

Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : K4983-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VLEB02

Quant Time: Sep 26 07:03:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 06:56:48 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	1.76	69	445	0.13	ug/L	0.09
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.26%#
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

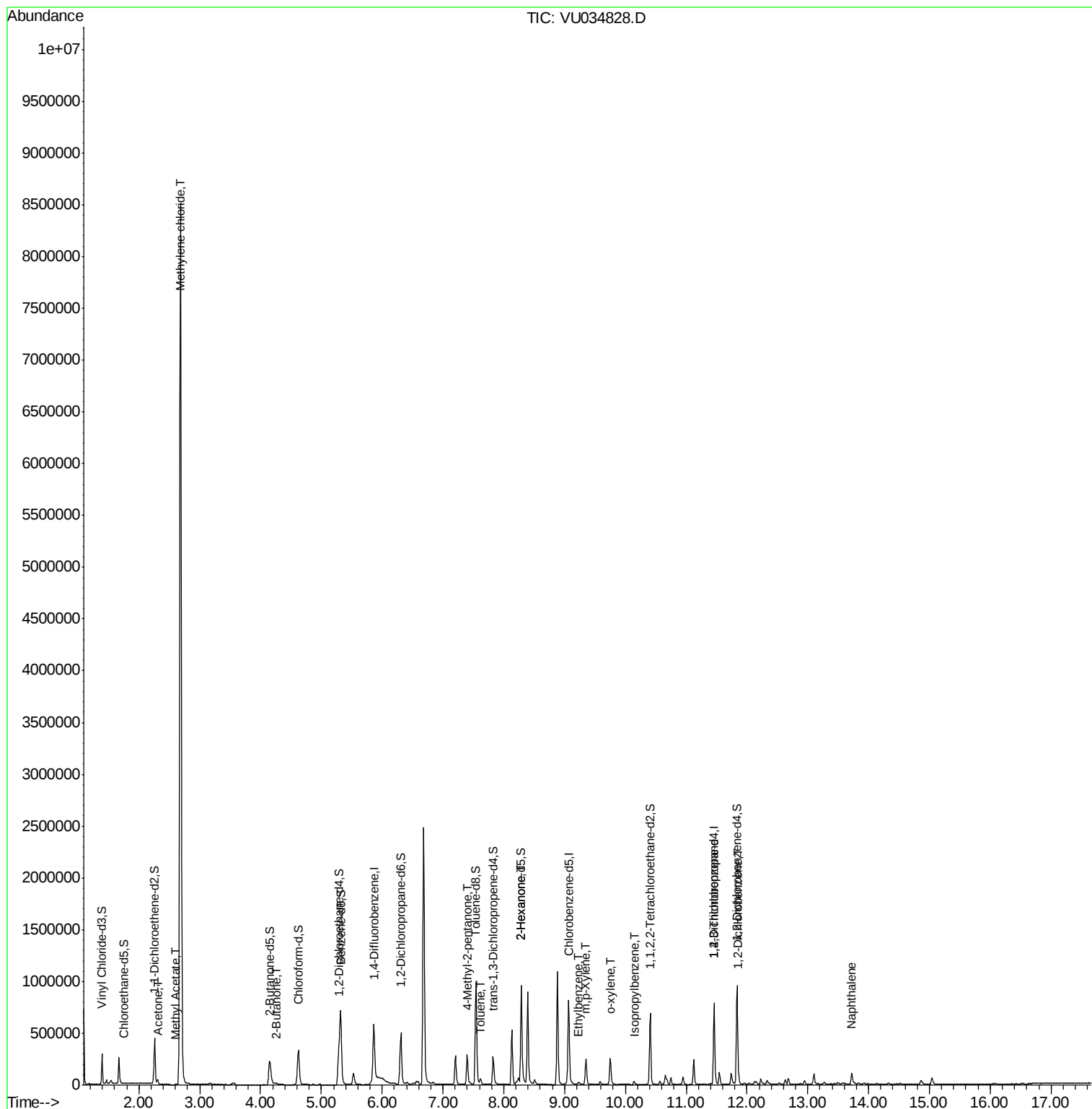
					Qvalue
13) Acetone	2.31	43	48592	12.270 ug/L	96
15) Methyl Acetate	2.60	43	7730	1.461 ug/L	97
16) Methylene chloride	2.68	84	3391199	943.067 ug/L	95
22) 2-Butanone	4.26	43	12477	2.648 ug/L	85
40) 4-Methyl-2-pentanone	7.40	43	119290	14.701 ug/L #	57
42) Toluene	7.62	91	35138	2.278 ug/L	94
48) 2-Hexanone	8.29	43	151280	23.870 ug/L #	52
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
59) 1,2,3-Trichloropropane	11.46	75	28442	5.358 ug/L	89
65) 1,2-Dichlorobenzene	11.85	146	14415	2.136 ug/L	94
69) Naphthalene	13.73	128	98798	8.109 ug/L	98

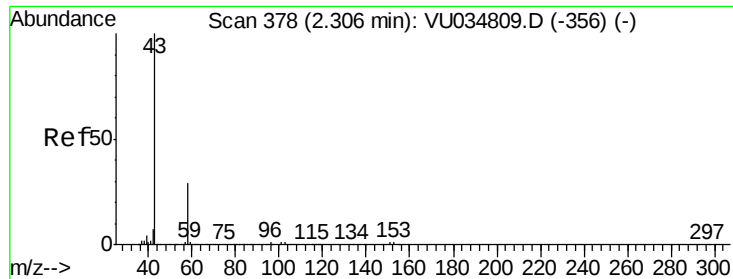
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 12.270 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

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MSVOA_U

ClientSampleId :

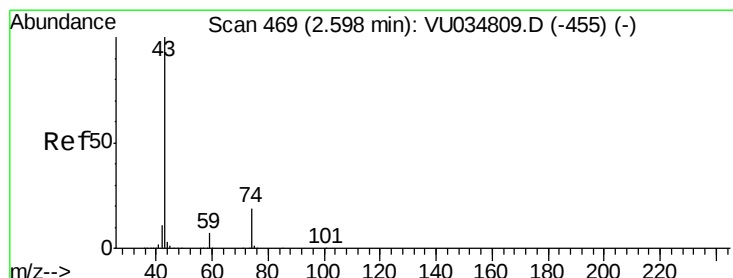
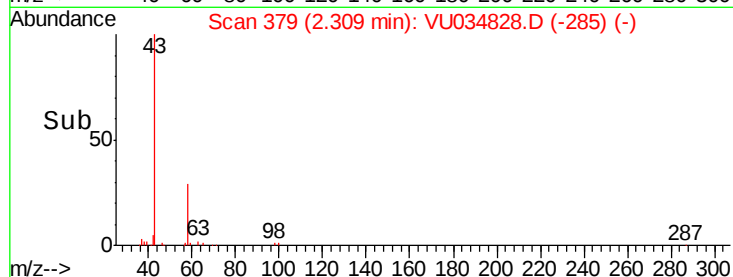
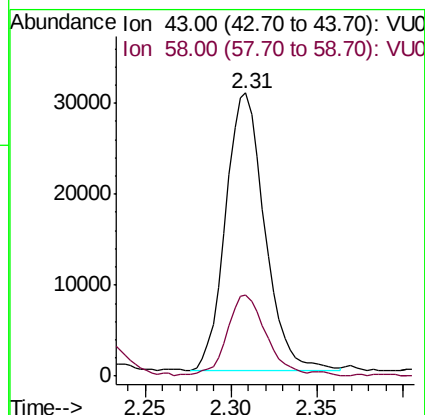
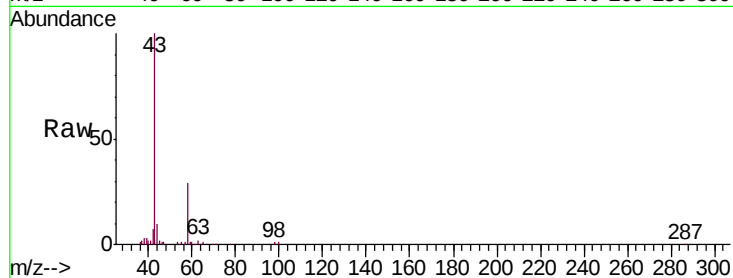
VLEB02

Tgt Ion: 43 Resp: 48592

Ion Ratio Lower Upper

43 100

58 29.0 0.0 53.4



#15

Methyl Acetate

Concen: 1.461 ug/L

RT: 2.60 min Scan# 471

Delta R.T. 0.01 min

Lab File: VU034828.D

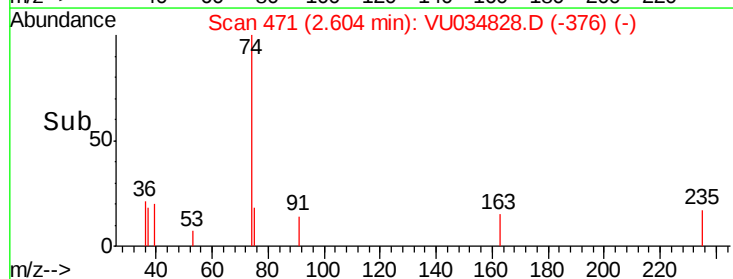
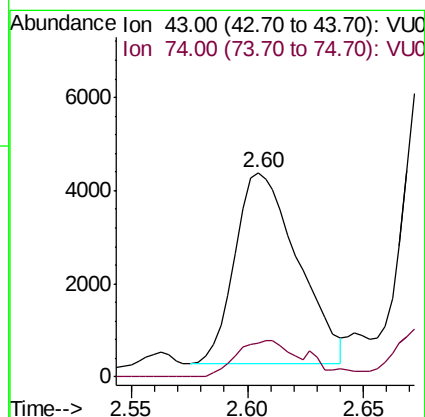
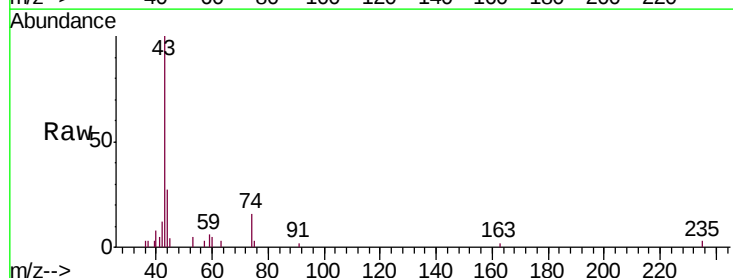
Acq: 26 Sep 2019 01:25

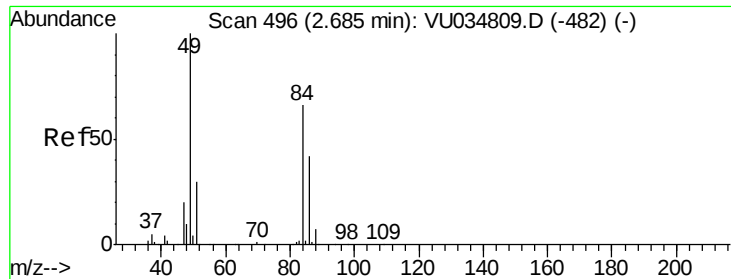
Tgt Ion: 43 Resp: 7730

Ion Ratio Lower Upper

43 100

74 16.7 14.4 21.6

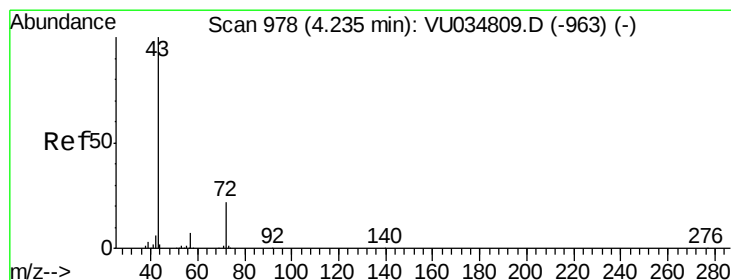
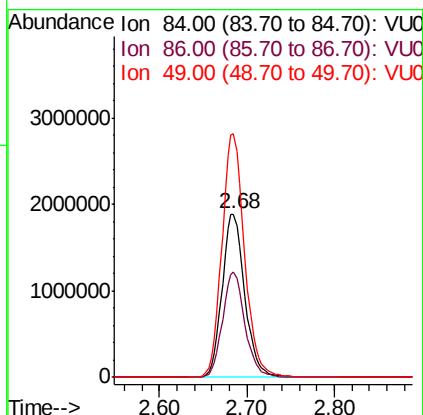
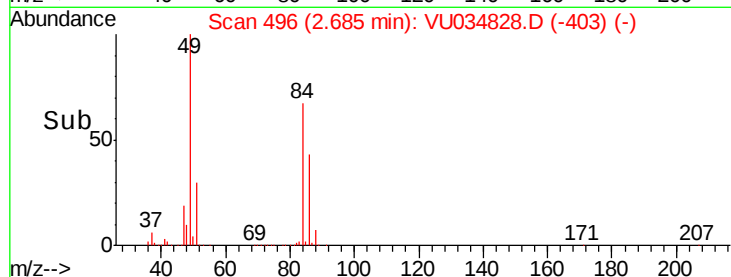
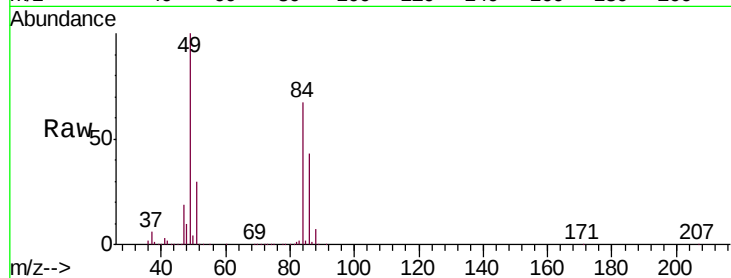




#16
Methylene chloride
Concen: 943.067 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034828.D
Acq: 26 Sep 2019 01:25

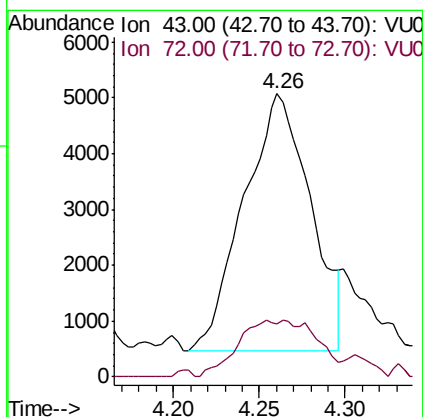
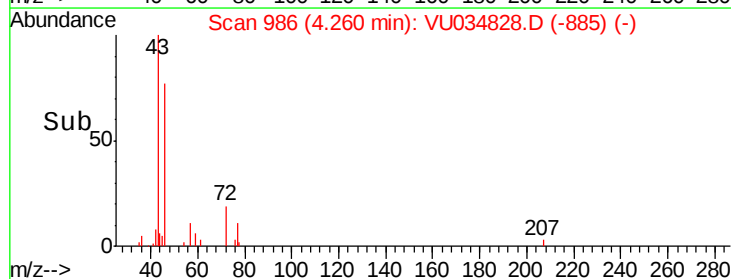
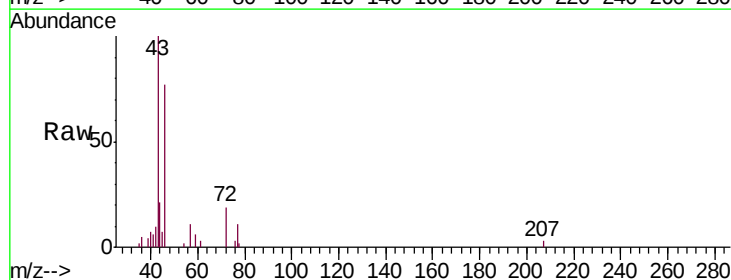
Instrument :
MSVOA_U
ClientSampleId :
VLEB02

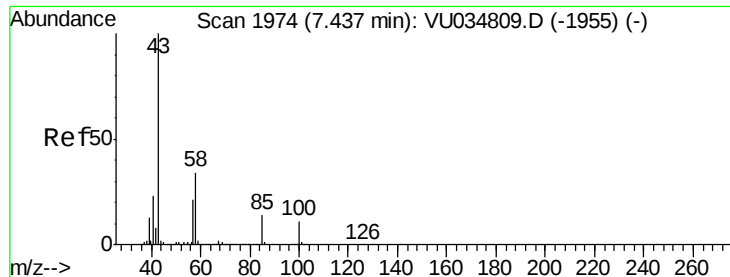
Tgt Ion: 84 Resp: 3391199
Ion Ratio Lower Upper
84 100
86 64.1 43.0 80.0
49 148.9 109.7 203.7



#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

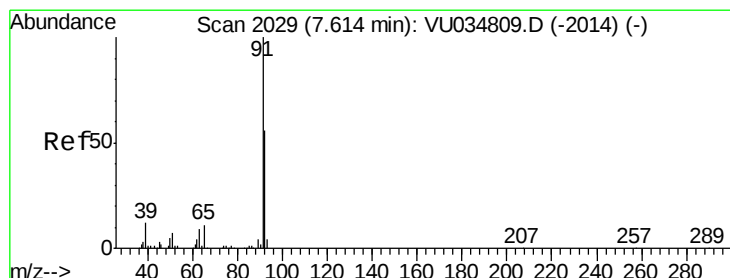
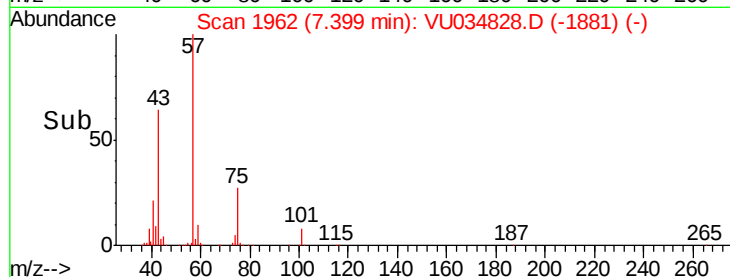
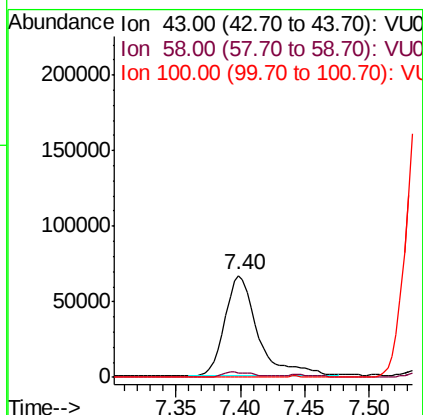
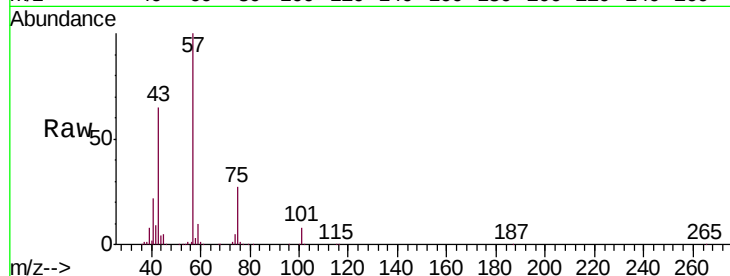




#40
4-Methyl-2-pentanone
Concen: 14.701 ug/L
RT: 7.40 min Scan# 1962
Delta R.T. -0.04 min
Lab File: VU034828.D
Acq: 26 Sep 2019 01:25

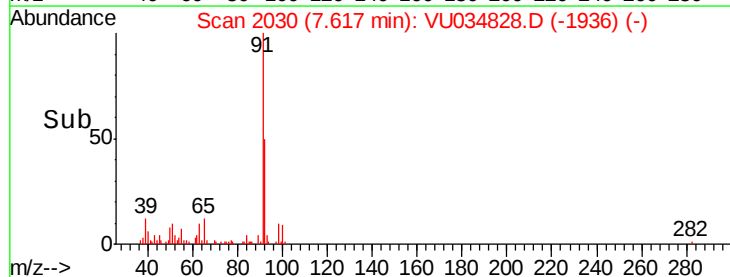
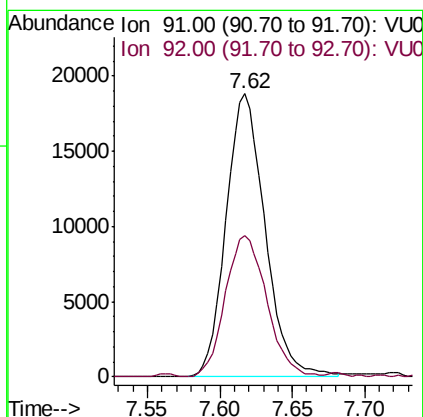
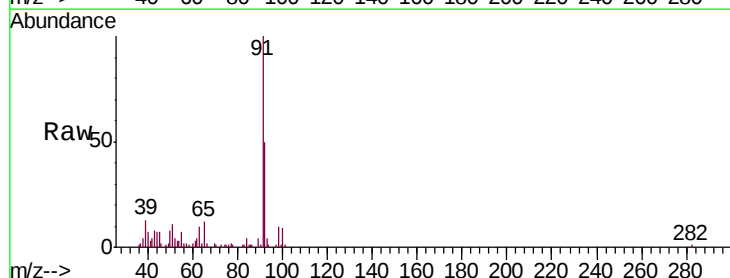
Instrument :
MSVOA_U
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VLEB02

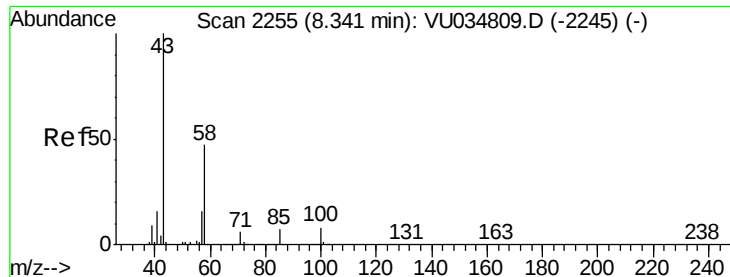
Tgt Ion: 43 Resp: 119290
Ion Ratio Lower Upper
43 100
58 5.1 25.2 37.8#
100 0.0 7.7 11.5#



#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

Tgt Ion: 91 Resp: 35138
Ion Ratio Lower Upper
91 100
92 50.1 38.2 71.0

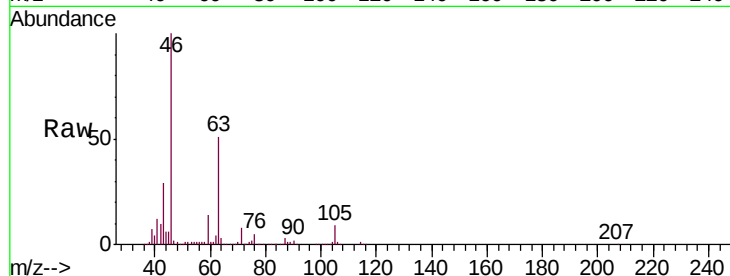




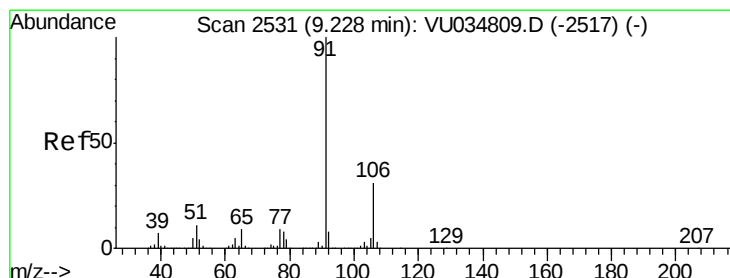
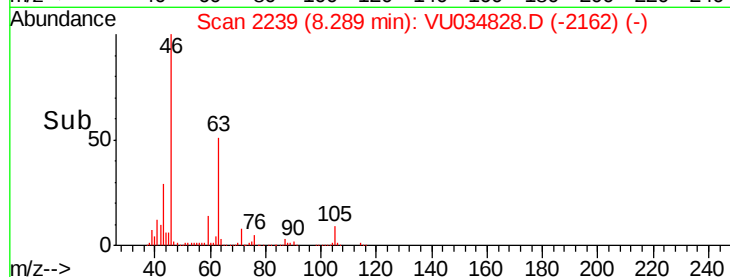
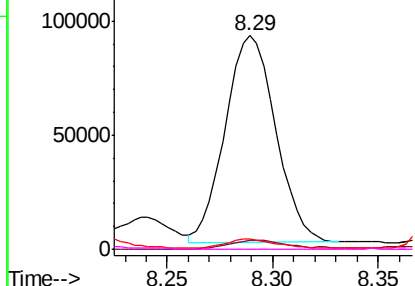
#48
2-Hexanone
Concen: 23.870 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.05 min
Lab File: VU034828.D
Acq: 26 Sep 2019 01:25

Instrument :
MSVOA_U
ClientSampleId :
VLEB02

Tgt Ion:	43	Resp:	151280
Ion	Ratio	Lower	Upper
43	100		
58	4.9	35.3	52.9#
57	4.5	12.1	18.1#
100	0.1	6.2	9.4#

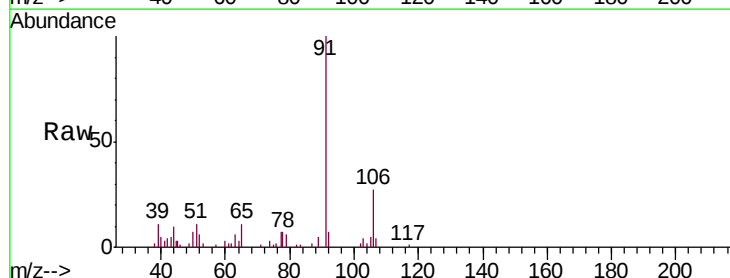


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

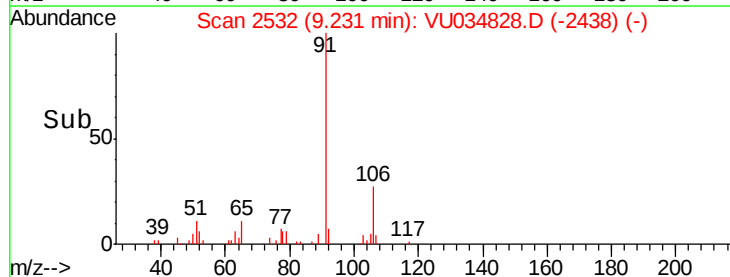
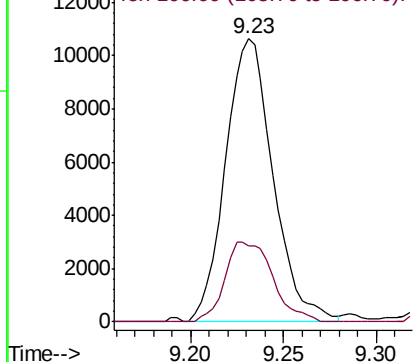


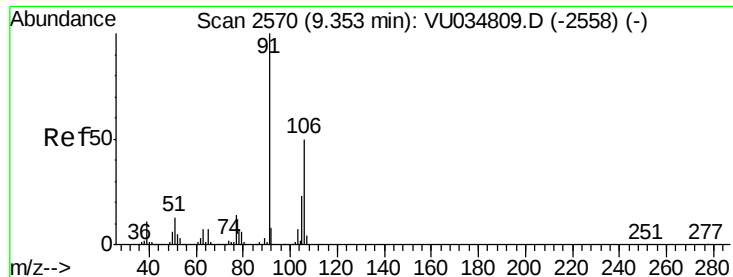
#52
Ethylbenzene
Concen: 1.091 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034828.D
Acq: 26 Sep 2019 01:25

Tgt Ion:	91	Resp:	18946
Ion	Ratio	Lower	Upper
91	100		
106	26.7	20.6	38.4



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 106.00 (105.70 to 106.70): VU0





#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 :

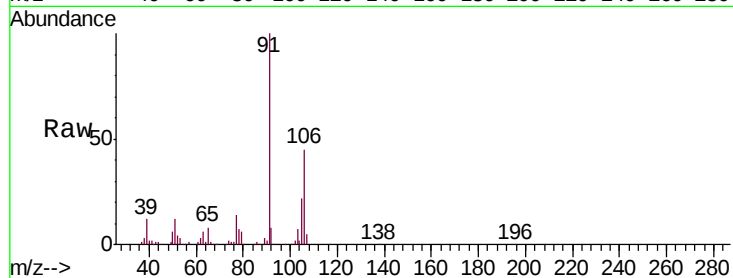
VLEB02

Tgt Ion:106 Resp: 67828

Ion Ratio Lower Upper

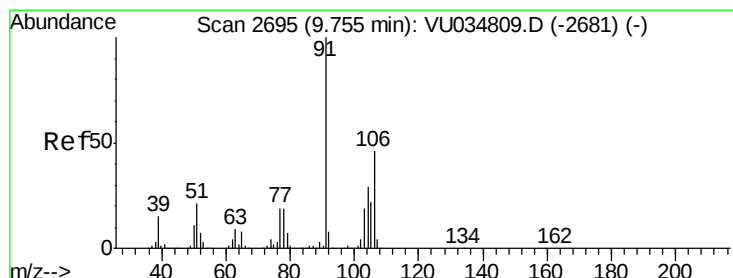
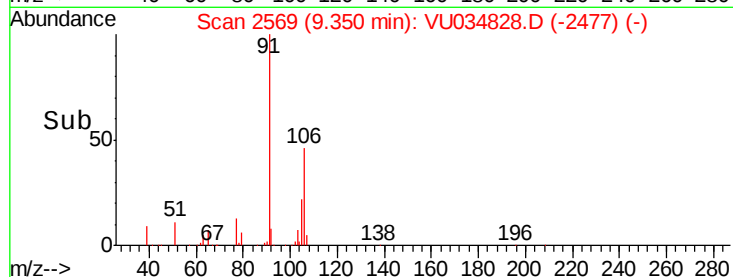
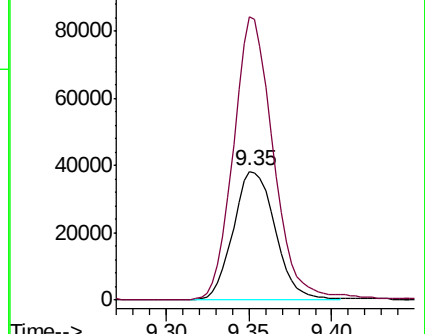
106 100

91 220.3 146.9 272.7



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

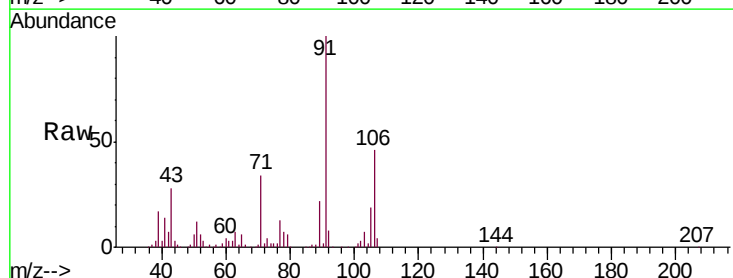
Acq: 26 Sep 2019 01:25

Tgt Ion:106 Resp: 40441

Ion Ratio Lower Upper

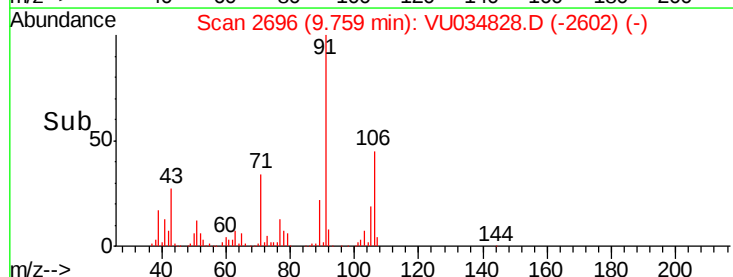
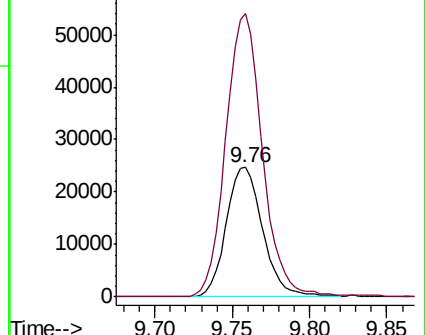
106 100

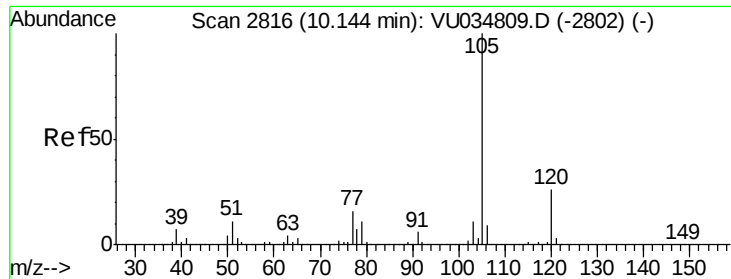
91 219.1 155.6 289.0



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

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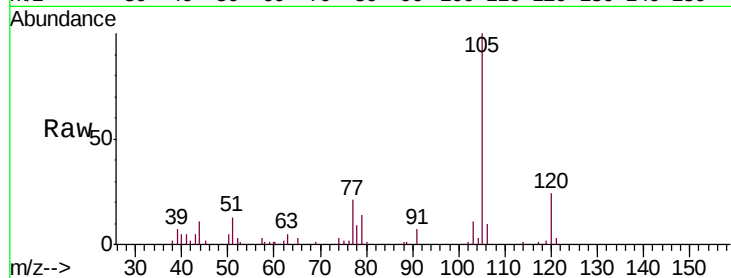
Tgt Ion: 105 Resp: 20568

Ion Ratio Lower Upper

105 100

120 23.5 20.4 30.6

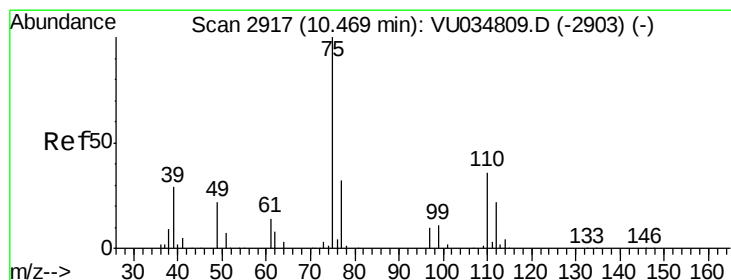
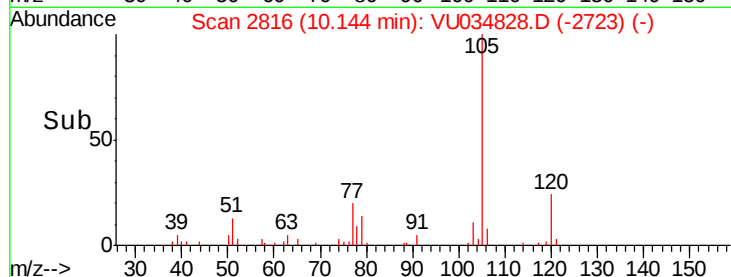
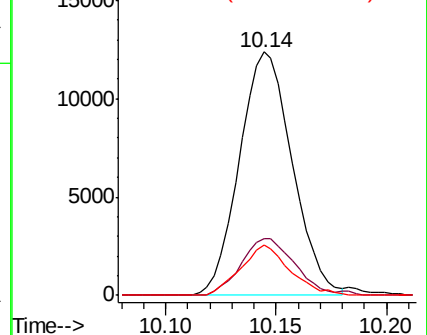
77 19.3 14.2 21.4



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): VU



#59

1,2,3-Trichloropropane

Concen: 5.358 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034828.D

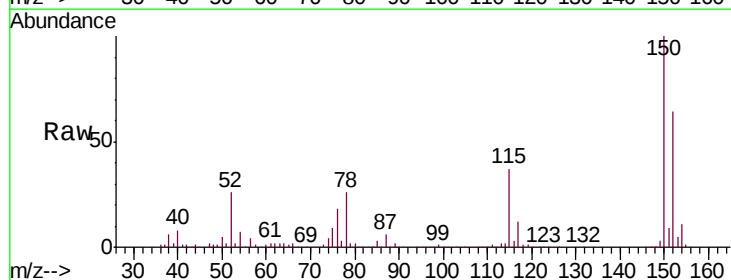
Acq: 26 Sep 2019 01:25

Tgt Ion: 75 Resp: 28442

Ion Ratio Lower Upper

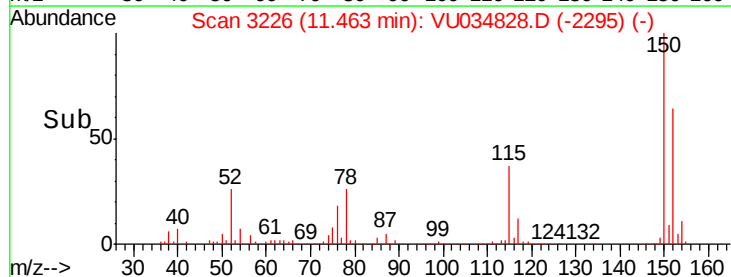
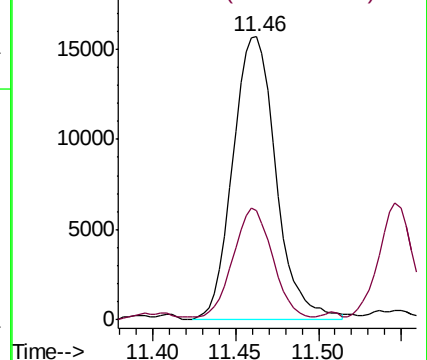
75 100

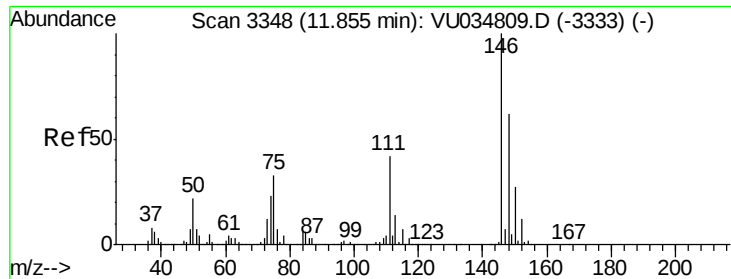
77 36.6 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#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

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VLEB02

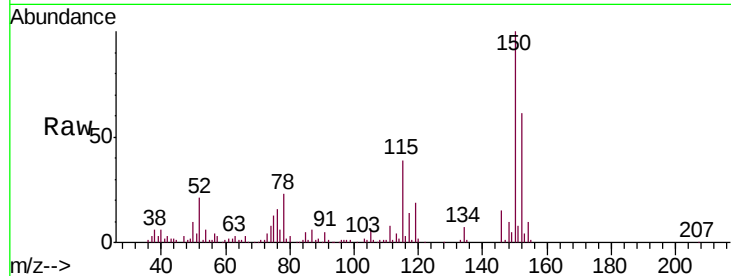
Tgt Ion:146 Resp: 14415

Ion Ratio Lower Upper

146 100

111 52.7 35.2 52.8

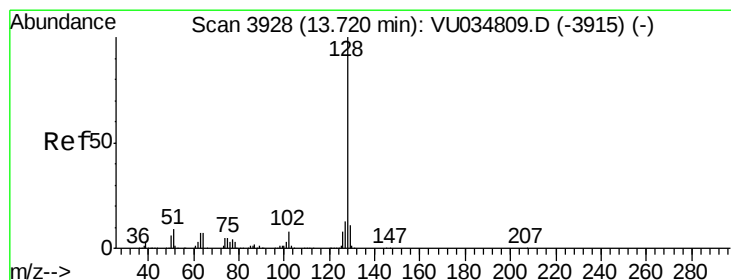
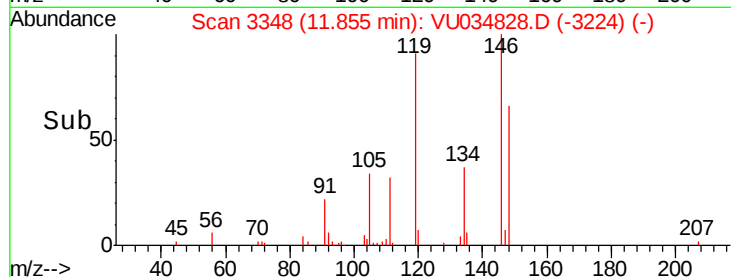
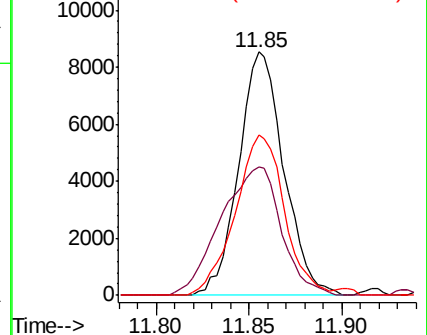
148 65.6 53.0 79.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#69

Naphthalene

Concen: 8.109 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.01 min

Lab File: VU034828.D

Acq: 26 Sep 2019 01:25

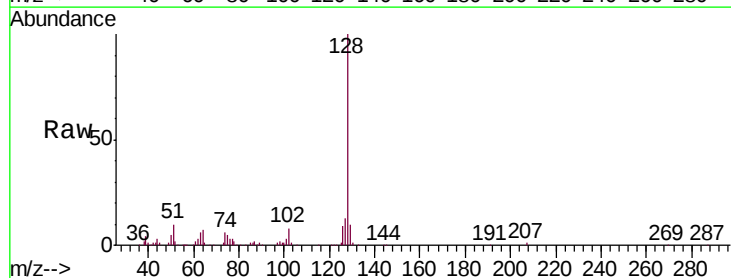
Tgt Ion:128 Resp: 98798

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

129 9.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

