

Data File : VU034904.D
Acq On : 01 Oct 2019 21:41
Operator : JC/SP
Sample : K5028-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDL8

Quant Time: Oct 02 01:56:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 02 01:50:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	356853	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	347231	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	148236	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	99542	39.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.60%
7) Chloroethane-d5	1.67	69	90888	43.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.50%
11) 1,1-Dichloroethene-d2	2.26	63	152830	34.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.56%
21) 2-Butanone-d5	4.15	46	277563	113.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.73%
24) Chloroform-d	4.62	84	223604	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.14%
26) 1,2-Dichloroethane-d4	5.29	65	166111	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.22%
32) Benzene-d6	5.32	84	438903	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.88%
36) 1,2-Dichloropropane-d6	6.31	67	157531	48.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.94%
41) Toluene-d8	7.54	98	408035	45.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.76%
43) trans-1,3-Dichloropropene-	7.83	79	69216	48.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.18%
47) 2-Hexanone-d5	8.29	63	187417	120.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.48%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	222678	47.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.94%
64) 1,2-Dichlorobenzene-d4	11.84	152	146203	49.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.14%

Target Compounds

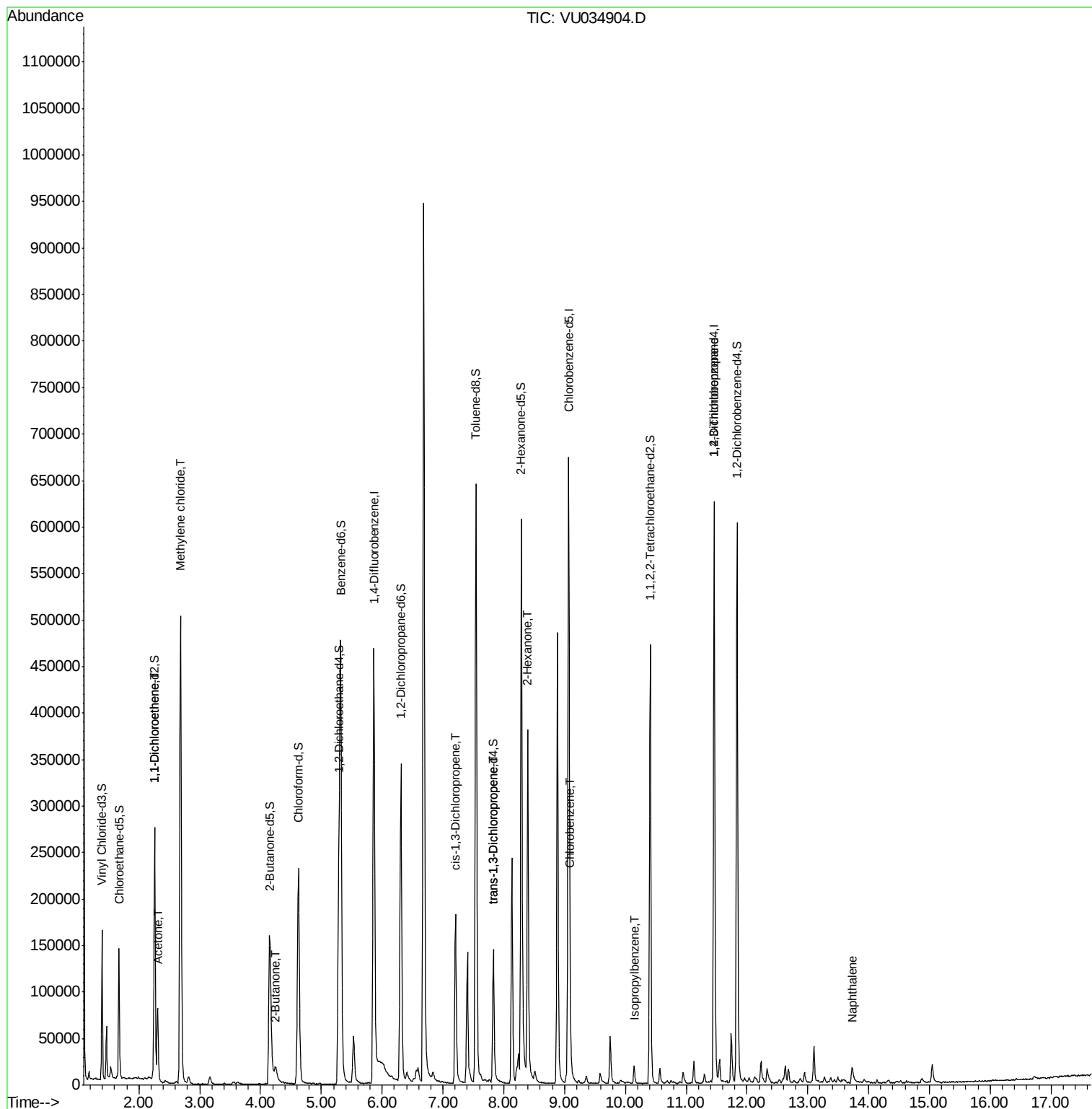
					Qvalue	
12) 1,1-Dichloroethene	2.25	96	1118	0.835	ug/L #	1
13) Acetone	2.31	43	85104	43.875	ug/L	97
16) Methylene chloride	2.68	84	202892	103.784	ug/L	97
22) 2-Butanone	4.25	43	28087	11.149	ug/L	100
39) cis-1,3-Dichloropropene	7.21	75	4787	1.357	ug/L	88
44) trans-1,3-Dichloropropene	7.83	75	3202	0.995	ug/L #	76
48) 2-Hexanone	8.40	43	54826	14.226	ug/L #	1
51) Chlorobenzene	9.10	112	15019	2.781	ug/L	95
56) Isopropylbenzene	10.14	105	12539	1.302	ug/L	98
59) 1,2,3-Trichloropropane	11.46	75	22472	5.954	ug/L	91
69) Naphthalene	13.73	128	19621	2.737	ug/L #	91

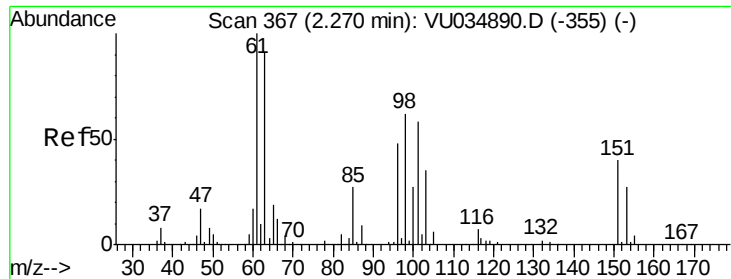
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.835 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU034904.D

Acq: 01 Oct 2019 21:41

Instrument :

MSVOA_U

ClientSampled :

BFDL8

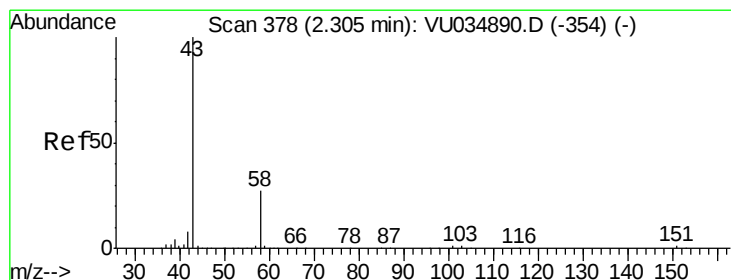
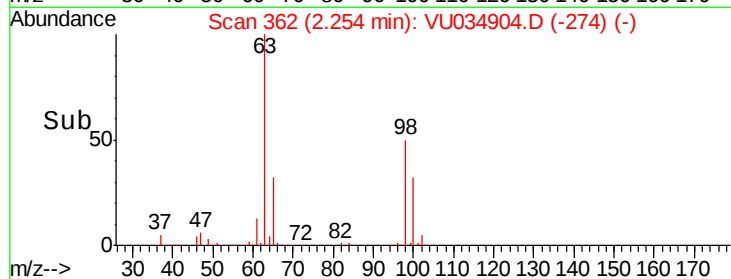
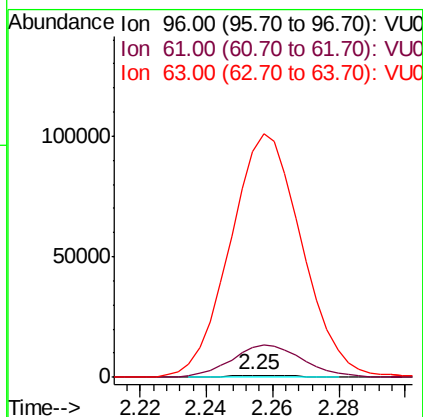
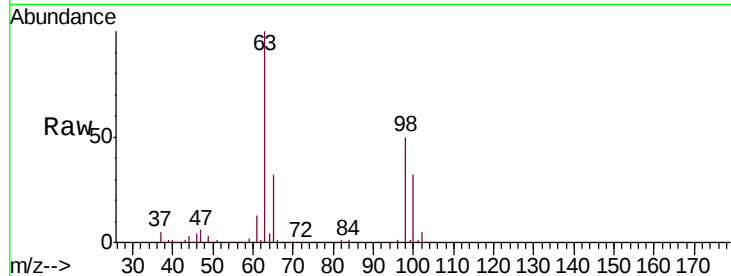
Tgt Ion: 96 Resp: 1118

Ion Ratio Lower Upper

96 100

61 1706.5 147.0 273.0#

63 12951.8 140.5 260.9#



#13

Acetone

Concen: 43.875 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034904.D

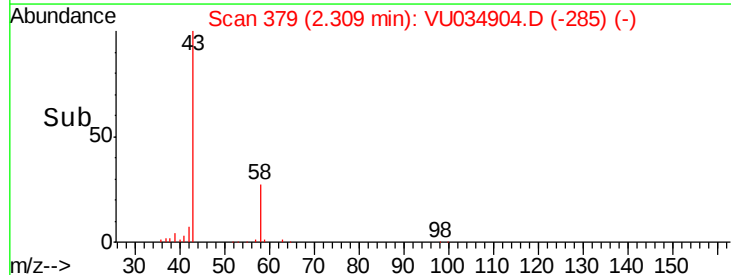
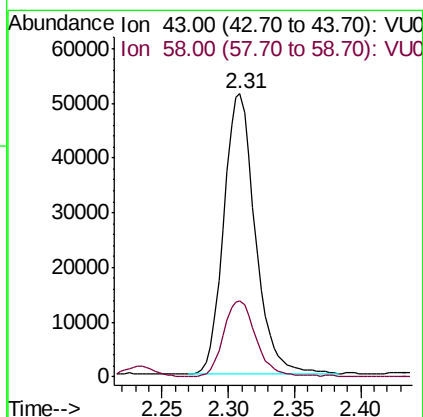
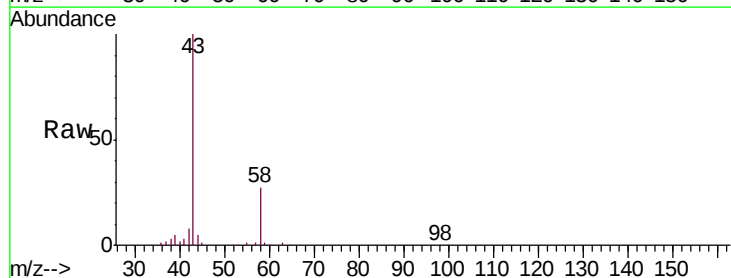
Acq: 01 Oct 2019 21:41

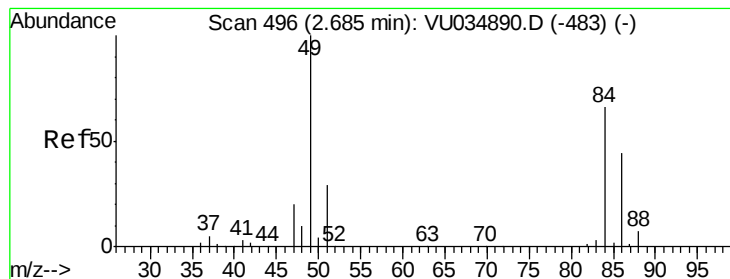
Tgt Ion: 43 Resp: 85104

Ion Ratio Lower Upper

43 100

58 28.1 0.0 52.6





#16

Methylene chloride

Concen: 103.784 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034904.D

Acq: 01 Oct 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

BFDL8

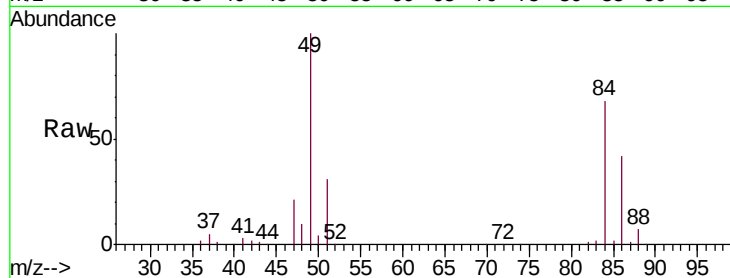
Tgt Ion: 84 Resp: 202892

Ion Ratio Lower Upper

84 100

86 61.4 44.7 82.9

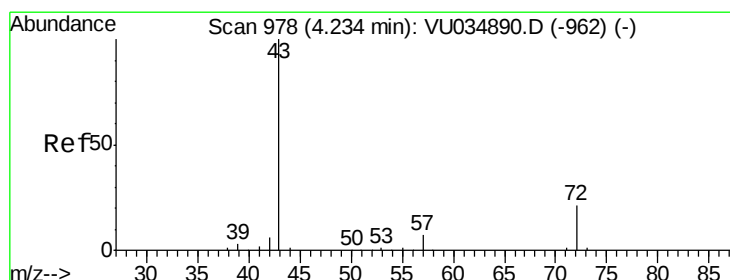
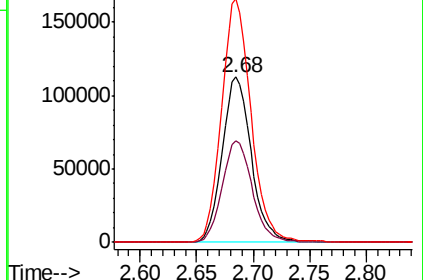
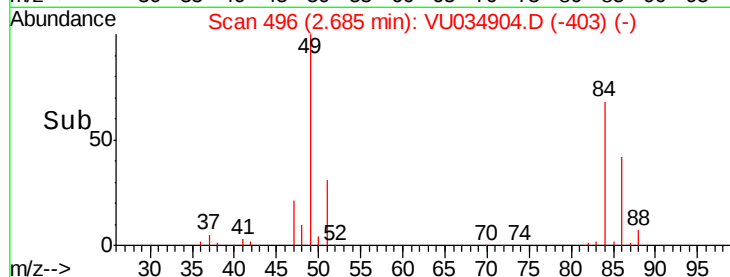
49 147.2 100.7 186.9



Abundance Ion 84.00 (83.70 to 84.70): VU034904.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU034904.D (-403) (-)

Ion 49.00 (48.70 to 49.70): VU034904.D (-403) (-)



#22

2-Butanone

Concen: 11.149 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.02 min

Lab File: VU034904.D

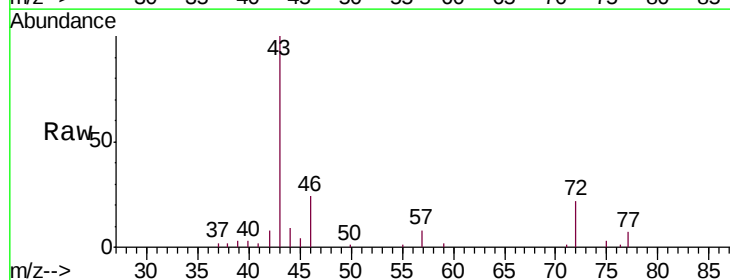
Acq: 01 Oct 2019 21:41

Tgt Ion: 43 Resp: 28087

Ion Ratio Lower Upper

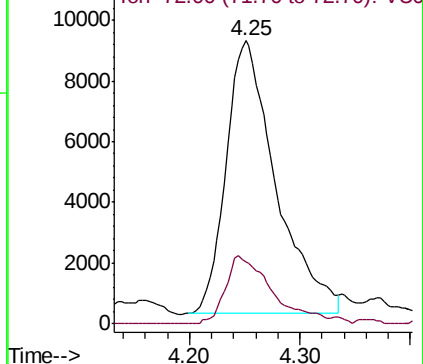
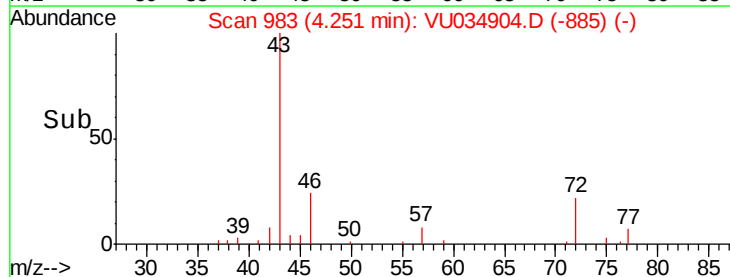
43 100

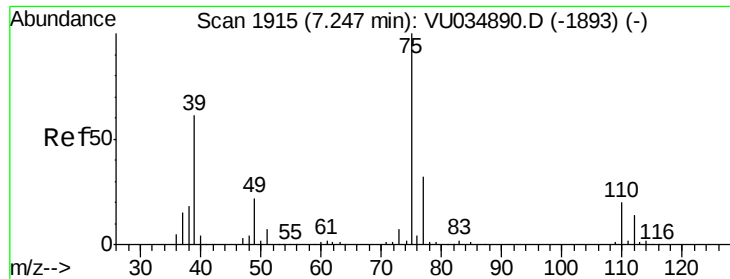
72 22.6 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VU034904.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VU034904.D (-885) (-)

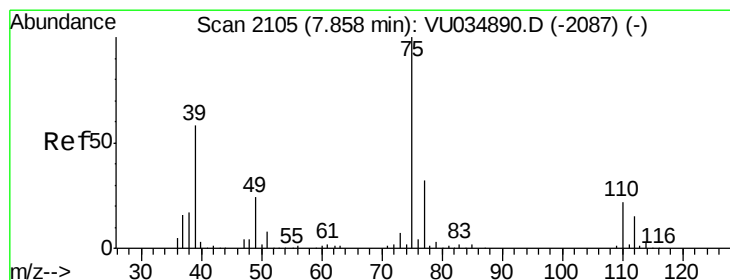
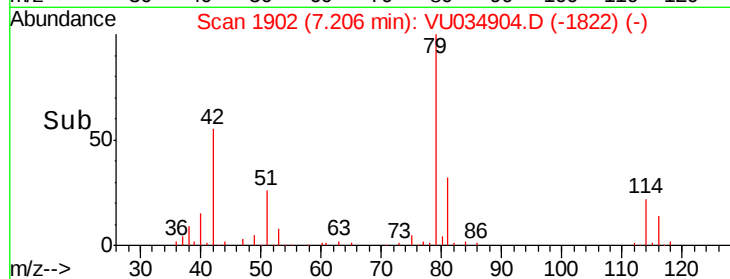
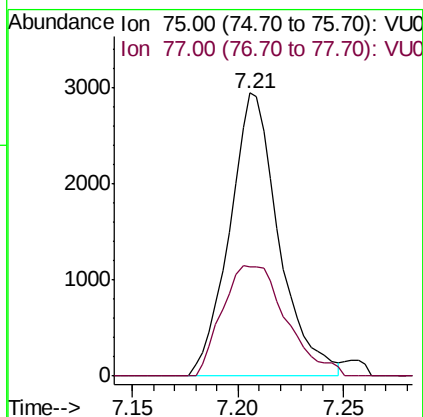
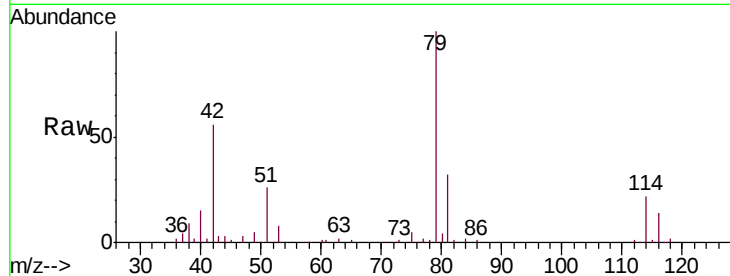




#39
 cis-1,3-Dichloropropene
 Concen: 1.357 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.04 min
 Lab File: VU034904.D
 Acq: 01 Oct 2019 21:41

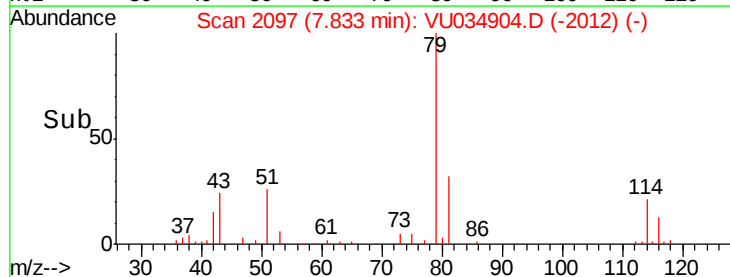
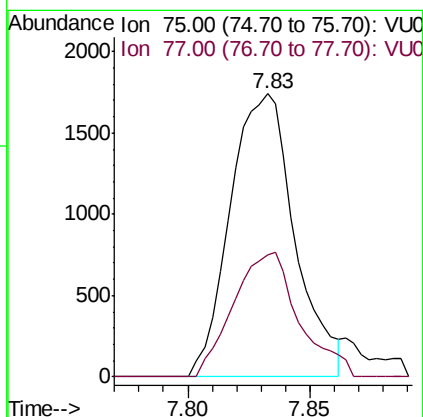
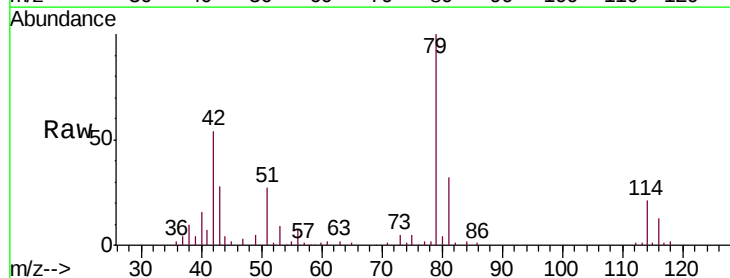
Instrument :
 MSVOA_U
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 BFDL8

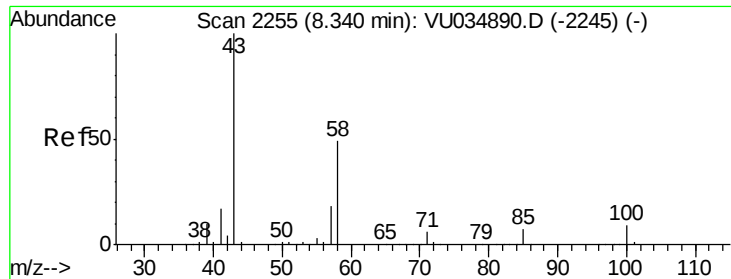
Tgt Ion: 75 Resp: 4787
 Ion Ratio Lower Upper
 75 100
 77 38.7 22.4 41.6



#44
 trans-1,3-Dichloropropene
 Concen: 0.995 ug/L
 RT: 7.83 min Scan# 2097
 Delta R.T. -0.03 min
 Lab File: VU034904.D
 Acq: 01 Oct 2019 21:41

Tgt Ion: 75 Resp: 3202
 Ion Ratio Lower Upper
 75 100
 77 43.2 21.0 39.0#

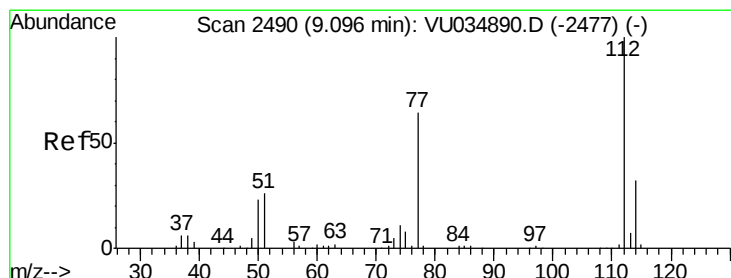
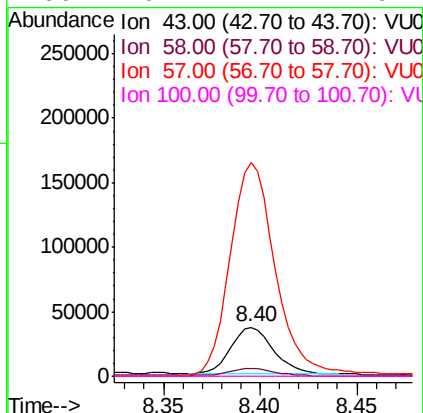
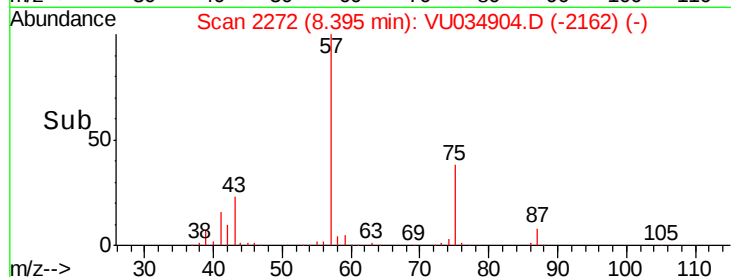
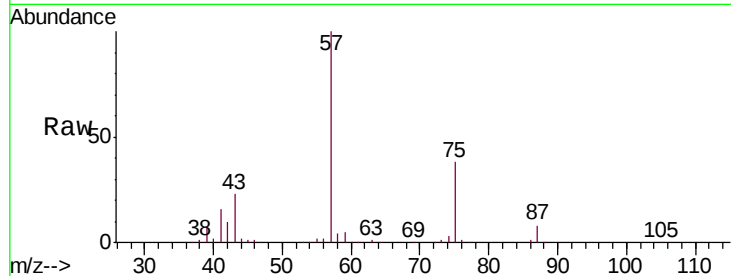




#48
2-Hexanone
Concen: 14.226 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.05 min
Lab File: VU034904.D
Acq: 01 Oct 2019 21:41

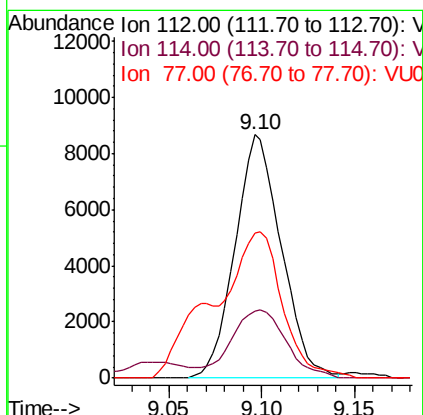
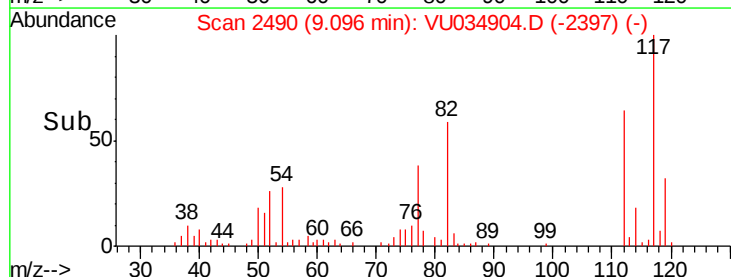
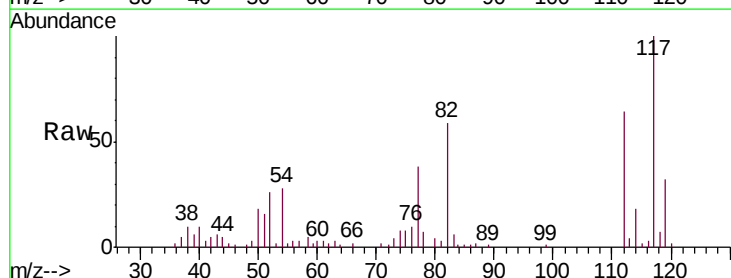
Instrument :
MSVOA_U
ClientSampleId :
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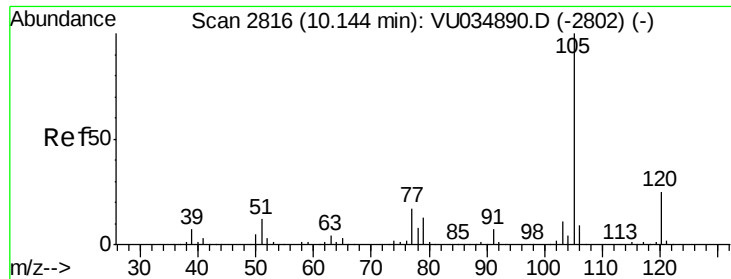
Tgt Ion: 43 Resp: 54826
Ion Ratio Lower Upper
43 100
58 18.1 37.8 56.8#
57 495.1 13.4 20.0#
100 0.2 7.1 10.7#



#51
Chlorobenzene
Concen: 2.781 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034904.D
Acq: 01 Oct 2019 21:41

Tgt Ion: 112 Resp: 15019
Ion Ratio Lower Upper
112 100
114 27.3 21.7 40.3
77 59.4 50.1 75.1





#56

Isopropylbenzene

Concen: 1.302 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034904.D

Acq: 01 Oct 2019 21:41

Instrument :

MSVOA_U

ClientSampleId :

BFDL8

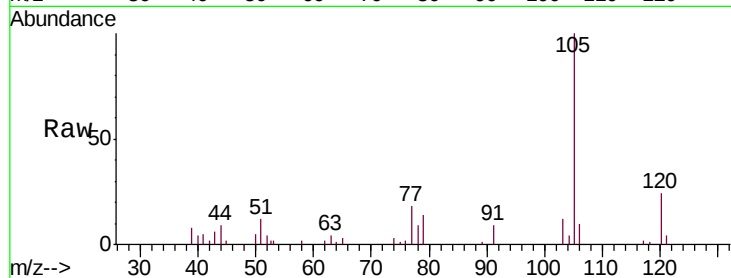
Tgt Ion: 105 Resp: 12539

Ion Ratio Lower Upper

105 100

120 24.0 20.2 30.4

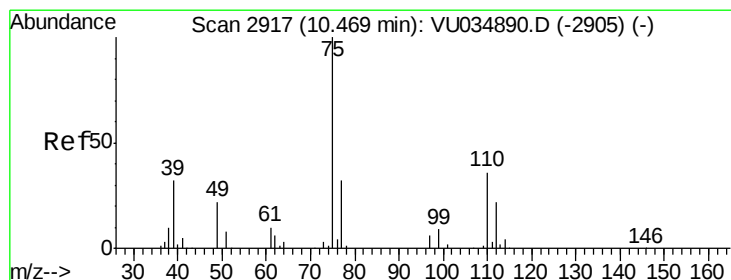
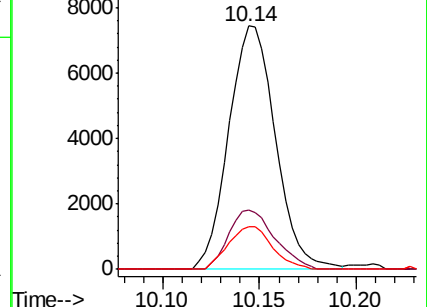
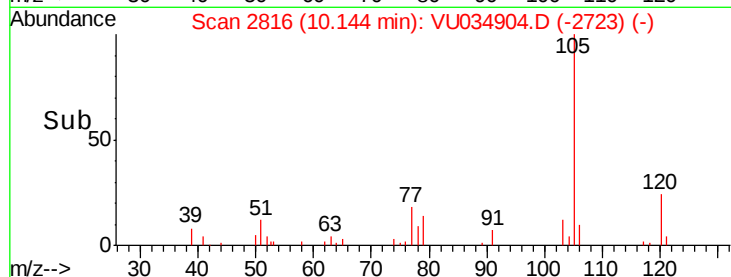
77 16.6 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#59

1,2,3-Trichloropropane

Concen: 5.954 ug/L

RT: 11.46 min Scan# 3225

Delta R.T. 0.99 min

Lab File: VU034904.D

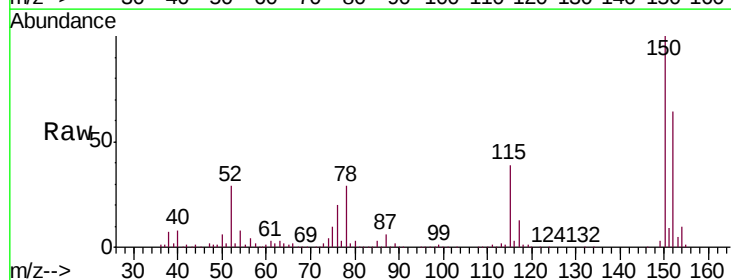
Acq: 01 Oct 2019 21:41

Tgt Ion: 75 Resp: 22472

Ion Ratio Lower Upper

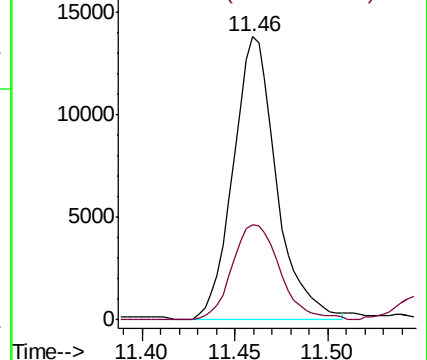
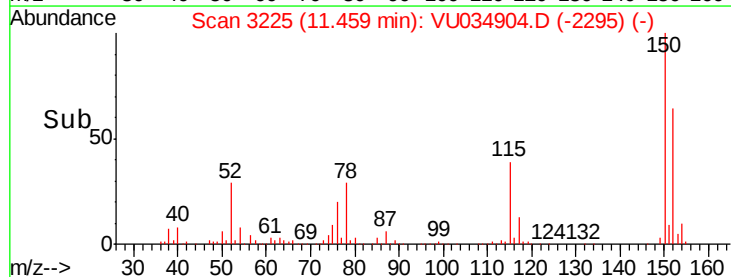
75 100

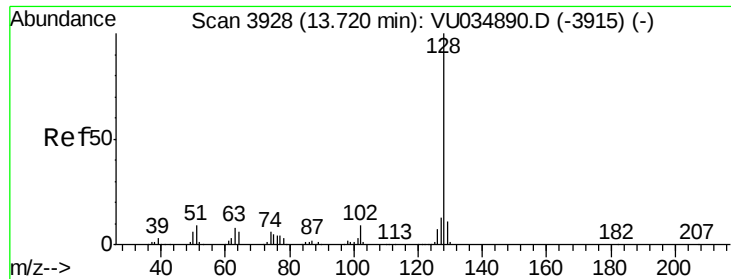
77 37.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V





#69

Naphthalene

Concen: 2.737 ug/L

RT: 13.73 min Scan# 3932

Delta R.T. 0.01 min

Lab File: VU034904.D

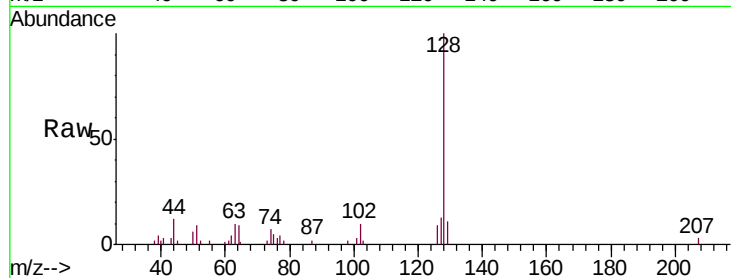
Acq: 01 Oct 2019 21:41

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Tgt Ion:128 Resp: 19621

Ion Ratio Lower Upper

128 100

127 8.8 10.4 15.6#

129 7.8 8.5 12.7#

