

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031029.D
 Acq On : 10 Apr 2019 22:15
 Operator : JC/SP
 Sample : K2254-07ME
 Misc : 5.77g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC28ME

Quant Time: Apr 11 05:24:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	454379	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	458404	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	236456	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	125758	31.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.00%
7) Chloroethane-d5	1.71	69	682	0.22	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.44%#
11) 1,1-Dichloroethene-d2	2.24	63	198249	27.02	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.04%#
21) 2-Butanone-d5	4.19	46	332239	103.35	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.35%
24) Chloroform-d	4.64	84	263803	42.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.16%
26) 1,2-Dichloroethane-d4	5.30	65	197780	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
32) Benzene-d6	5.33	84	533861	39.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.78%
36) 1,2-Dichloropropane-d6	6.32	67	192443	41.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.92%
41) Toluene-d8	7.56	98	454495	38.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.64%#
43) trans-1,3-Dichloropropene-	7.85	79	84903	40.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.20%
47) 2-Hexanone-d5	8.32	63	214317	102.25	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.25%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	317877	51.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.78%
64) 1,2-Dichlorobenzene-d4	11.86	152	211246	45.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.34	43	7029	2.137	ug/L	82
15) Methyl Acetate	2.63	43	4234	0.830	ug/L #	60
25) Chloroform	4.66	83	22431	3.243	ug/L	96
29) Cyclohexane	4.97	56	5388	0.825	ug/L #	76
33) Benzene	5.38	78	6270	0.418	ug/L	100
35) Methylcyclohexane	6.40	83	11624	2.047	ug/L #	82
39) cis-1,3-Dichloropropene	7.22	75	4021	0.665	ug/L	84
42) Toluene	7.64	91	8695	0.568	ug/L	89
45) 1,1,2-Trichloroethane	8.04	97	2318	0.643	ug/L #	27
48) 2-Hexanone	8.32	43	31664	5.942	ug/L #	66
52) Ethylbenzene	9.25	91	161033	9.648	ug/L	100
53) m,p-Xylene	9.38	106	30648	5.265	ug/L	98
54) o-xylene	9.78	106	24093	4.161	ug/L	94
56) Isopropylbenzene	10.17	105	29780	1.953	ug/L	98
69) Naphthalene	13.75	128	74968	4.980	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Thu Apr 11 05:17:40 2019
Response via : Initial Calibration

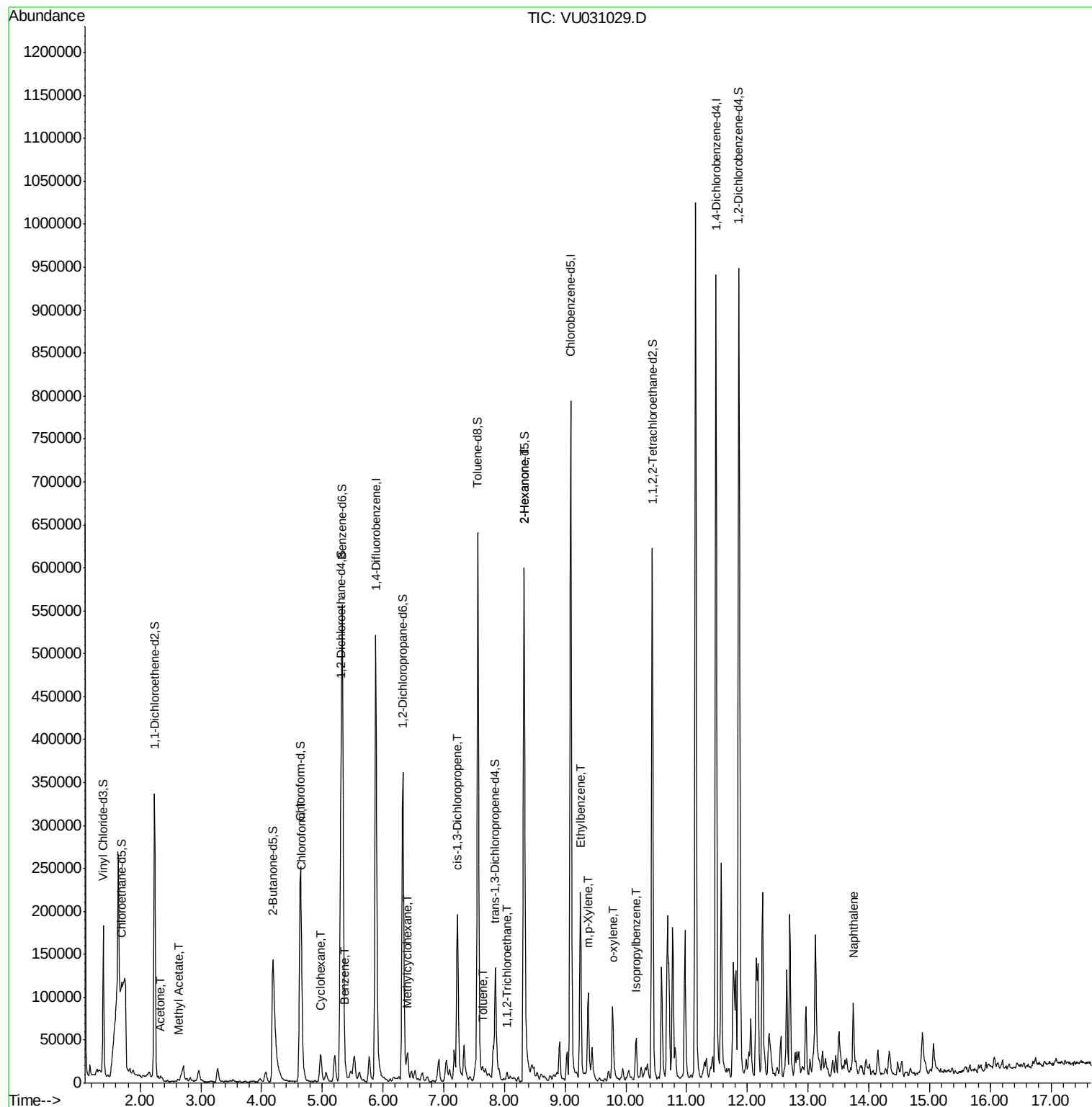
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

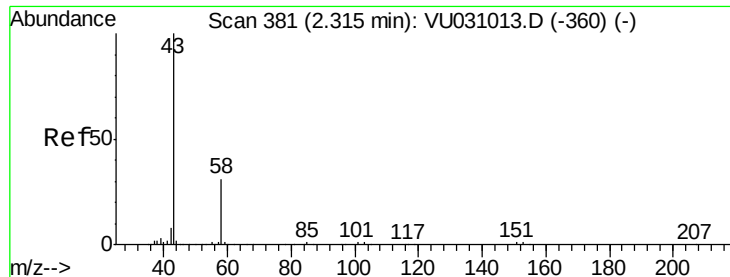
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU041119\
Data File : VU031029.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
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QLast Update : Thu Apr 11 05:17:40 2019
Response via : Initial Calibration





#13

Acetone

Concen: 2.137 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.02 min

Lab File: VU031029.D

Acq: 10 Apr 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

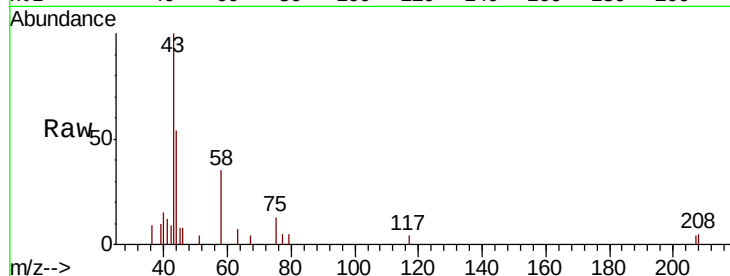
BFC28ME

Tot Ion: 43 Resp: 7029

Ion Ratio Lower Upper

43 100

58 21.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031013.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU031013.D (-360) (-)

2.34

2500

2000

1500

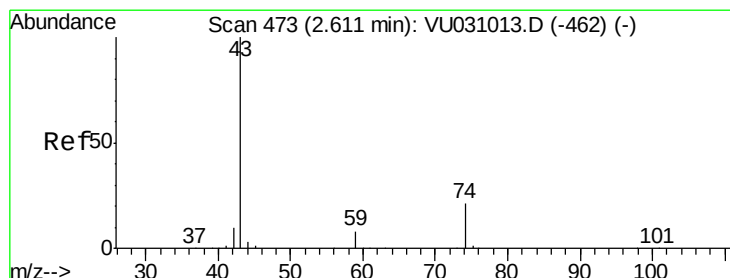
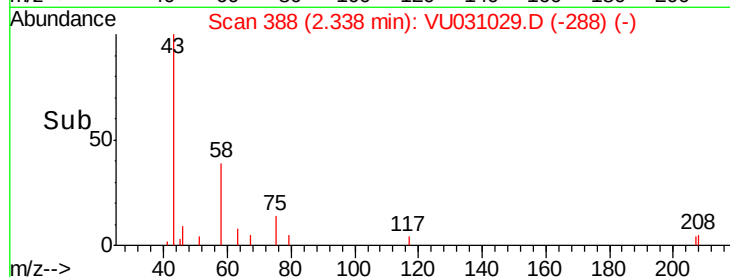
1000

500

0

2.30 2.35 2.40

Time-->



#15

Methyl Acetate

Concen: 0.830 ug/L

RT: 2.63 min Scan# 479

Delta R.T. 0.02 min

Lab File: VU031029.D

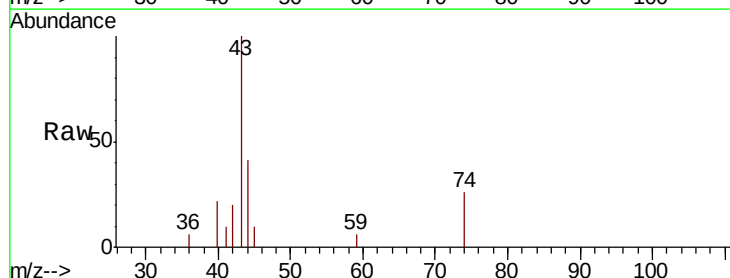
Acq: 10 Apr 2019 22:15

Tgt Ion: 43 Resp: 4234

Ion Ratio Lower Upper

43 100

74 2.6 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VU031013.D (-462) (-)

Ion 74.00 (73.70 to 74.70): VU031013.D (-462) (-)

2.63

2000

1500

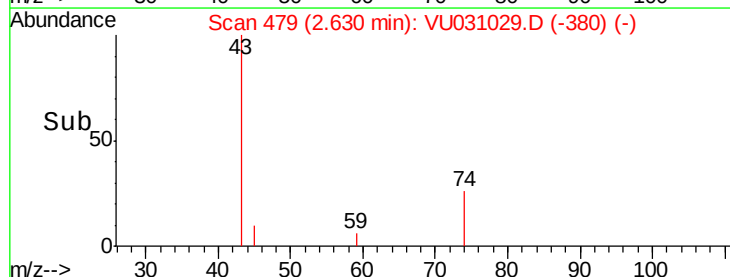
1000

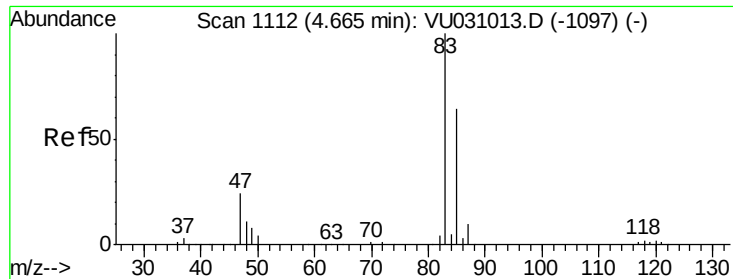
500

0

2.60 2.65

Time-->

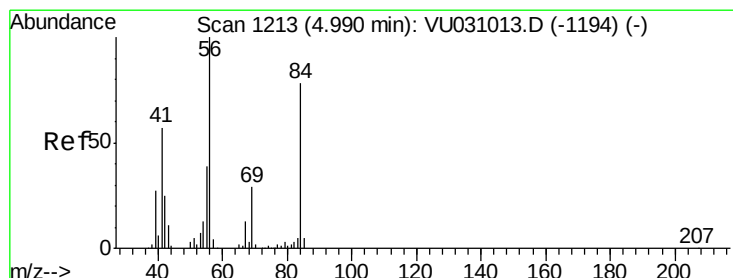
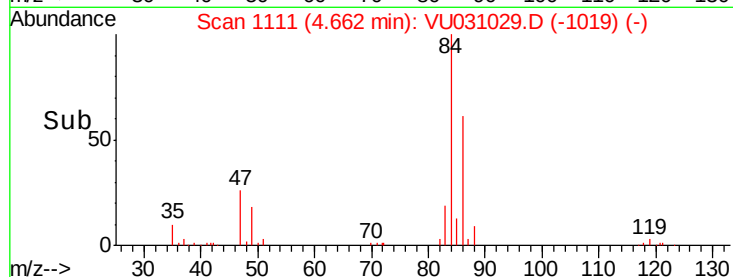
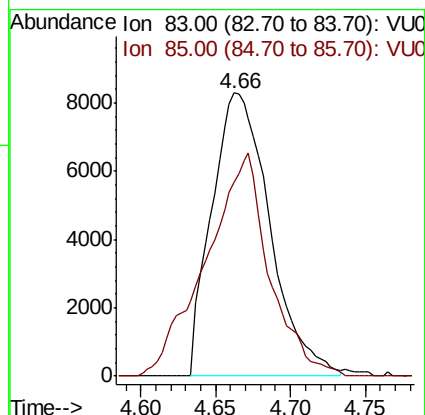
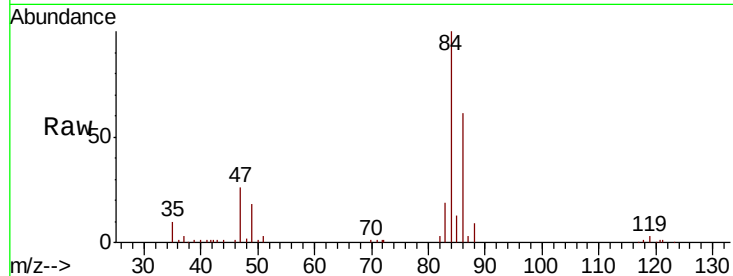




#25
Chloroform
Concen: 3.243 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU031029.D
Acq: 10 Apr 2019 22:15

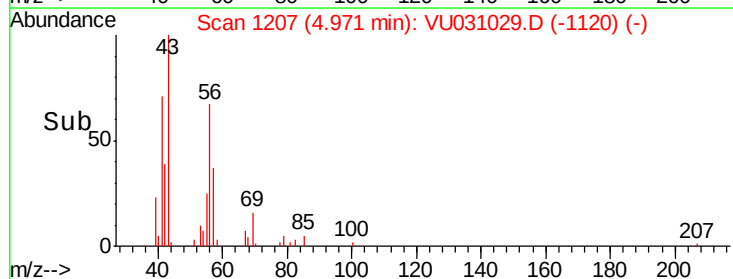
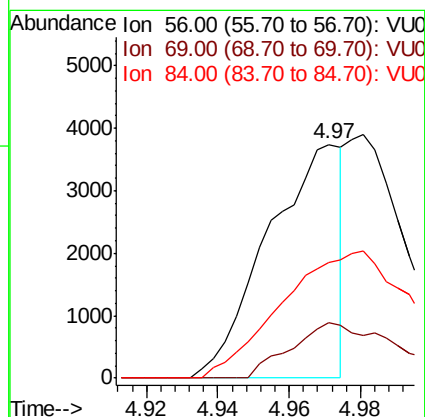
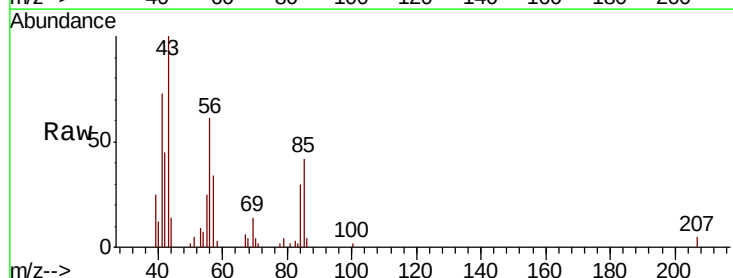
Instrument :
MSVOA_U
ClientSampleId :
BFC28ME

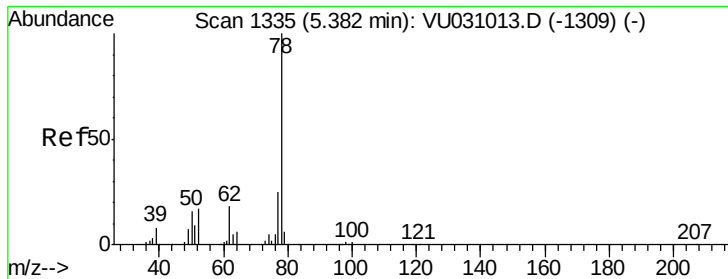
Tot Ion: 83 Resp: 22431
Ion Ratio Lower Upper
83 100
85 68.6 45.8 85.0



#29
Cyclohexane
Concen: 0.825 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VU031029.D
Acq: 10 Apr 2019 22:15

Tgt Ion: 56 Resp: 5388
Ion Ratio Lower Upper
56 100
69 21.6 22.0 33.0#
84 97.1 58.2 87.2#

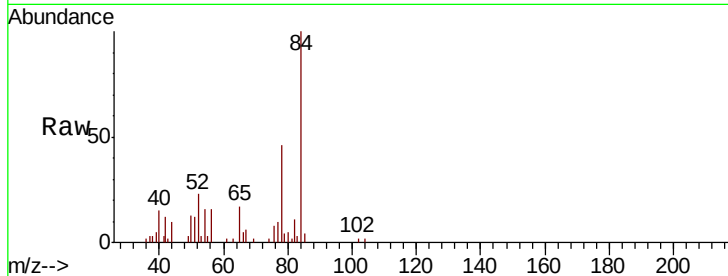




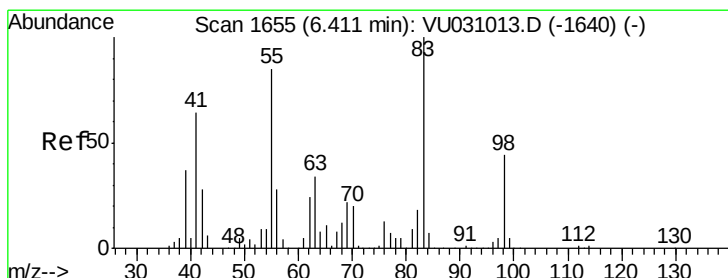
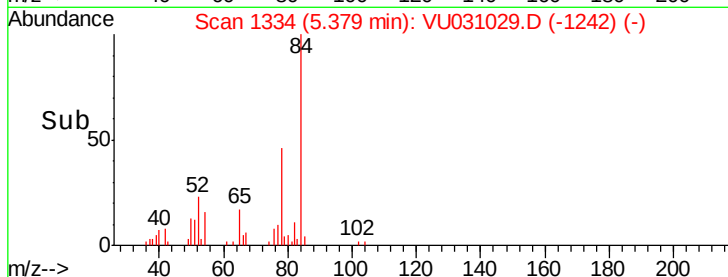
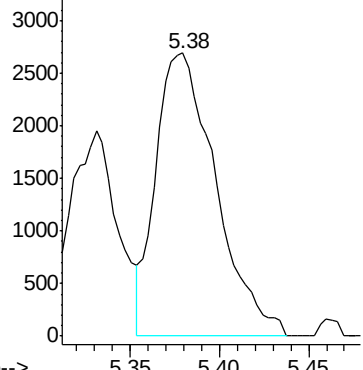
#33
Benzene
Concen: 0.418 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU031029.D
Acq: 10 Apr 2019 22:15

Instrument :
MSVOA_U
ClientSampleId :
BFC28ME

Tgt Ion: 78 Resp: 6270

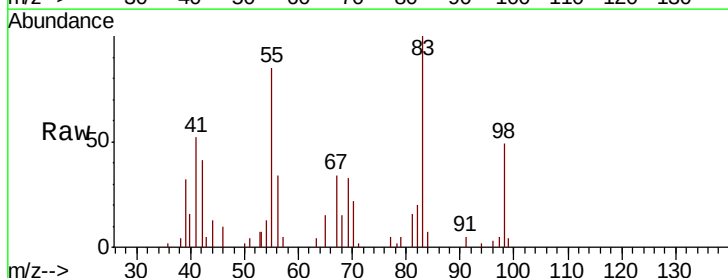


Abundance Ion 78.00 (77.70 to 78.70): VU0



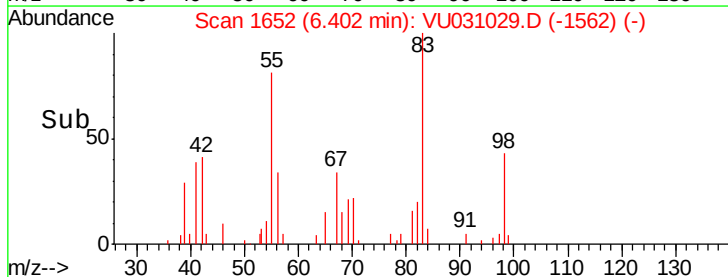
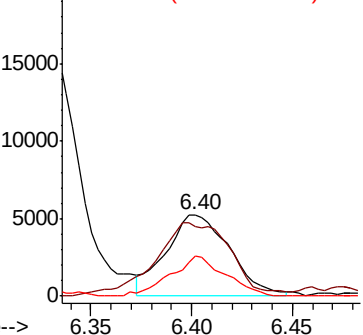
#35
Methylcyclohexane
Concen: 2.047 ug/L
RT: 6.40 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VU031029.D
Acq: 10 Apr 2019 22:15

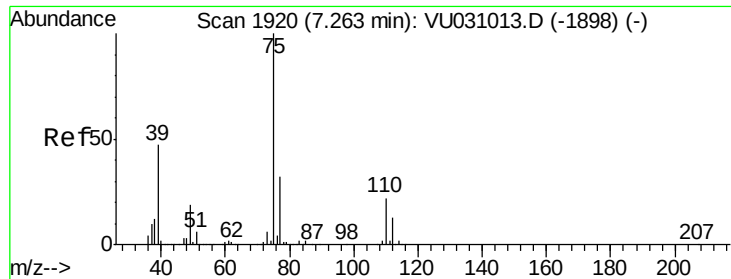
Tgt Ion: 83 Resp: 11624
Ion Ratio Lower Upper
83 100
55 66.4 71.6 107.4#
98 41.8 35.4 53.0



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

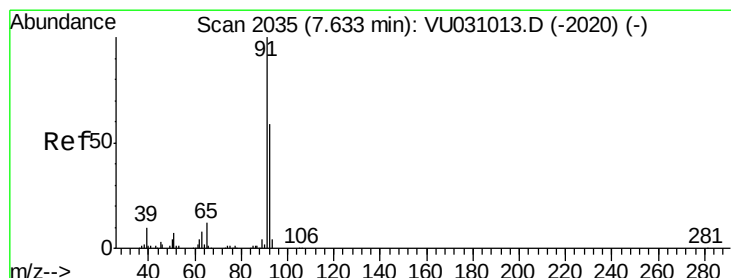
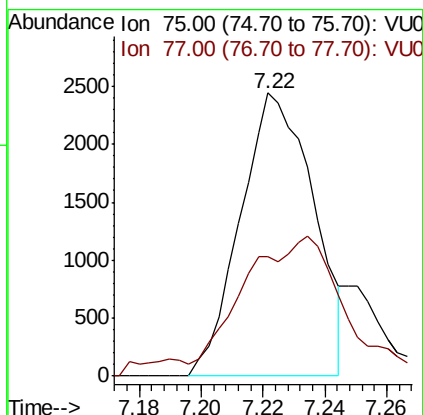
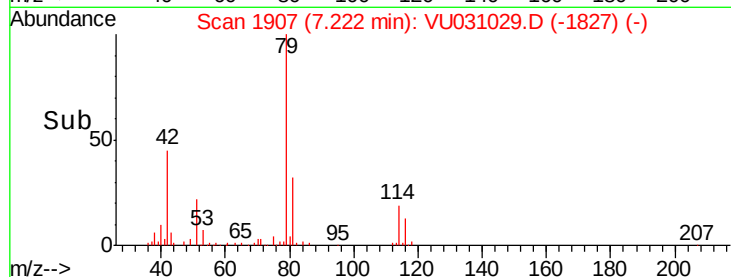
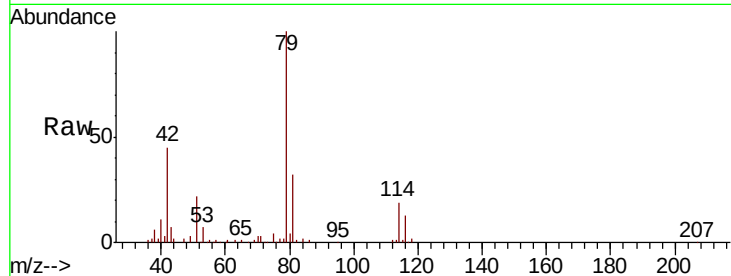




#39
 cis-1,3-Dichloropropene
 Concen: 0.665 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU031029.D
 Acq: 10 Apr 2019 22:15

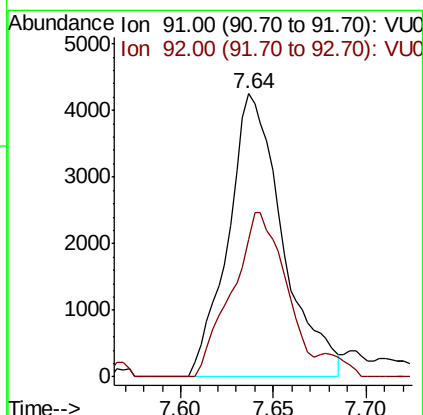
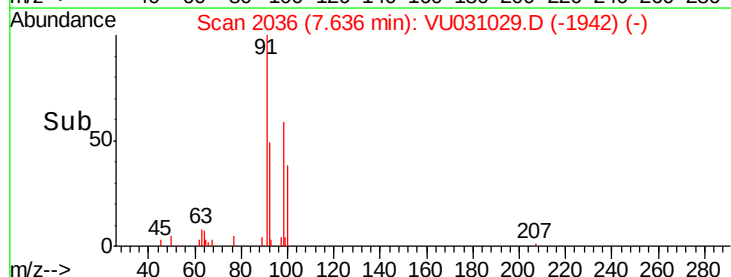
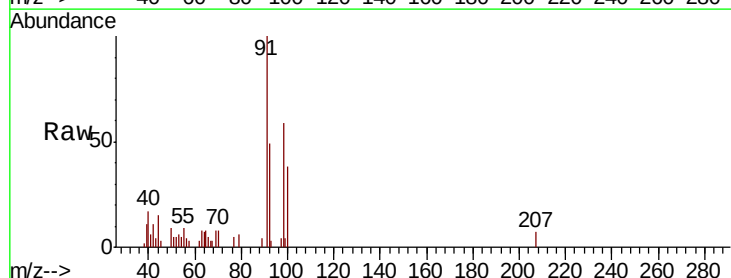
Instrument :
 MSVOA_U
 ClientSampled :
 BFC28ME

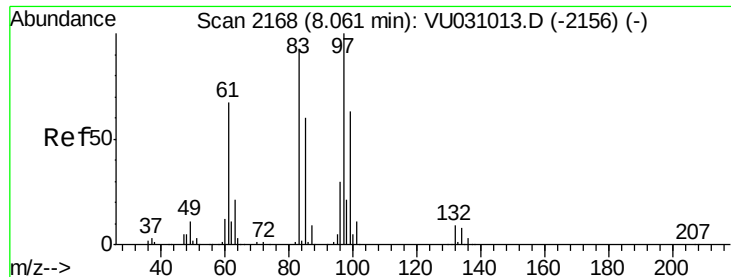
Tot Ion: 75 Resp: 4021
 Ion Ratio Lower Upper
 75 100
 77 42.3 23.1 42.9



#42
 Toluene
 Concen: 0.568 ug/L
 RT: 7.64 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VU031029.D
 Acq: 10 Apr 2019 22:15

Tgt Ion: 91 Resp: 8695
 Ion Ratio Lower Upper
 91 100
 92 48.7 40.0 74.4

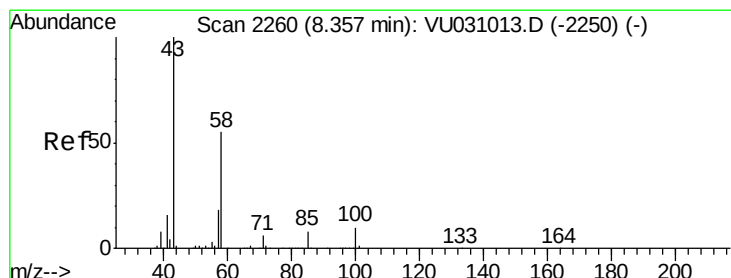
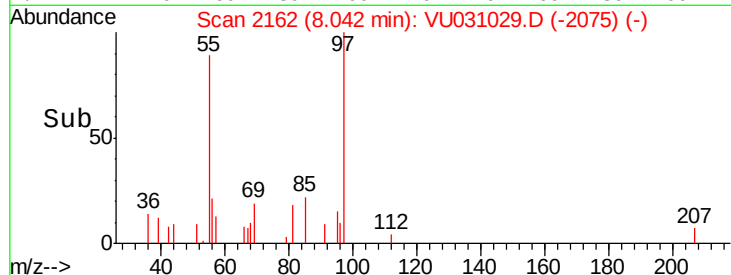
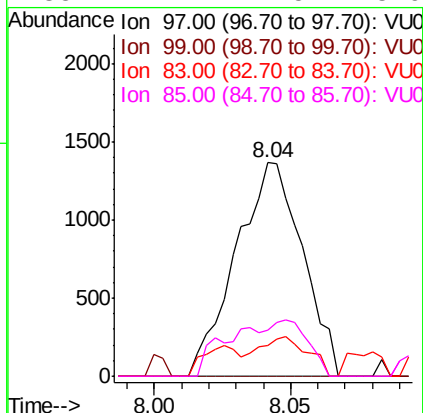
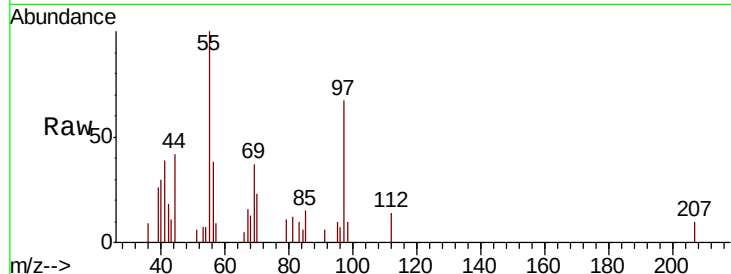




#45
 1,1,2-Trichloroethane
 Concen: 0.643 ug/L
 RT: 8.04 min Scan# 2162
 Delta R.T. -0.02 min
 Lab File: VU031029.D
 Acq: 10 Apr 2019 22:15

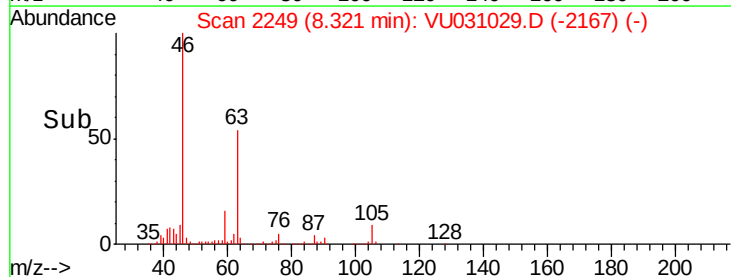
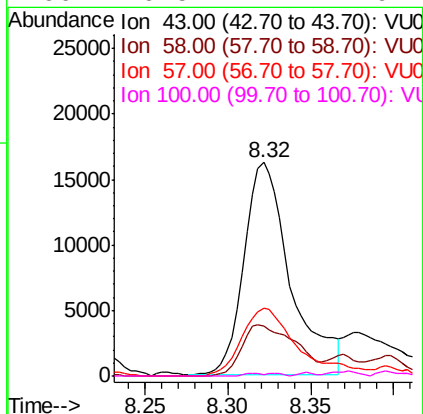
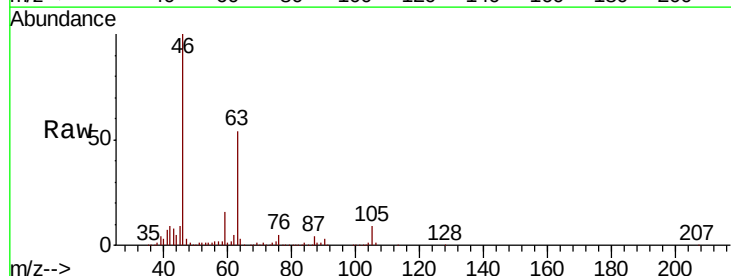
Instrument :
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 ClientSampleId :
 BFC28ME

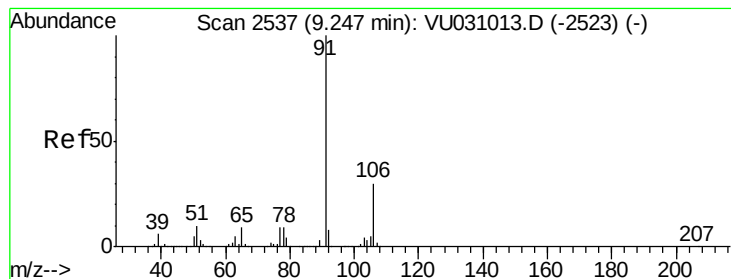
Tot Ion: 97 Resp: 2318
 Ion Ratio Lower Upper
 97 100
 99 0.0 44.0 81.8#
 83 14.3 65.3 121.3#
 85 21.7 42.5 78.9#



#48
 2-Hexanone
 Concen: 5.942 ug/L
 RT: 8.32 min Scan# 2249
 Delta R.T. -0.04 min
 Lab File: VU031029.D
 Acq: 10 Apr 2019 22:15

Tgt Ion: 43 Resp: 31664
 Ion Ratio Lower Upper
 43 100
 58 28.2 41.9 62.9#
 57 35.0 14.3 21.5#
 100 0.5 7.1 10.7#





#52

Ethylbenzene

Concen: 9.648 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031029.D

Acq: 10 Apr 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

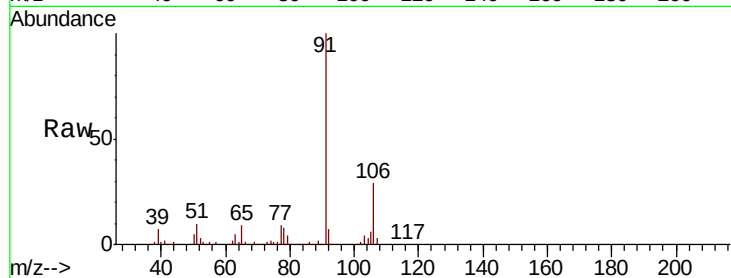
BFC28ME

Tot Ion: 91 Resp: 161033

Ion Ratio Lower Upper

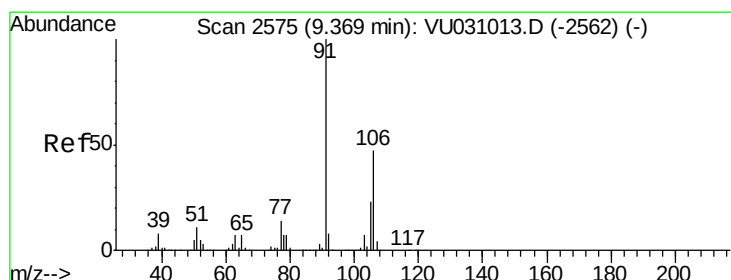
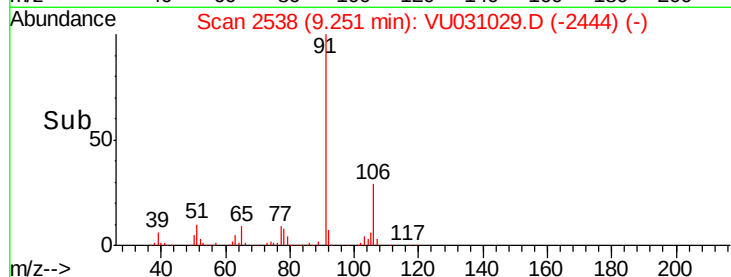
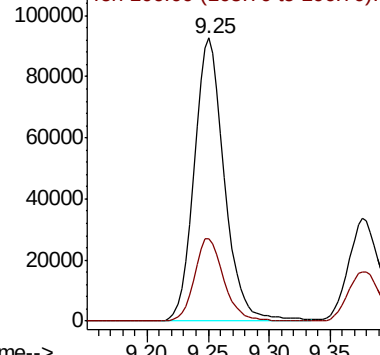
91 100

106 29.3 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 5.265 ug/L

RT: 9.38 min Scan# 2577

Delta R.T. 0.01 min

Lab File: VU031029.D

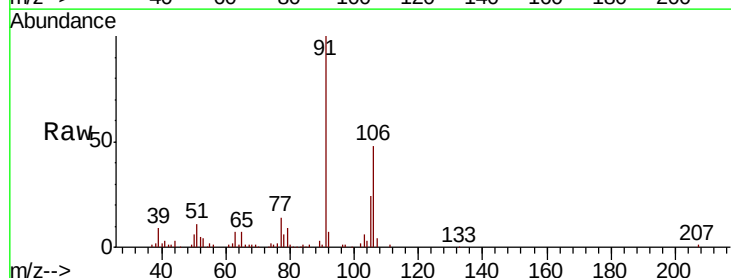
Acq: 10 Apr 2019 22:15

Tgt Ion: 106 Resp: 30648

Ion Ratio Lower Upper

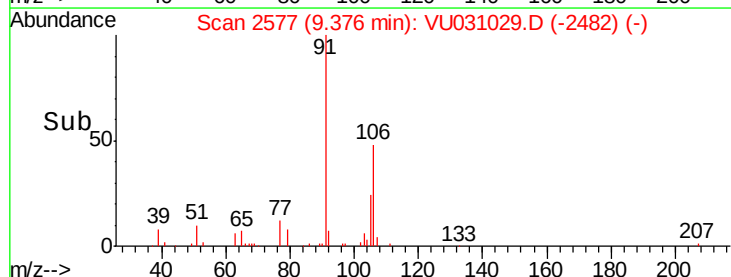
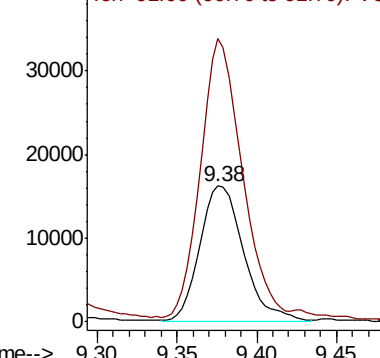
106 100

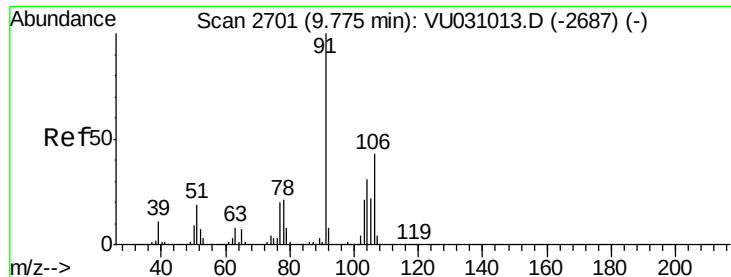
91 207.9 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#54

o-xylene

Concen: 4.161 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031029.D

Acq: 10 Apr 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

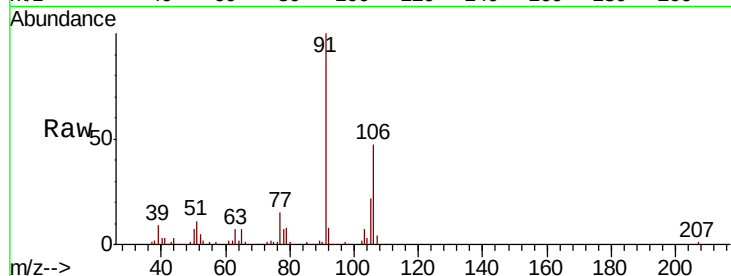
BFC28ME

Tot Ion:106 Resp: 24093

Ion Ratio Lower Upper

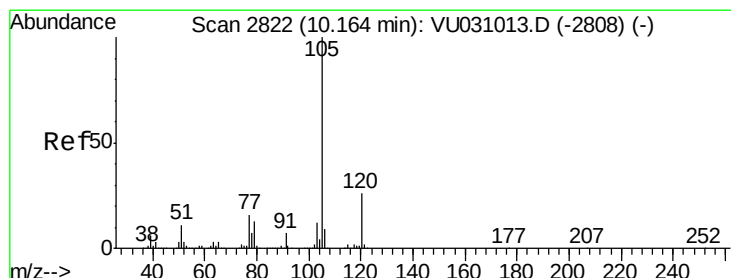
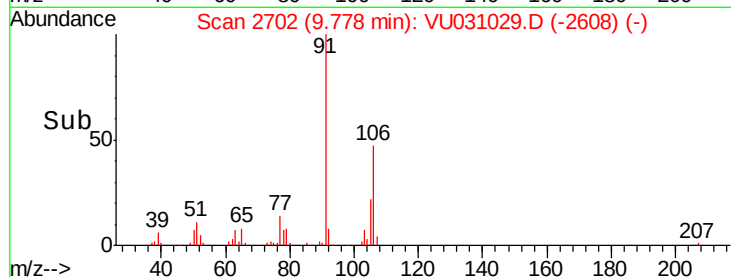
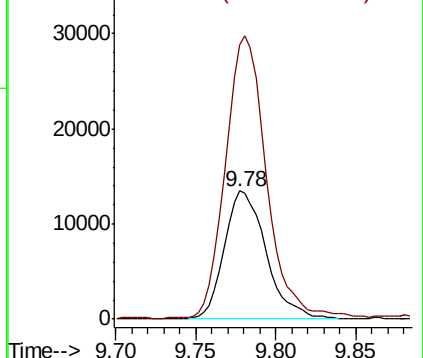
106 100

91 214.1 156.7 290.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 1.953 ug/L

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU031029.D

Acq: 10 Apr 2019 22:15

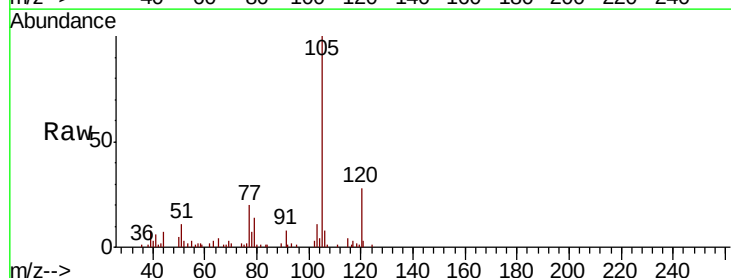
Tgt Ion:105 Resp: 29780

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

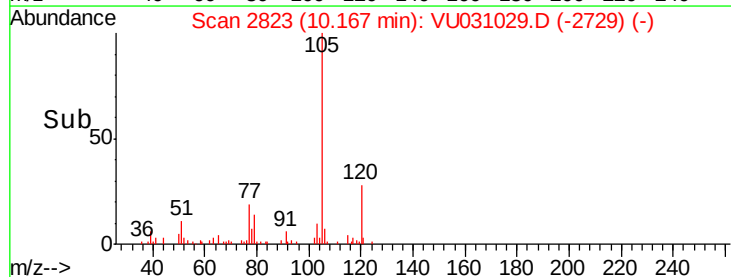
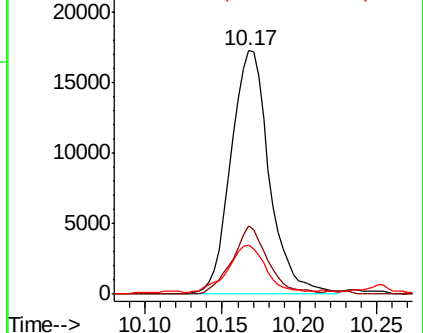
77 18.6 13.4 20.2

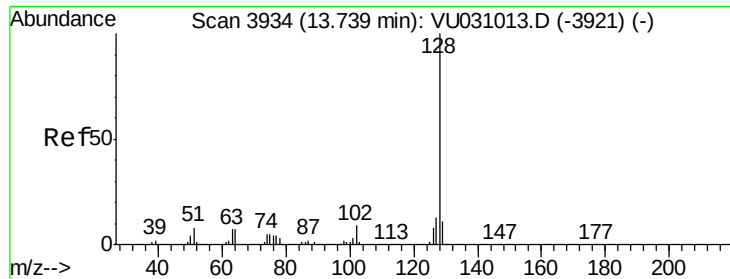


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 4.980 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU031029.D

Acq: 10 Apr 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

BFC28ME

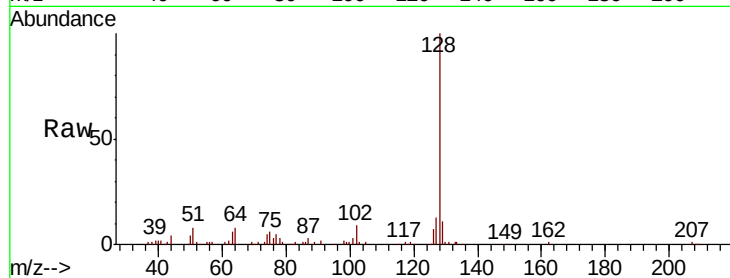
Tot Ion:128 Resp: 74968

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.5 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

