

Data File : VU030463.D
Acq On : 26 Mar 2019 23:02
Operator : JC/SP
Sample : K2063-08 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R8

Quant Time: Mar 27 06:07:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	458899	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	429679	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	190259	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	175076	47.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.82%
7) Chloroethane-d5	1.67	69	144134	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.48%
11) 1,1-Dichloroethene-d2	2.27	63	249224	35.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.14%
21) 2-Butanone-d5	4.17	46	358830	103.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.36%
24) Chloroform-d	4.64	84	302016	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	5.31	65	208933	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.36%
32) Benzene-d6	5.34	84	625497	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.52%
36) 1,2-Dichloropropane-d6	6.32	67	218773	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.78%
41) Toluene-d8	7.56	98	539507	48.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.50%
43) trans-1,3-Dichloropropene-	7.85	79	92079	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.31	63	236931	103.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303668	50.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.68%
64) 1,2-Dichlorobenzene-d4	11.86	152	191676	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2052	0.613	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2319	0.706	ug/L #	1
13) Acetone	2.32	43	3570	1.017	ug/L	63
29) Cyclohexane	4.99	56	28971	4.455	ug/L	96
33) Benzene	5.39	78	79212	5.416	ug/L	100
35) Methylcyclohexane	6.41	83	13596	2.298	ug/L	88
42) Toluene	7.63	91	2007058	132.217	ug/L	99
48) 2-Hexanone	8.37	43	10911	1.909	ug/L #	86
51) Chlorobenzene	9.12	112	6212	0.675	ug/L	88
52) Ethylbenzene	9.25	91	499490	30.375	ug/L	99
53) m,p-Xylene	9.37	106	605491	101.977	ug/L	98
54) o-xylene	9.77	106	283539	48.941	ug/L	100
56) Isopropylbenzene	10.16	105	15795	1.030	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	3386	0.529	ug/L	85
69) Naphthalene	13.74	128	99358	6.904	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

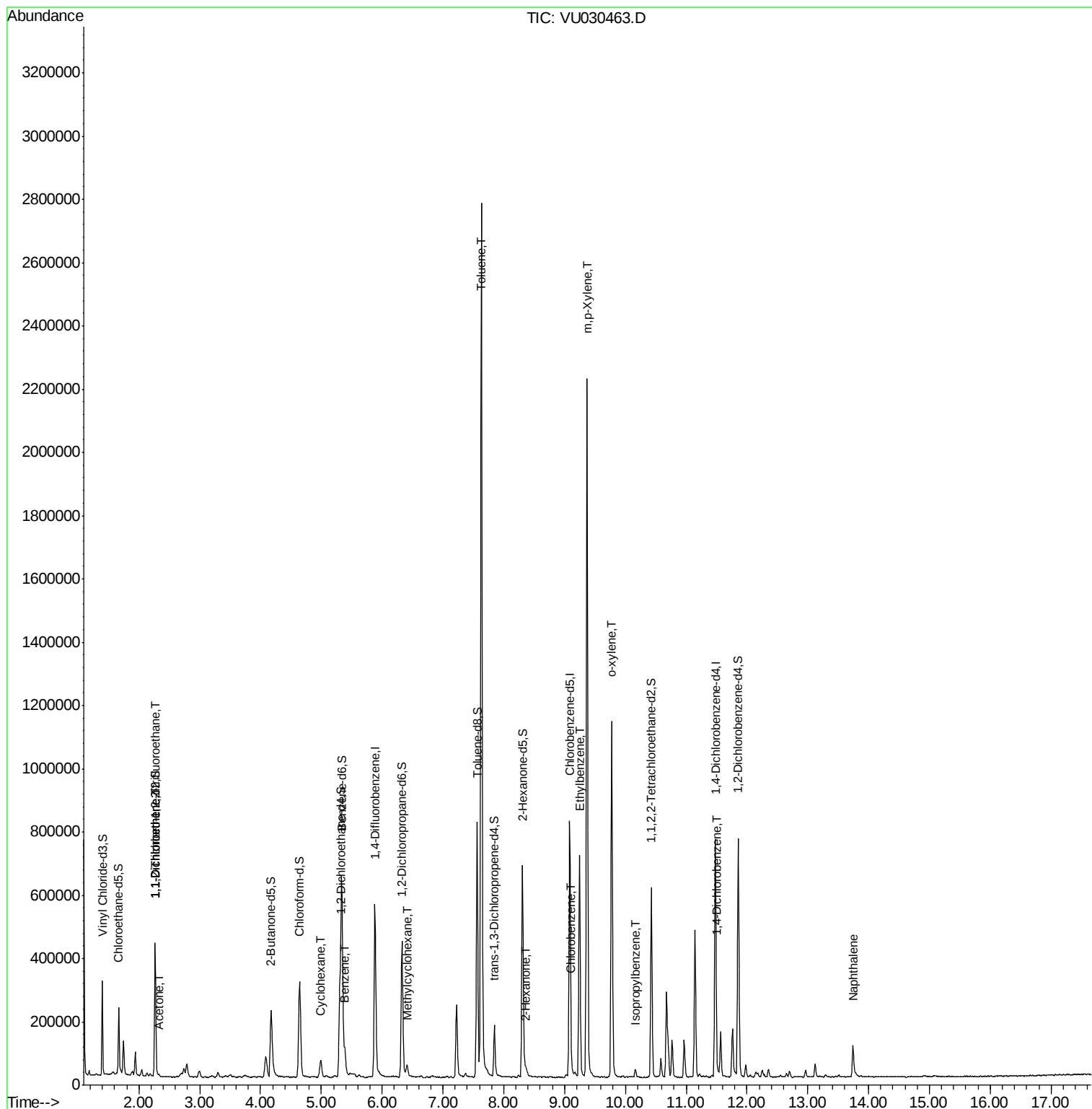
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

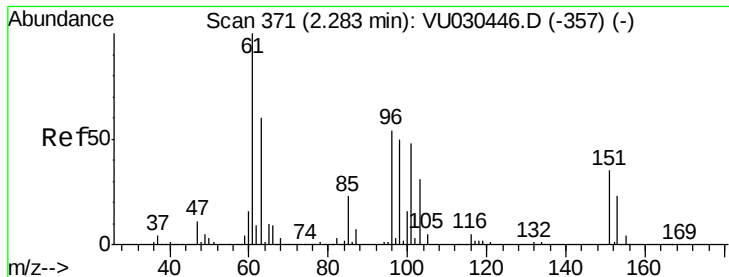
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.613 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

DB6R8

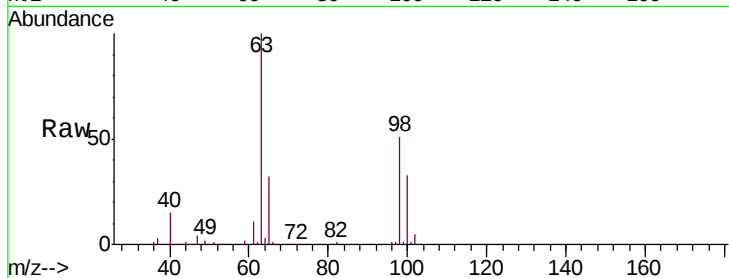
Tgt Ion: 101 Resp: 2052

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

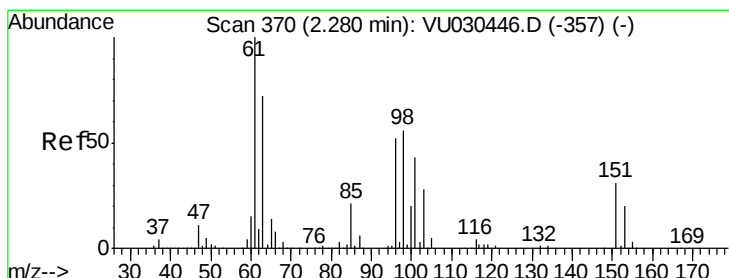
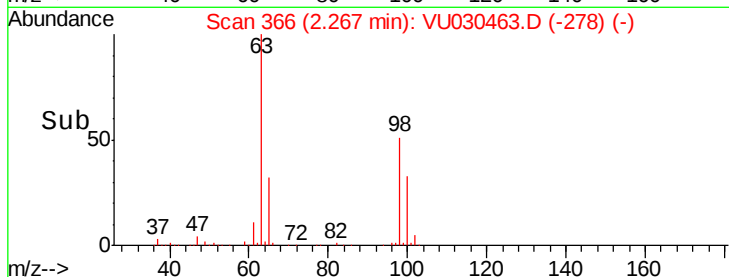
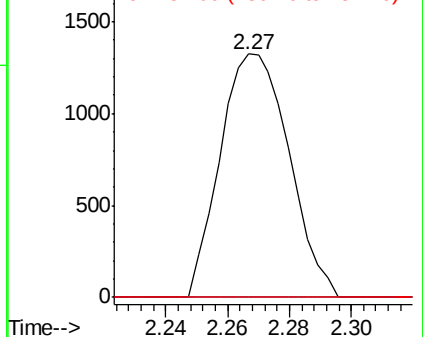
151 0.0 56.6 85.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.706 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

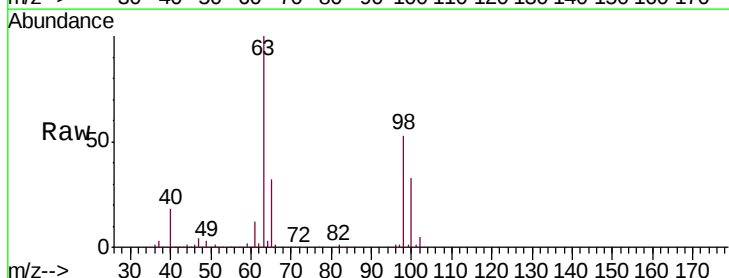
Tgt Ion: 96 Resp: 2319

Ion Ratio Lower Upper

96 100

61 1092.4 131.0 243.4#

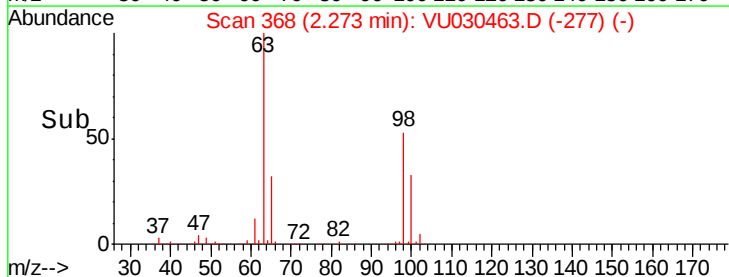
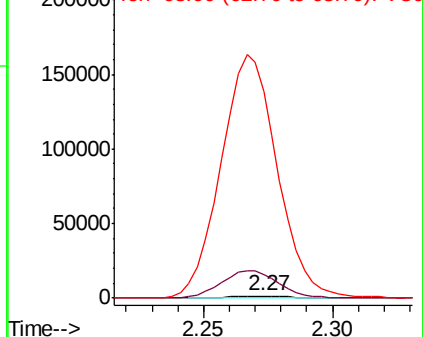
63 9384.9 92.4 171.6#

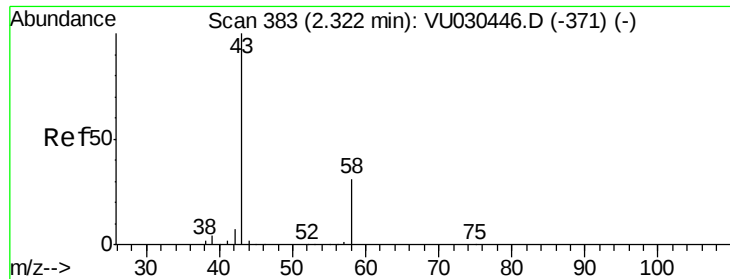


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.017 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

Instrument :

MSVOA_U

ClientSampled :

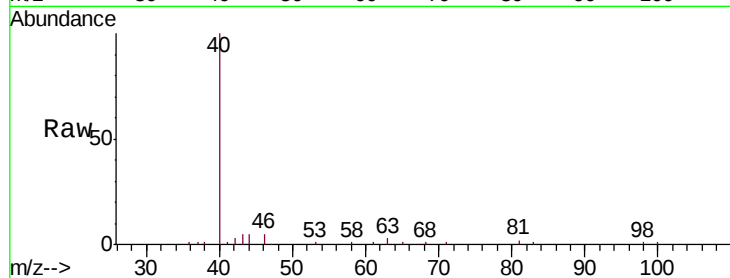
DB6R8

Tgt Ion: 43 Resp: 3570

Ion Ratio Lower Upper

43 100

58 11.0 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030446.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU030446.D (-371) (-)

1500

1000

500

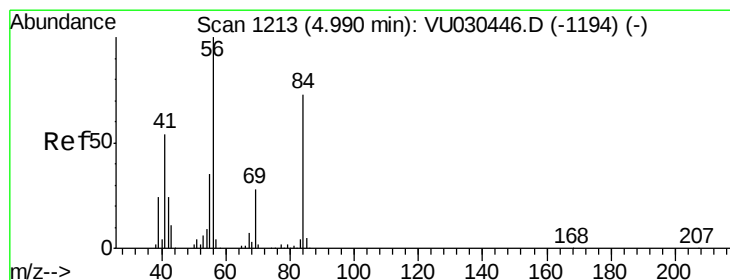
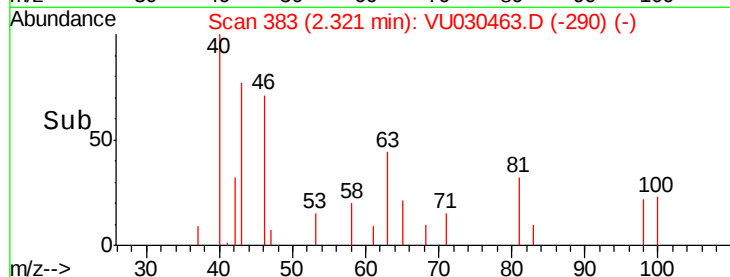
0

2.25

2.30

2.35

Time-->



#29

Cyclohexane

Concen: 4.455 ug/L

RT: 4.99 min Scan# 1214

Delta R.T. 0.00 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

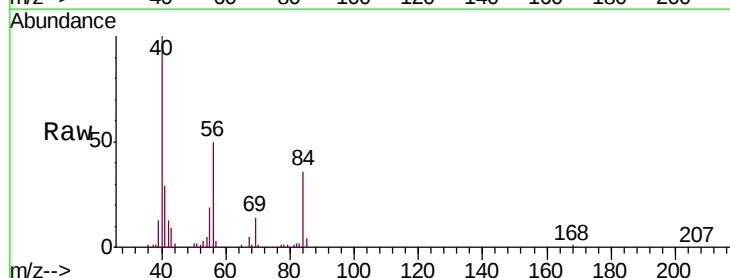
Tgt Ion: 56 Resp: 28971

Ion Ratio Lower Upper

56 100

69 29.4 22.9 34.3

84 69.4 58.9 88.3



Abundance Ion 56.00 (55.70 to 56.70): VU030446.D (-1194) (-)

Ion 69.00 (68.70 to 69.70): VU030446.D (-1194) (-)

Ion 84.00 (83.70 to 84.70): VU030446.D (-1194) (-)

15000

10000

5000

0

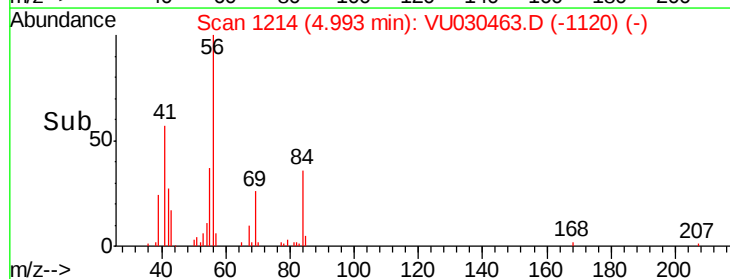
4.90

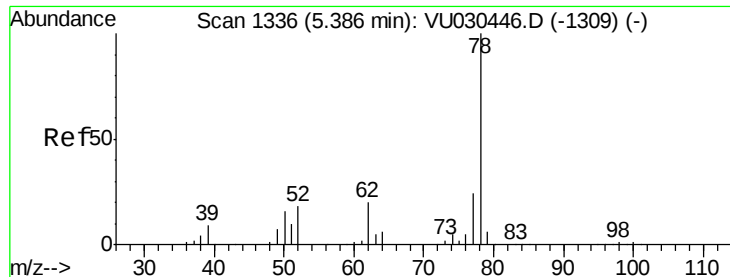
4.95

5.00

5.05

Time-->





#33

Benzene

Concen: 5.416 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

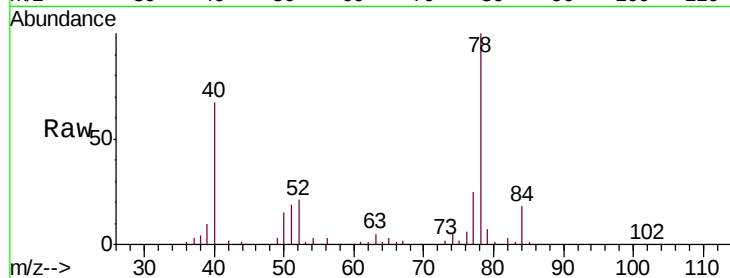
Instrument :

MSVOA_U

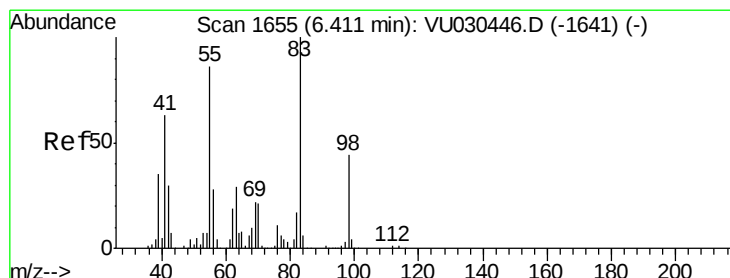
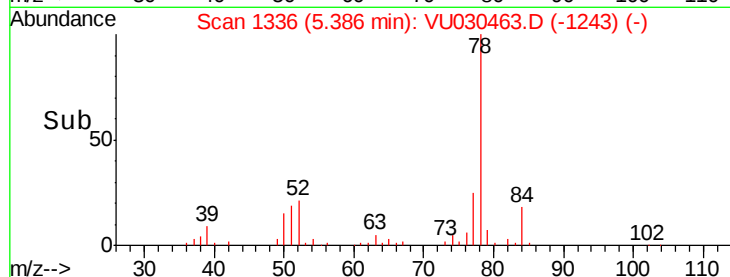
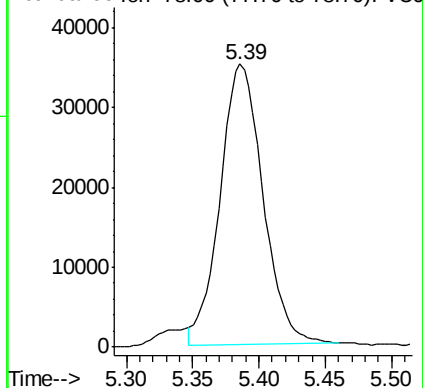
ClientSampled :

DB6R8

Tgt Ion: 78 Resp: 79212



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 2.298 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU030463.D

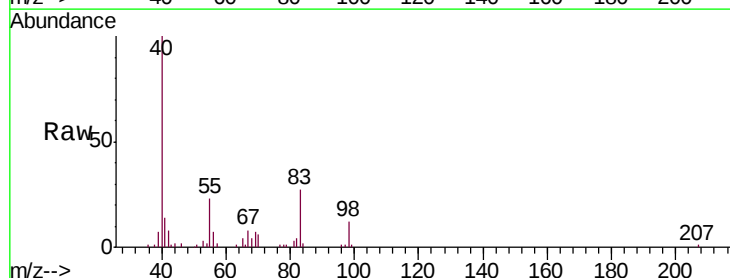
Acq: 26 Mar 2019 23:02

Tgt Ion: 83 Resp: 13596

Ion	Ratio	Lower	Upper
83	100		

55	106.4	71.4	107.0
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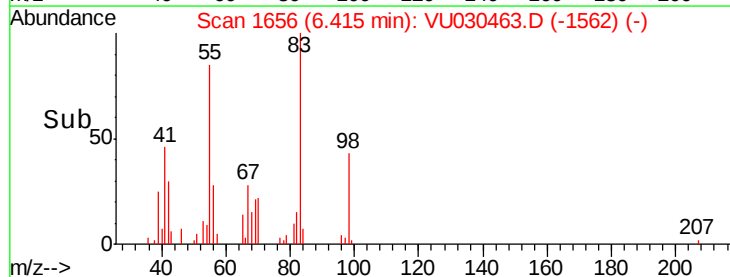
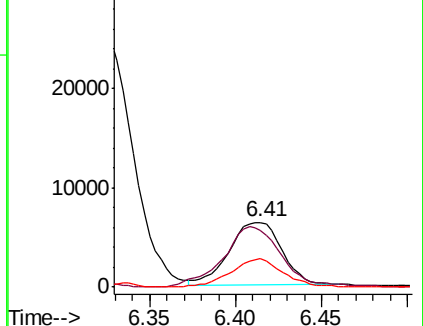
98	44.4	36.0	54.0
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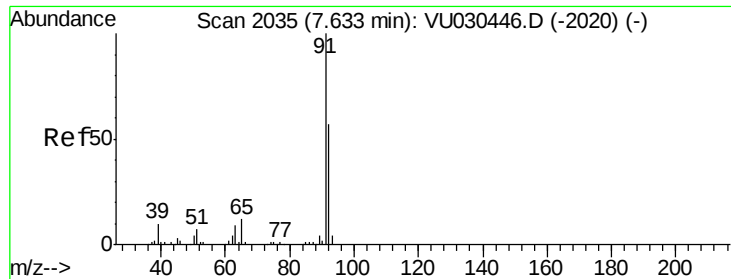


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#42

Toluene

Concen: 132.217 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

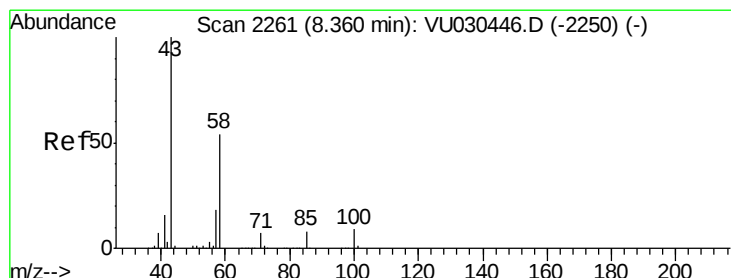
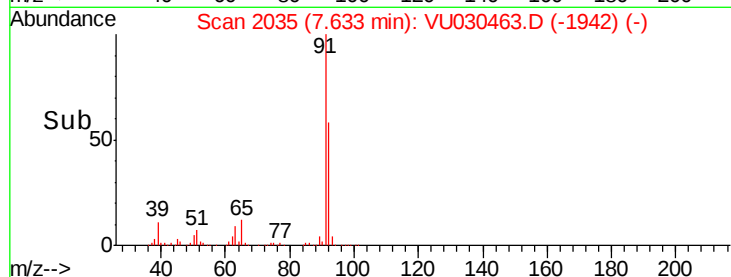
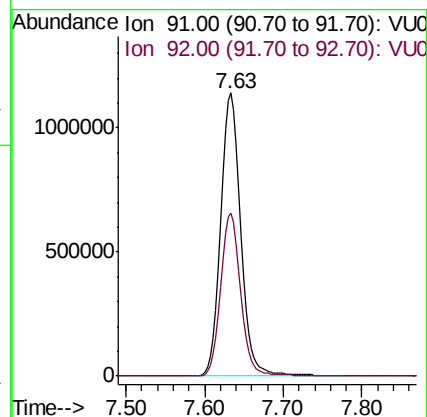
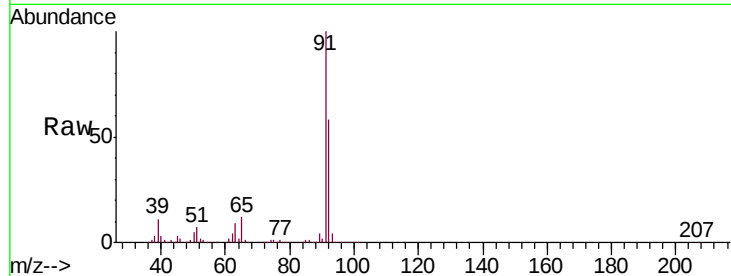
DB6R8

Tgt Ion: 91 Resp: 2007058

Ion Ratio Lower Upper

91 100

92 57.7 39.7 73.7



#48

2-Hexanone

Concen: 1.909 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

Tgt Ion: 43 Resp: 10911

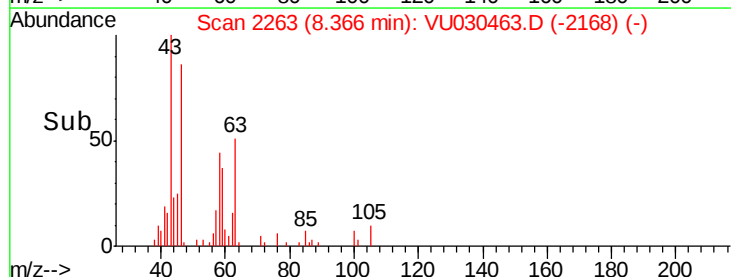
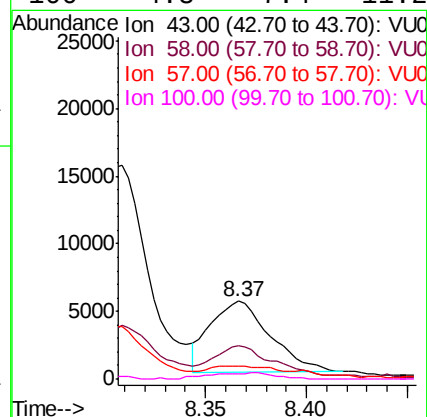
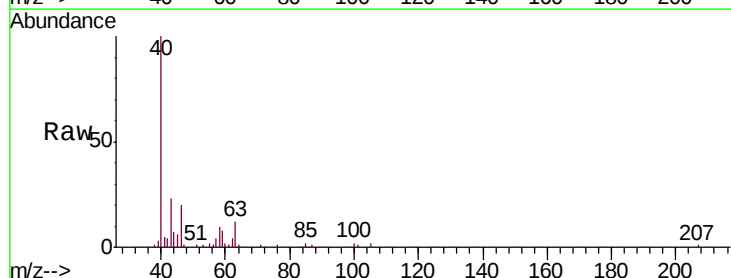
Ion Ratio Lower Upper

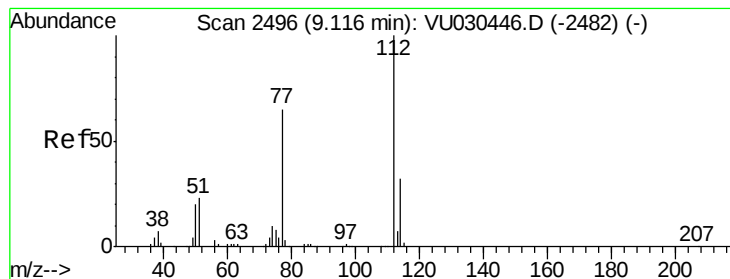
43 100

58 49.2 42.5 63.7

57 2.3 15.0 22.6#

100 4.8 7.4 11.2#





#51

Chlorobenzene

Concen: 0.675 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

DB6R8

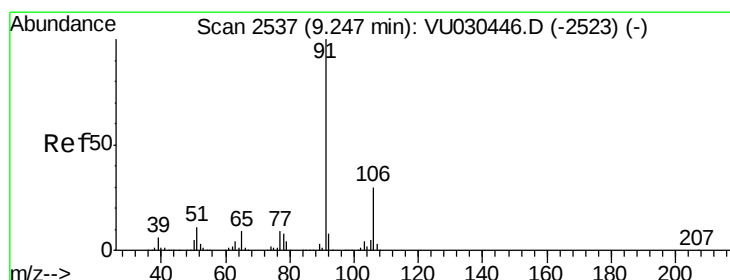
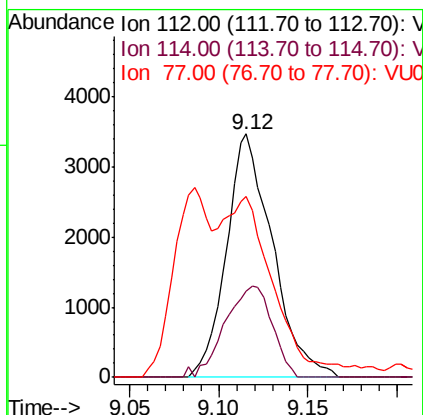
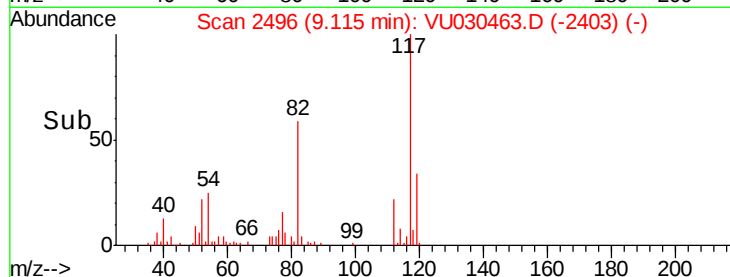
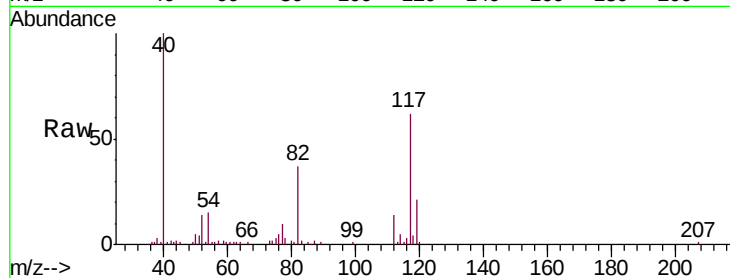
Tgt Ion: 112 Resp: 6212

Ion Ratio Lower Upper

112 100

114 35.4 21.5 39.9

77 74.5 51.4 77.0



#52

Ethylbenzene

Concen: 30.375 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030463.D

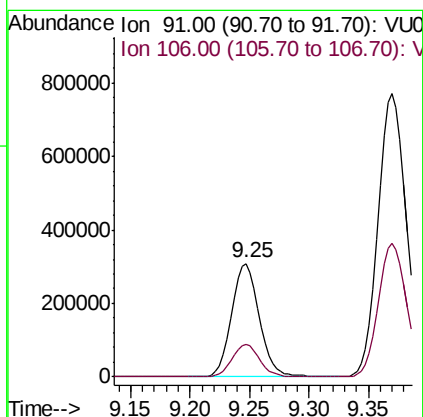
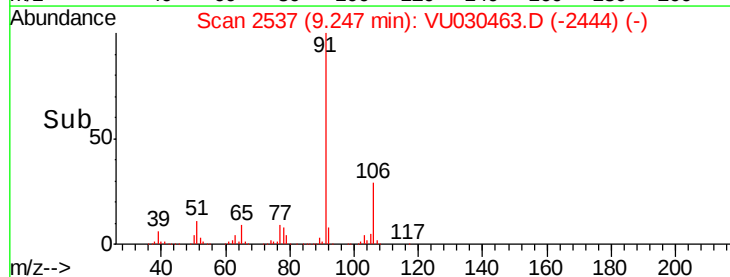
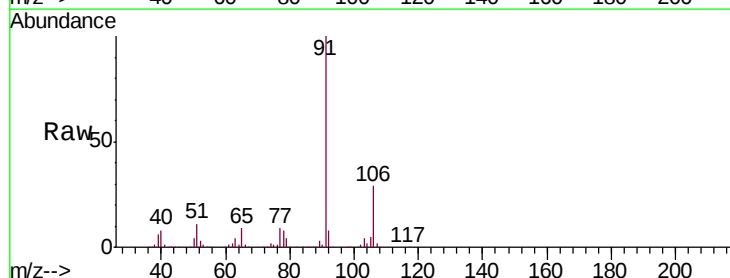
Acq: 26 Mar 2019 23:02

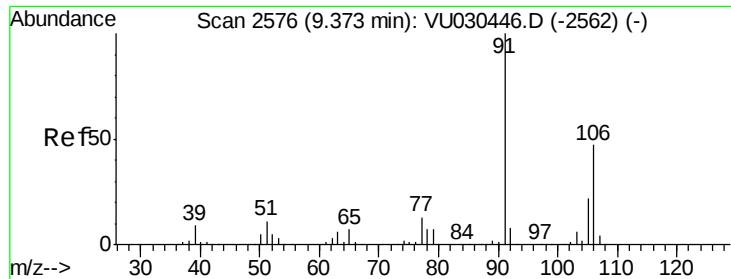
Tgt Ion: 91 Resp: 499490

Ion Ratio Lower Upper

91 100

106 28.9 20.6 38.2





#53

m,p-Xylene

Concen: 101.977 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030463.D

Acq: 26 Mar 2019 23:02

Instrument :

MSVOA_U

ClientSampled :

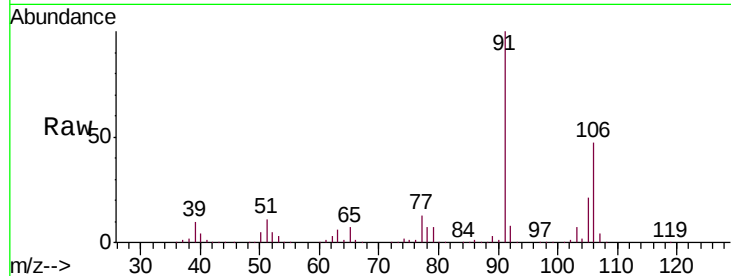
DB6R8

Tgt Ion:106 Resp: 605491

Ion Ratio Lower Upper

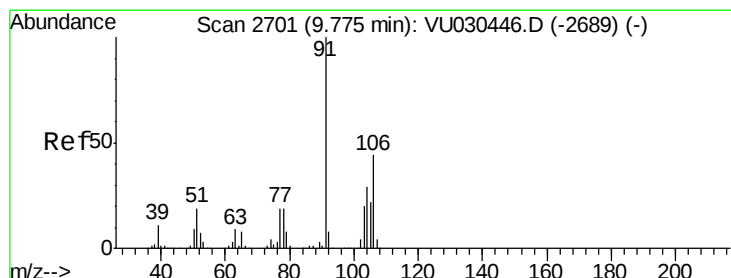
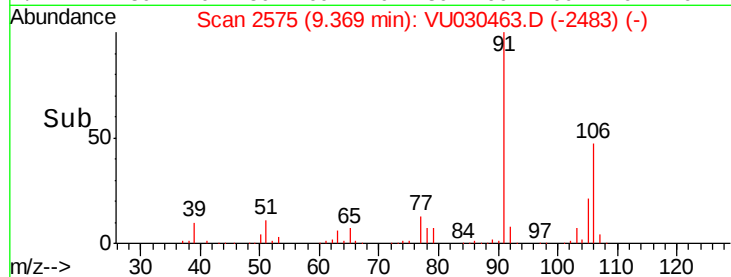
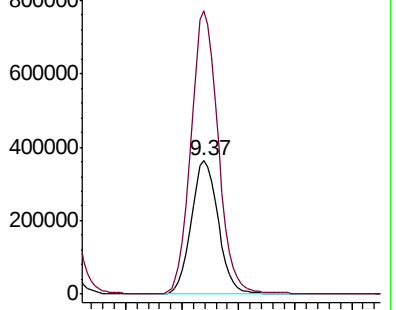
106 100

91 212.5 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 48.941 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030463.D

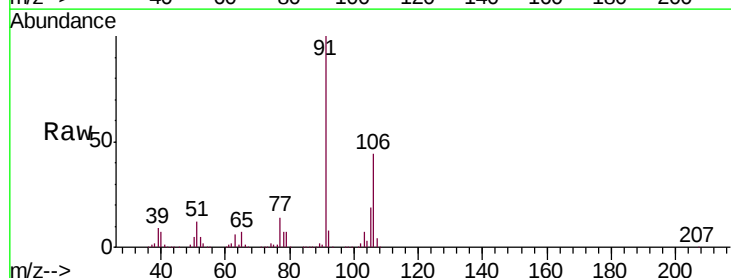
Acq: 26 Mar 2019 23:02

Tgt Ion:106 Resp: 283539

Ion Ratio Lower Upper

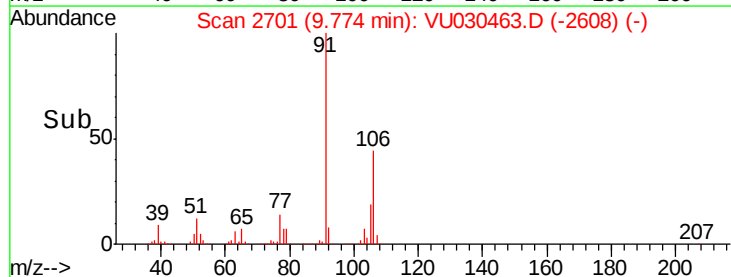
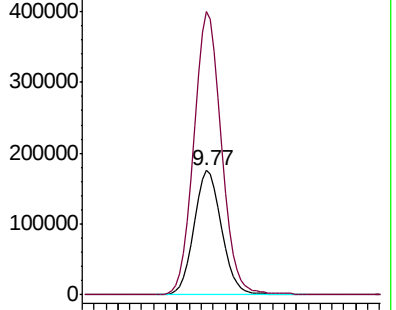
106 100

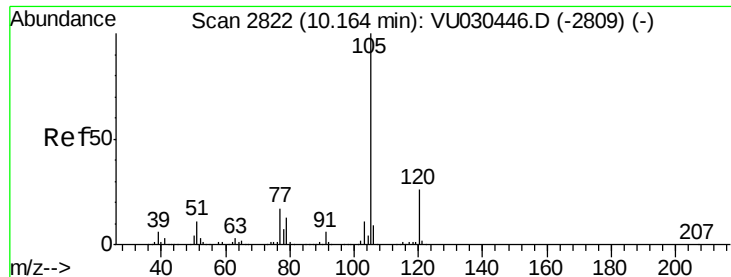
91 228.1 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

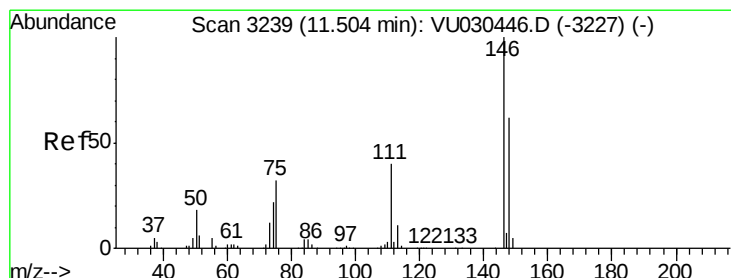
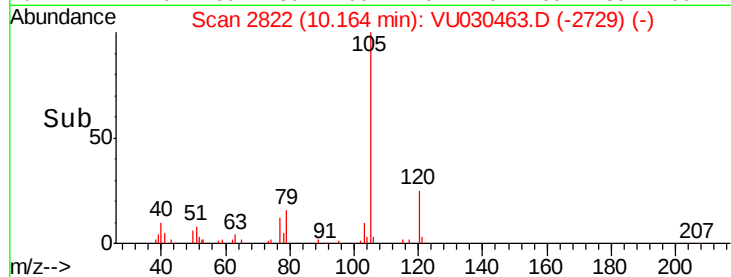
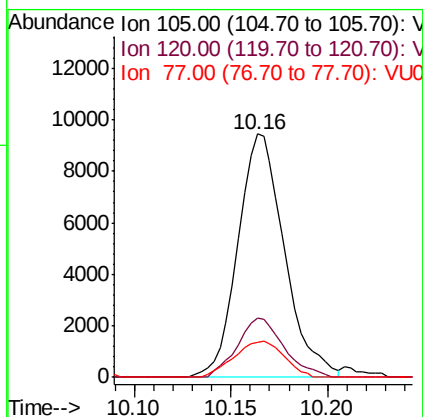
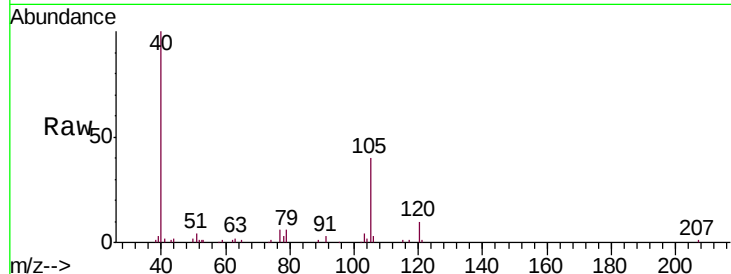




#56
Isopropylbenzene
Concen: 1.030 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. -0.00 min
Lab File: VU030463.D
Acq: 26 Mar 2019 23:02

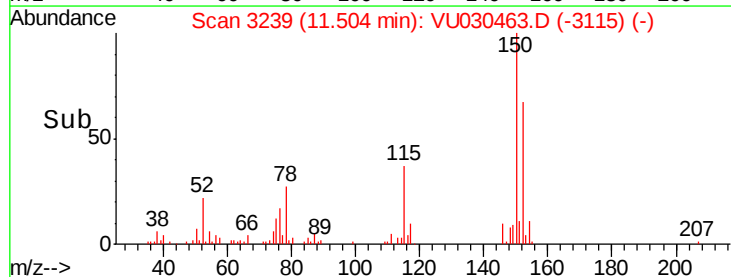
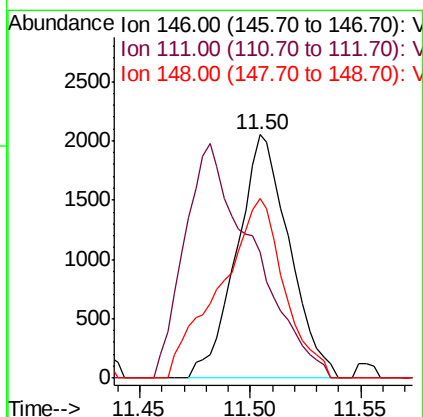
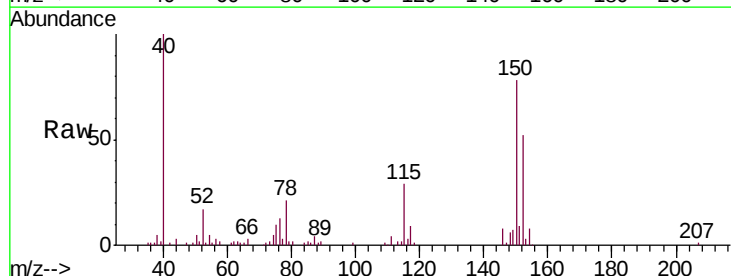
Instrument :
MSVOA_U
ClientSampleId :
DB6R8

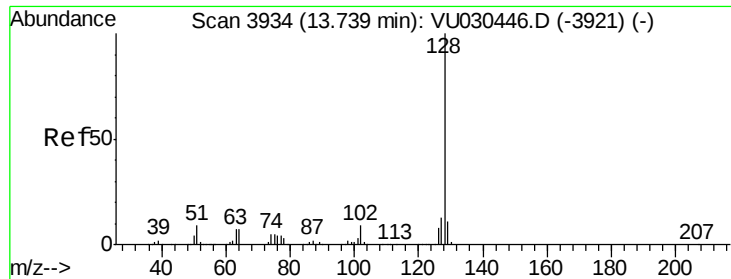
Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.3	20.2	30.2
77	15.8	13.2	19.8



#63
1,4-Dichlorobenzene
Concen: 0.529 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU030463.D
Acq: 26 Mar 2019 23:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.7	28.7	53.3
148	73.7	44.3	82.3





#69

Naphthalene

Concen: 6.904 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030463.D

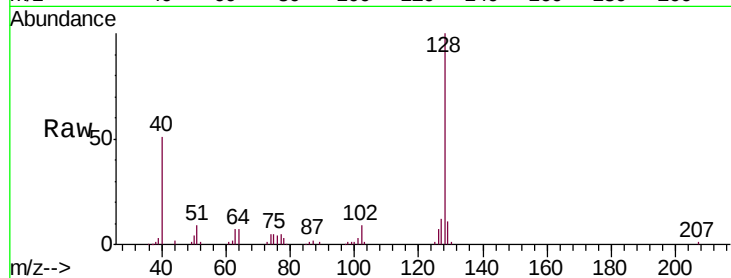
Acq: 26 Mar 2019 23:02

Instrument :

MSVOA_U

ClientSampleId :

DB6R8



Tgt Ion:128 Resp: 99358

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.1 8.4 12.6

