

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081718\
 Data File : VU026192.D
 Acq On : 17 Aug 2018 20:37
 Operator : MD/SY
 Sample : J4515-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 18 01:30:33 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	124289	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	125333	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	53599	5.00	ug/L	0.00

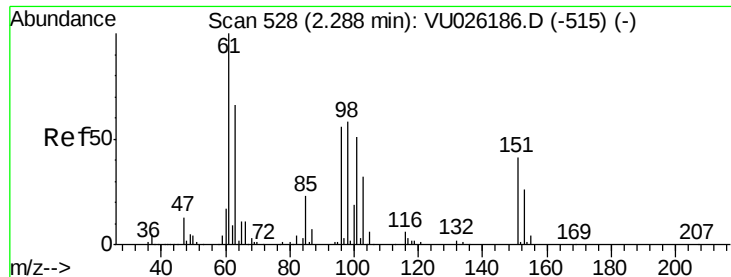
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	36646	5.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.60%
7) Chloroethane-d5	1.68	69	30307	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.60%
11) 1,1-Dichloroethene-d2	2.29	63	627007	45.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	911.80%#
20) 2-Butanone-d5	4.20	46	117228	62.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.10%
24) Chloroform-d	4.65	84	83883	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.20%
26) 1,2-Dichloroethane-d4	5.32	65	47265	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.40%
32) Benzene-d6	5.34	84	164751	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
36) 1,2-Dichloropropane-d6	6.34	67	51830	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.57	98	138540	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
43) trans-1,3-Dichloropropene-	7.85	79	20340	5.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.60%
46) 2-Hexanone-d5	8.32	63	91997	58.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.84%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	43392	5.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.20%
64) 1,2-Dichlorobenzene-d4	11.87	152	56270	6.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	3047	0.389	ug/L #	31
12) 1,1-Dichloroethene	2.29	96	1019346	141.096	ug/L #	72
13) Acetone	2.33	43	5048	4.067	ug/L	100
19) 1,1-Dichloroethane	3.45	63	186407	12.477	ug/L	98
21) 2-Butanone	4.28	43	785	0.360	ug/L #	48
25) Chloroform	4.68	83	6903	0.379	ug/L	87
27) 1,2-Dichloroethane	5.41	62	3504	0.324	ug/L #	95
29) 1,1,1-Trichloroethane	4.92	97	6203579	382.135	ug/L	99
31) Carbon tetrachloride	4.92	117	805787	54.566	ug/L	99
34) Trichloroethene	6.19	95	17130	1.748	ug/L	97
35) Methylcyclohexane	6.33	83	12504	0.861	ug/L #	17
37) 1,2-Dichloropropane	6.34	63	5893	0.602	ug/L #	95
48) 2-Hexanone	8.36	43	1823	0.497	ug/L #	81
59) 1,2,3-Trichloropropane	11.49	75	6642	1.123	ug/L	97

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



#10

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

Concen: 0.389 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026192.D

Acq: 17 Aug 2018 20:37

Instrument :

MSVOA_U

ClientSampleId :

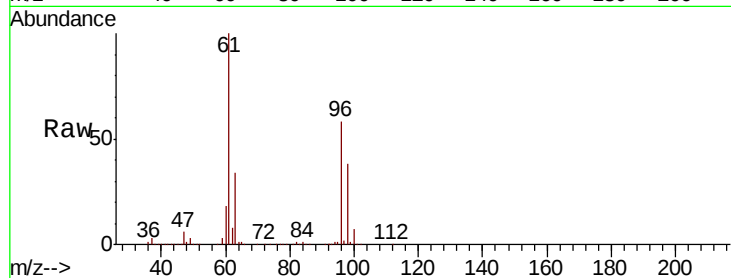
Tot Ion:101 Resp: 3047

Ion Ratio Lower Upper

101 100

85 24.7 36.6 54.8#

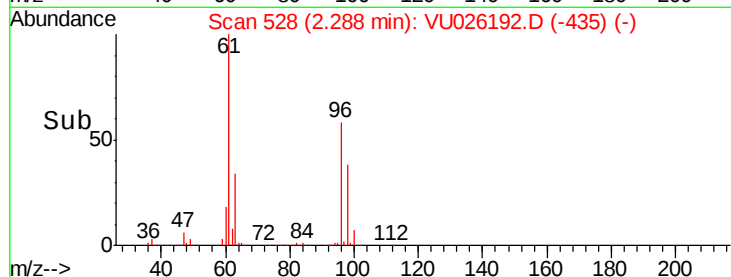
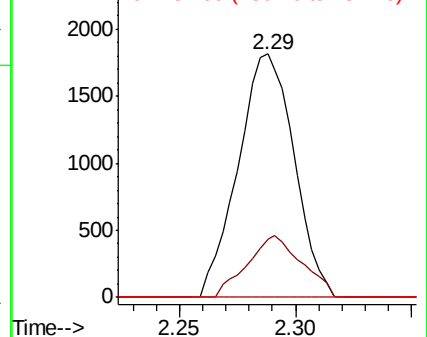
151 0.0 63.4 95.2#



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: 141.096 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026192.D

Acq: 17 Aug 2018 20:37

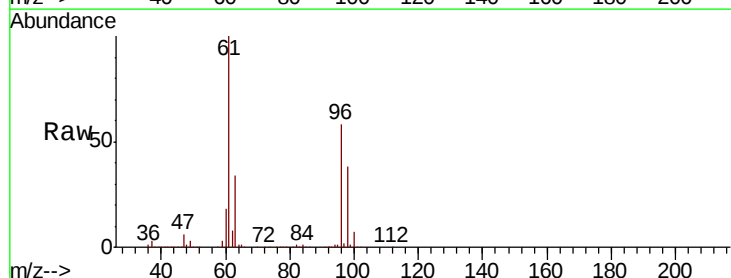
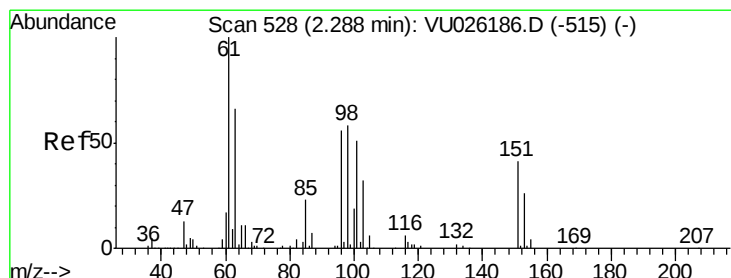
Tgt Ion: 96 Resp: 1019346

Ion Ratio Lower Upper

96 100

61 173.2 125.3 232.7

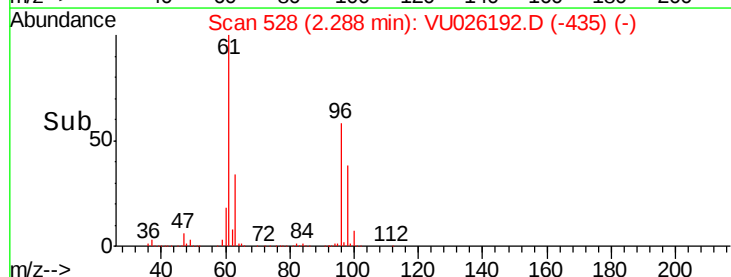
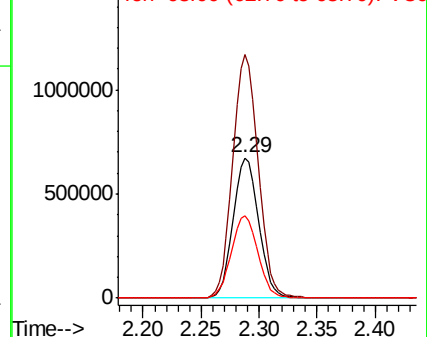
63 58.6 90.9 168.9#

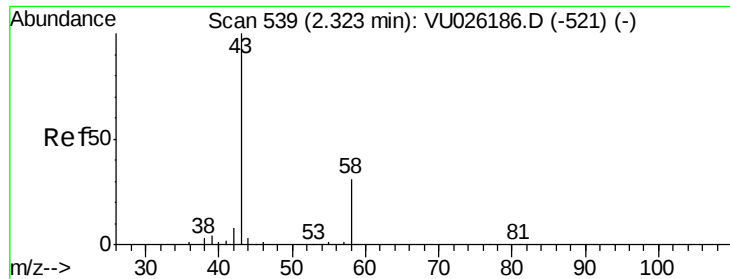


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.067 ug/L

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU026192.D

Acq: 17 Aug 2018 20:37

Instrument :

MSVOA_U

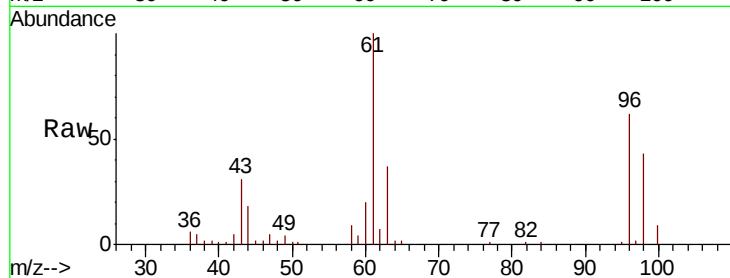
ClientSampleId :

Tot Ion: 43 Resp: 5048

Ion Ratio Lower Upper

43 100

58 29.8 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

4000

3000

2000

1000

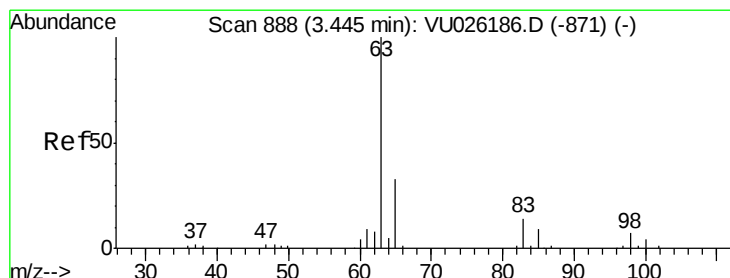
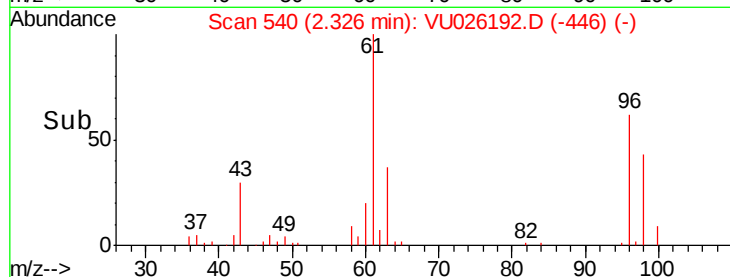
0

Time-->

2.30

2.33

2.35



#19

1,1-Dichloroethane

Concen: 12.477 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU026192.D

Acq: 17 Aug 2018 20:37

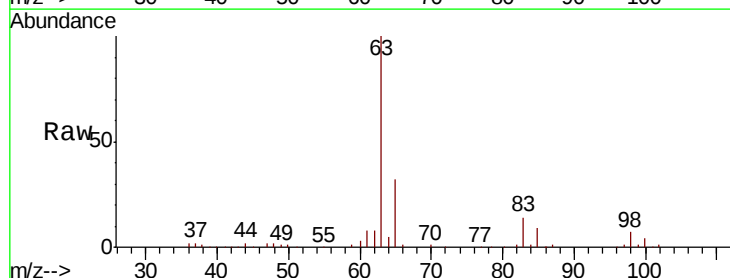
Tgt Ion: 63 Resp: 186407

Ion Ratio Lower Upper

63 100

65 32.1 23.2 43.0

83 13.6 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

100000

80000

60000

40000

20000

0

Time-->

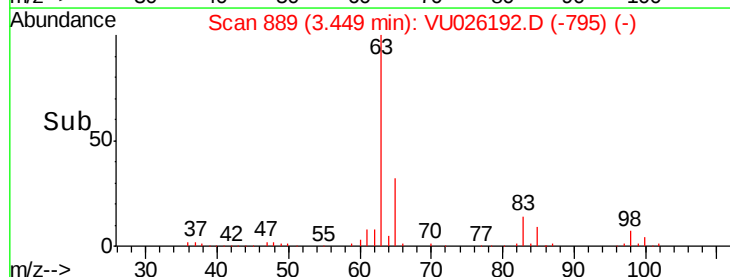
3.35

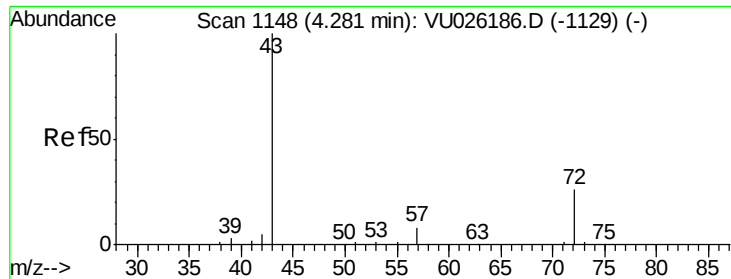
3.40

3.45

3.50

3.55





#21

2-Butanone

Concen: 0.360 ug/L

RT: 4.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VU026192.D

Acq: 17 Aug 2018 20:37

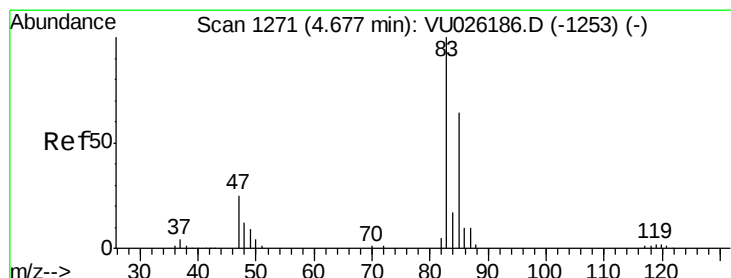
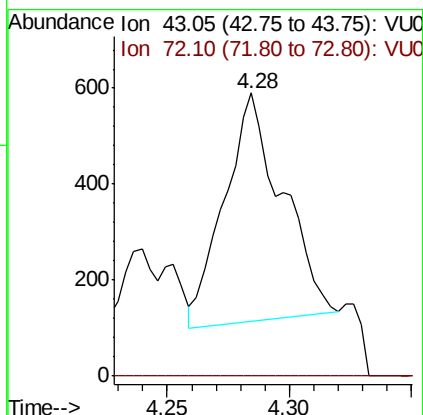
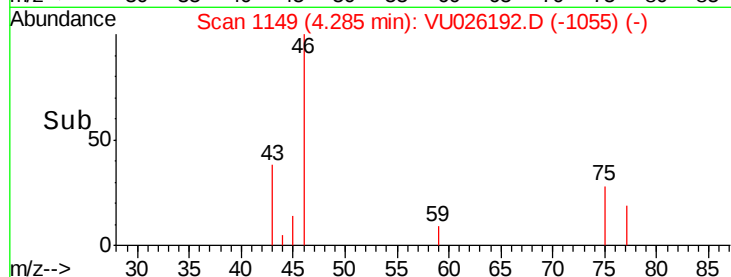
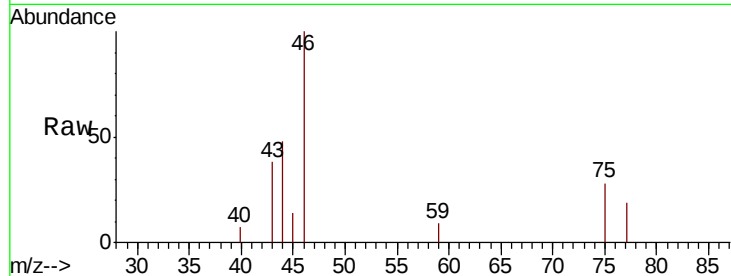
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 785

Ion Ratio Lower Upper

43 100

72 0.0 13.3 39.9#



#25

Chloroform

Concen: 0.379 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU026192.D

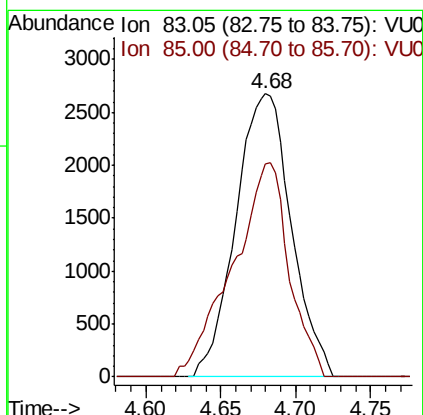
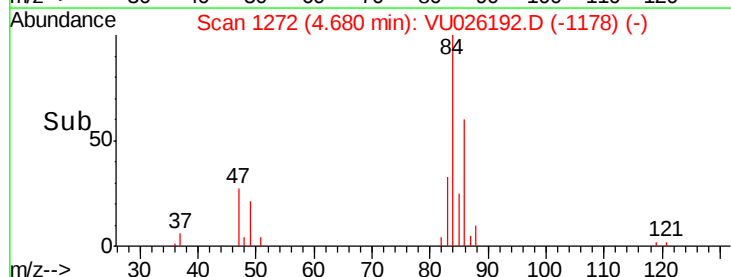
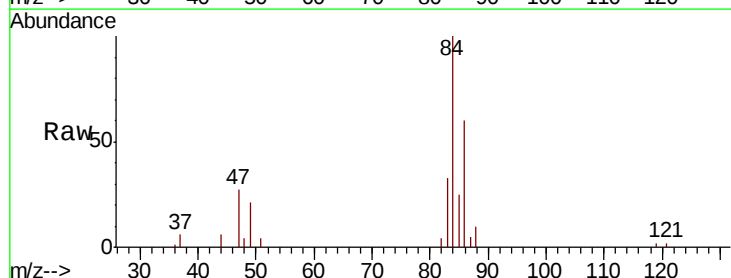
Acq: 17 Aug 2018 20:37

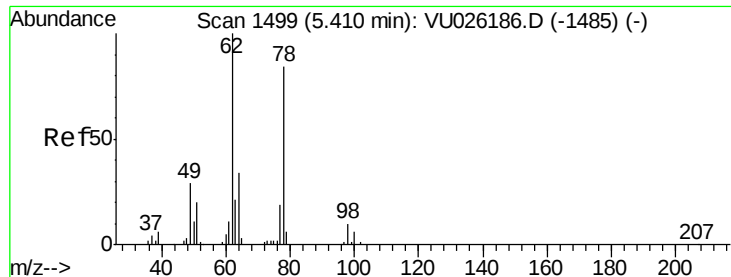
Tgt Ion: 83 Resp: 6903

Ion Ratio Lower Upper

83 100

85 75.3 45.5 84.5

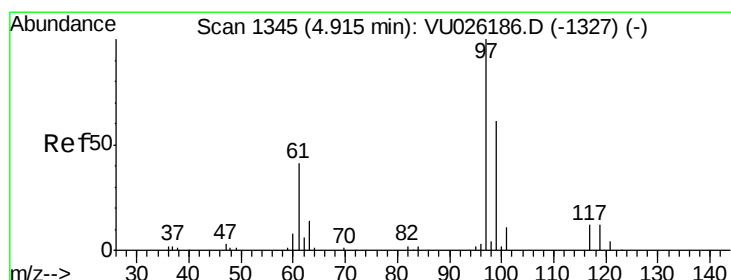
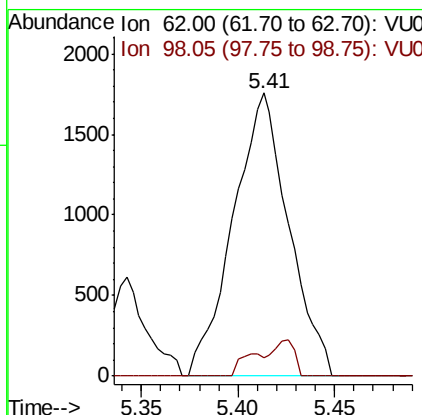
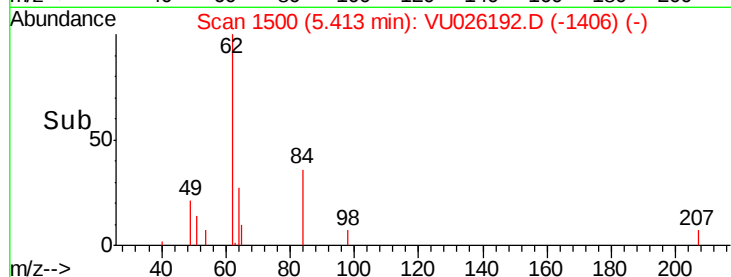
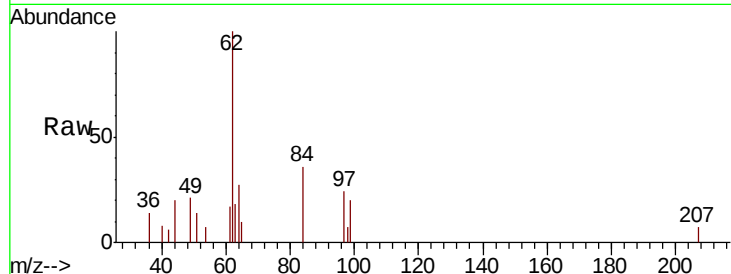




#27
 1,2-Dichloroethane
 Concen: 0.324 ug/L
 RT: 5.41 min Scan# 1500
 Delta R.T. 0.00 min
 Lab File: VU026192.D
 Acq: 17 Aug 2018 20:37

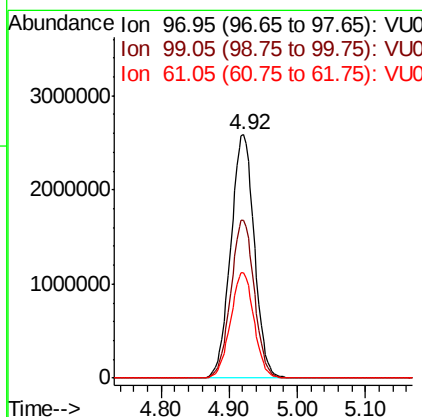
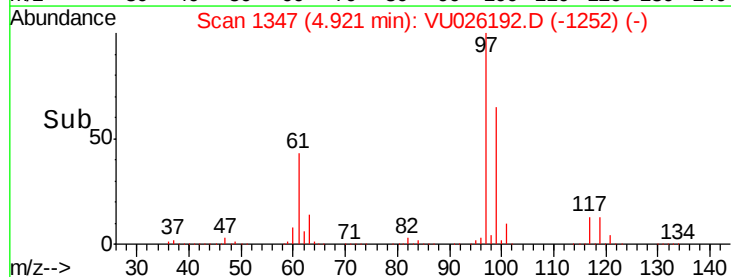
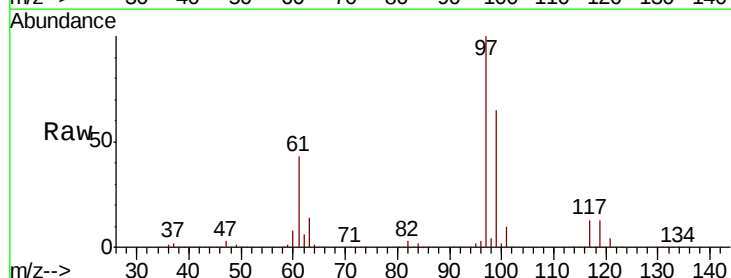
Instrument :
 MSVOA_U
 ClientSampleId :

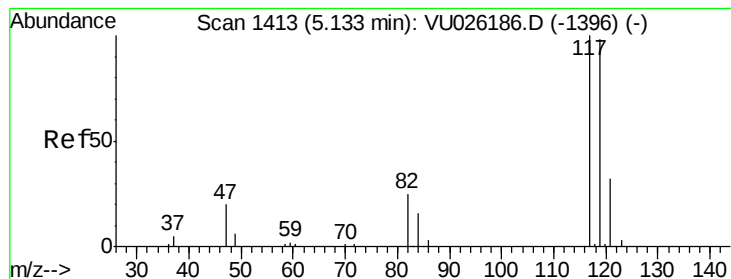
Tot Ion: 62 Resp: 3504
 Ion Ratio Lower Upper
 62 100
 98 6.7 6.9 10.3#



#29
 1,1,1-Trichloroethane
 Concen: 382.135 ug/L
 RT: 4.92 min Scan# 1347
 Delta R.T. 0.01 min
 Lab File: VU026192.D
 Acq: 17 Aug 2018 20:37

Tgt Ion: 97 Resp: 6203579
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.3 78.5
 61 43.2 35.0 52.6





#31

Carbon tetrachloride

Concen: 54.566 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.21 min

Lab File: VU026192.D

Acq: 17 Aug 2018 20:37

Instrument :

MSVOA_U

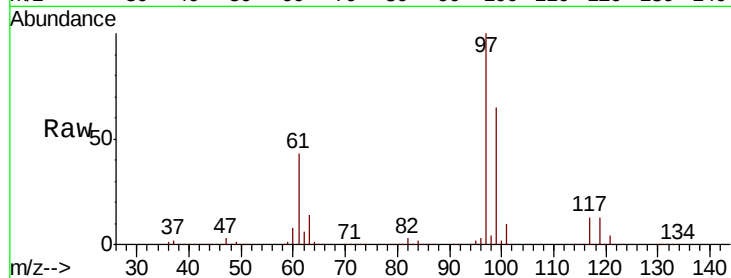
ClientSampleId :

Tot Ion:117 Resp: 805787

Ion Ratio Lower Upper

117 100

119 97.1 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.92

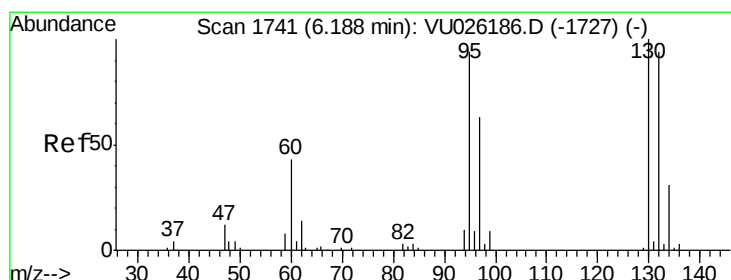
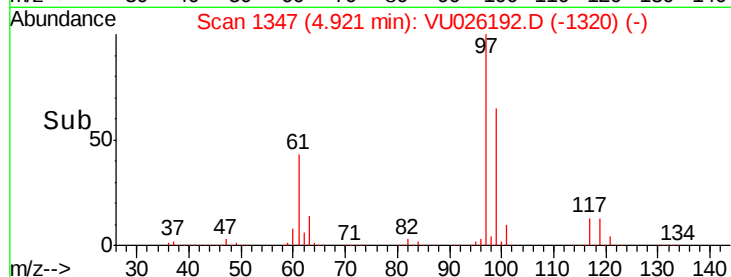
300000

200000

100000

0

Time-->



#34

Trichloroethene

Concen: 1.748 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026192.D

Acq: 17 Aug 2018 20:37

Tgt Ion: 95 Resp: 17130

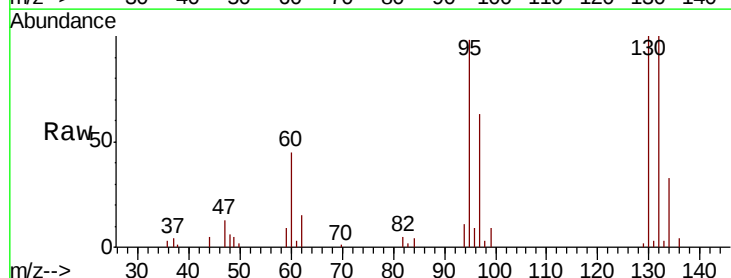
Ion Ratio Lower Upper

95 100

97 64.0 44.9 83.5

132 101.3 68.2 126.6

130 101.7 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

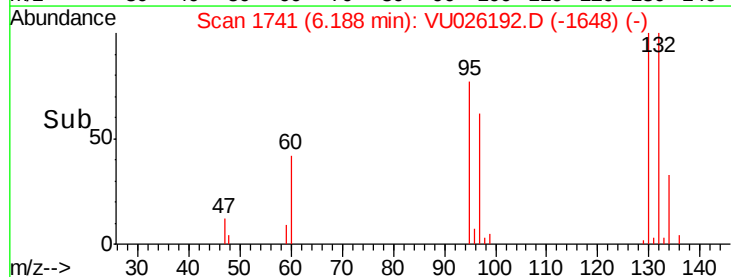
Ion 129.95 (129.65 to 130.65): V

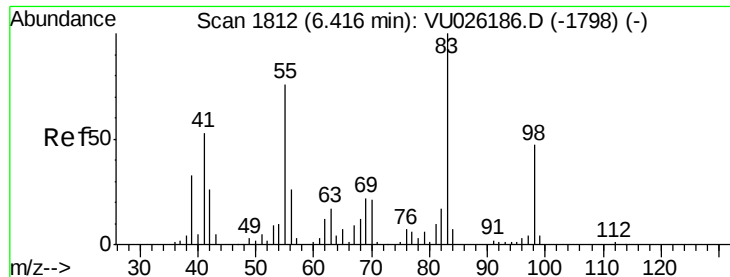
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5000

0

Time-->

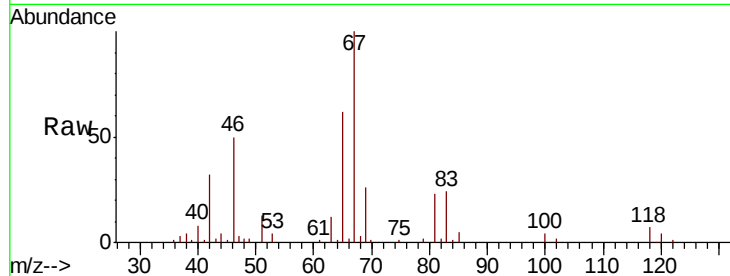




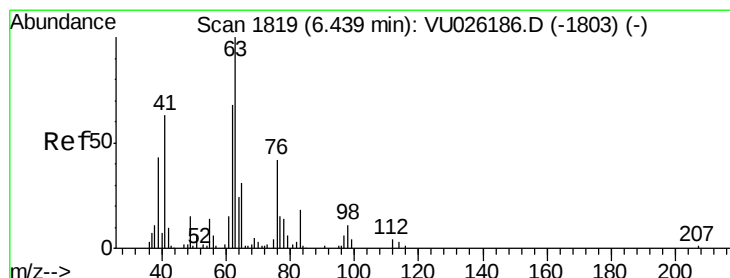
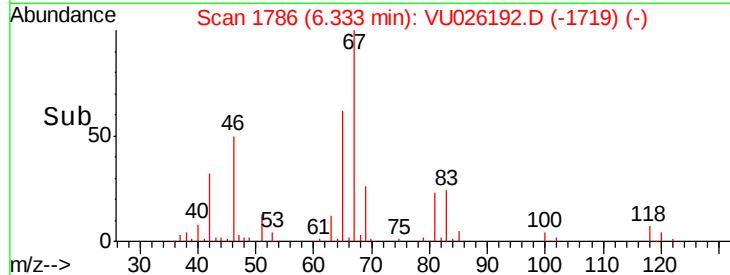
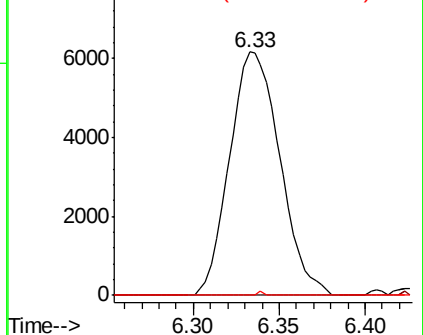
#35
Methvlcvclohexane
Concen: 0.861 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.08 min
Lab File: VU026192.D
Acq: 17 Aug 2018 20:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 12504
Ion Ratio Lower Upper
83 100
55 0.2 65.0 97.4#
98 0.2 37.8 56.6#

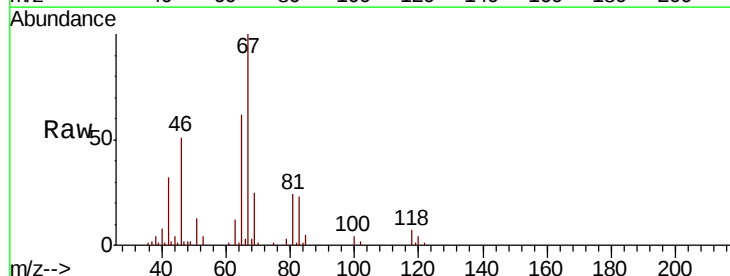


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

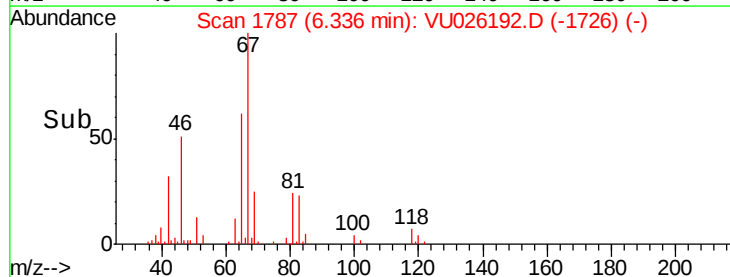
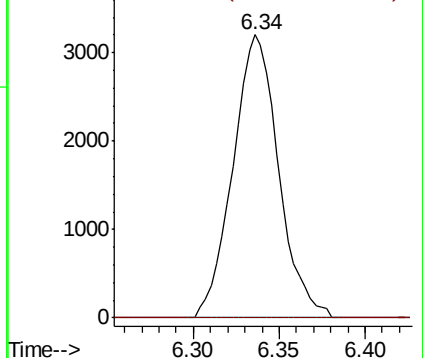


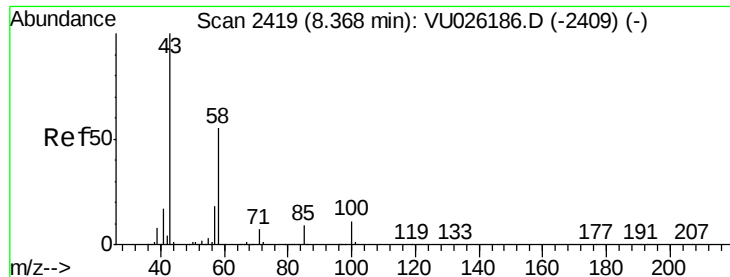
#37
1,2-Dichloropropane
Concen: 0.602 ug/L
RT: 6.34 min Scan# 1787
Delta R.T. -0.10 min
Lab File: VU026192.D
Acq: 17 Aug 2018 20:37

Tgt Ion: 63 Resp: 5893
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

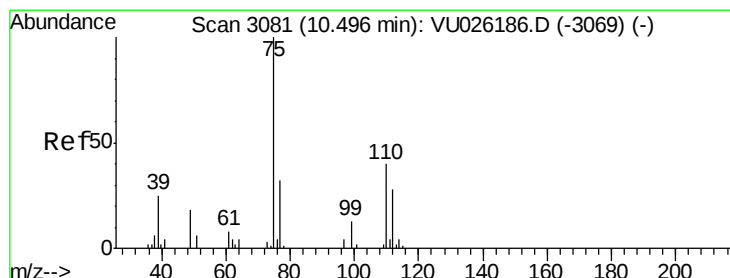
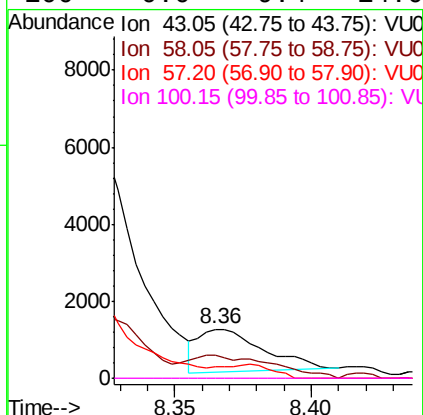
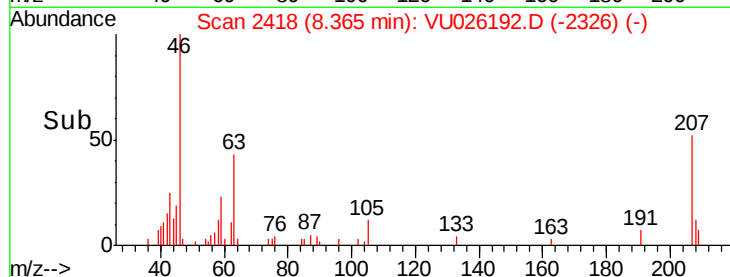
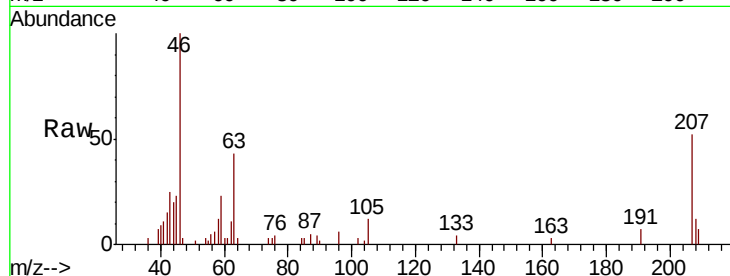




#48
2-Hexanone
Concen: 0.497 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026192.D
Acq: 17 Aug 2018 20:37

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
58 68.9 43.1 64.7#
57 22.8 15.4 23.0
100 0.0 9.4 14.0#



#59
1,2,3-Trichloropropane
Concen: 1.123 ug/L
RT: 11.49 min Scan# 3389
Delta R.T. 0.99 min
Lab File: VU026192.D
Acq: 17 Aug 2018 20:37

Tgt Ion: 75 Resp: 6642
Ion Ratio Lower Upper
75 100
77 34.6 29.0 43.4

