

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112219\
 Data File : VU035818.D
 Acq On : 22 Nov 2019 13:10
 Operator : JC/SP
 Sample : K5930-18 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B0AD5

Quant Time: Nov 23 00:37:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 23 00:14:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	234890	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	276158	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	72245	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	134968	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.93	69	125643	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.60	63	185990	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	4.69	46	332297	46.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.60%
24) Chloroform-d	5.11	84	245311	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.75	65	140787	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.77	84	464685	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.74	67	168559	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.93	98	355057	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
43) trans-1,3-Dichloropropene-	8.22	79	53372	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.70	63	201457	36.28	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.56%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	124197	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	76193	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

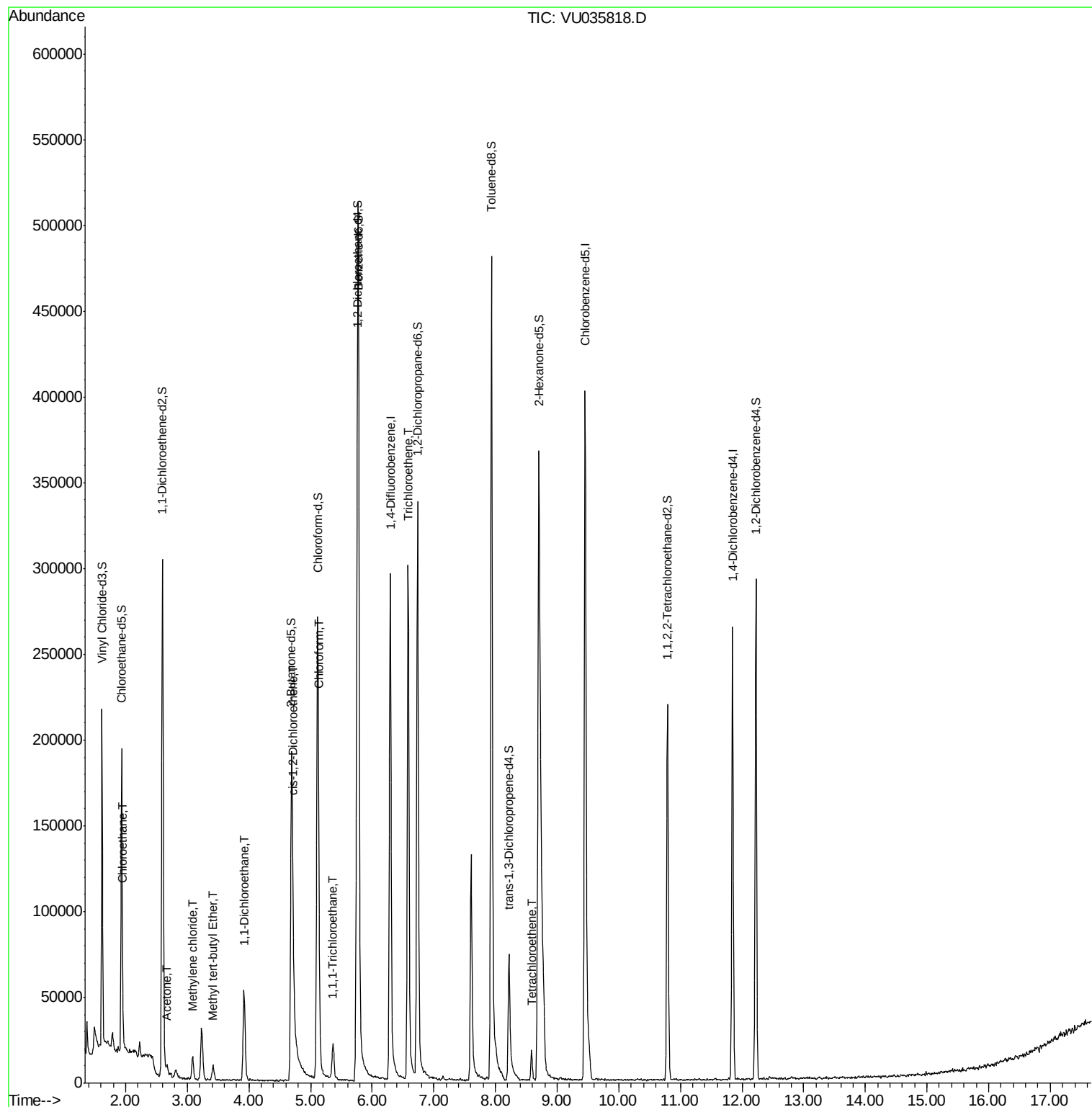
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.96	64	8994	0.396	ug/L	88
13) Acetone	2.67	43	6024	0.966	ug/L	98
16) Methylene chloride	3.09	84	6516	0.221	ug/L	92
17) Methyl tert-butyl Ether	3.42	73	6799	0.115	ug/L	92
19) 1,1-Dichloroethane	3.92	63	61534	1.138	ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	4592	0.171	ug/L	98
25) Chloroform	5.14	83	27705	0.527	ug/L	92
29) 1,1,1-Trichloroethane	5.36	97	14782	0.331	ug/L	99
34) Trichloroethene	6.58	95	107086	3.789	ug/L	95
47) Tetrachloroethene	8.58	164	4008	0.186	ug/L	88

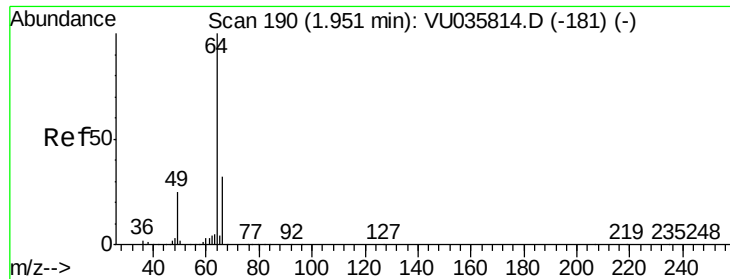
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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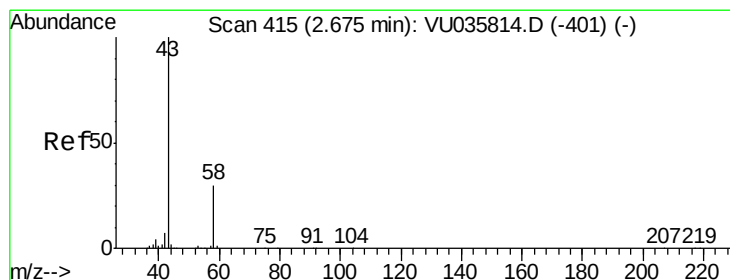
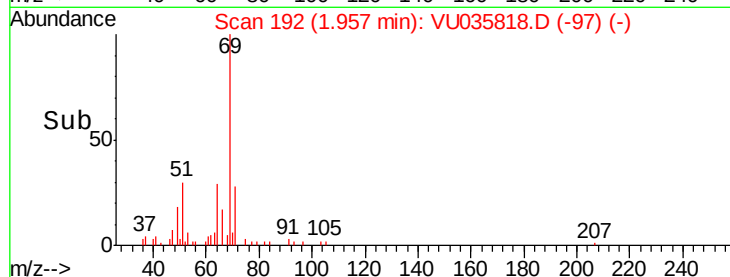
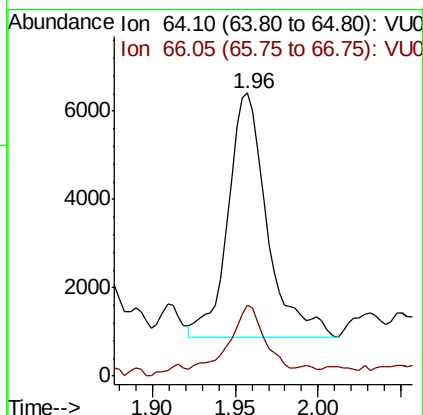
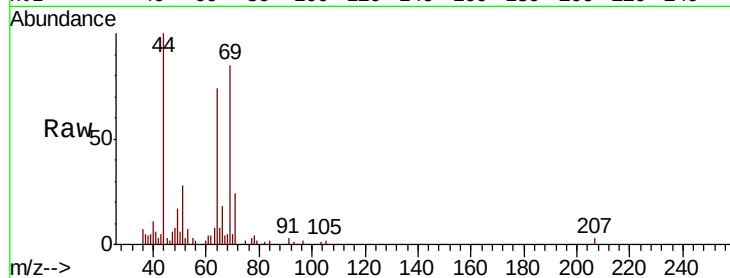




#8
Chloroethane
Concen: 0.396 ug/L
RT: 1.96 min Scan# 192
Delta R.T. 0.01 min
Lab File: VU035818.D
Acq: 22 Nov 2019 13:10

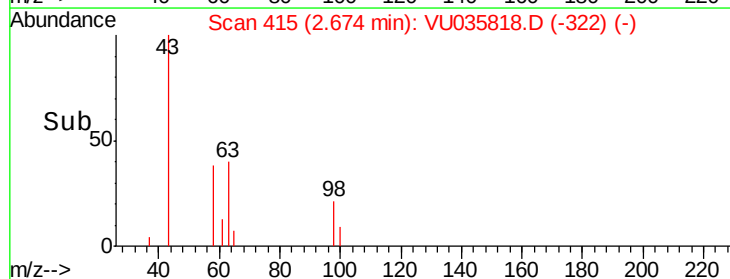
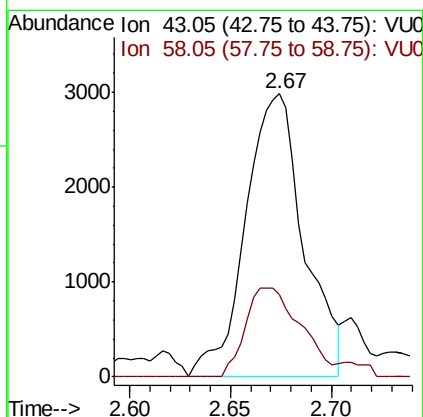
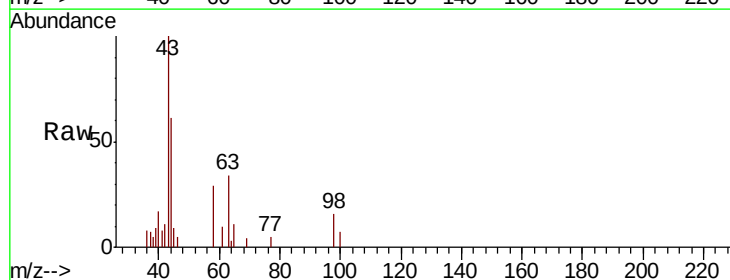
Instrument :
MSVOA_U
ClientSampleId :
B0AD5

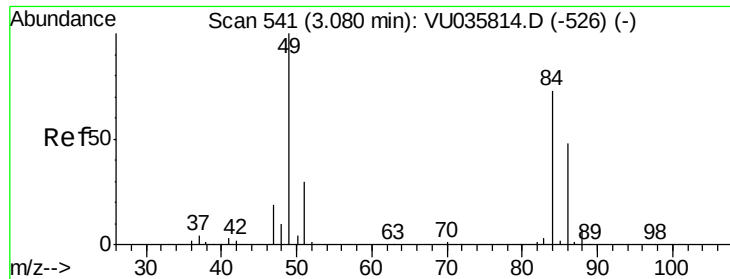
Tot Ion: 64 Resp: 8994
Ion Ratio Lower Upper
64 100
66 25.0 22.3 41.5



#13
Acetone
Concen: 0.966 ug/L
RT: 2.67 min Scan# 415
Delta R.T. -0.00 min
Lab File: VU035818.D
Acq: 22 Nov 2019 13:10

Tgt Ion: 43 Resp: 6024
Ion Ratio Lower Upper
43 100
58 29.6 0.0 61.2

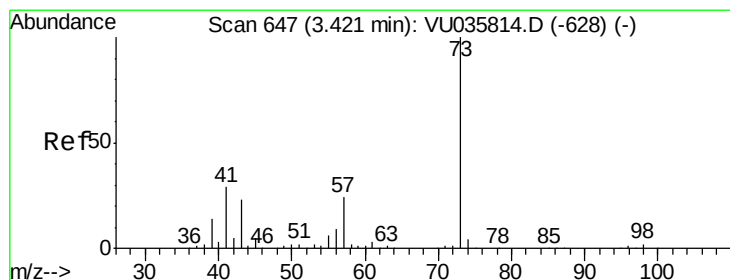
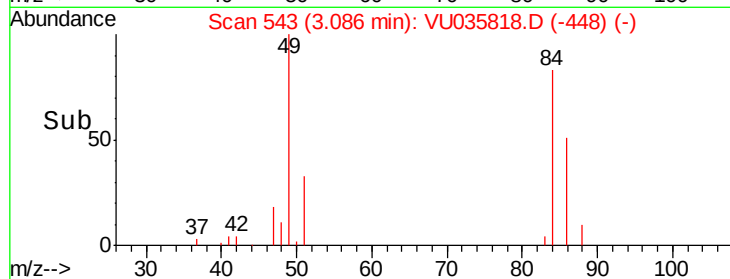
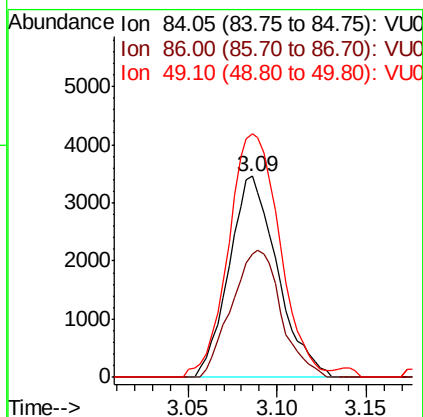
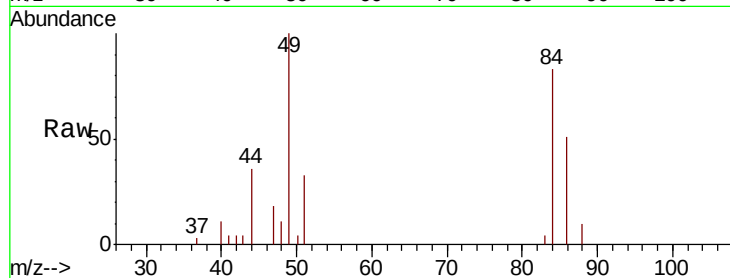




#16
Methylene chloride
Concen: 0.221 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.01 min
Lab File: VU035818.D
Acq: 22 Nov 2019 13:10

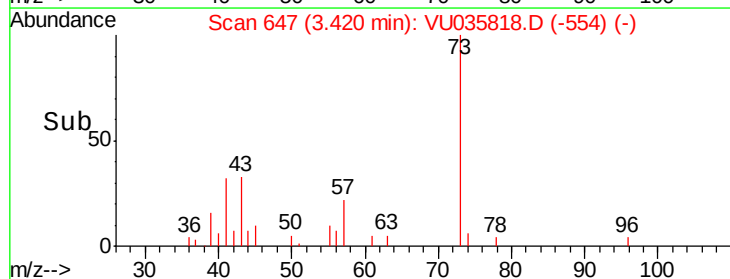
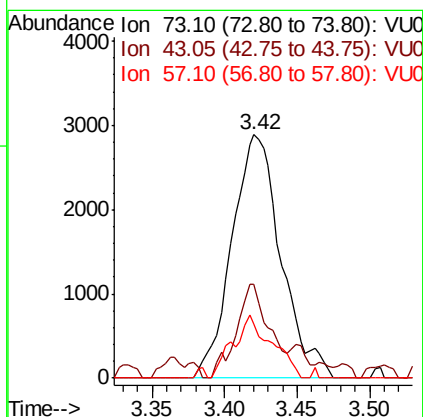
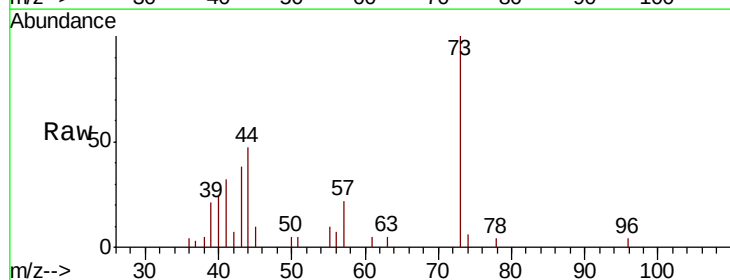
Instrument :
MSVOA_U
ClientSampled :
B0AD5

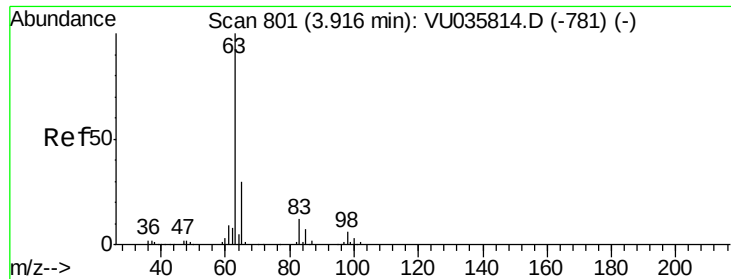
Tot Ion: 84 Resp: 6516
Ion Ratio Lower Upper
84 100
86 61.5 44.4 82.5
49 121.1 94.0 174.6



#17
Methyl tert-butyl Ether
Concen: 0.115 ug/L
RT: 3.42 min Scan# 647
Delta R.T. -0.00 min
Lab File: VU035818.D
Acq: 22 Nov 2019 13:10

Tgt Ion: 73 Resp: 6799
Ion Ratio Lower Upper
73 100
43 26.0 17.4 26.2
57 20.3 19.4 29.0

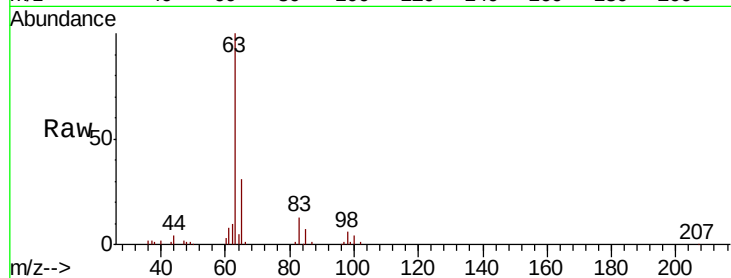




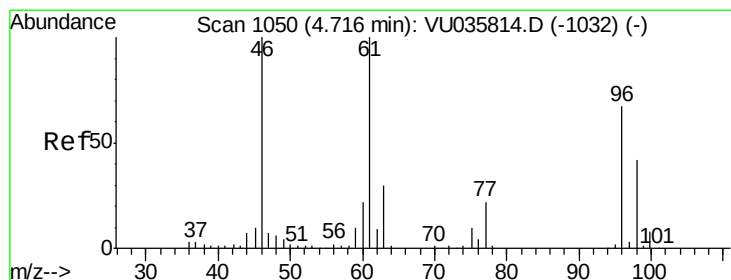
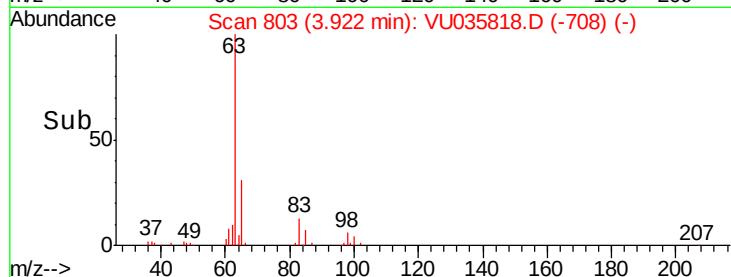
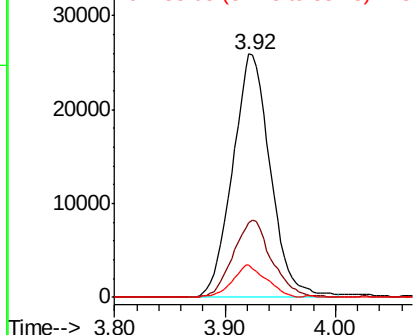
#19
 1,1-Dichloroethane
 Concen: 1.138 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VU035818.D
 Acq: 22 Nov 2019 13:10

Instrument :
 MSVOA_U
 ClientSampleId :
 B0AD5

Tot Ion: 63 Resp: 61534
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.8 40.4
 83 13.1 8.6 16.0

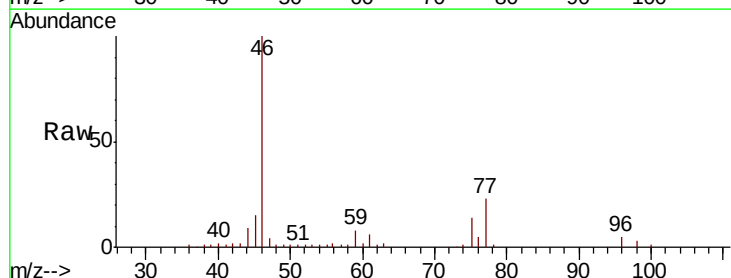


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

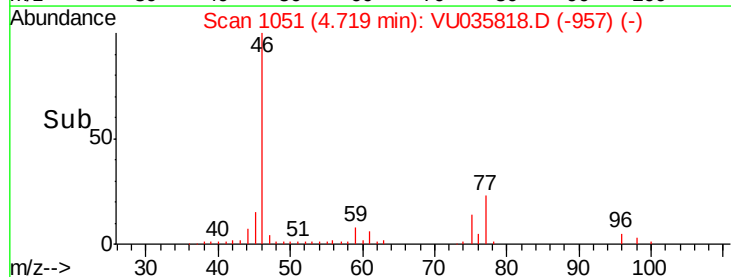
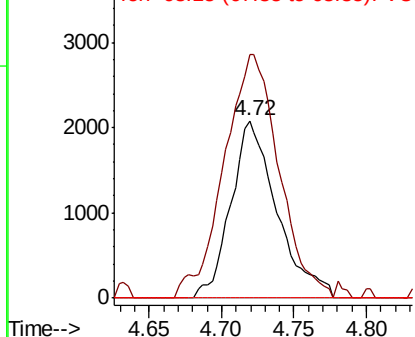


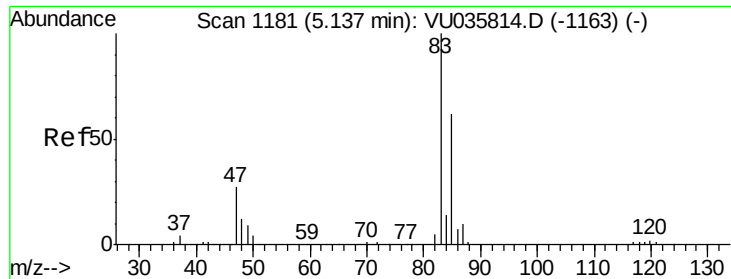
#22
 cis-1,2-Dichloroethene
 Concen: 0.171 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035818.D
 Acq: 22 Nov 2019 13:10

Tgt Ion: 96 Resp: 4592
 Ion Ratio Lower Upper
 96 100
 61 137.3 98.1 182.1
 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

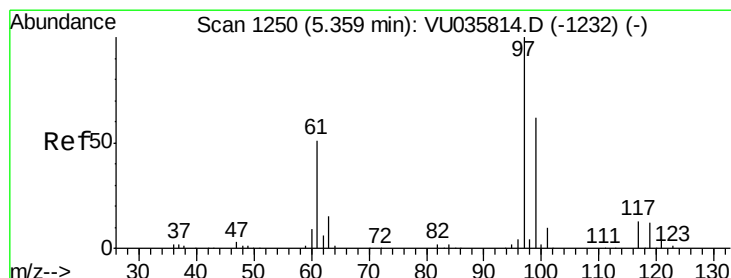
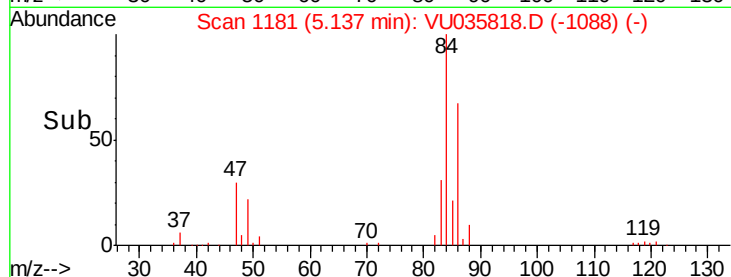
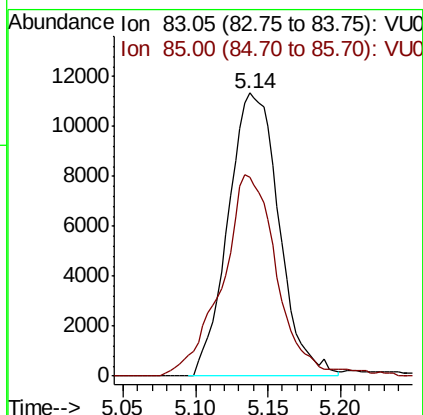
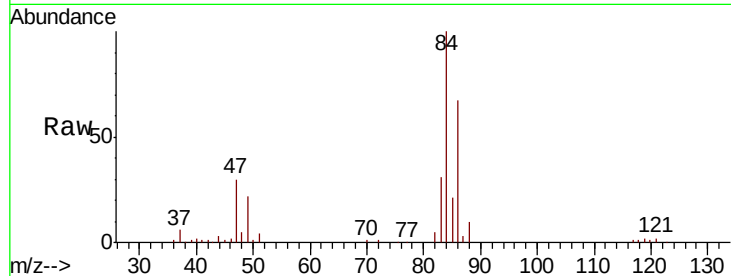




#25
Chloroform
Concen: 0.527 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035818.D
Acq: 22 Nov 2019 13:10

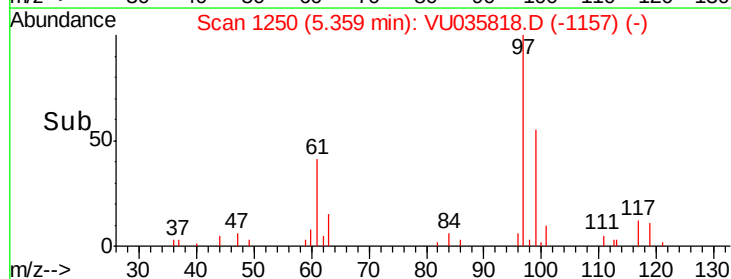
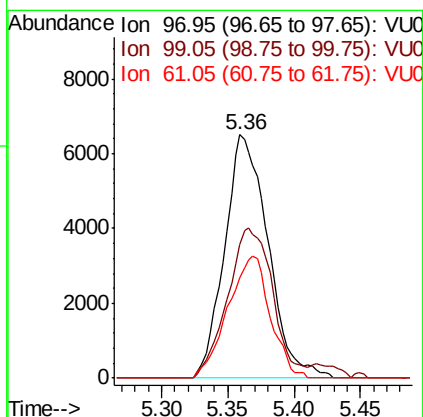
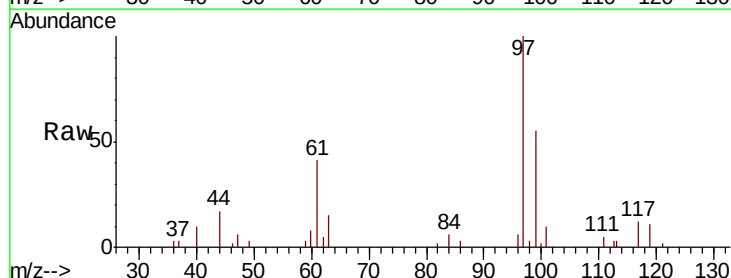
Instrument :
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ClientSampleId :
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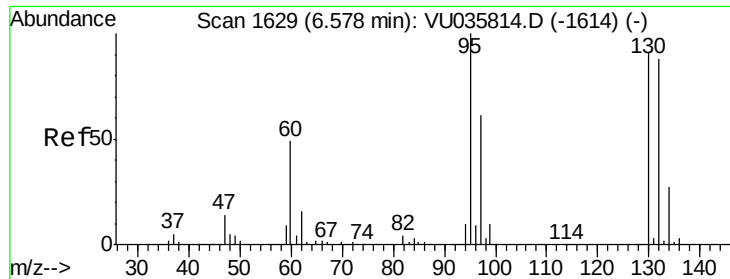
Tot Ion: 83 Resp: 27705
Ion Ratio Lower Upper
83 100
85 70.2 44.6 82.8



#29
1,1,1-Trichloroethane
Concen: 0.331 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU035818.D
Acq: 22 Nov 2019 13:10

Tgt Ion: 97 Resp: 14782
Ion Ratio Lower Upper
97 100
99 64.3 51.9 77.9
61 49.0 40.3 60.5





#34

Trichloroethene

Concen: 3.789 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VU035818.D

Acq: 22 Nov 2019 13:10

Instrument :

MSVOA_U

ClientSampleId :

B0AD5

Tot Ion: 95 Resp: 107086

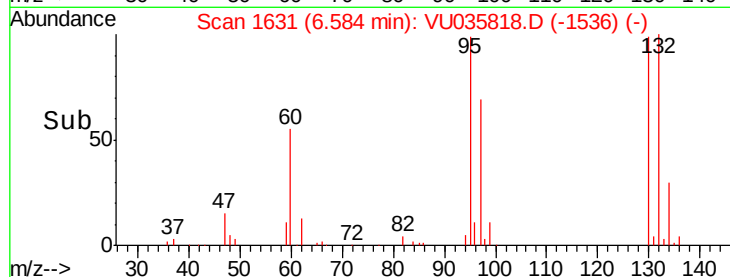
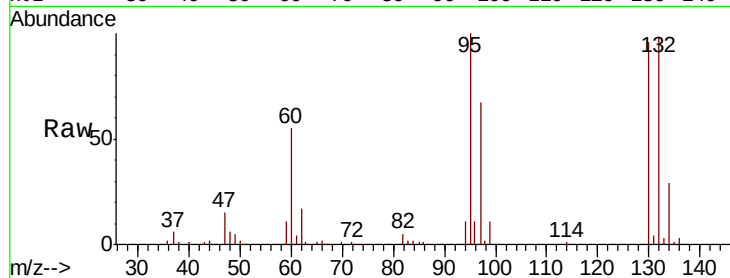
Ion Ratio Lower Upper

95 100

97 67.4 45.1 83.9

132 97.7 61.9 114.9

130 96.5 66.3 123.1



Abundance Ion 95.00 (94.70 to 95.70): VU035818.D (-1536) (-)

Ion 96.95 (96.65 to 97.65): VU035818.D (-1536) (-)

Ion 131.95 (131.65 to 132.65): VU035818.D (-1536) (-)

Ion 129.95 (129.65 to 130.65): VU035818.D (-1536) (-)

Time-->

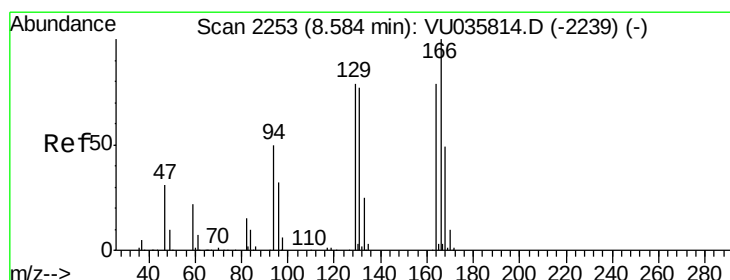
6.50 6.55 6.60 6.65

6.58

40000

20000

0



#47

Tetrachloroethene

Concen: 0.186 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU035818.D

Acq: 22 Nov 2019 13:10

Tgt Ion: 164 Resp: 4008

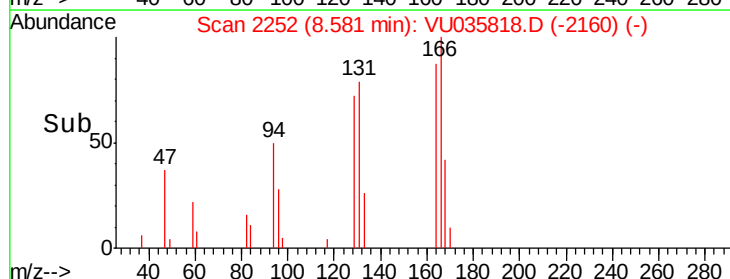
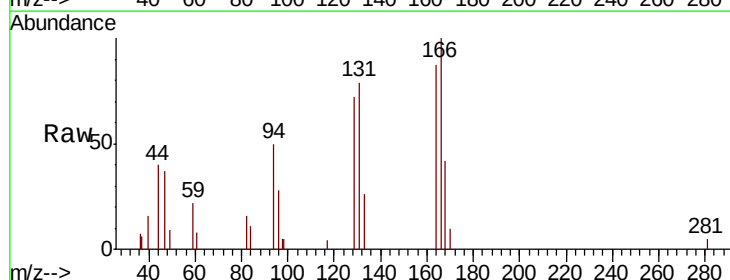
Ion Ratio Lower Upper

164 100

129 82.9 68.8 127.8

131 91.0 67.3 124.9

166 114.7 91.6 170.2



Abundance Ion 163.90 (163.60 to 164.60): VU035818.D (-2160) (-)

Ion 128.95 (128.65 to 129.65): VU035818.D (-2160) (-)

Ion 130.95 (130.65 to 131.65): VU035818.D (-2160) (-)

Ion 165.90 (165.60 to 166.60): VU035818.D (-2160) (-)

Time-->

8.55 8.60

8.58

4000

3000

2000

1000

0