

Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VLEB02

Manual Integrations
APPROVED

MMDadoda
10/11/2019 8:33:15 AM

Quant Time: Oct 11 02:16:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 09 02:24:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	433889	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	411562	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	192885	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	183956	41.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.82%
7) Chloroethane-d5	1.67	69	163364m	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.18%
11) 1,1-Dichloroethene-d2	2.26	63	248753	33.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.14%
21) 2-Butanone-d5	4.15	46	395760	116.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.25%
24) Chloroform-d	4.62	84	319654	49.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.29	65	222673	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.82%
32) Benzene-d6	5.32	84	680602	53.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.70%
36) 1,2-Dichloropropane-d6	6.31	67	239498	53.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.44%
41) Toluene-d8	7.54	98	637517	52.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.06%
43) trans-1,3-Dichloropropene-	7.83	79	105716	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.02%
47) 2-Hexanone-d5	8.29	63	284480	127.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	127.03%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	335538	54.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.48%
64) 1,2-Dichlorobenzene-d4	11.84	152	233235	57.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.34%

Target Compounds

					Qvalue
13) Acetone	2.31	43	48592	12.270	ug/L 96
15) Methyl Acetate	2.60	43	7730	1.461	ug/L 97
16) Methylene chloride	2.68	84	3391199	943.067	ug/L 95
22) 2-Butanone	4.26	43	12477	2.648	ug/L 85
42) Toluene	7.62	91	35138	2.278	ug/L 94
52) Ethylbenzene	9.23	91	18946	1.091	ug/L 95
53) m,p-Xylene	9.35	106	67828	11.024	ug/L 93
54) o-xylene	9.76	106	40441	6.645	ug/L 98
56) Isopropylbenzene	10.14	105	20568	1.253	ug/L 96
65) 1,2-Dichlorobenzene	11.85	146	14415	2.136	ug/L 94

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

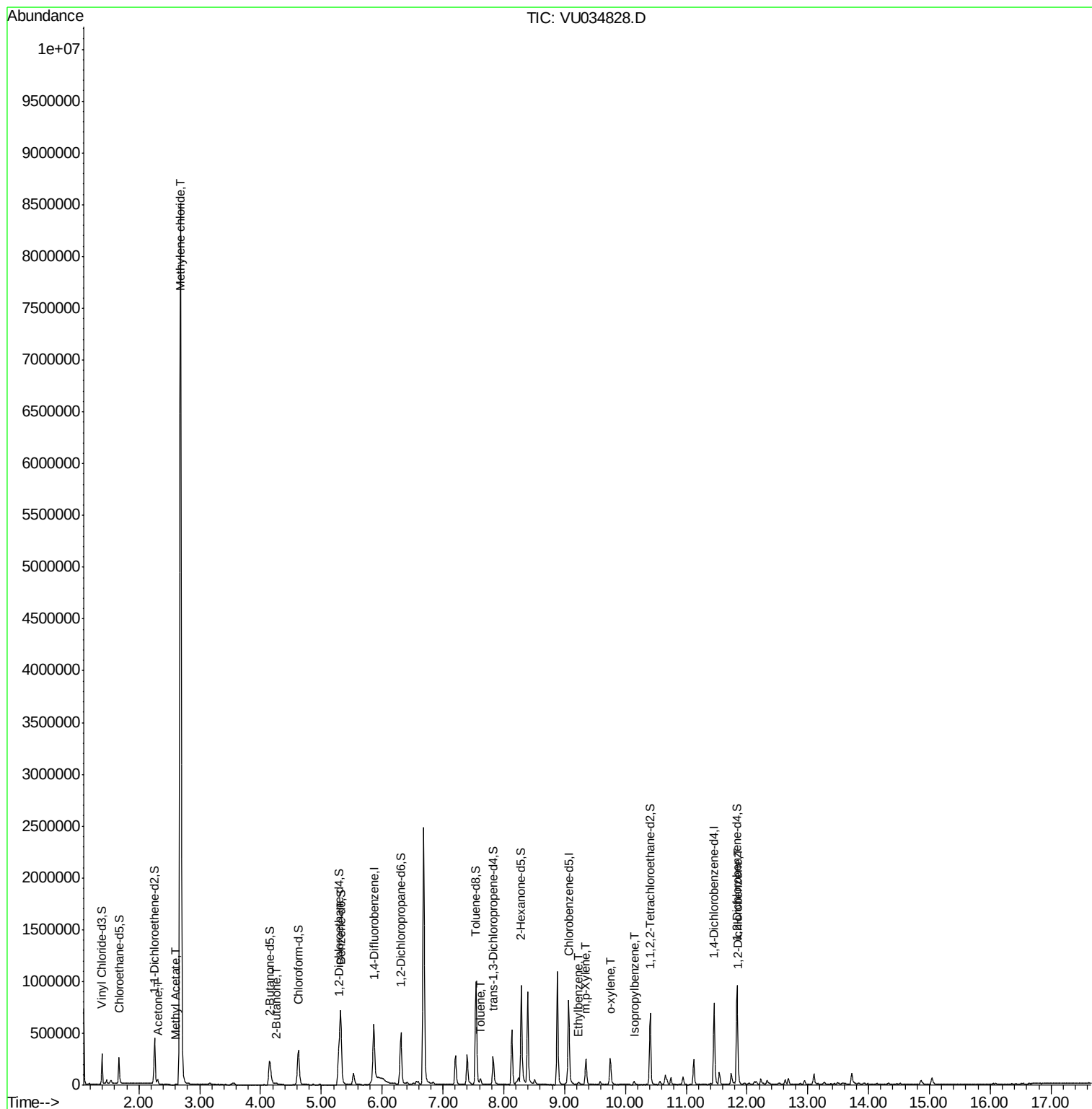
Data File : VU034828.D
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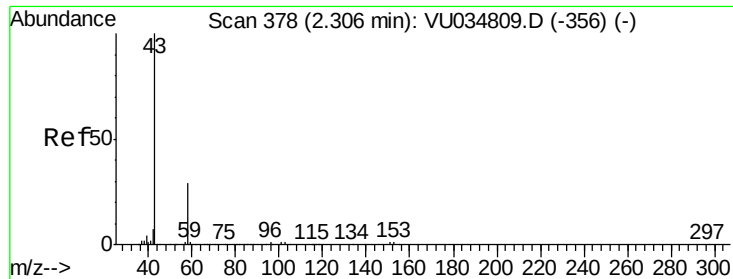
Instrument :
MSVOA_U
ClientSampleId :
VLEB02

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Quant Title : VOC Analysis
QLast Update : Wed Oct 09 02:24:20 2019
Response via : Initial Calibration





#13

Acetone

Concen: 12.270 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034828.D

Acq: 26 Sep 2019 01:25

Instrument :

MSVOA_U

ClientSampleId :

VLEB02

Tgt Ion: 43 Resp: 48592

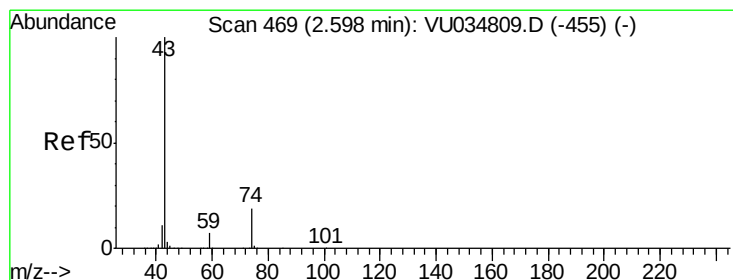
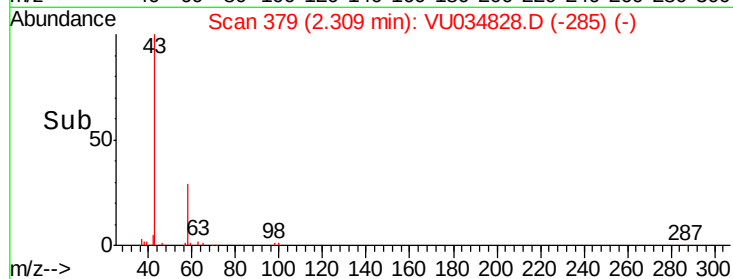
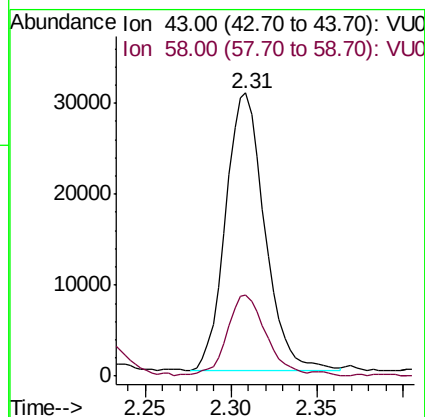
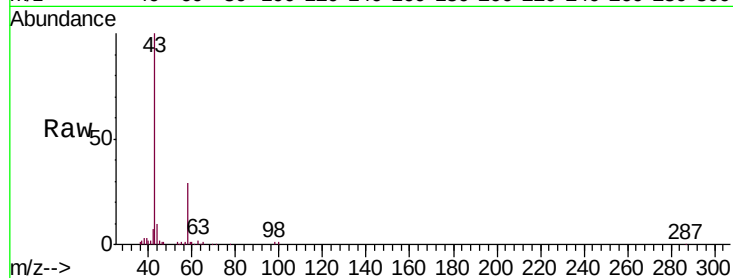
Ion Ratio Lower Upper

43 100

58 29.0 0.0 53.4

Manual Integrations
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#15

Methyl Acetate

Concen: 1.461 ug/L

RT: 2.60 min Scan# 471

Delta R.T. 0.01 min

Lab File: VU034828.D

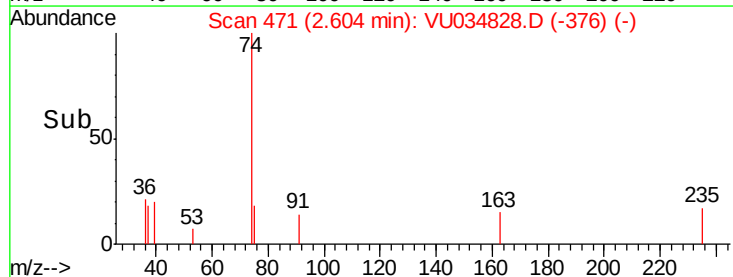
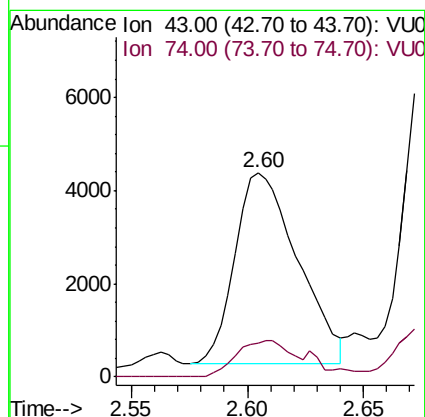
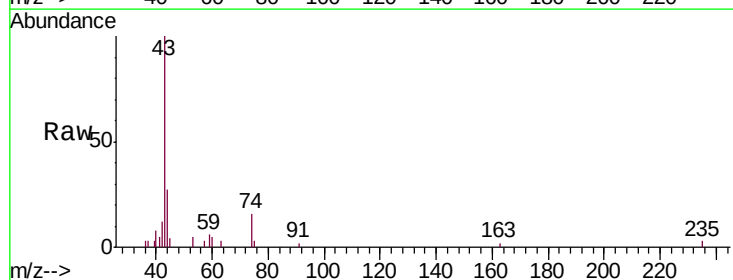
Acq: 26 Sep 2019 01:25

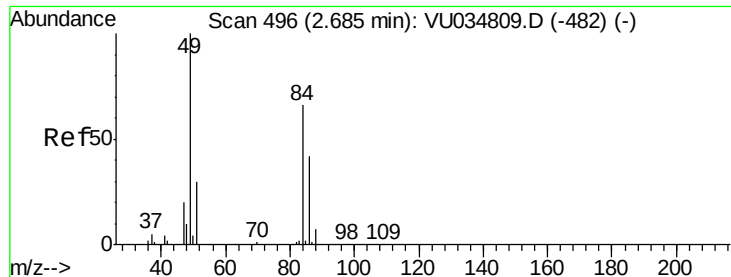
Tgt Ion: 43 Resp: 7730

Ion Ratio Lower Upper

43 100

74 16.7 14.4 21.6





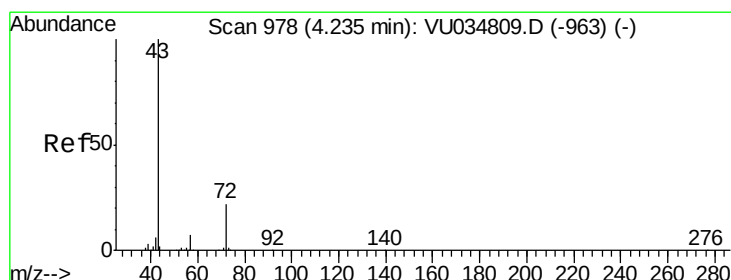
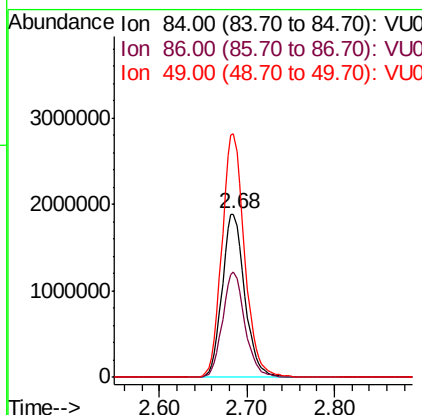
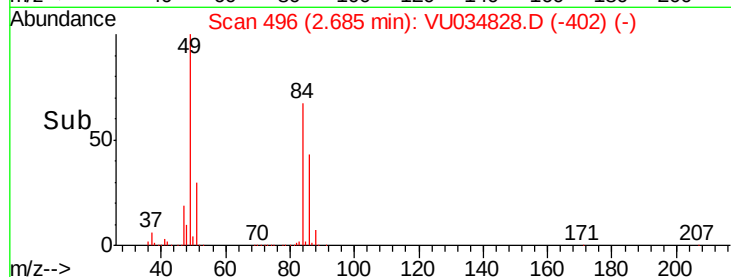
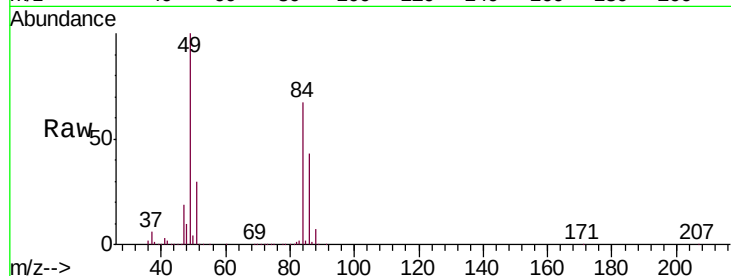
#16
Methylene chloride
Concen: 943.067 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034828.D
Acq: 26 Sep 2019 01:25

Instrument :
MSVOA_U
ClientSampleId :
VLEB02

Tgt Ion: 84 Resp: 3391199
Ion Ratio Lower Upper
84 100
86 64.1 43.0 80.0
49 148.9 109.7 203.7

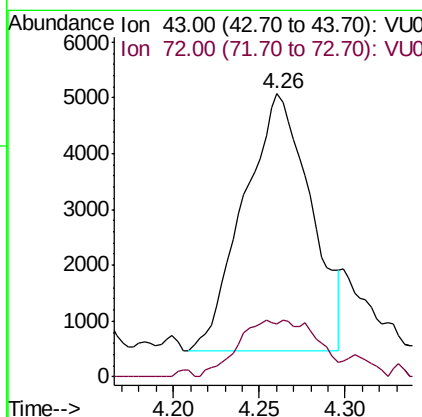
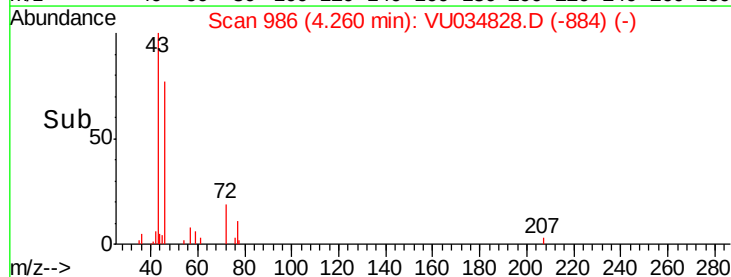
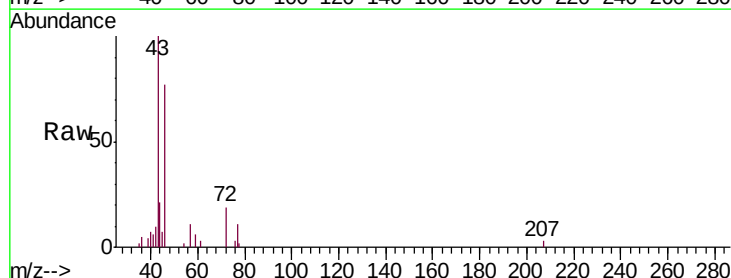
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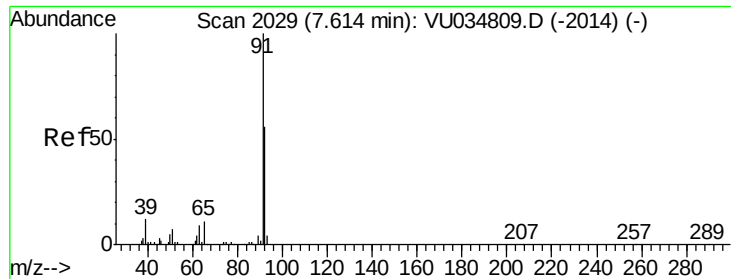
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#22
2-Butanone
Concen: 2.648 ug/L
RT: 4.26 min Scan# 986
Delta R.T. 0.03 min
Lab File: VU034828.D
Acq: 26 Sep 2019 01:25

Tgt Ion: 43 Resp: 12477
Ion Ratio Lower Upper
43 100
72 13.2 10.2 30.6





#42

Toluene

Concen: 2.278 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034828.D

Acq: 26 Sep 2019 01:25

Instrument :

MSVOA_U

ClientSampled :

VLEB02

Tgt Ion: 91 Resp: 35138

Ion Ratio Lower Upper

91 100

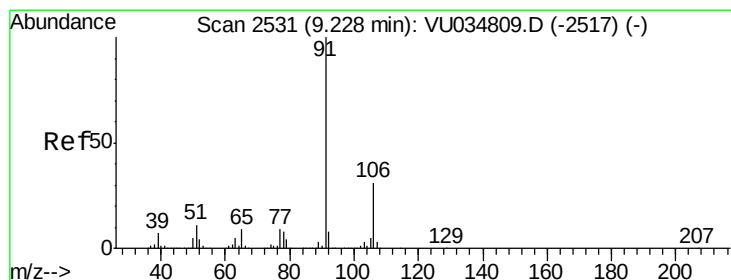
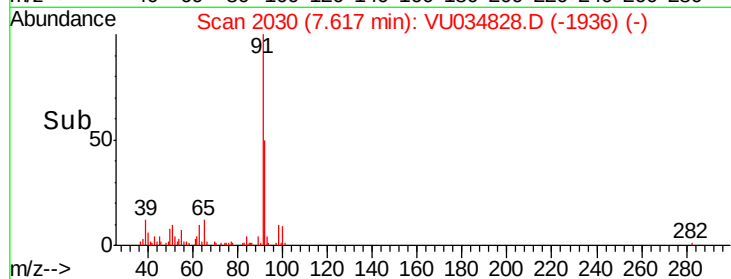
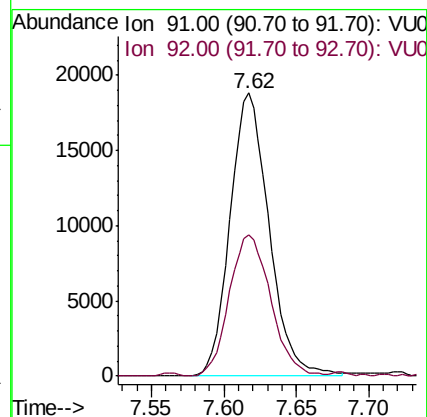
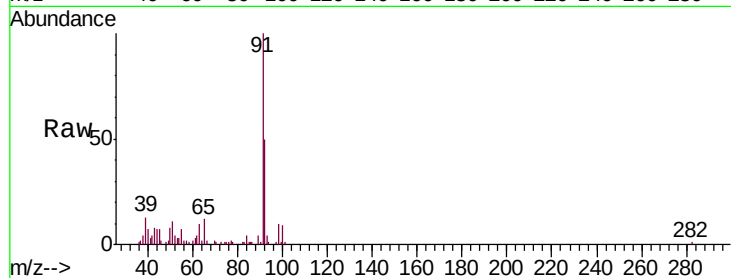
92 50.1 38.2 71.0

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#52

Ethylbenzene

Concen: 1.091 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034828.D

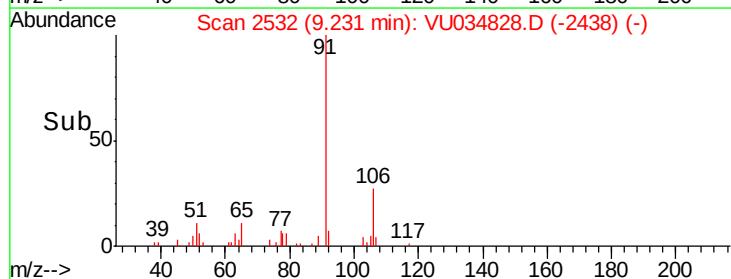
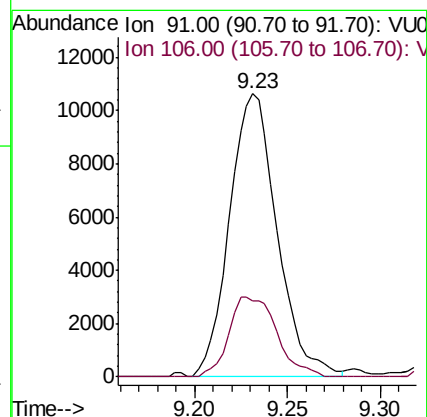
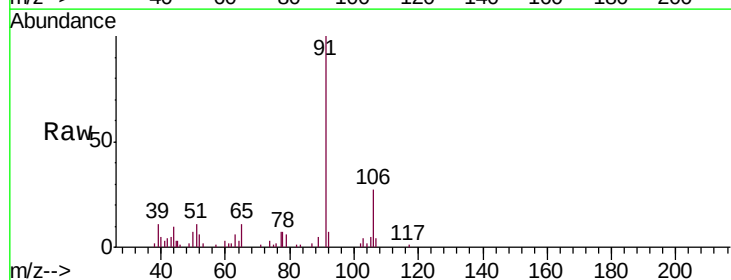
Acq: 26 Sep 2019 01:25

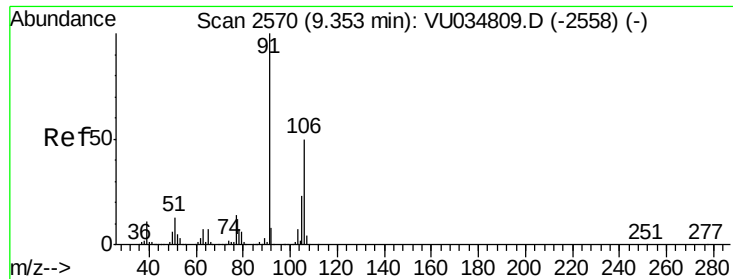
Tgt Ion: 91 Resp: 18946

Ion Ratio Lower Upper

91 100

106 26.7 20.6 38.4





#53

m,p-Xylene

Concen: 11.024 ug/L

RT: 9.35 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU034828.D

Acq: 26 Sep 2019 01:25

Instrument :

MSVOA_U

ClientSampleId :

VLEB02

Tgt Ion:106 Resp: 67828

Ion Ratio Lower Upper

106 100

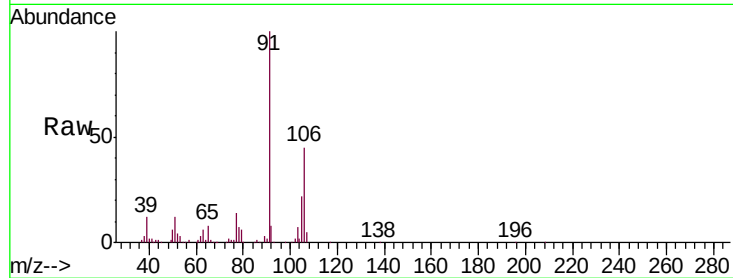
91 220.3 146.9 272.7

Manual Integrations

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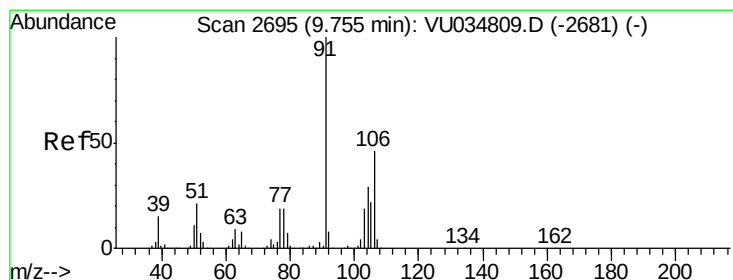
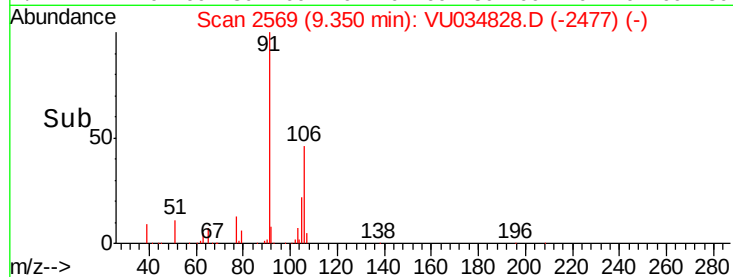
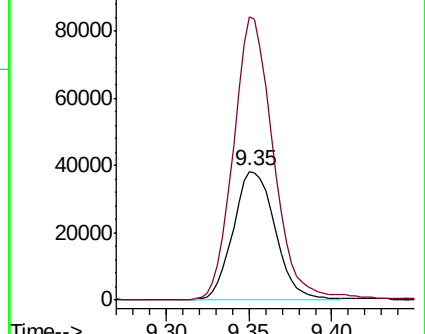
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 6.645 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034828.D

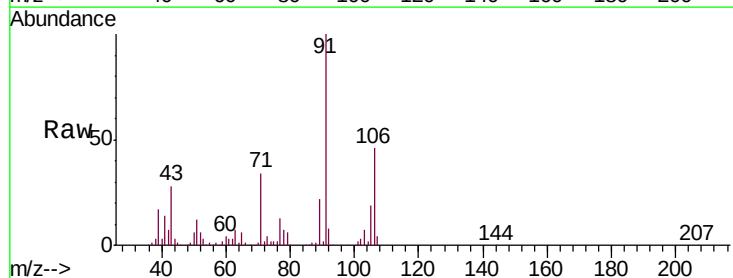
Acq: 26 Sep 2019 01:25

Tgt Ion:106 Resp: 40441

Ion Ratio Lower Upper

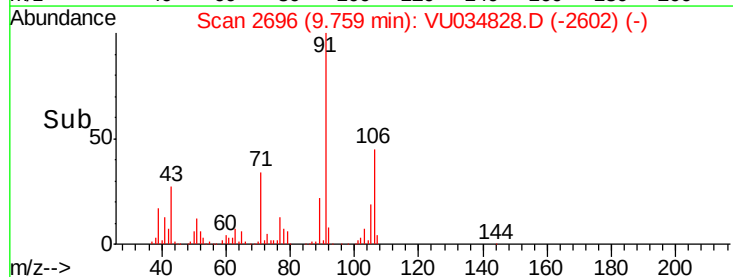
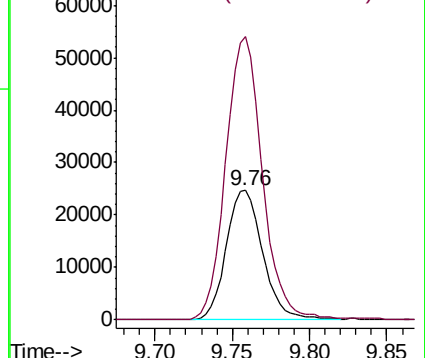
106 100

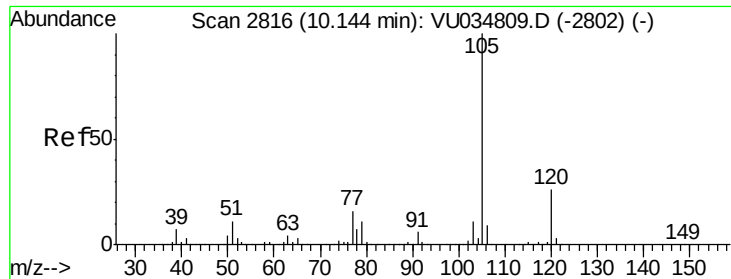
91 219.1 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





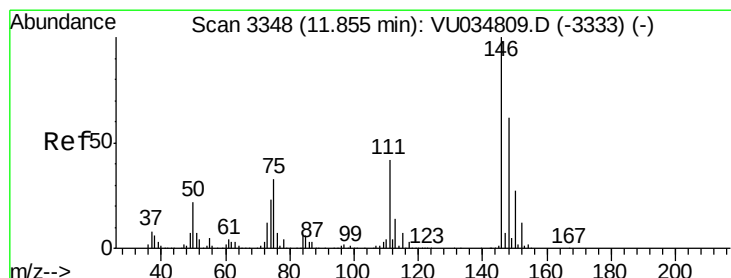
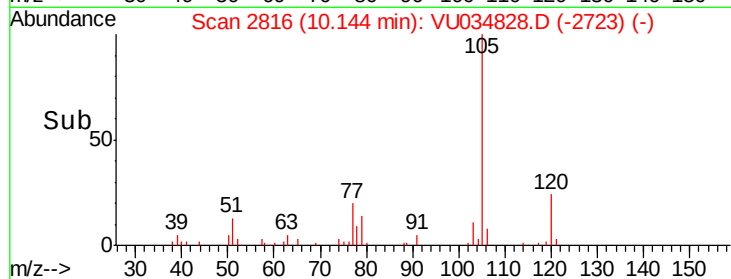
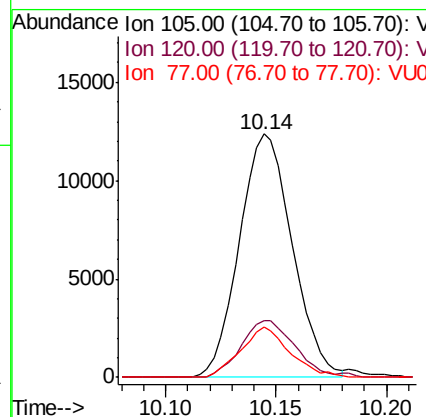
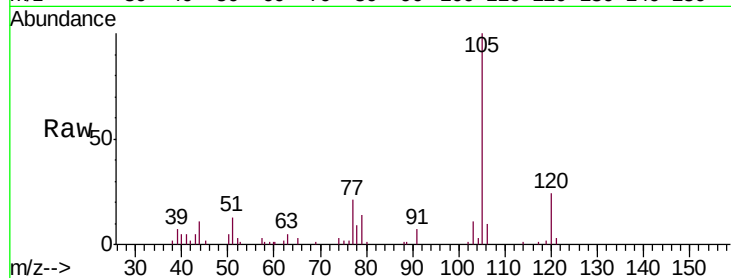
#56
Isopropylbenzene
Concen: 1.253 ug/L
RT: 10.14 min Scan# 2816
Delta R.T. 0.00 min
Lab File: VU034828.D
Acq: 26 Sep 2019 01:25

Instrument :
MSVOA_U
ClientSampleId :
VLEB02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.5	20.4	30.6
77	19.3	14.2	21.4

Manual Integrations
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10/11/2019 8:33:15 AM



#65
1,2-Dichlorobenzene
Concen: 2.136 ug/L
RT: 11.85 min Scan# 3348
Delta R.T. 0.00 min
Lab File: VU034828.D
Acq: 26 Sep 2019 01:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.7	35.2	52.8
148	65.6	53.0	79.6

