

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082818\
 Data File : VU026407.D
 Acq On : 28 Aug 2018 18:31
 Operator : MD/SY
 Sample : VU0828WBL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 29 01:58:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 00:08:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	62864	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	62863	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	28354	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	37926	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.68	69	29201	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.27	63	53055	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	4.20	46	73787	47.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.30%
24) Chloroform-d	4.65	84	42186	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.31	65	27562	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.34	84	100045	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.34	67	33597	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.57	98	87750	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.85	79	12234	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.32	63	55317	47.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.96%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	24878	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	32510	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

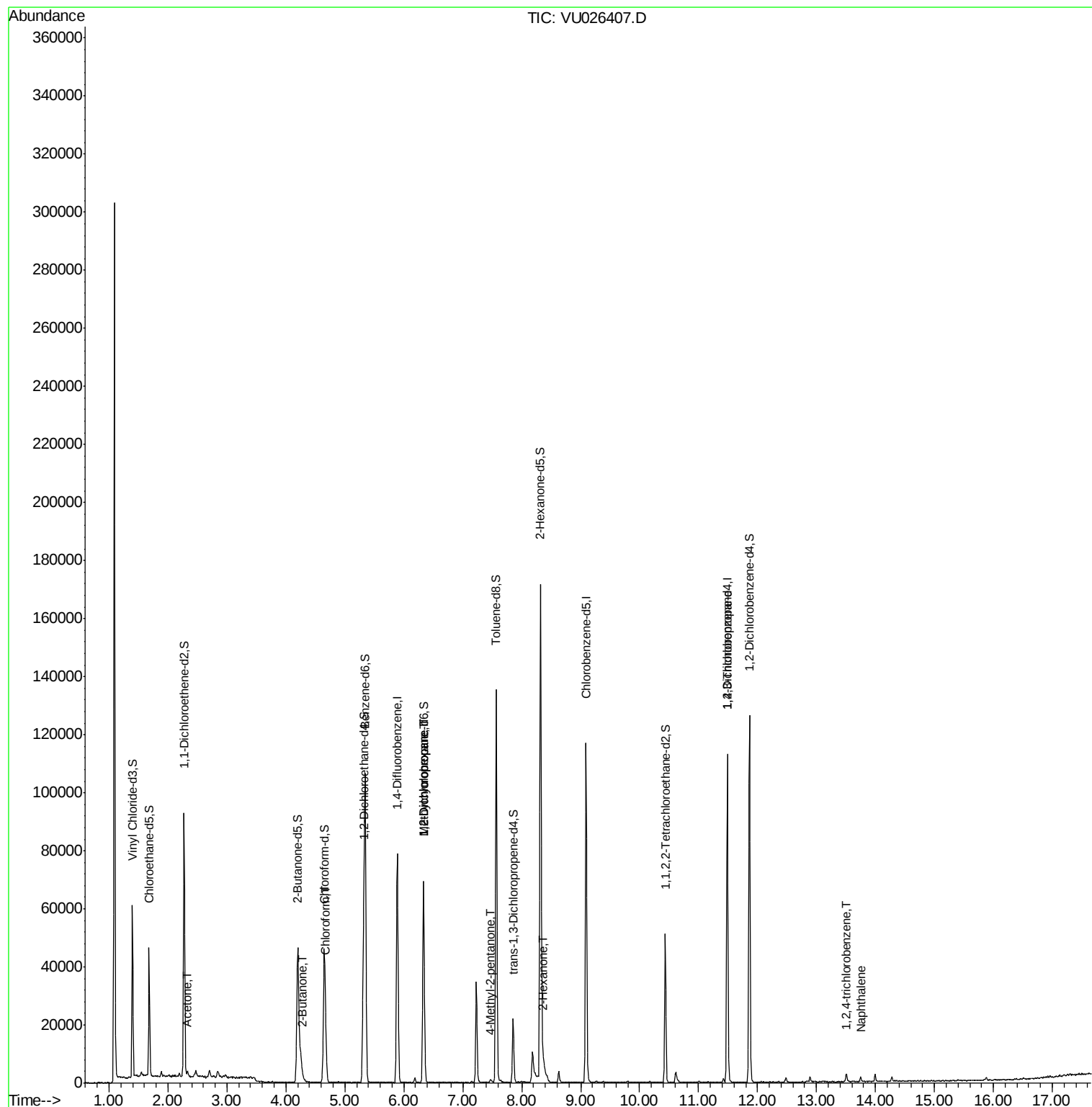
					Ovalue
13) Acetone	2.33	43	1319	1.154 ug/L	83
21) 2-Butanone	4.29	43	1229	0.838 ug/L #	53
25) Chloroform	4.68	83	9273	0.826 ug/L	92
35) Methylcyclohexane	6.33	83	7478	0.933 ug/L #	15
37) 1,2-Dichloropropane	6.34	63	3727	0.644 ug/L #	89
40) 4-Methyl-2-pentanone	7.48	43	1099	0.337 ug/L #	83
48) 2-Hexanone	8.37	43	3284	1.362 ug/L #	90
59) 1,2,3-Trichloropropane	11.49	75	3846	1.151 ug/L	95
68) 1,2,4-trichlorobenzene	13.51	180	1299	0.211 ug/L #	90
69) Naphthalene	13.75	128	1914	0.204 ug/L #	81

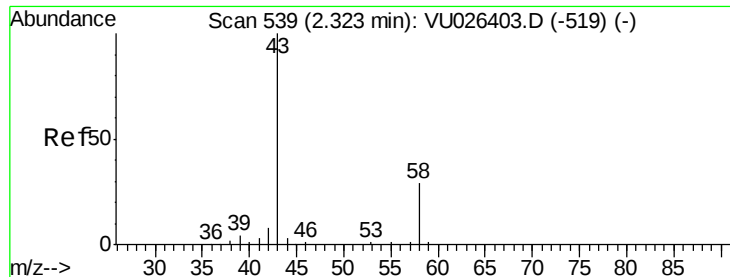
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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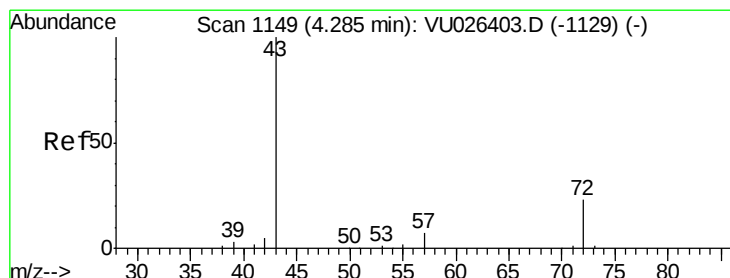
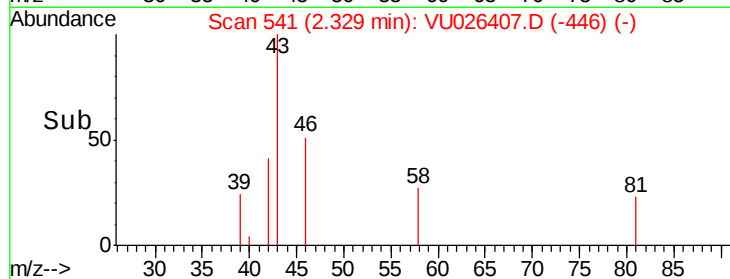
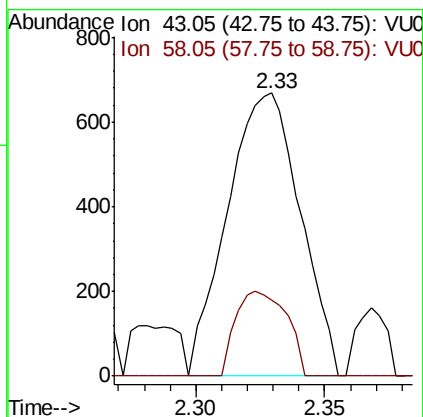
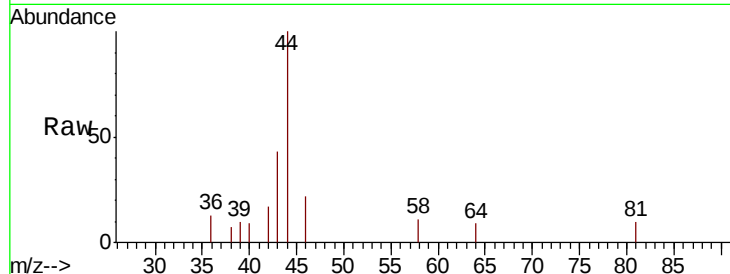




#13
Acetone
Concen: 1.154 ug/L
RT: 2.33 min Scan# 541
Delta R.T. 0.01 min
Lab File: VU026407.D
Acq: 28 Aug 2018 18:31

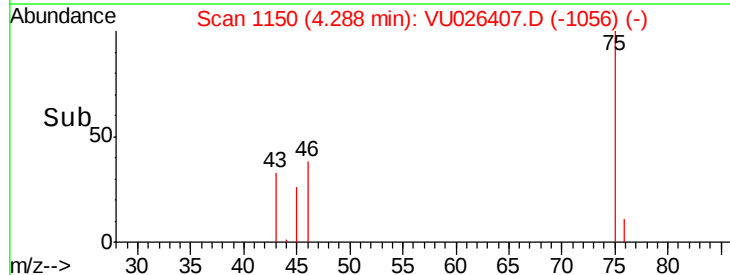
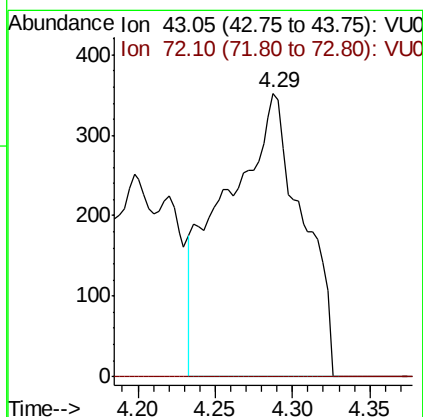
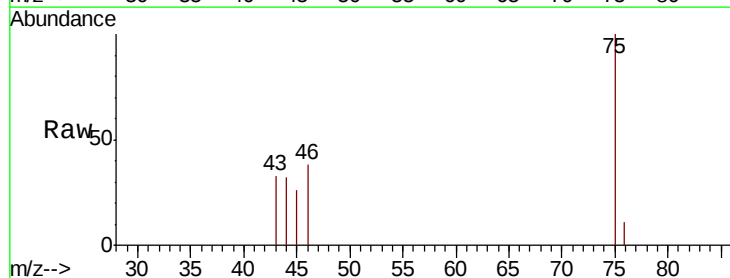
Instrument :
MSVOA_U
ClientSampleId :

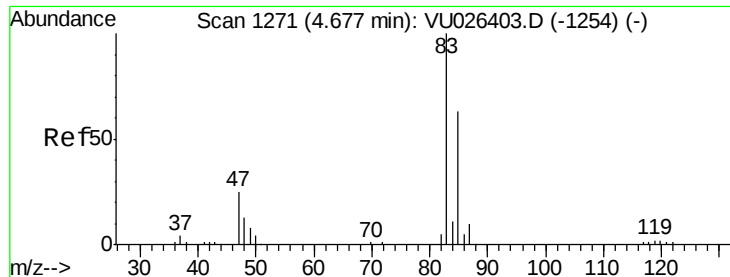
Tot Ion: 43 Resp: 1319
Ion Ratio Lower Upper
43 100
58 21.0 0.0 60.6



#21
2-Butanone
Concen: 0.838 ug/L
RT: 4.29 min Scan# 1150
Delta R.T. 0.00 min
Lab File: VU026407.D
Acq: 28 Aug 2018 18:31

Tgt Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
72 0.0 11.4 34.1#





#25

Chloroform

Concen: 0.826 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU026407.D

Acq: 28 Aug 2018 18:31

Instrument :

MSVOA_U

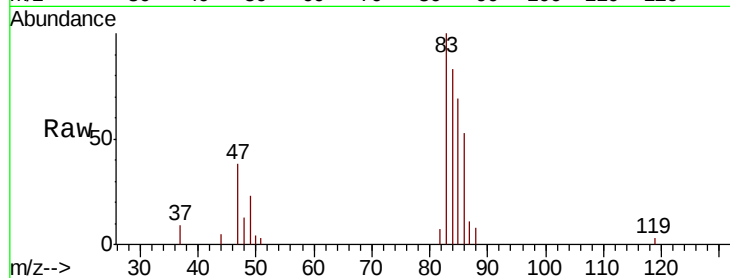
ClientSampleId :

Tot Ion: 83 Resp: 9273

Ion Ratio Lower Upper

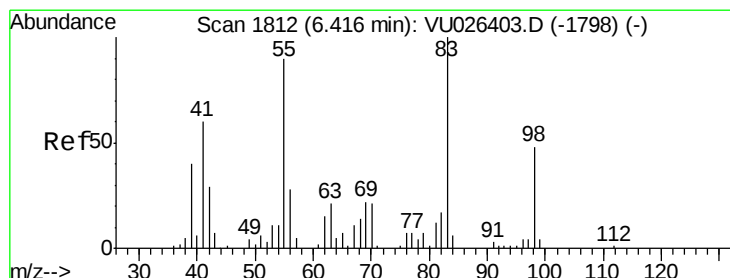
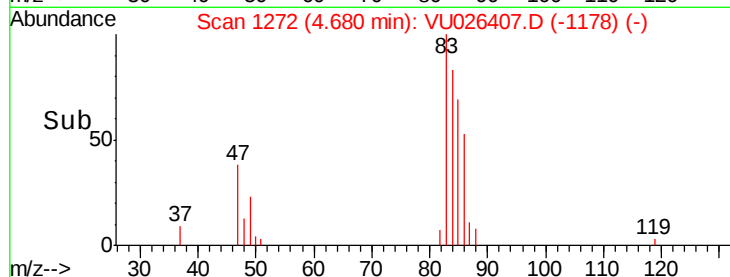
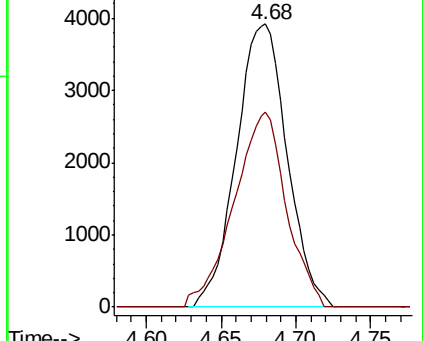
83 100

85 69.0 43.8 81.4



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#35

Methylcyclohexane

Concen: 0.933 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.08 min

Lab File: VU026407.D

Acq: 28 Aug 2018 18:31

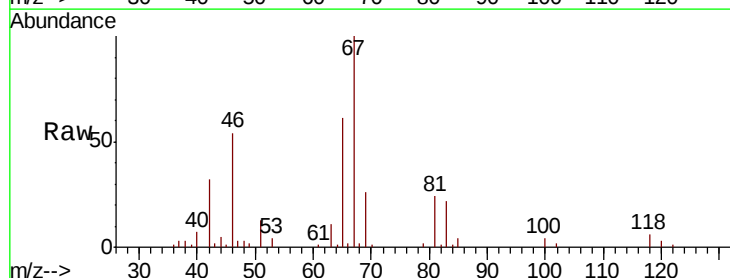
Tgt Ion: 83 Resp: 7478

Ion Ratio Lower Upper

83 100

55 0.0 68.1 102.1#

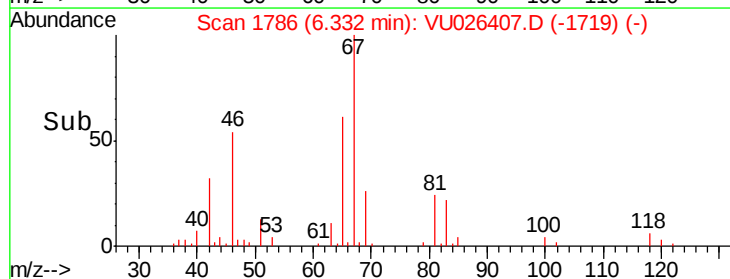
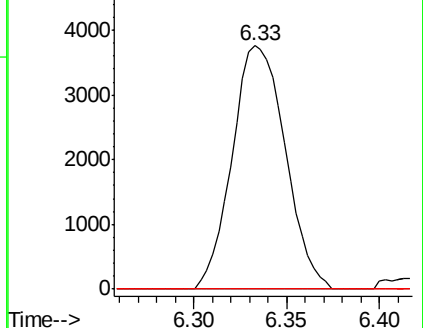
98 0.0 36.0 54.0#

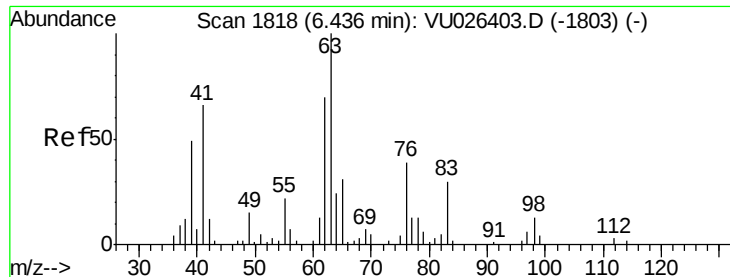


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

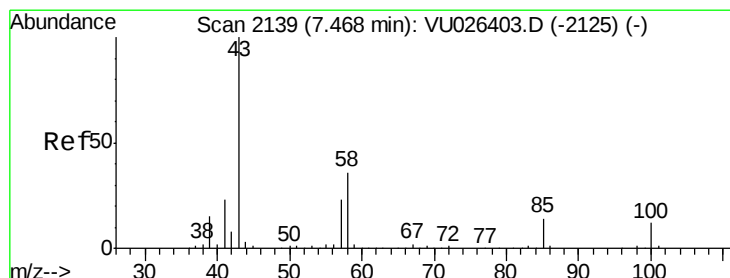
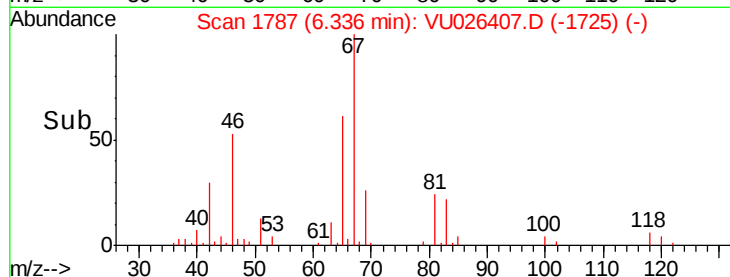
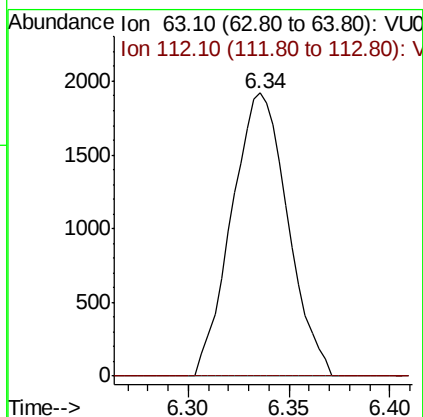
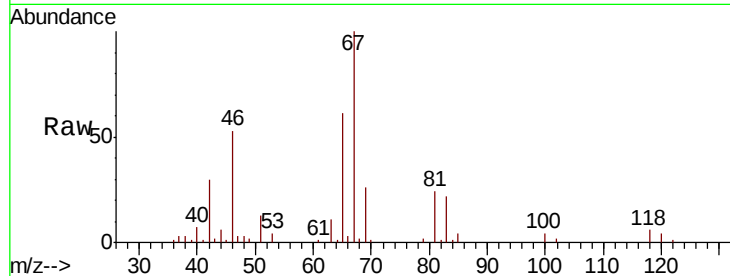




#37
 1,2-Dichloropropane
 Concen: 0.644 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU026407.D
 Acq: 28 Aug 2018 18:31

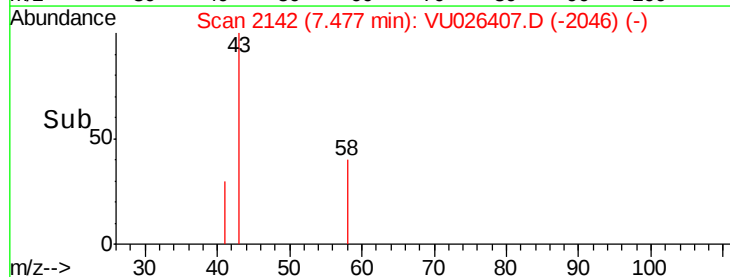
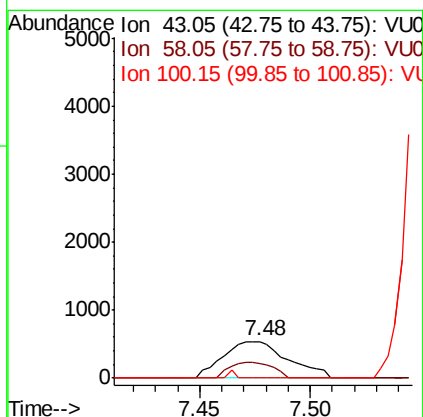
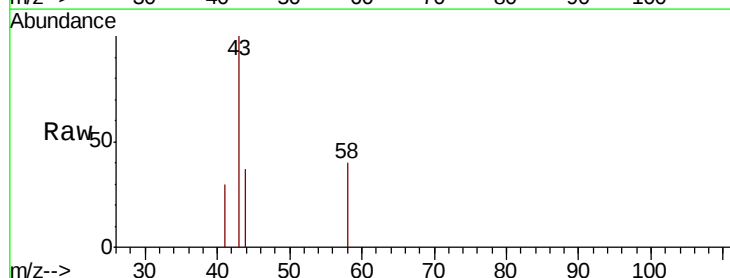
Instrument :
 MSVOA_U
 ClientSampled :

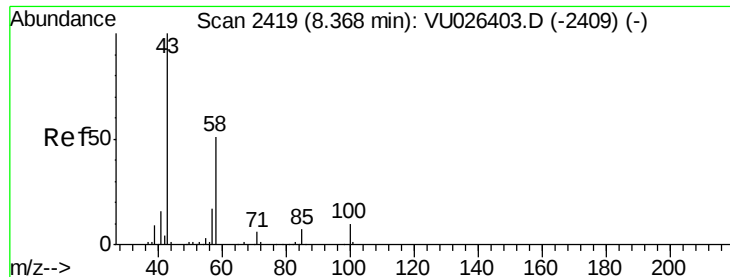
Tot Ion: 63 Resp: 3727
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#40
 4-Methyl-2-pentanone
 Concen: 0.337 ug/L
 RT: 7.48 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VU026407.D
 Acq: 28 Aug 2018 18:31

Tgt Ion: 43 Resp: 1099
 Ion Ratio Lower Upper
 43 100
 58 29.4 29.3 43.9
 100 0.0 9.8 14.8#

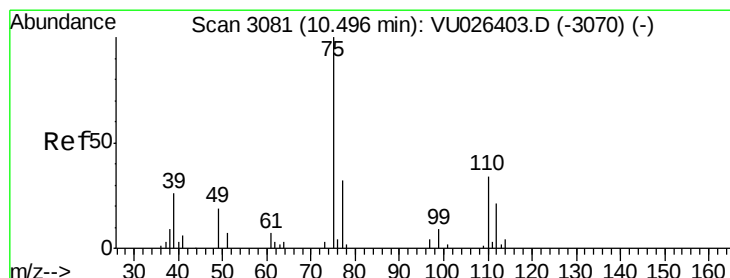
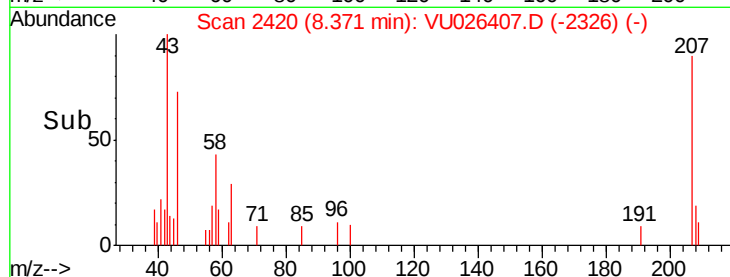
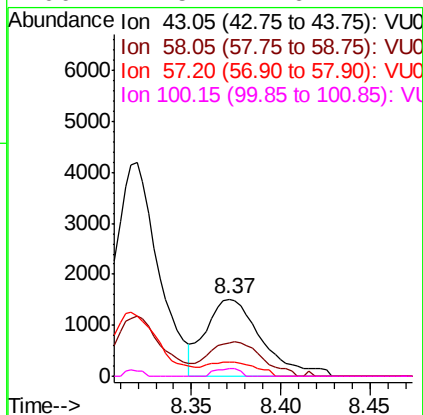
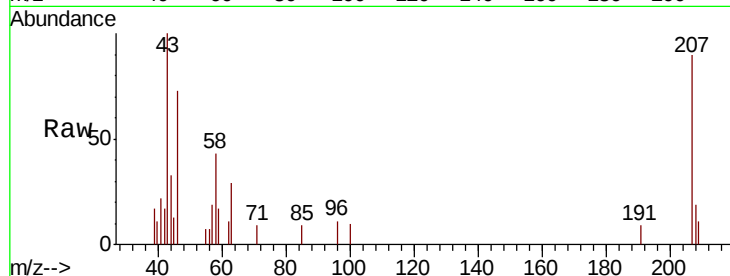




#48
2-Hexanone
Concen: 1.362 ug/L
RT: 8.37 min Scan# 2420
Delta R.T. 0.00 min
Lab File: VU026407.D
Acq: 28 Aug 2018 18:31

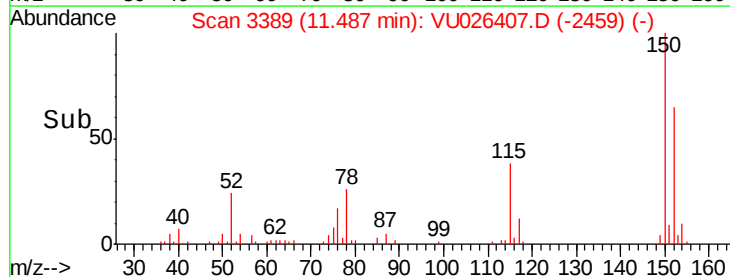
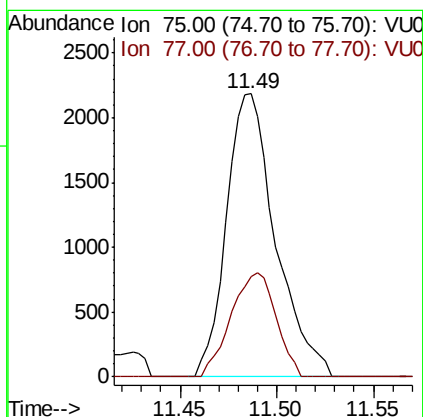
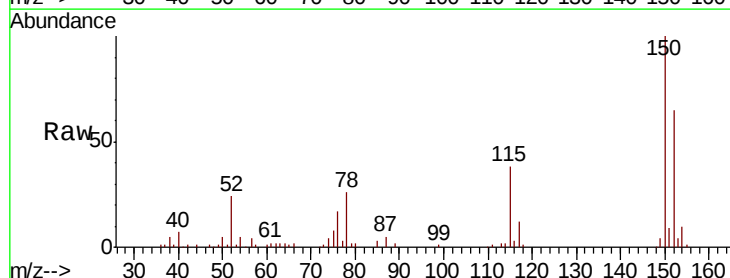
Instrument :
MSVOA_U
ClientSampled :

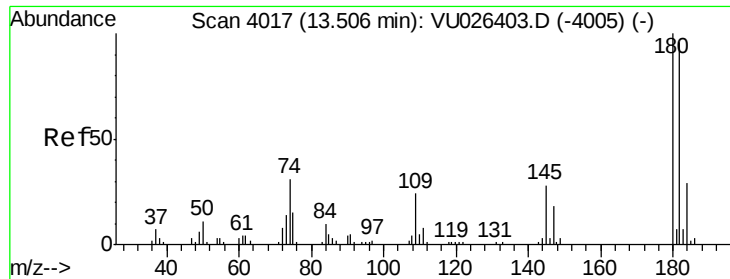
Tot Ion: 43 Resp: 3284
Ion Ratio Lower Upper
43 100
58 42.1 40.5 60.7
57 16.6 14.0 21.0
100 4.5 7.6 11.4#



#59
1,2,3-Trichloropropane
Concen: 1.151 ug/L
RT: 11.49 min Scan# 3389
Delta R.T. 0.99 min
Lab File: VU026407.D
Acq: 28 Aug 2018 18:31

Tgt Ion: 75 Resp: 3846
Ion Ratio Lower Upper
75 100
77 33.7 25.0 37.4

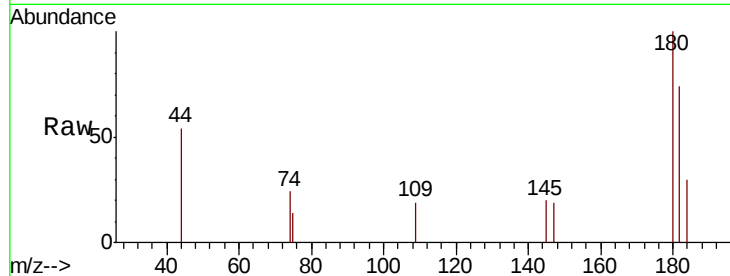




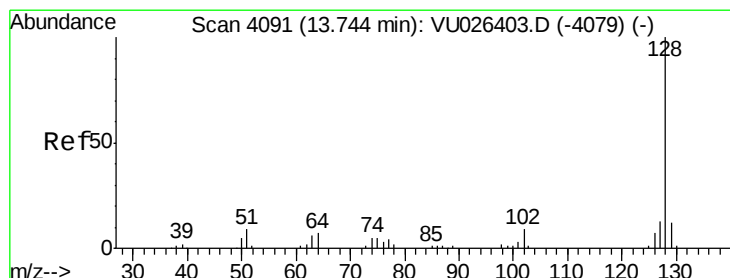
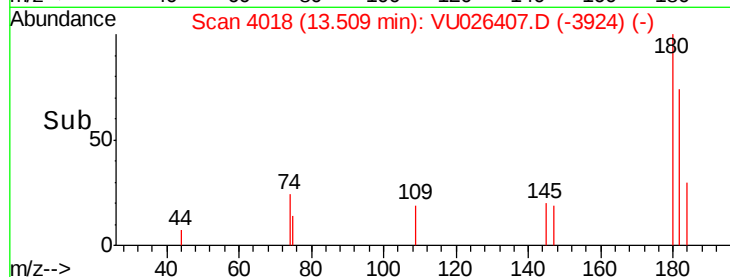
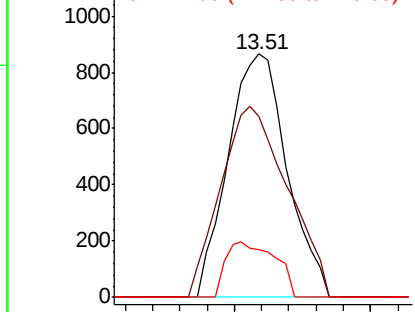
#68
 1,2,4-trichlorobenzene
 Concen: 0.211 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU026407.D
 Acq: 28 Aug 2018 18:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 1299
 Ion Ratio Lower Upper
 180 100
 182 89.2 76.9 115.3
 145 19.0 23.6 35.4#

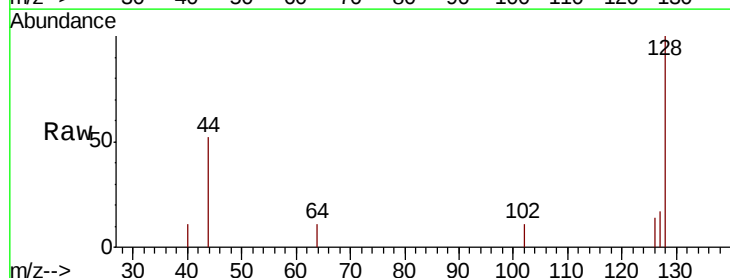


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V



#69
 Naphthalene
 Concen: 0.204 ug/L
 RT: 13.75 min Scan# 4093
 Delta R.T. 0.01 min
 Lab File: VU026407.D
 Acq: 28 Aug 2018 18:31

Tgt Ion:128 Resp: 1914
 Ion Ratio Lower Upper
 128 100
 129 0.0 9.0 13.6#
 127 9.0 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

