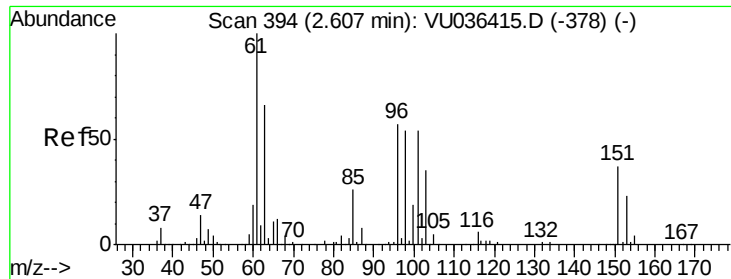
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU010920\
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ClientSampleId :

Quant Time: Jan 10 04:10:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 10 04:07:29 2020
Response via : Initial Calibration





#10

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

Concen: 0.712 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU036419.D

Acq: 09 Jan 2020 15:01

Instrument :

MSVOA_U

ClientSampled :

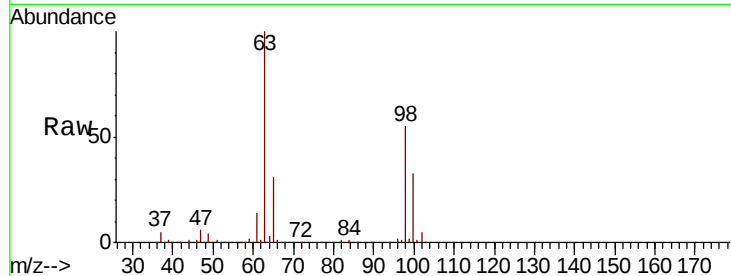
Tot Ion:101 Resp: 1953

Ion Ratio Lower Upper

101 100

85 6.5 37.1 55.7#

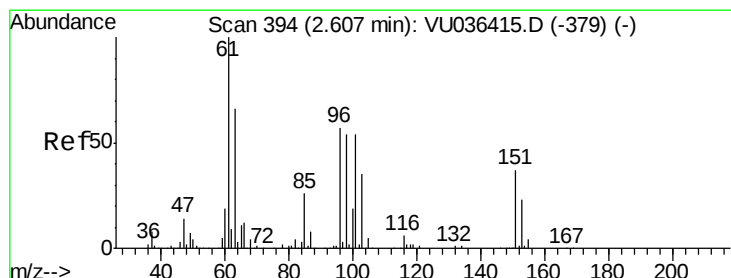
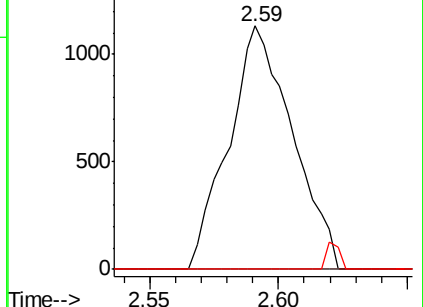
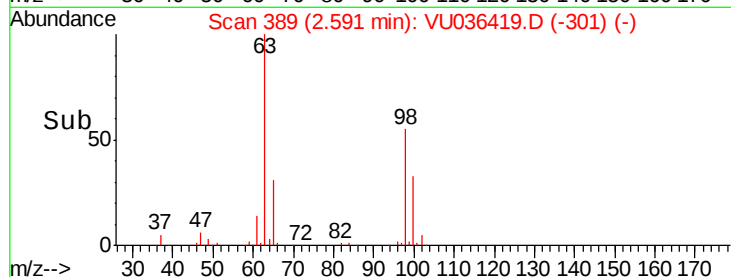
151 2.3 54.3 81.5#



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: 3.523 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036419.D

Acq: 09 Jan 2020 15:01

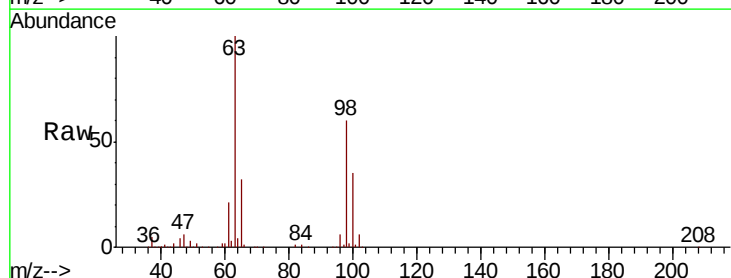
Tgt Ion: 96 Resp: 9522

Ion Ratio Lower Upper

96 100

61 362.8 120.9 224.5#

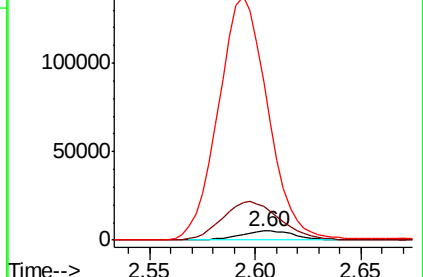
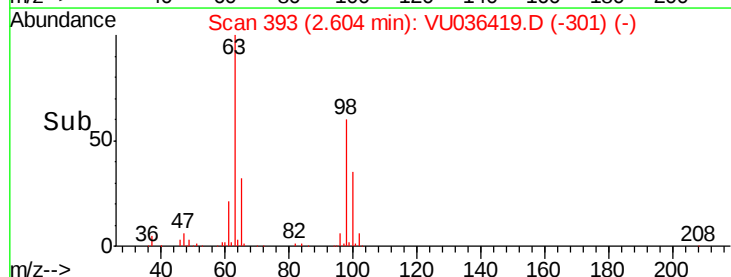
63 1727.2 81.8 152.0#

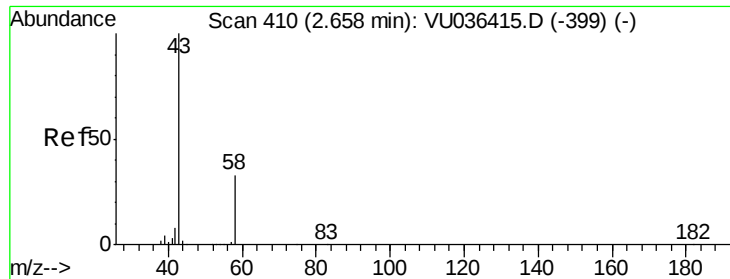


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.923 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036419.D

Acq: 09 Jan 2020 15:01

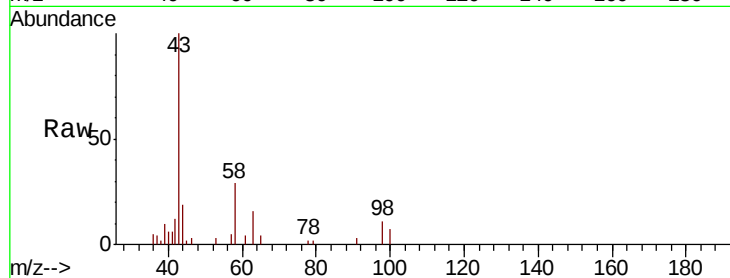
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 8217

Ion Ratio Lower Upper

43 100

58 29.8 0.0 66.2

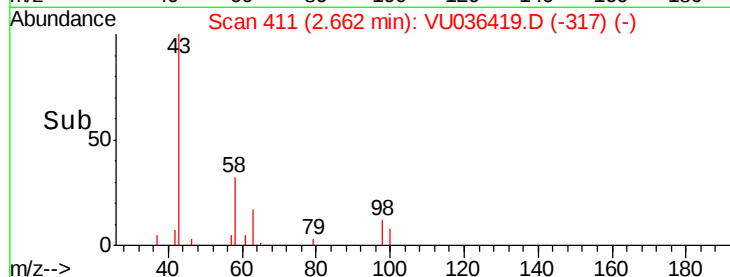


Abundance Ion 43.00 (42.70 to 43.70): VU036419.D (-399) (-)

Ion 58.00 (57.70 to 58.70): VU036419.D (-399) (-)

2.66

Time-->



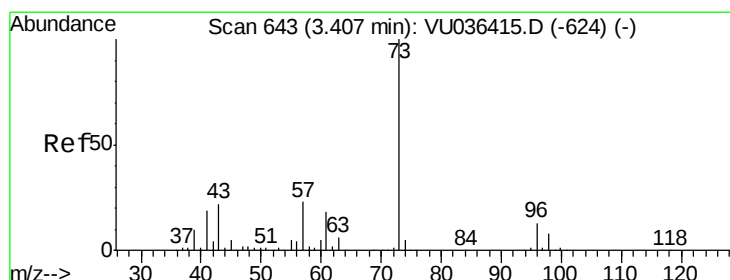
Abundance Ion 73.00 (72.70 to 73.70): VU036415.D (-624) (-)

Ion 43.00 (42.70 to 43.70): VU036419.D (-399) (-)

Ion 57.00 (56.70 to 57.70): VU036419.D (-399) (-)

3.41

Time-->



#18

Methyl tert-butyl Ether

Concen: 1.071 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.01 min

Lab File: VU036419.D

Acq: 09 Jan 2020 15:01

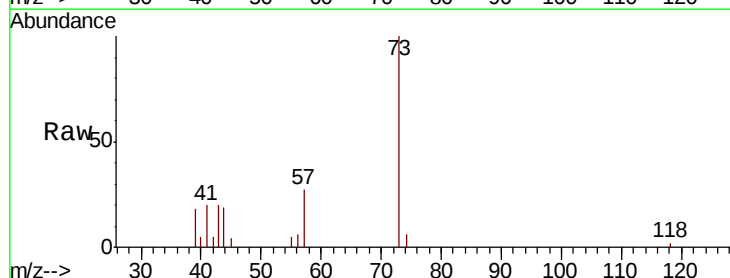
Tgt Ion: 73 Resp: 11351

Ion Ratio Lower Upper

73 100

43 14.8 16.3 24.5#

57 23.1 17.7 26.5



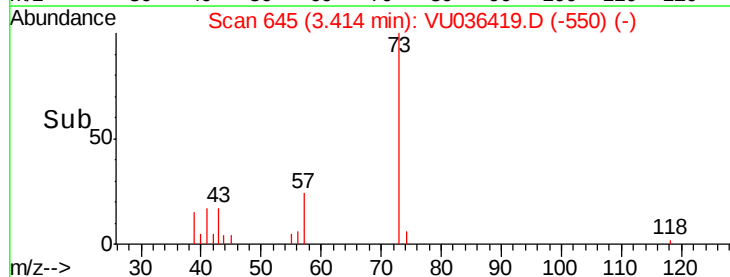
Abundance Ion 73.00 (72.70 to 73.70): VU036415.D (-624) (-)

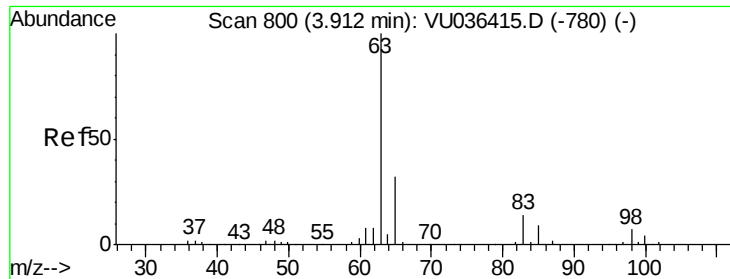
Ion 43.00 (42.70 to 43.70): VU036419.D (-399) (-)

Ion 57.00 (56.70 to 57.70): VU036419.D (-399) (-)

3.41

Time-->





#19

1,1-Dichloroethane

Concen: 7.491 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.01 min

Lab File: VU036419.D

Acq: 09 Jan 2020 15:01

Instrument :
MSVOA_U
ClientSampleId :

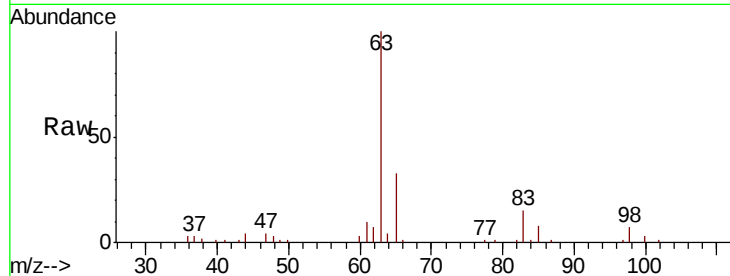
Tot Ion: 63 Resp: 43821

Ion Ratio Lower Upper

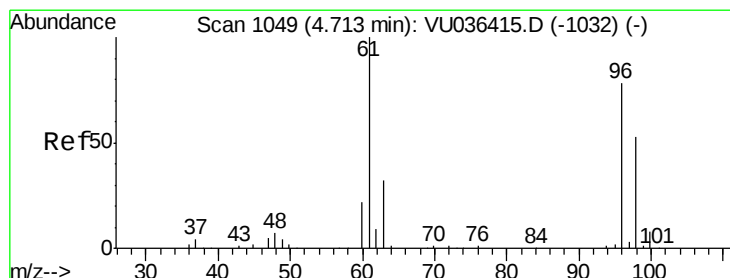
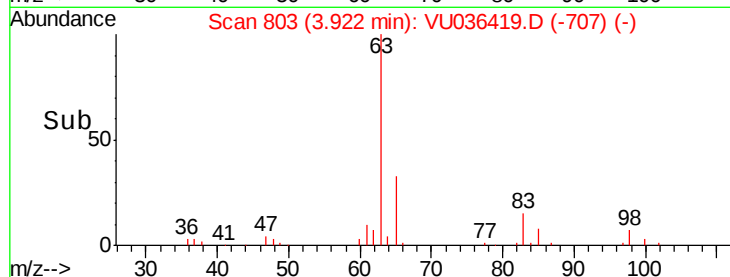
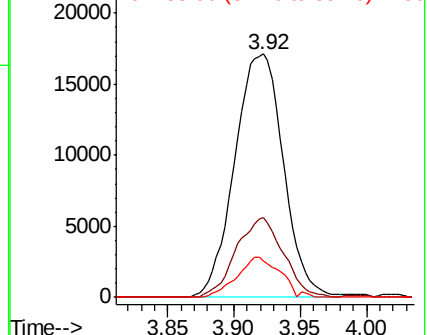
63 100

65 32.8 20.0 37.2

83 15.1 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 0.945 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036419.D

Acq: 09 Jan 2020 15:01

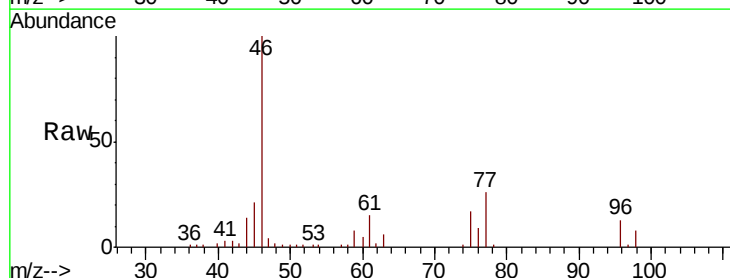
Tgt Ion: 96 Resp: 3337

Ion Ratio Lower Upper

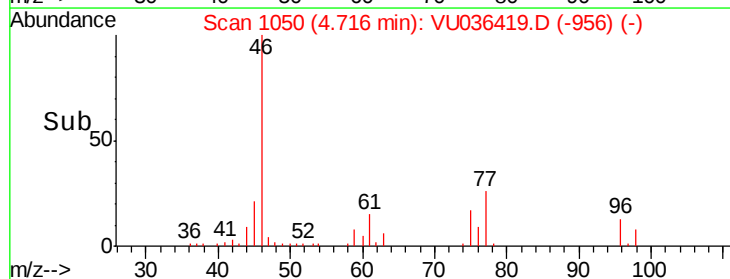
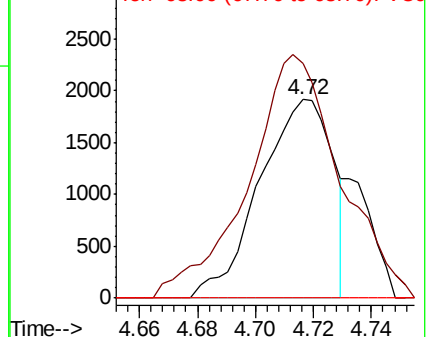
96 100

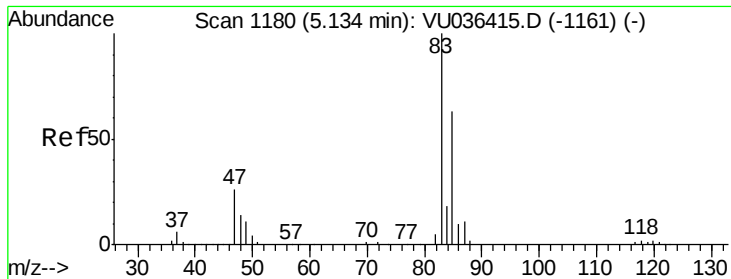
61 118.0 85.1 158.1

68 0.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0

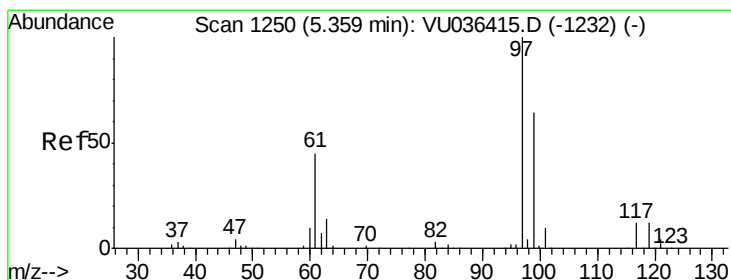
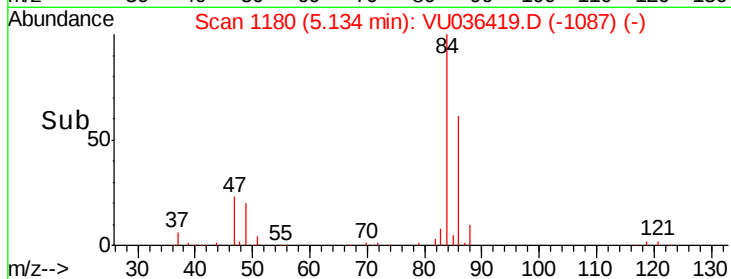
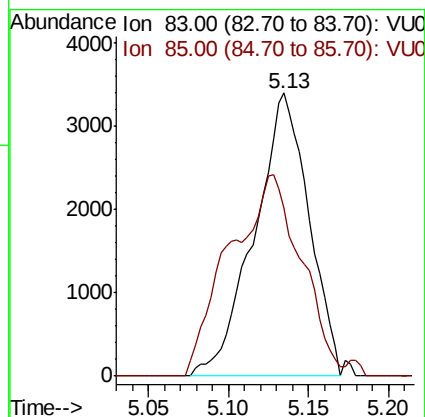
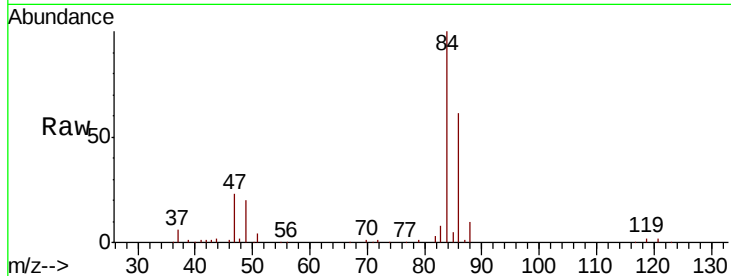




#25
Chloroform
Concen: 1.283 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036419.D
Acq: 09 Jan 2020 15:01

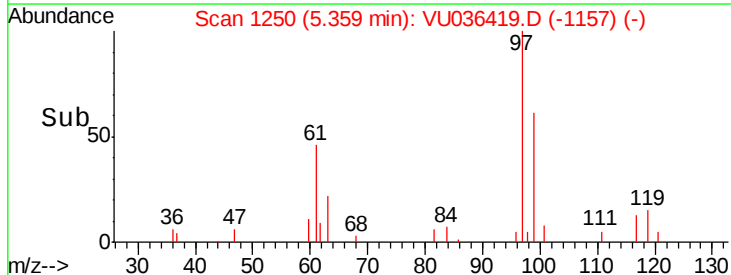
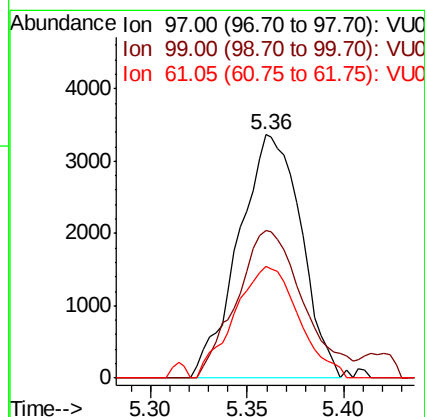
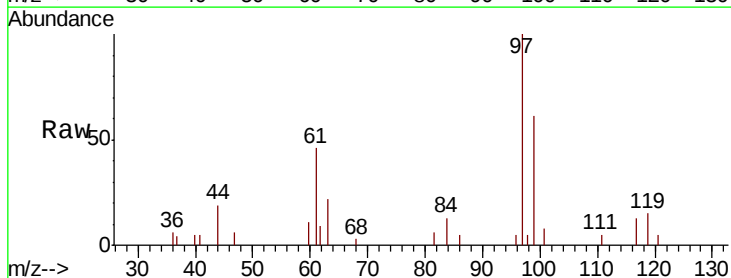
Instrument :
MSVOA_U
ClientSampleId :

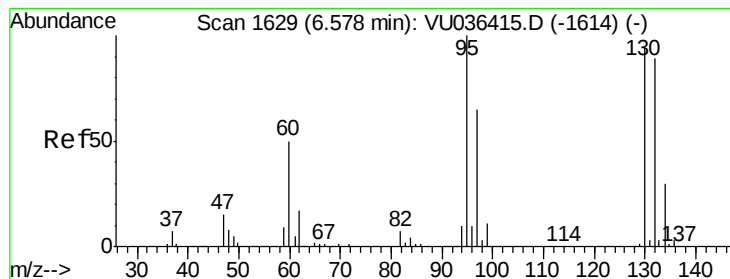
Tot Ion: 83 Resp: 7994
Ion Ratio Lower Upper
83 100
85 59.5 43.9 81.5



#30
1,1,1-Trichloroethane
Concen: 1.384 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036419.D
Acq: 09 Jan 2020 15:01

Tgt Ion: 97 Resp: 7543
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.4
61 47.4 34.7 52.1





#34

Trichloroethene

Concen: 3.127 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036419.D

Acq: 09 Jan 2020 15:01

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 10530

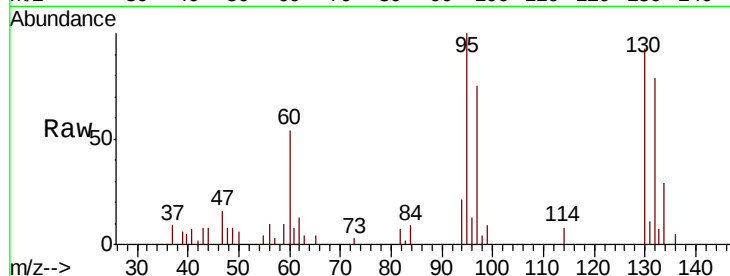
Ion Ratio Lower Upper

95 100

97 75.4 44.5 82.7

132 79.0 64.5 119.9

130 92.8 66.6 123.8

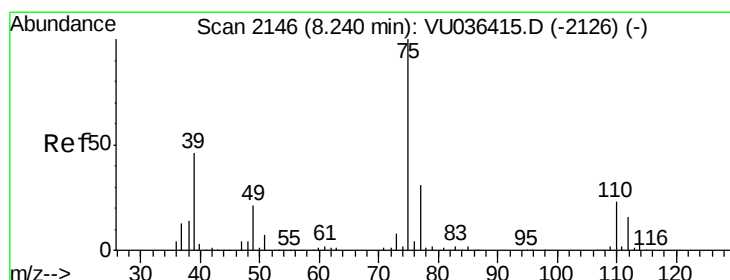
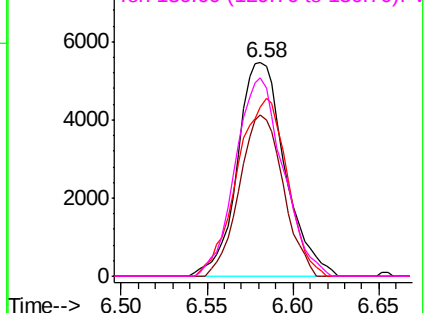
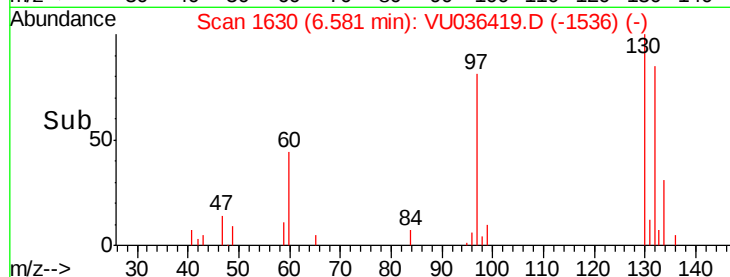


Abundance Ion 95.00 (94.70 to 95.70): VU036419.D (-1614) (-)

Ion 97.00 (96.70 to 97.70): VU036419.D (-1614) (-)

Ion 132.00 (131.70 to 132.70): VU036419.D (-1614) (-)

Ion 130.00 (129.70 to 130.70): VU036419.D (-1614) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.050 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.03 min

Lab File: VU036419.D

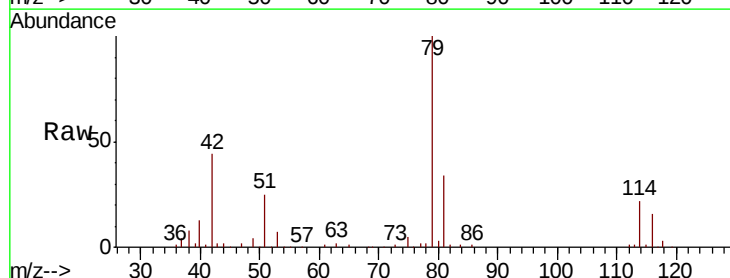
Acq: 09 Jan 2020 15:01

Tgt Ion: 75 Resp: 5794

Ion Ratio Lower Upper

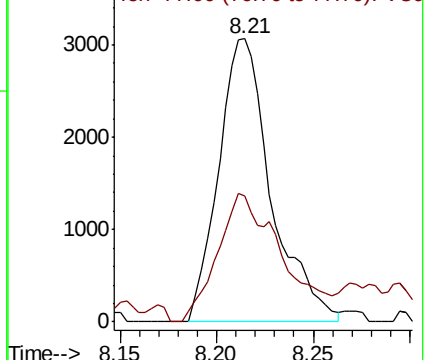
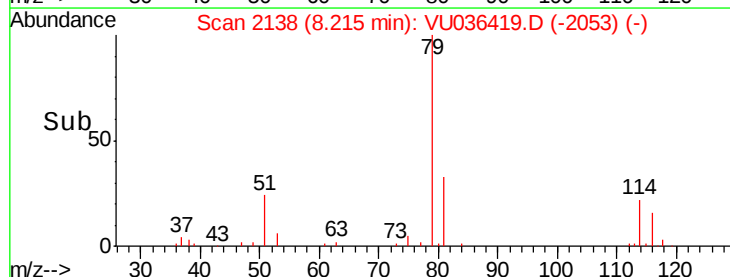
75 100

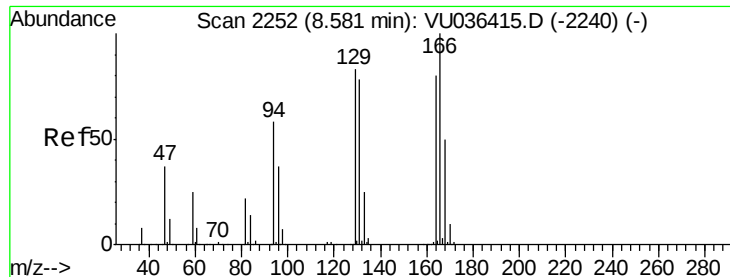
77 44.7 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VU036419.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU036419.D (-2126) (-)

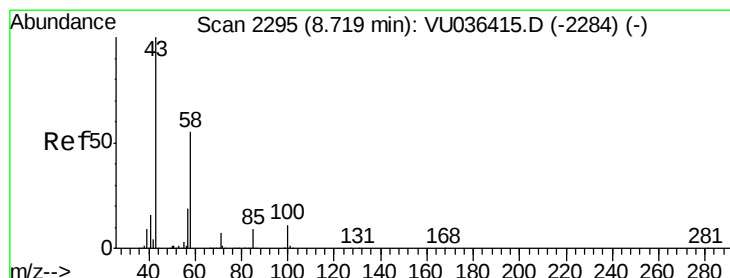
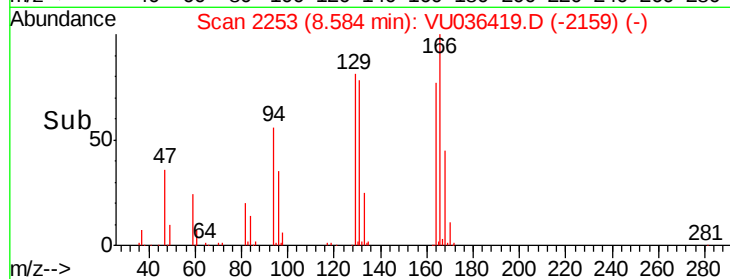
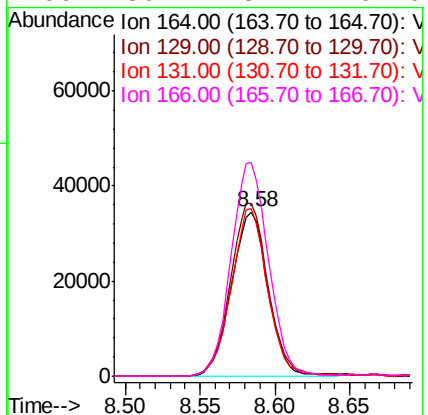
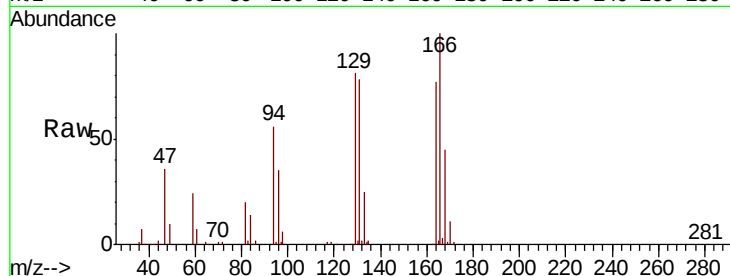




#46
Tetrachloroethene
Concen: 24.354 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036419.D
Acq: 09 Jan 2020 15:01

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 59011
Ion Ratio Lower Upper
164 100
129 105.2 70.0 130.0
131 101.9 70.1 130.1
166 130.1 87.2 161.9



#48
2-Hexanone
Concen: 4.591 ug/L
RT: 8.67 min Scan# 2280
Delta R.T. -0.05 min
Lab File: VU036419.D
Acq: 09 Jan 2020 15:01

Tgt Ion: 43 Resp: 21233
Ion Ratio Lower Upper
43 100
58 22.9 42.2 63.4#
57 21.7 14.8 22.2
100 0.5 8.8 13.2#

