

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\
 Data File : VU026196.D
 Acq On : 17 Aug 2018 22:13
 Operator : MD/SY
 Sample : J4515-21
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 18 01:31:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Aug 18 01:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	124114	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	124058	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	52974	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	36477	5.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.40%
7) Chloroethane-d5	1.69	69	28900	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.40%
11) 1,1-Dichloroethene-d2	2.29	63	163307	11.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	237.80%#
20) 2-Butanone-d5	4.20	46	104042	55.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.18%
24) Chloroform-d	4.65	84	79779	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.32	65	43968	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.35	84	151772	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.34	67	49853	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.80%
41) Toluene-d8	7.57	98	130417	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.86	79	18043	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.32	63	81098	52.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.96%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	40203	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	11.87	152	53425	5.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.20%

Target Compounds

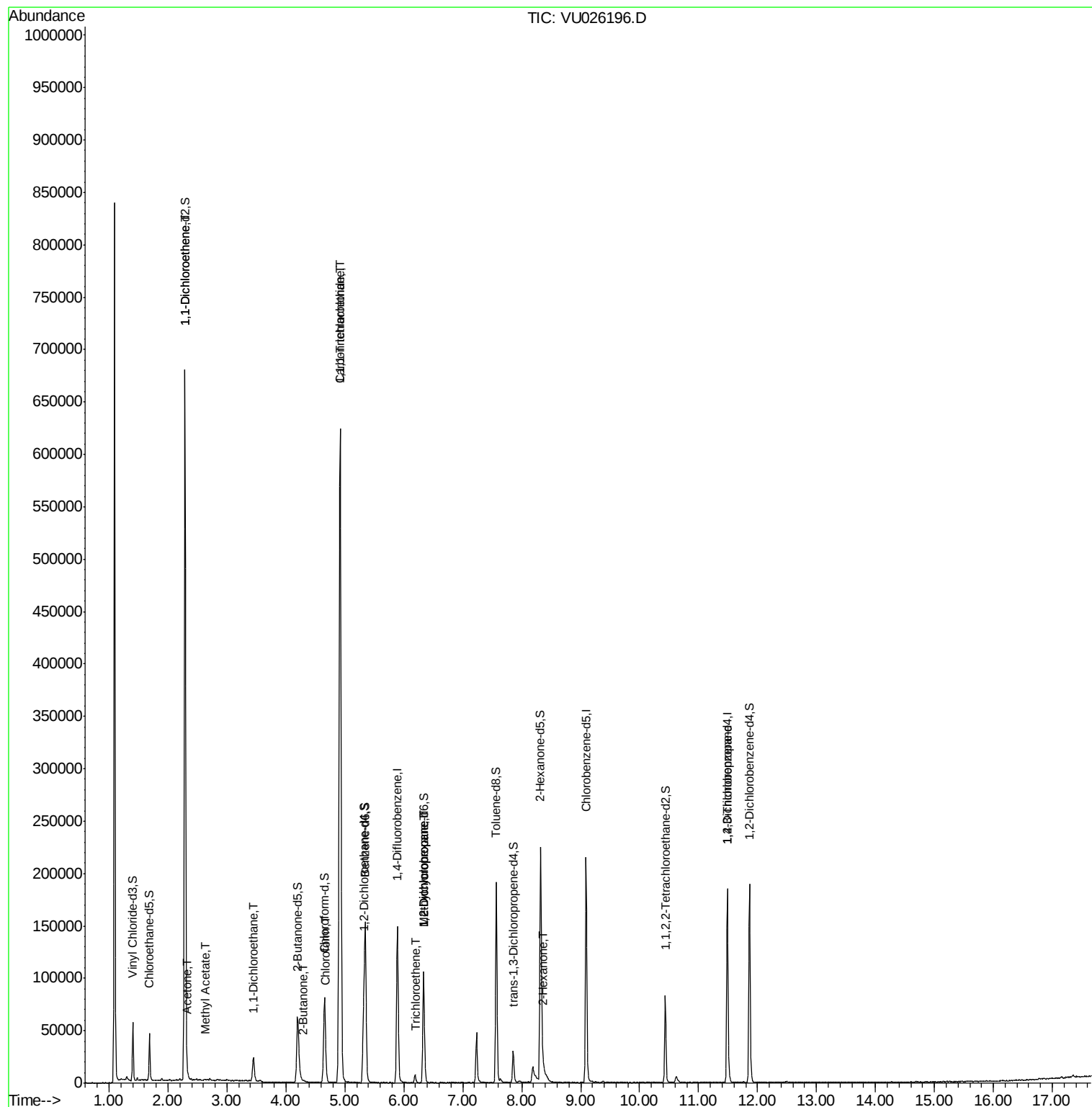
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.29	96	196921	27.296	ug/L #	74
13) Acetone	2.33	43	2516	2.030	ug/L	95
15) Methyl Acetate	2.63	43	1423	0.426	ug/L #	59
19) 1,1-Dichloroethane	3.45	63	23785	1.594	ug/L	94
21) 2-Butanone	4.29	43	817	0.376	ug/L #	59
25) Chloroform	4.68	83	5886	0.324	ug/L	98
29) 1,1,1-Trichloroethane	4.92	97	489150	30.441	ug/L	99
31) Carbon tetrachloride	4.92	117	64729	4.428	ug/L	98
34) Trichloroethene	6.19	95	2541	0.262	ug/L	93
35) Methylcyclohexane	6.34	83	12075	0.840	ug/L #	17
37) 1,2-Dichloropropane	6.34	63	5719	0.590	ug/L #	95
48) 2-Hexanone	8.36	43	1485	0.409	ug/L #	62
59) 1,2,3-Trichloropropane	11.49	75	6292	1.075	ug/L	98

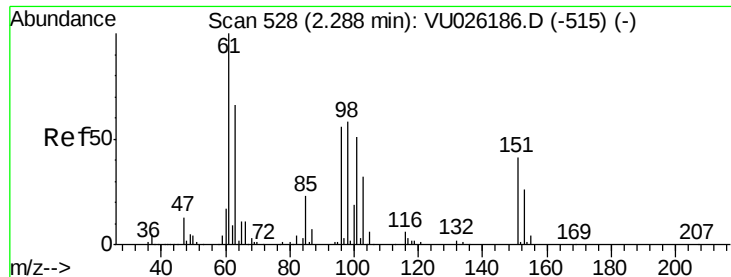
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 27.296 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026196.D

Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_U
ClientSampled :

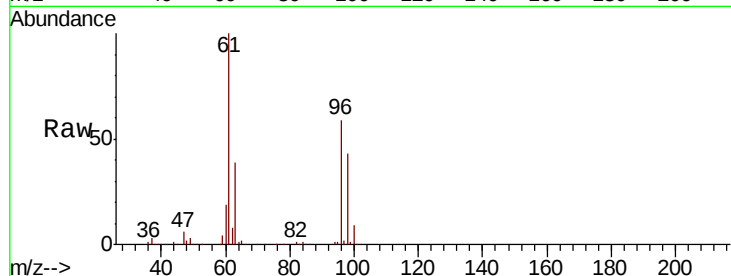
Tot Ion: 96 Resp: 196921

Ion Ratio Lower Upper

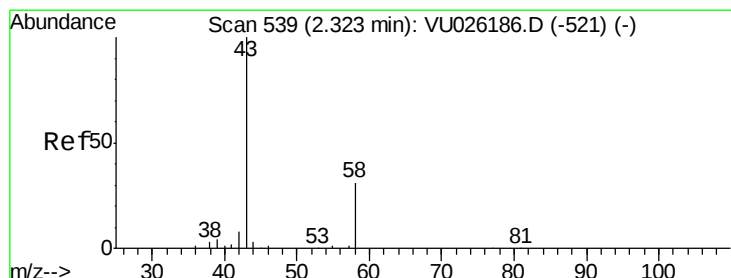
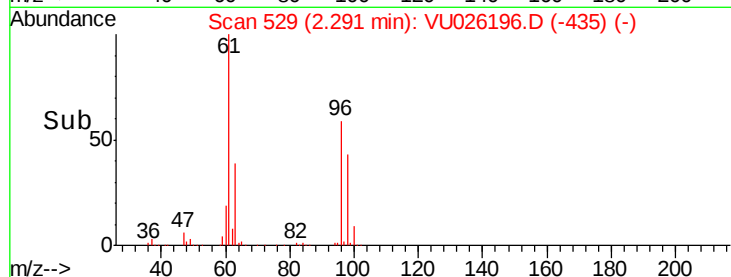
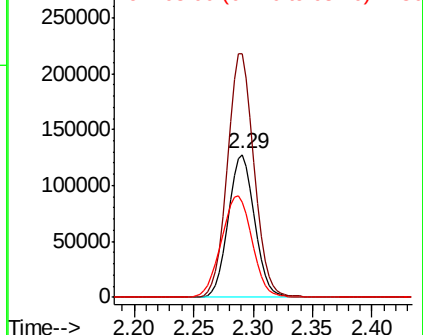
96 100

61 170.8 125.3 232.7

63 67.0 90.9 168.9#



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: 2.030 ug/L

RT: 2.33 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU026196.D

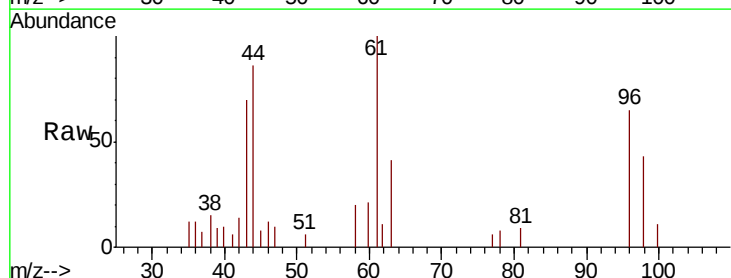
Acq: 17 Aug 2018 22:13

Tgt Ion: 43 Resp: 2516

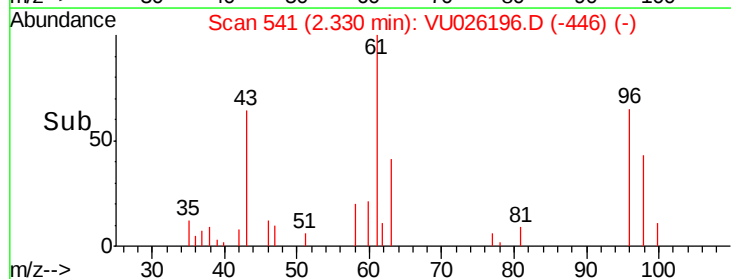
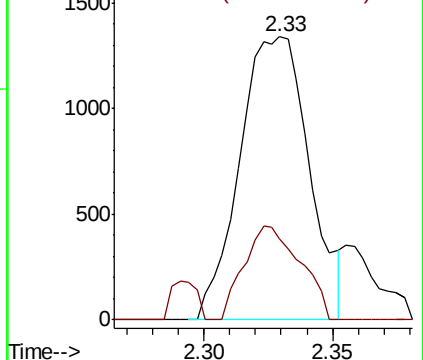
Ion Ratio Lower Upper

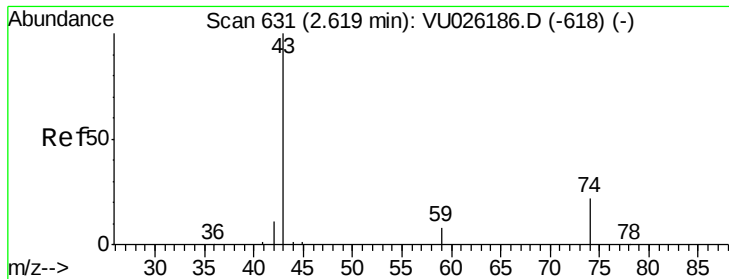
43 100

58 27.0 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0

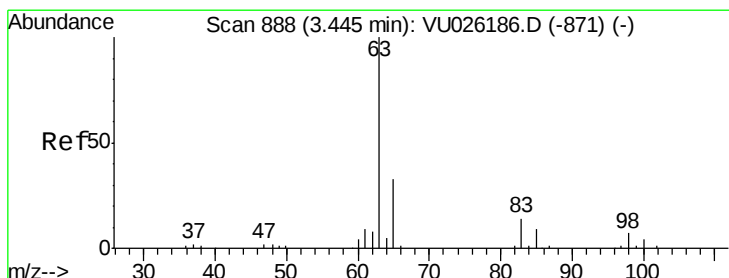
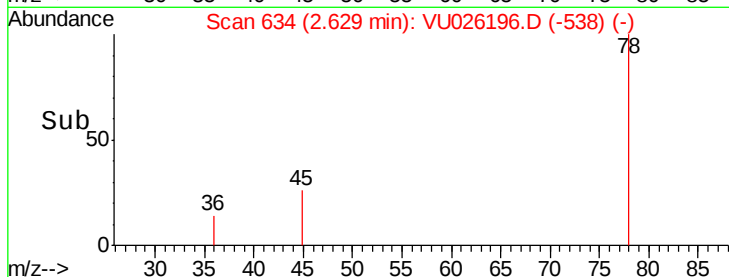
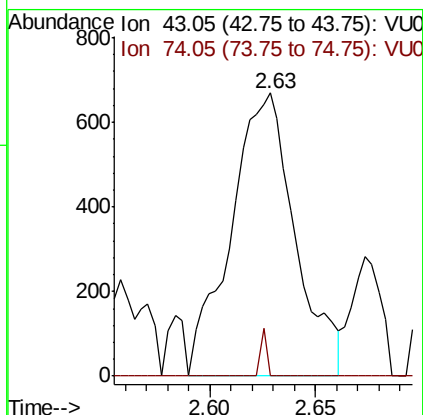
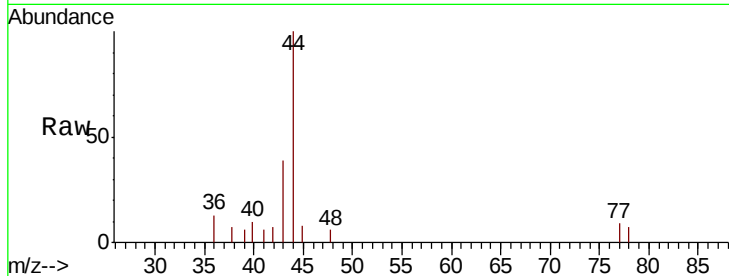




#15
Methyl Acetate
Concen: 0.426 ug/L
RT: 2.63 min Scan# 634
Delta R.T. 0.01 min
Lab File: VU026196.D
Acq: 17 Aug 2018 22:13

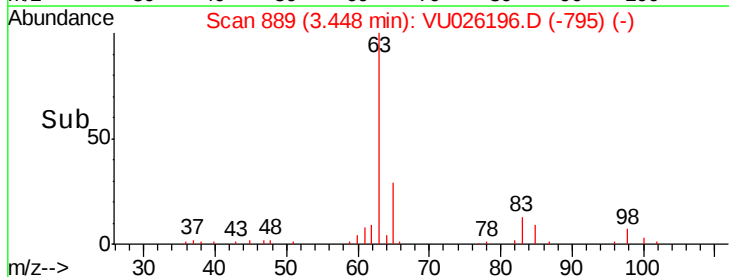
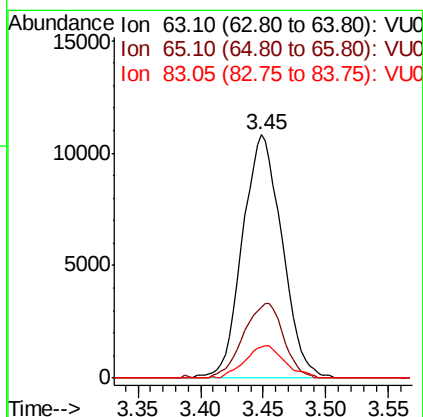
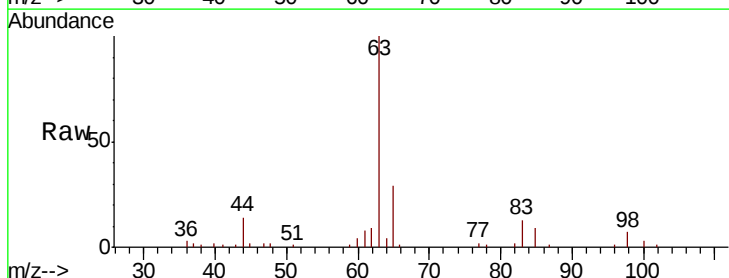
Instrument :
MSVOA_U
ClientSampleId :

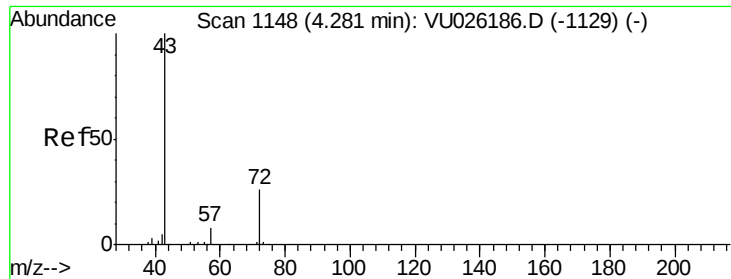
Tot Ion: 43 Resp: 1423
Ion Ratio Lower Upper
43 100
74 1.5 16.6 24.8#



#19
1,1-Dichloroethane
Concen: 1.594 ug/L
RT: 3.45 min Scan# 889
Delta R.T. 0.00 min
Lab File: VU026196.D
Acq: 17 Aug 2018 22:13

Tgt Ion: 63 Resp: 23785
Ion Ratio Lower Upper
63 100
65 29.1 23.2 43.0
83 12.7 10.1 18.9

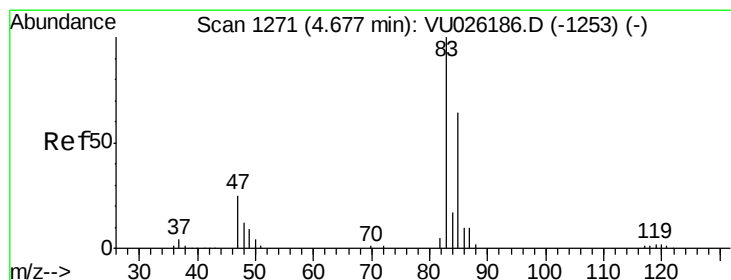
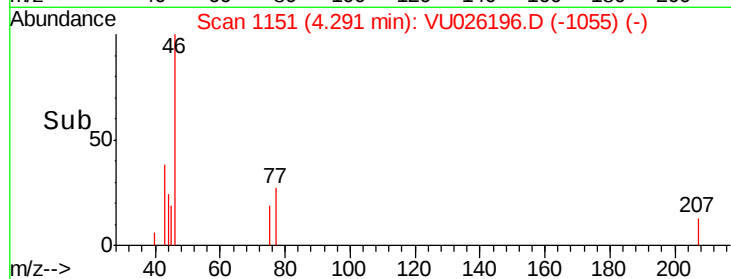
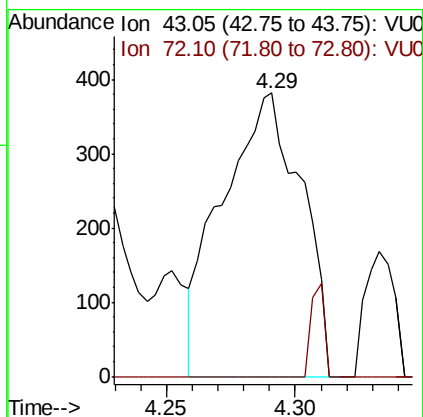
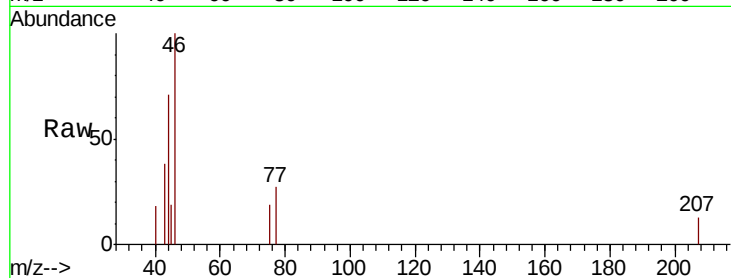




#21
2-Butanone
Concen: 0.376 ug/L
RT: 4.29 min Scan# 1151
Delta R.T. 0.01 min
Lab File: VU026196.D
Acq: 17 Aug 2018 22:13

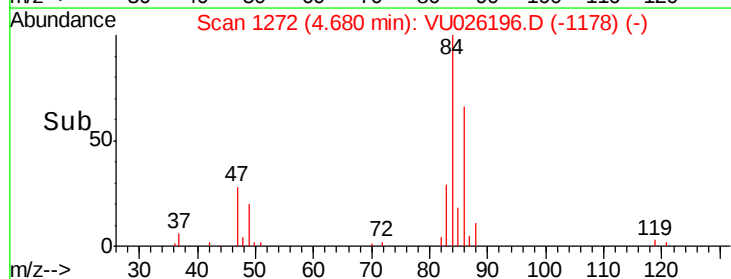
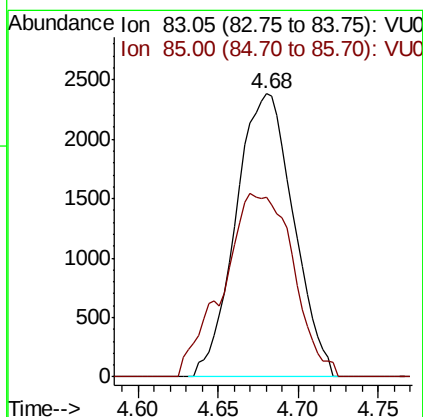
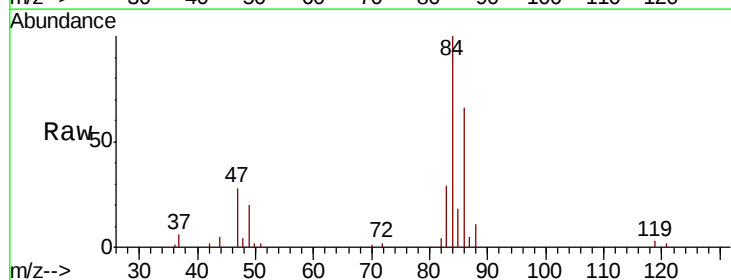
Instrument :
MSVOA_U
ClientSampled :

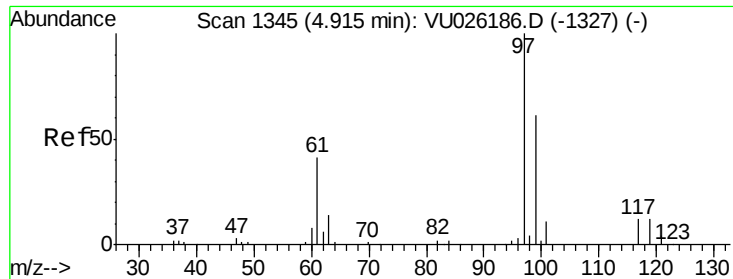
Tot Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
72 5.5 13.3 39.9#



#25
Chloroform
Concen: 0.324 ug/L
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU026196.D
Acq: 17 Aug 2018 22:13

Tgt Ion: 83 Resp: 5886
Ion Ratio Lower Upper
83 100
85 63.4 45.5 84.5

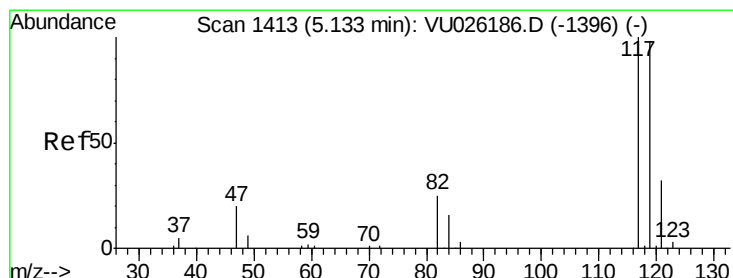
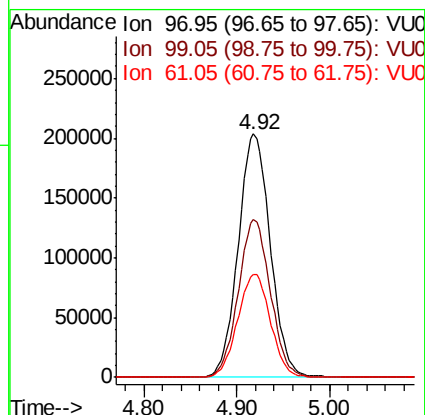
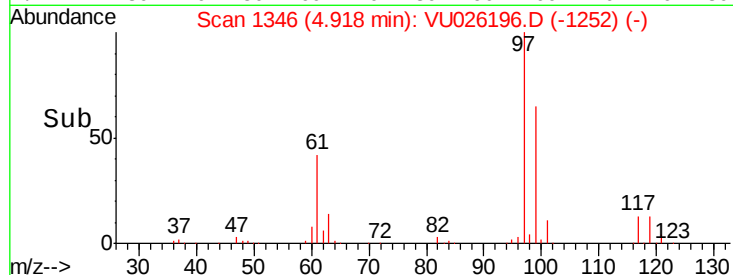
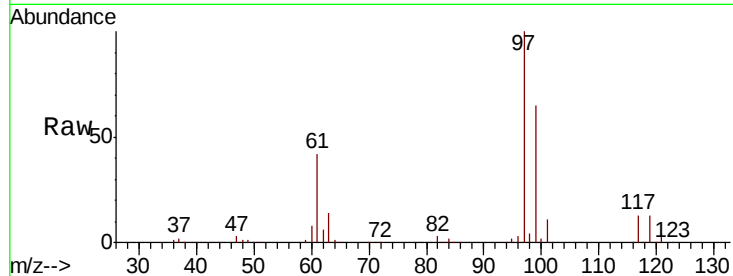




#29
1,1,1-Trichloroethane
Concen: 30.441 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026196.D
Acq: 17 Aug 2018 22:13

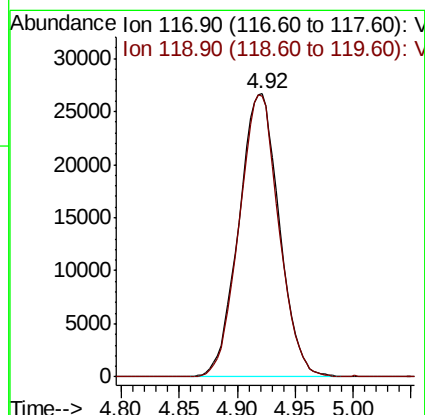
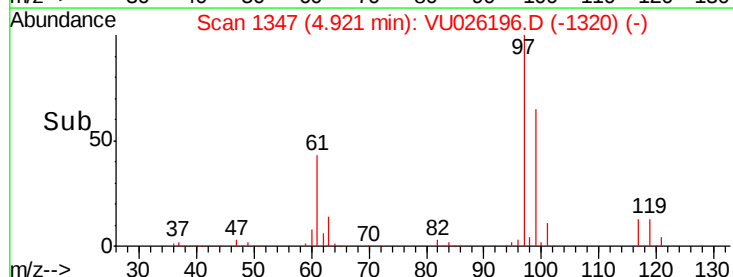
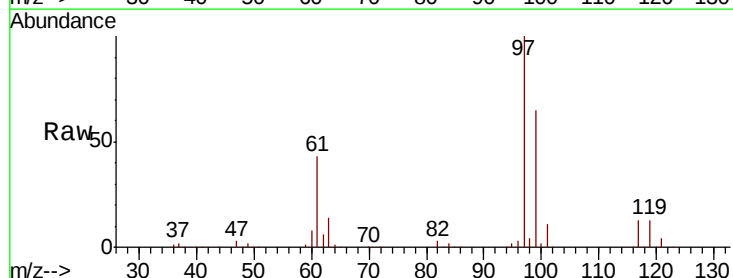
Instrument :
MSVOA_U
ClientSampleId :

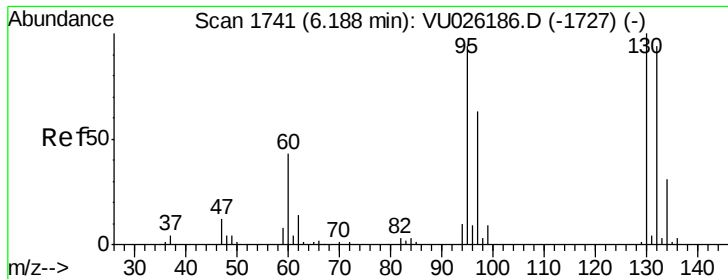
Tot Ion: 97 Resp: 489150
Ion Ratio Lower Upper
97 100
99 64.8 52.3 78.5
61 43.2 35.0 52.6



#31
Carbon tetrachloride
Concen: 4.428 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. -0.21 min
Lab File: VU026196.D
Acq: 17 Aug 2018 22:13

Tgt Ion: 117 Resp: 64729
Ion Ratio Lower Upper
117 100
119 97.5 76.6 115.0





#34

Trichloroethene

Concen: 0.262 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026196.D

Acq: 17 Aug 2018 22:13

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 2541

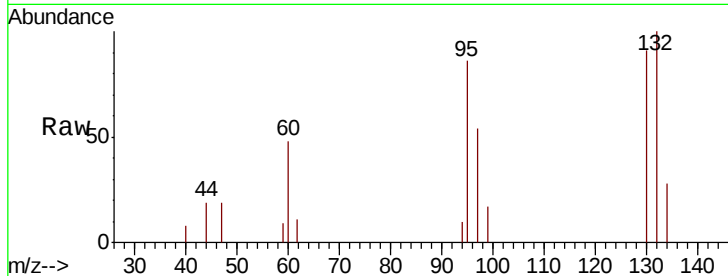
Ion Ratio Lower Upper

95 100

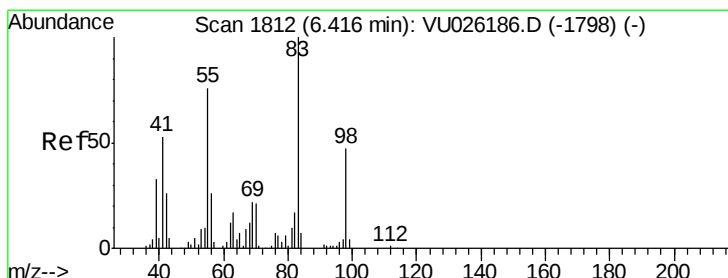
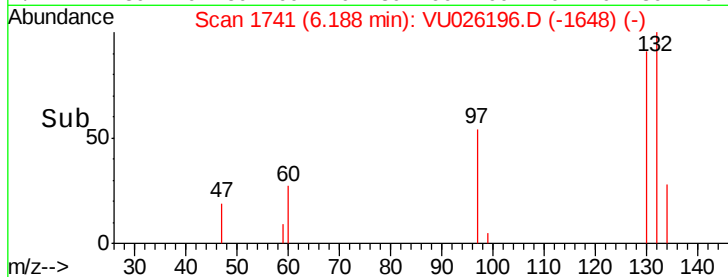
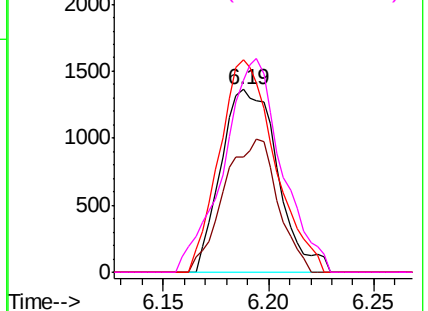
97 63.2 44.9 83.5

132 116.1 68.2 126.6

130 105.4 73.4 136.4



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



#35

Methylcyclohexane

Concen: 0.840 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.08 min

Lab File: VU026196.D

Acq: 17 Aug 2018 22:13

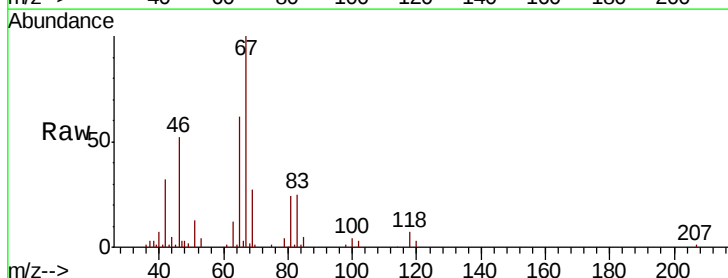
Tgt Ion: 83 Resp: 12075

Ion Ratio Lower Upper

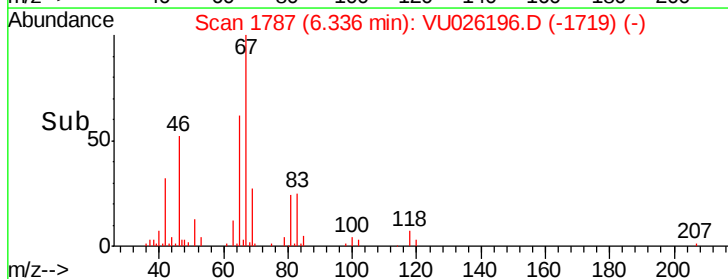
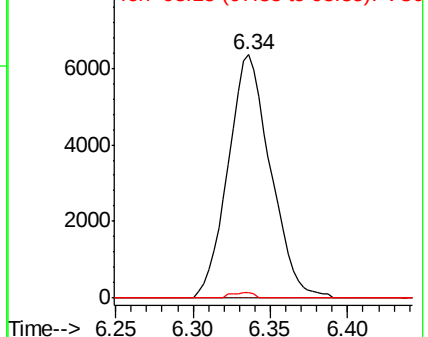
83 100

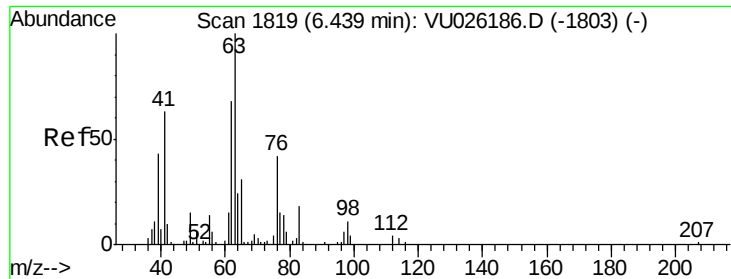
55 0.0 65.0 97.4#

98 1.2 37.8 56.6#



Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.590 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU026196.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_U

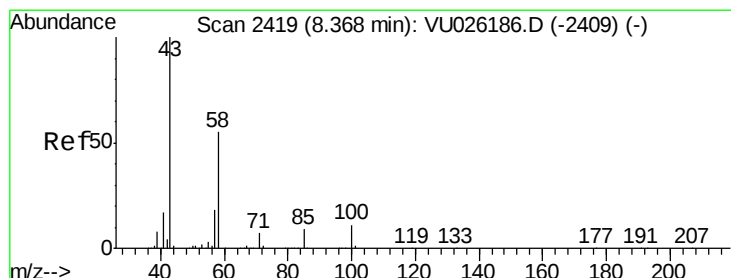
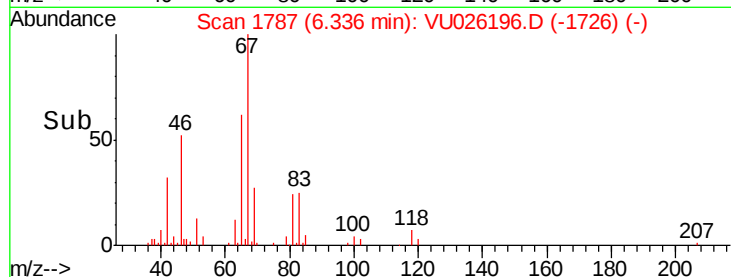
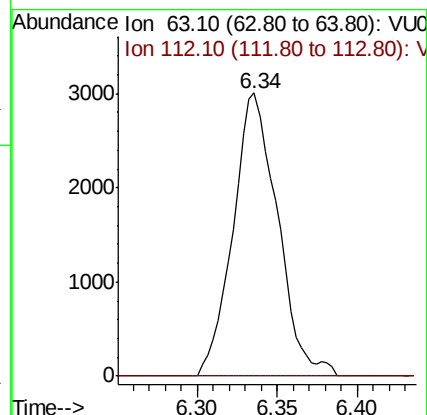
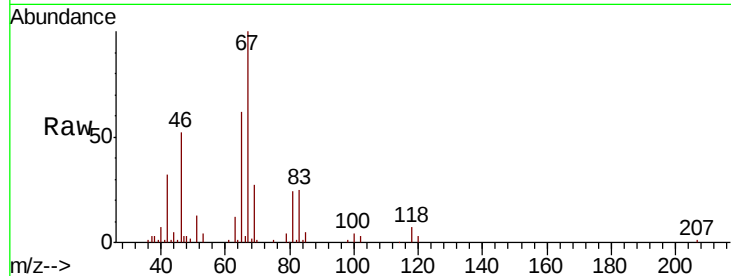
ClientSampleId :

Tot Ion: 63 Resp: 5719

Ion Ratio Lower Upper

63 100

112 0.0 1.4 2.2#



#48

2-Hexanone

Concen: 0.409 ug/L

RT: 8.36 min Scan# 2418

Delta R.T. -0.00 min

Lab File: VU026196.D

Acq: 17 Aug 2018 22:13

Tgt Ion: 43 Resp: 1485

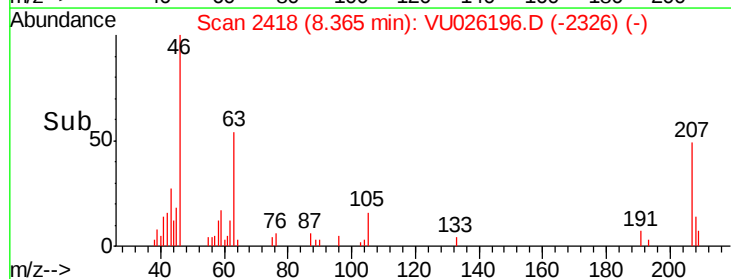
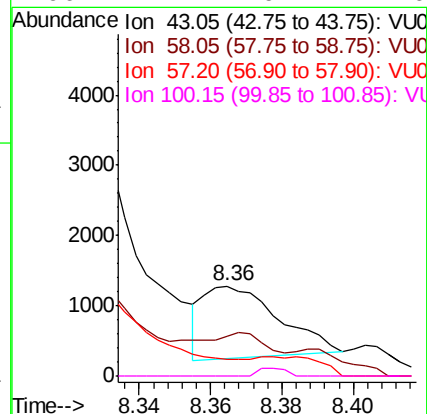
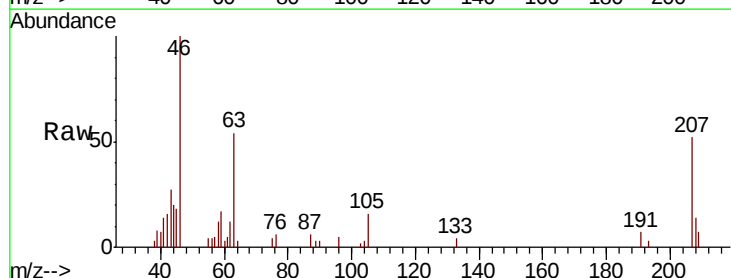
Ion Ratio Lower Upper

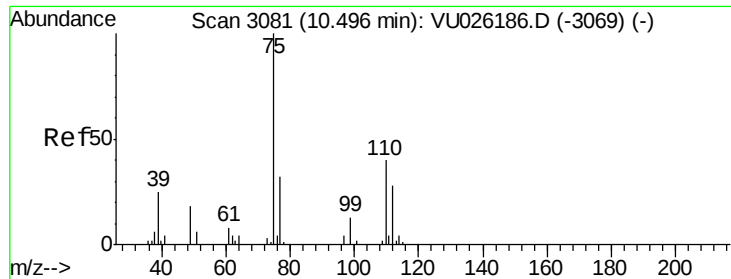
43 100

58 15.7 43.1 64.7#

57 21.8 15.4 23.0

100 4.2 9.4 14.0#





#59

1,2,3-Trichloropropane

Concen: 1.075 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU026196.D

Acq: 17 Aug 2018 22:13

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 6292

Ion Ratio Lower Upper

75 100

77 34.8 29.0 43.4

