

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\
 Data File : VU026191.D
 Acq On : 17 Aug 2018 20:12
 Operator : MD/SY
 Sample : J4515-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 18 01:30:24 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	128892	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	128634	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	55313	5.00	ug/L	0.00

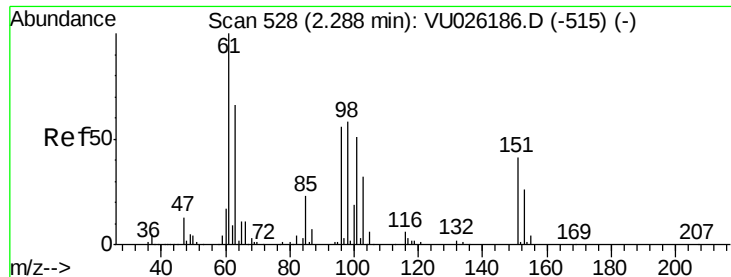
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	34929	5.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.60%
7) Chloroethane-d5	1.68	69	29569	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.29	63	624197	43.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	875.40%#
20) 2-Butanone-d5	4.20	46	116217	59.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.58%
24) Chloroform-d	4.65	84	80332	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.32	65	47173	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	5.35	84	157823	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.34	67	50923	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.57	98	134294	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.00%
43) trans-1,3-Dichloropropene-	7.86	79	20270	5.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.40%
46) 2-Hexanone-d5	8.32	63	89978	56.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.30%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	42886	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	54640	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3208	0.395	ug/L #	30
12) 1,1-Dichloroethene	2.29	96	1019857	136.125	ug/L #	73
13) Acetone	2.33	43	5321	4.134	ug/L	95
19) 1,1-Dichloroethane	3.45	63	187628	12.111	ug/L	97
21) 2-Butanone	4.29	43	706	0.313	ug/L	95
25) Chloroform	4.68	83	6814	0.361	ug/L	86
27) 1,2-Dichloroethane	5.41	62	3136	0.280	ug/L #	95
29) 1,1,1-Trichloroethane	4.92	97	6225597	373.651	ug/L	99
31) Carbon tetrachloride	4.92	117	813340	53.665	ug/L	99
34) Trichloroethene	6.19	95	16136	1.605	ug/L	96
35) Methylcyclohexane	6.34	83	12645	0.849	ug/L #	17
37) 1,2-Dichloropropane	6.33	63	5701	0.568	ug/L #	95
48) 2-Hexanone	8.36	43	2362	0.627	ug/L #	94
59) 1,2,3-Trichloropropane	11.49	75	6251	1.030	ug/L	95

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



#10

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

Concen: 0.395 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026191.D

Acq: 17 Aug 2018 20:12

Instrument :

MSVOA_U

ClientSampleId :

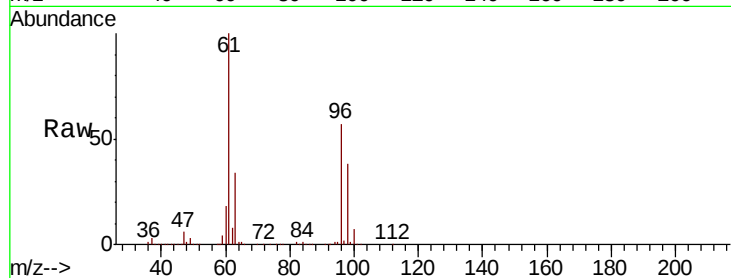
Tot Ion:101 Resp: 3208

Ion Ratio Lower Upper

101 100

85 23.3 36.6 54.8#

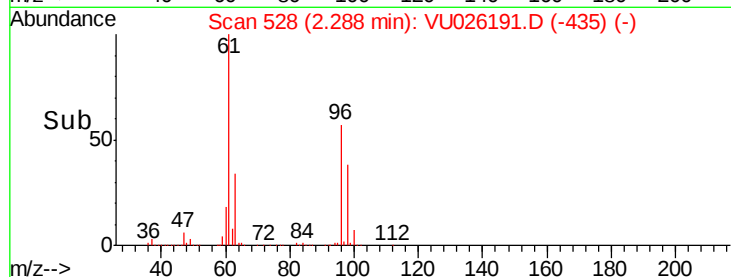
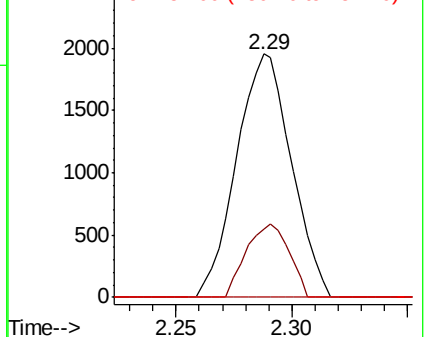
151 0.0 63.4 95.2#



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: 136.125 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026191.D

Acq: 17 Aug 2018 20:12

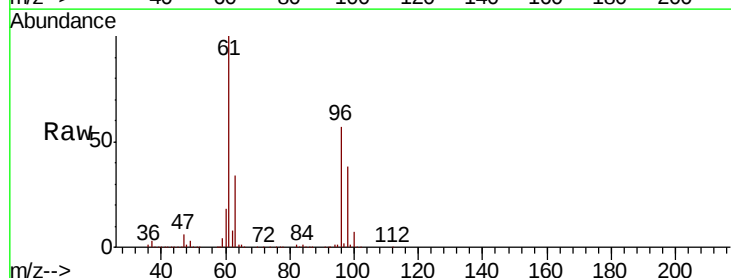
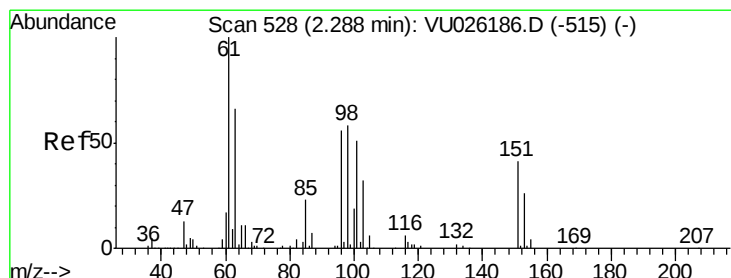
Tgt Ion: 96 Resp: 1019857

Ion Ratio Lower Upper

96 100

61 174.6 125.3 232.7

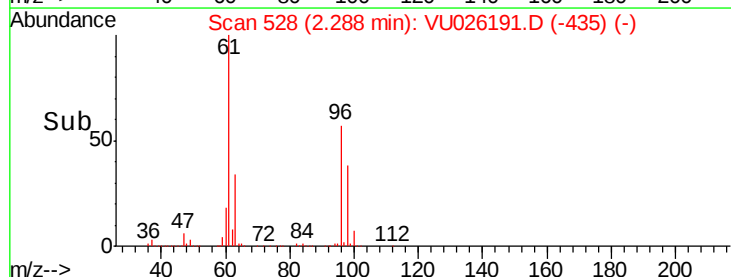
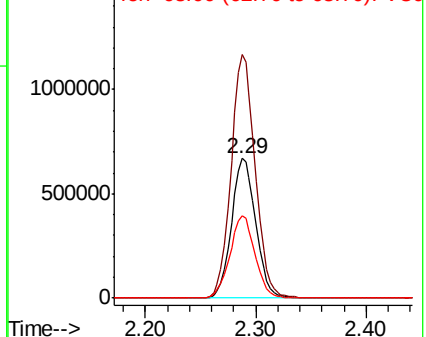
63 59.4 90.9 168.9#

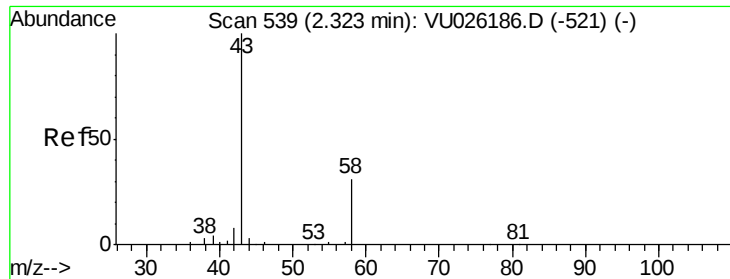


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.134 ug/L

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU026191.D

Acq: 17 Aug 2018 20:12

Instrument :

MSVOA_U

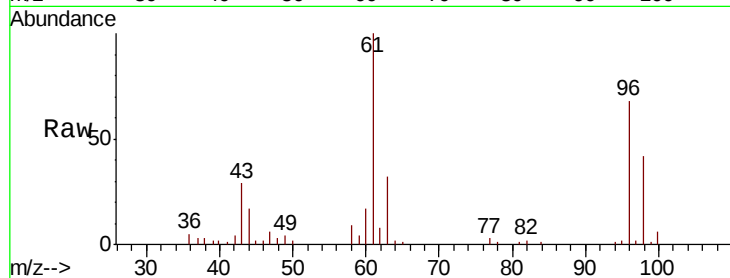
ClientSampleId :

Tot Ion: 43 Resp: 5321

Ion Ratio Lower Upper

43 100

58 32.3 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.33

3000

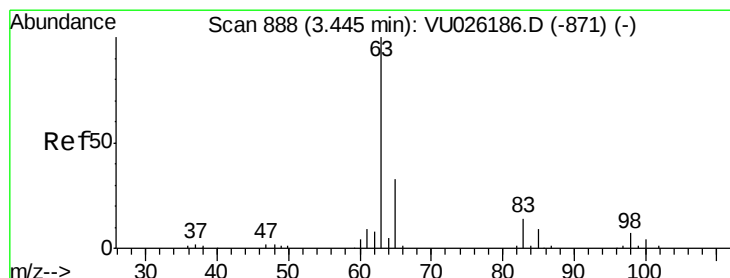
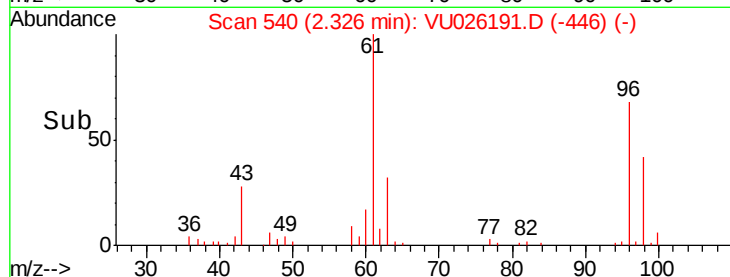
2000

1000

0

Time-->

2.30 2.35



#19

1,1-Dichloroethane

Concen: 12.111 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU026191.D

Acq: 17 Aug 2018 20:12

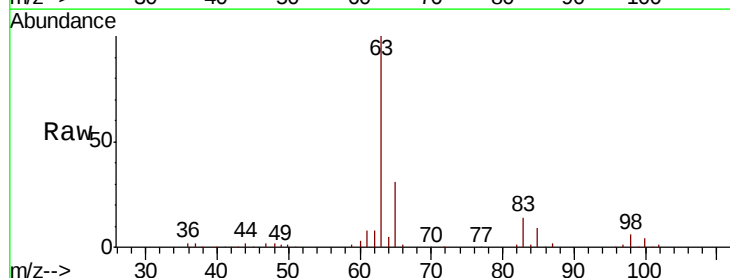
Tgt Ion: 63 Resp: 187628

Ion Ratio Lower Upper

63 100

65 31.3 23.2 43.0

83 13.5 10.1 18.9



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

120000

100000

80000

60000

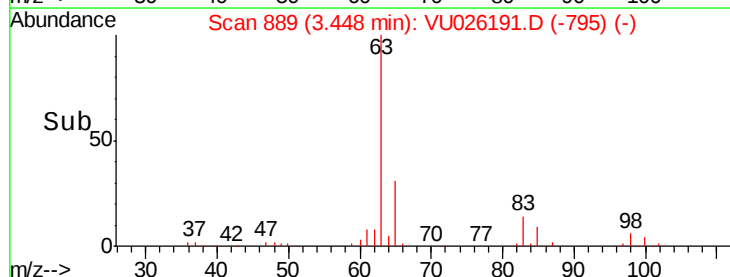
40000

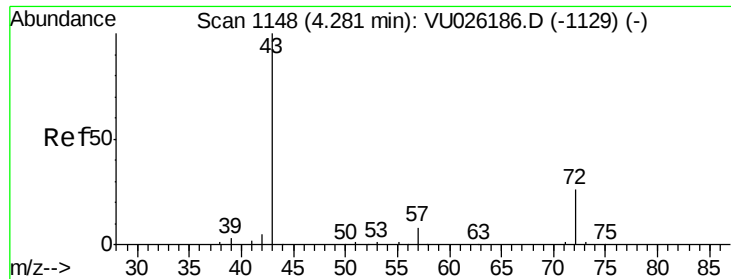
20000

0

Time-->

3.40 3.50 3.60





#21

2-Butanone

Concen: 0.313 ug/L

RT: 4.29 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VU026191.D

Acq: 17 Aug 2018 20:12

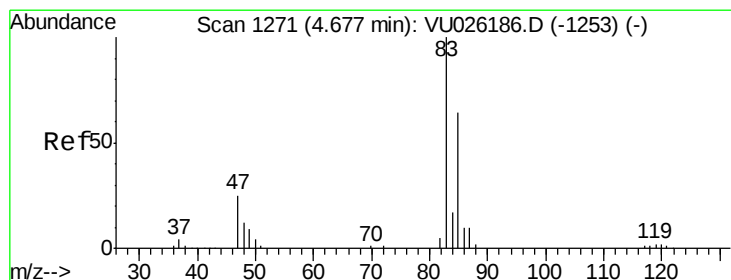
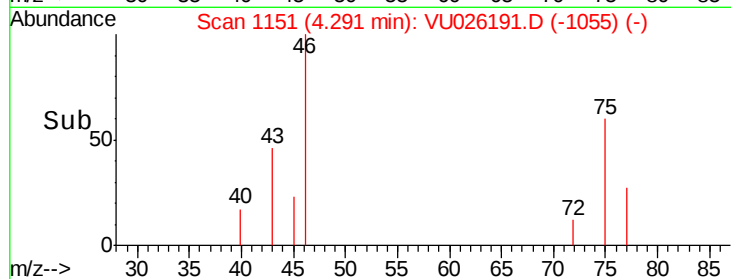
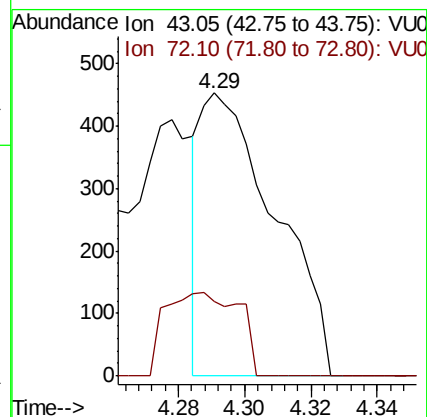
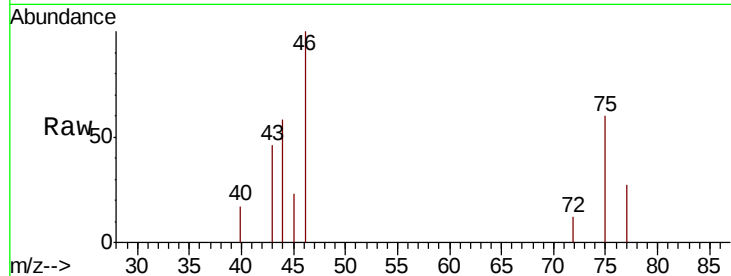
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

72 29.3 13.3 39.9



#25

Chloroform

Concen: 0.361 ug/L

RT: 4.68 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VU026191.D

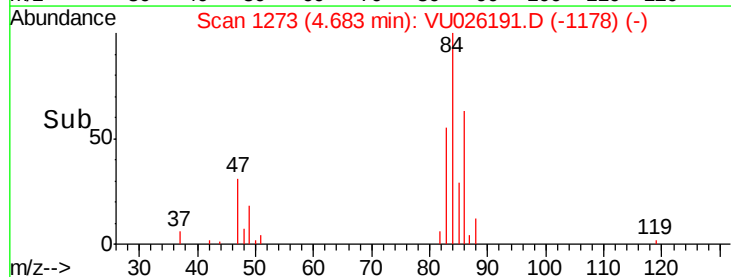
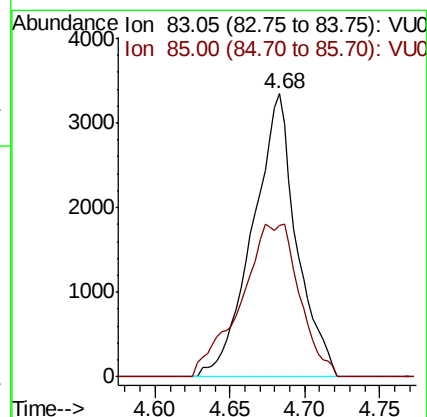
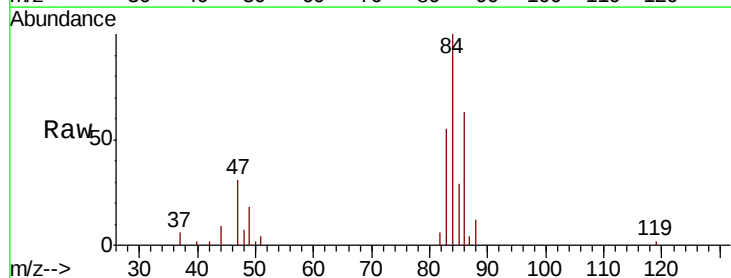
Acq: 17 Aug 2018 20:12

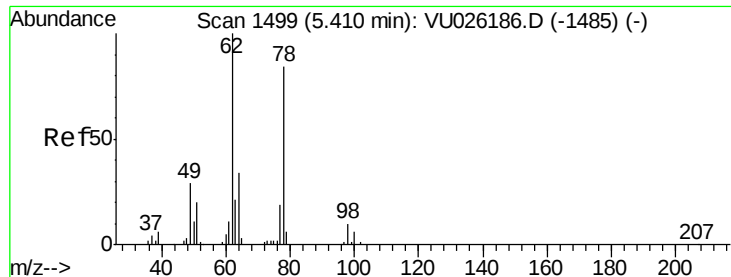
Tgt Ion: 83 Resp: 6814

Ion Ratio Lower Upper

83 100

85 53.7 45.5 84.5





#27

1,2-Dichloroethane

Concen: 0.280 ug/L

RT: 5.41 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VU026191.D

Acq: 17 Aug 2018 20:12

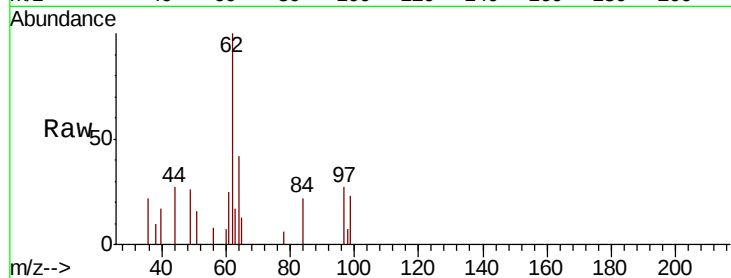
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 3136

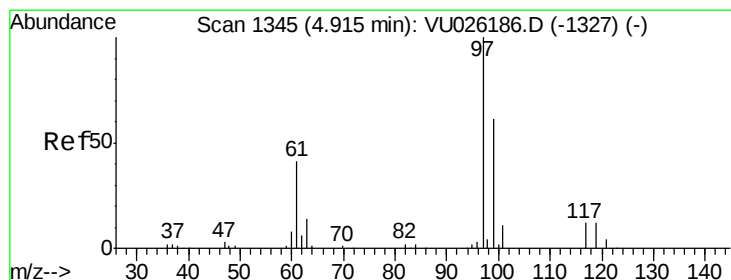
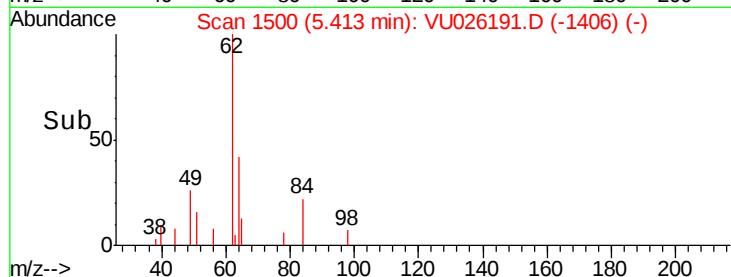
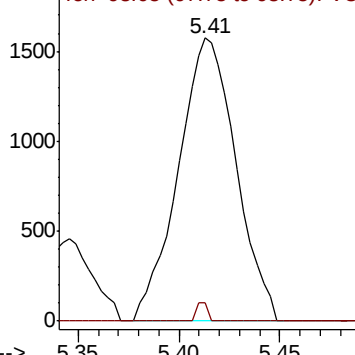
Ion Ratio Lower Upper

62 100

98 6.7 6.9 10.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0



#29

1,1,1-Trichloroethane

Concen: 373.651 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VU026191.D

Acq: 17 Aug 2018 20:12

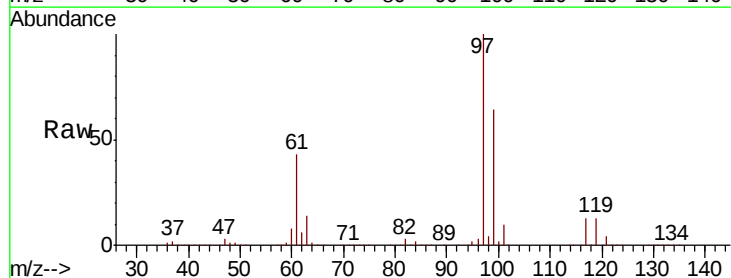
Tgt Ion: 97 Resp: 6225597

Ion Ratio Lower Upper

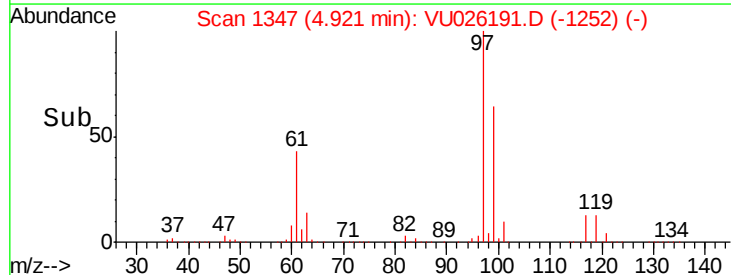
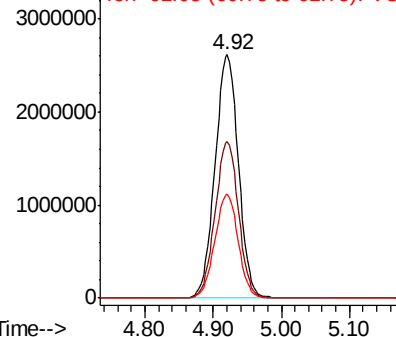
97 100

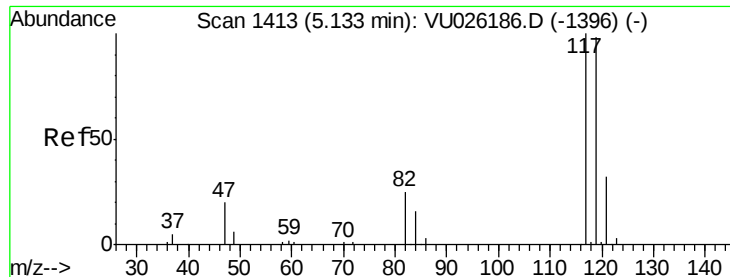
99 64.5 52.3 78.5

61 42.9 35.0 52.6



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 53.665 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.21 min

Lab File: VU026191.D

Acq: 17 Aug 2018 20:12

Instrument :

MSVOA_U

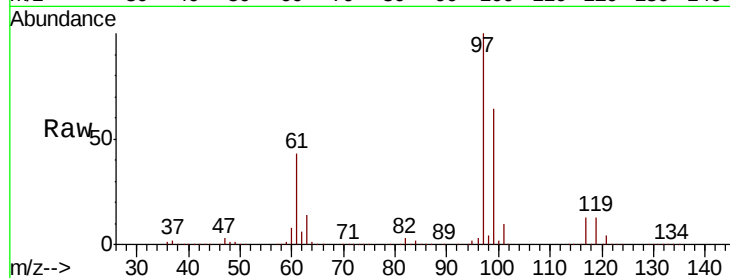
ClientSampleId :

Tot Ion:117 Resp: 813340

Ion Ratio Lower Upper

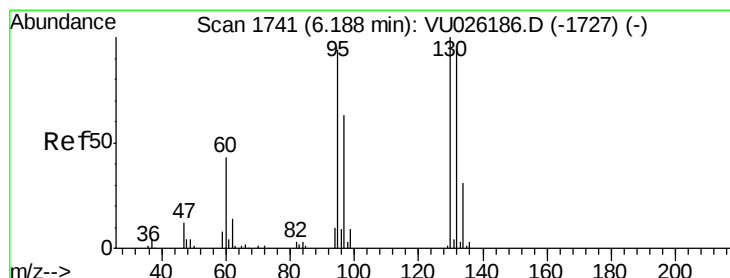
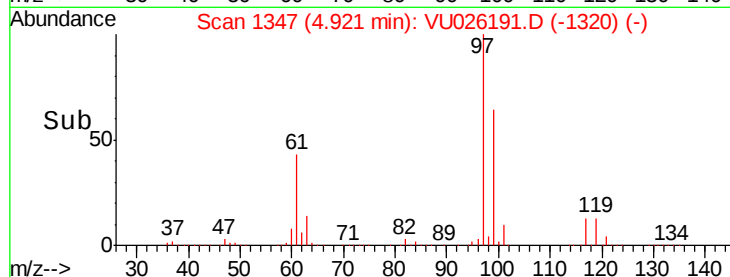
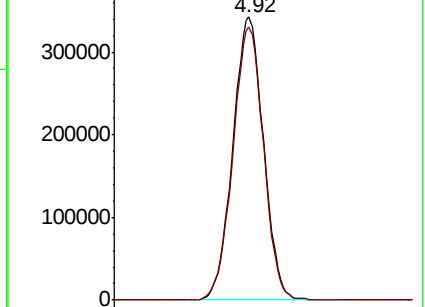
117 100

119 96.3 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 1.605 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU026191.D

Acq: 17 Aug 2018 20:12

Tgt Ion: 95 Resp: 16136

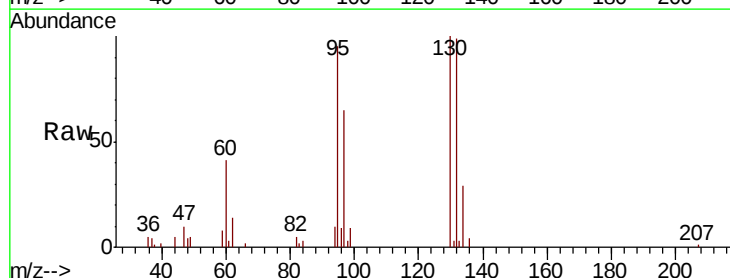
Ion Ratio Lower Upper

95 100

97 68.3 44.9 83.5

132 105.1 68.2 126.6

130 105.7 73.4 136.4

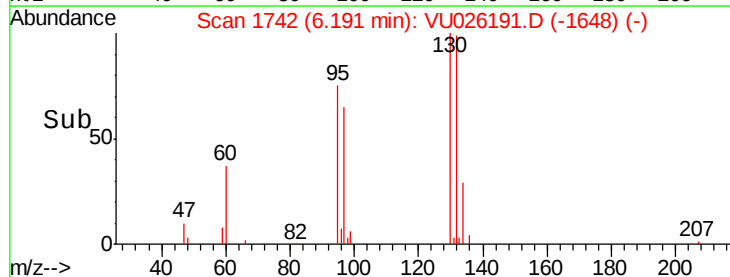
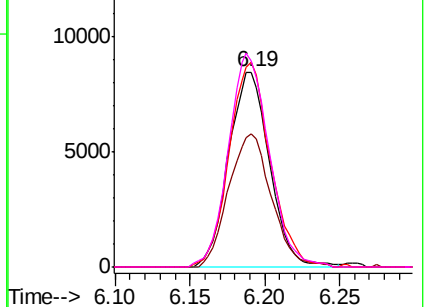


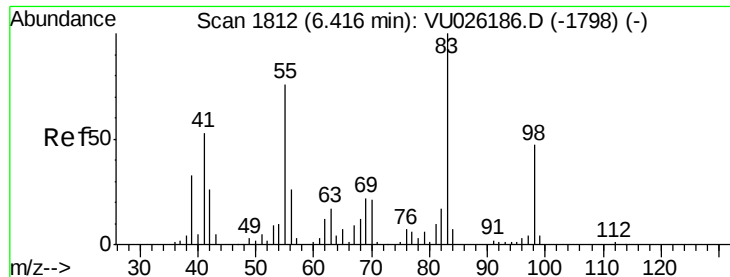
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

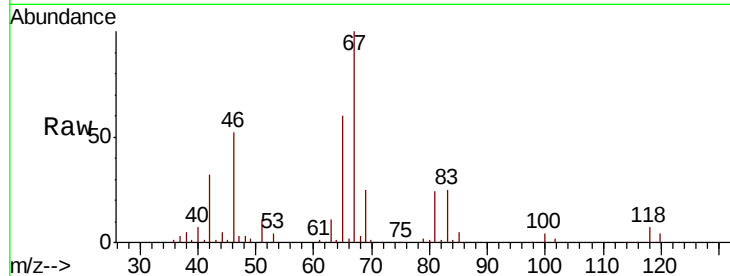




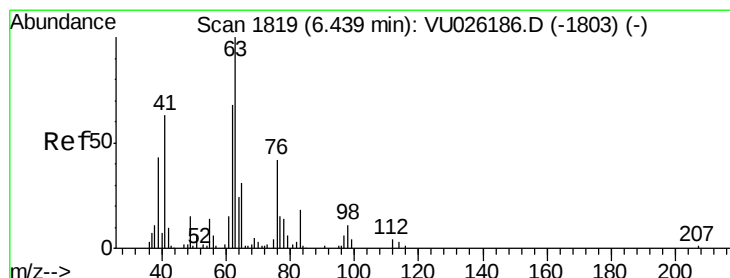
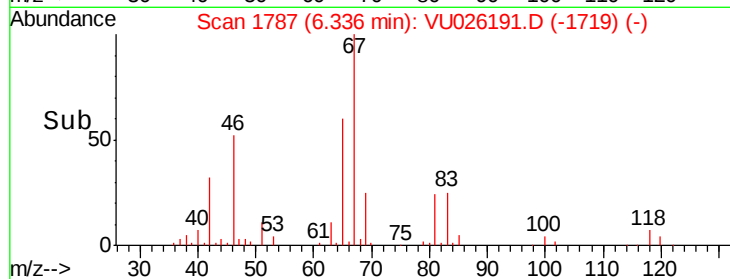
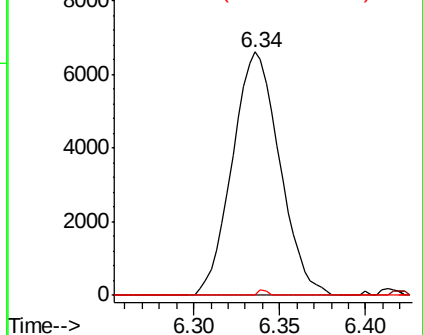
#35
Methvlcvclohexane
Concen: 0.849 ug/L
RT: 6.34 min Scan# 1787
Delta R.T. -0.08 min
Lab File: VU026191.D
Acq: 17 Aug 2018 20:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 12645
Ion Ratio Lower Upper
83 100
55 0.5 65.0 97.4#
98 0.4 37.8 56.6#

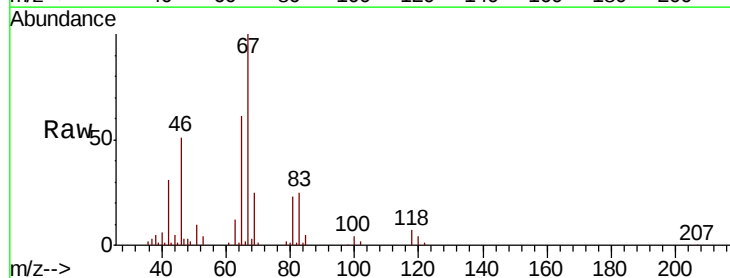


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

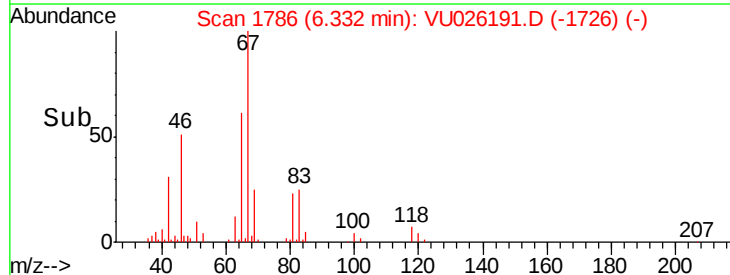
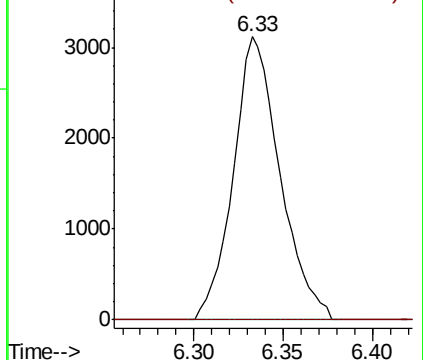


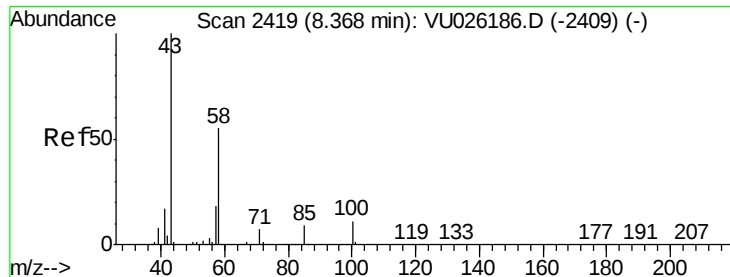
#37
1,2-Dichloropropane
Concen: 0.568 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.11 min
Lab File: VU026191.D
Acq: 17 Aug 2018 20:12

Tgt Ion: 63 Resp: 5701
Ion Ratio Lower Upper
63 100
112 0.0 1.4 2.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

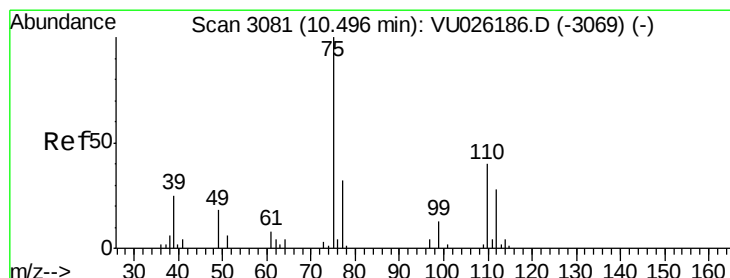
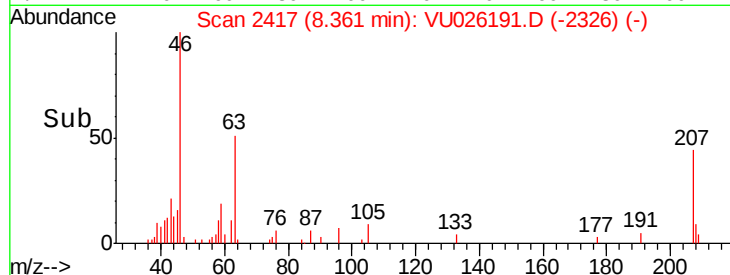
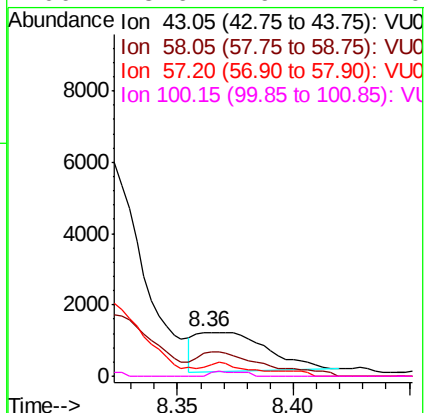
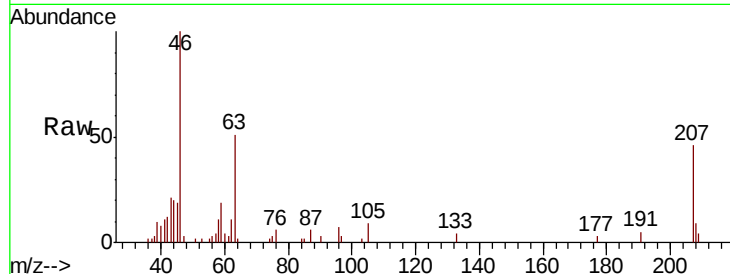




#48
2-Hexanone
Concen: 0.627 ug/L
RT: 8.36 min Scan# 2417
Delta R.T. -0.01 min
Lab File: VU026191.D
Acq: 17 Aug 2018 20:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 2362
Ion Ratio Lower Upper
43 100
58 58.3 43.1 64.7
57 19.8 15.4 23.0
100 5.6 9.4 14.0#



#59
1,2,3-Trichloropropane
Concen: 1.030 ug/L
RT: 11.49 min Scan# 3389
Delta R.T. 0.99 min
Lab File: VU026191.D
Acq: 17 Aug 2018 20:12

Tgt Ion: 75 Resp: 6251
Ion Ratio Lower Upper
75 100
77 39.0 29.0 43.4

