

Data File : VU030462.D
Acq On : 26 Mar 2019 22:38
Operator : JC/SP
Sample : K2063-07MSD 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

Quant Time: Mar 27 06:06:47 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	448871	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	432827	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	192491	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	180110	49.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.72%
7) Chloroethane-d5	1.66	69	142007	49.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.27	63	326243	47.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.22%
21) 2-Butanone-d5	4.17	46	362151	106.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.64%
24) Chloroform-d	4.64	84	306190	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
26) 1,2-Dichloroethane-d4	5.30	65	210738	51.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.48%
32) Benzene-d6	5.34	84	630408	50.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.58%
36) 1,2-Dichloropropane-d6	6.33	67	222677	52.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.86%
41) Toluene-d8	7.56	98	551924	49.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.02%
43) trans-1,3-Dichloropropene-	7.85	79	96171	48.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.32%
47) 2-Hexanone-d5	8.31	63	244934	106.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.43%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	309359	50.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	197943	51.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.64%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2410	0.736 ug/L #	23
12) 1,1-Dichloroethene	2.28	96	134562	41.899 ug/L	87
13) Acetone	2.32	43	2266	0.660 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	5218	0.468 ug/L #	1
27) 1,2-Dichloroethane	5.39	62	18741	3.634 ug/L #	75
29) Cyclohexane	4.99	56	17087	2.609 ug/L	94
33) Benzene	5.38	78	1580245	107.253 ug/L	100
34) Trichloroethene	6.18	95	156320	43.158 ug/L	99
35) Methylcyclohexane	6.41	83	11784	1.977 ug/L	97
42) Toluene	7.63	91	3692064	241.449 ug/L	99
48) 2-Hexanone	8.37	43	8022	1.394 ug/L #	80
50) 1,2-Dibromoethane	8.59	107	11150	2.941 ug/L	99
51) Chlorobenzene	9.12	112	427193	46.096 ug/L	98
52) Ethylbenzene	9.24	91	402520	24.300 ug/L	98
53) m,p-Xylene	9.37	106	507912	84.920 ug/L	100
54) o-xylene	9.78	106	240712	41.247 ug/L	97
55) Styrene	9.78	104	37205	3.701 ug/L #	1

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

Data File : VU030462.D
Acq On : 26 Mar 2019 22:38
Operator : JC/SP
Sample : K2063-07MSD 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

Quant Time: Mar 27 06:06:47 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

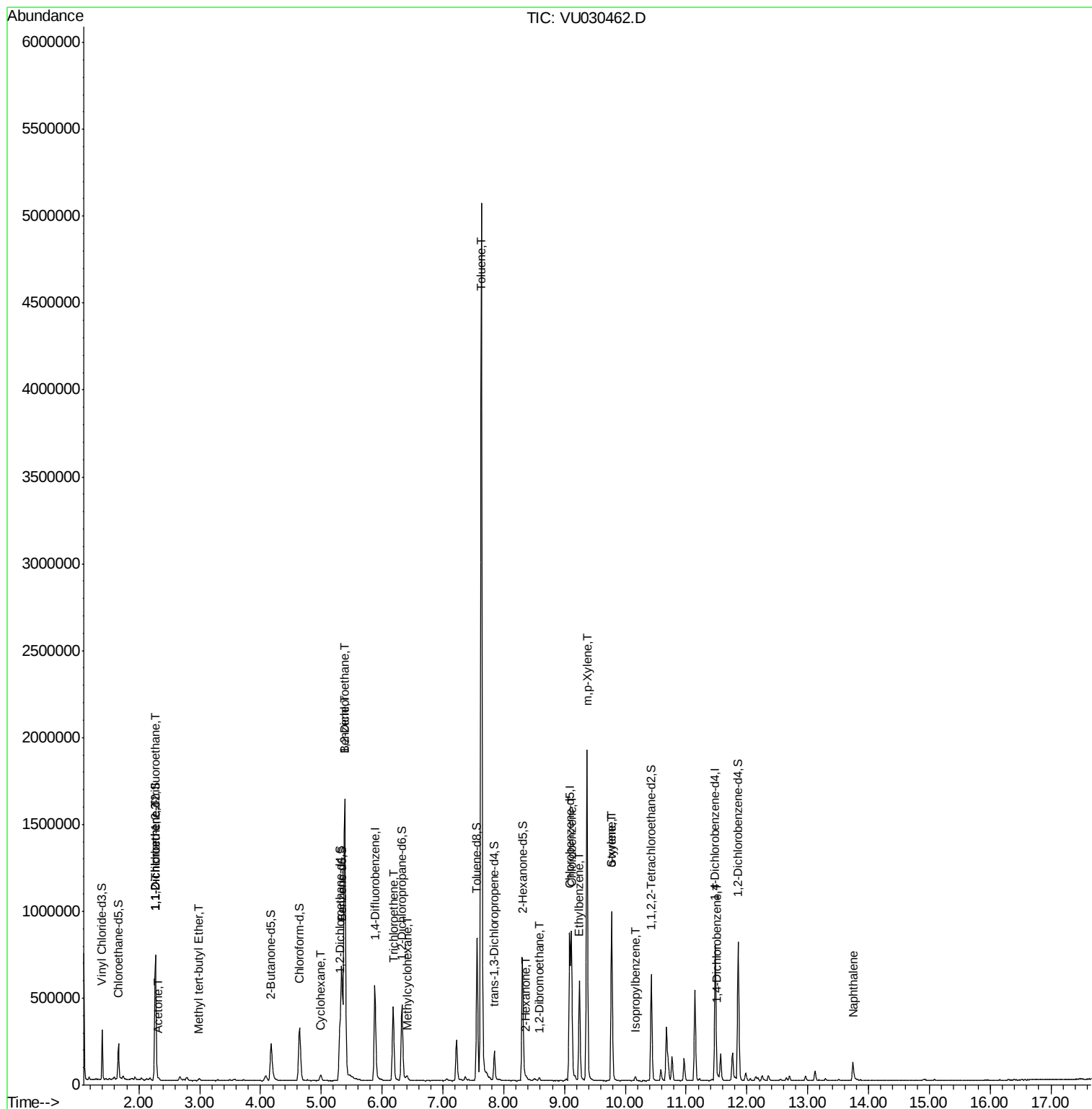
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Isopropylbenzene	10.16	105	16481	1.067	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	3875	0.598	ug/L	97
69) Naphthalene	13.74	128	108715	7.467	ug/L	99

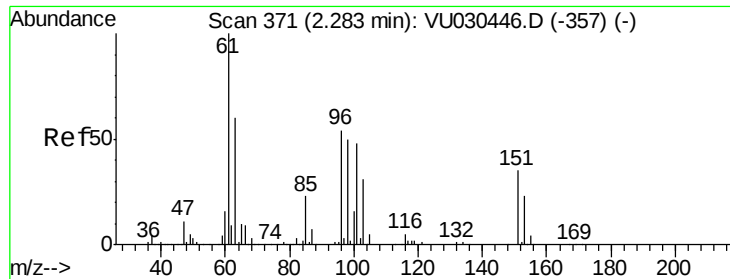
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU030462.D
Acq On : 26 Mar 2019 22:38
Operator : JC/SP
Sample : K2063-07MSD 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

Quant Time: Mar 27 06:06:47 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





#10

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

Concen: 0.736 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030462.D

Acq: 26 Mar 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

DB6R7MSD

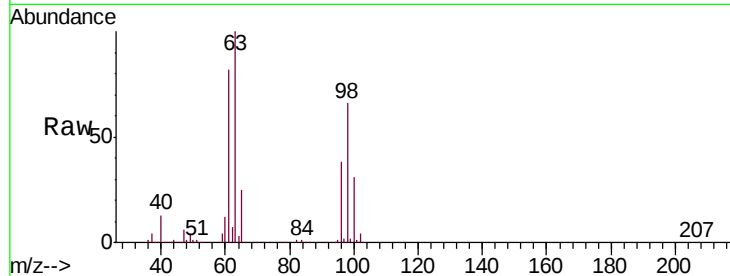
Tgt Ion:101 Resp: 2410

Ion Ratio Lower Upper

101 100

85 2.9 34.8 52.2#

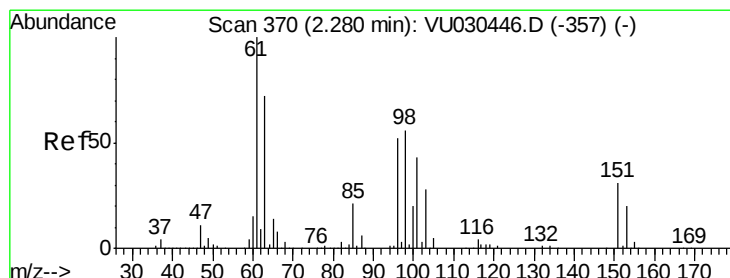
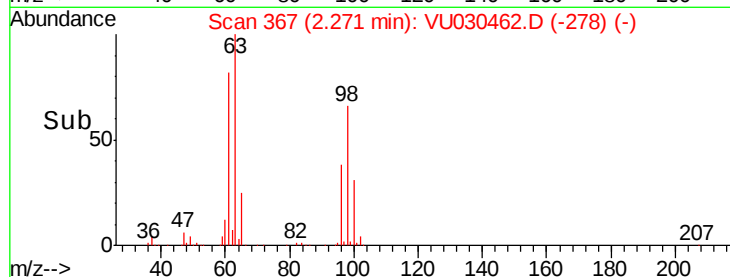
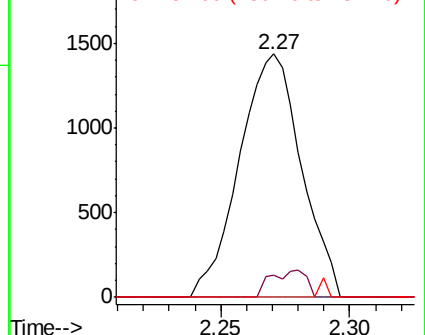
151 0.0 56.6 85.0#



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: 41.899 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU030462.D

Acq: 26 Mar 2019 22:38

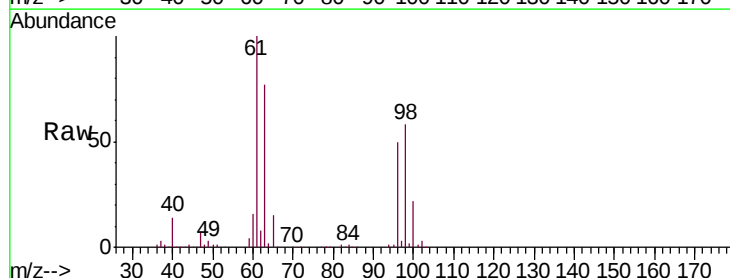
Tgt Ion: 96 Resp: 134562

Ion Ratio Lower Upper

96 100

61 199.9 131.0 243.4

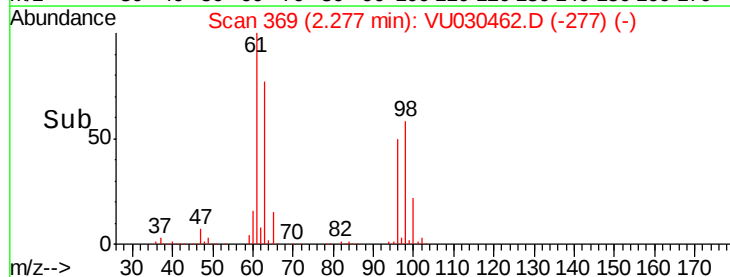
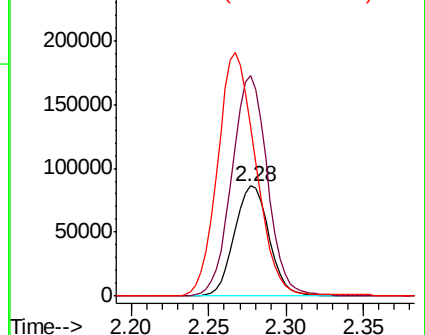
63 153.3 92.4 171.6

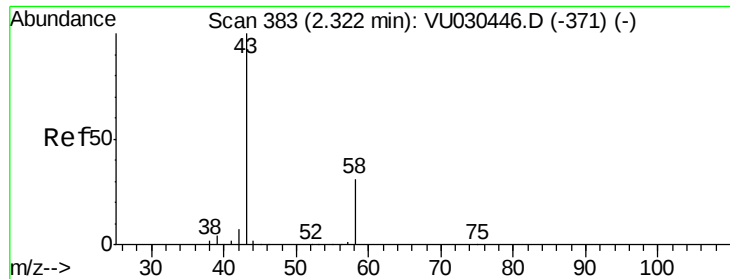


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.660 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030462.D

Acq: 26 Mar 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

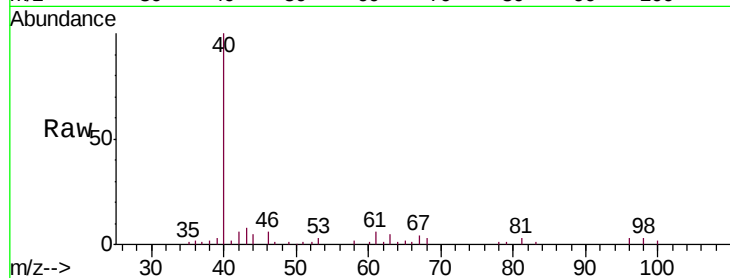
DB6R7MSD

Tgt Ion: 43 Resp: 2266

Ion Ratio Lower Upper

43 100

58 34.3 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) (-)

2.32

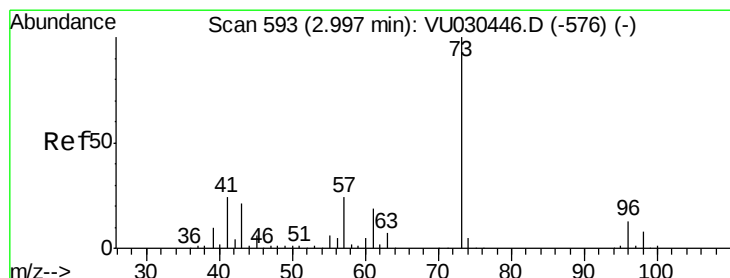
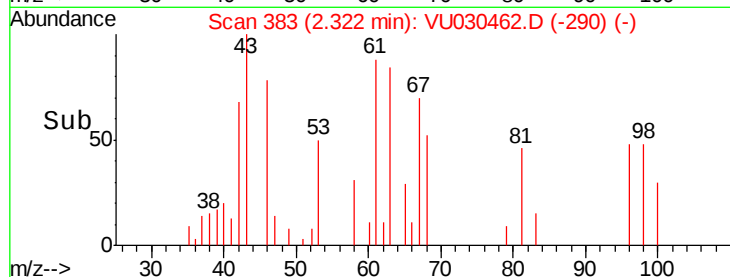
1500

1000

500

2.28 2.30 2.32 2.34 2.36

Time-->



#18

Methyl tert-butyl Ether

Concen: 0.468 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU030462.D

Acq: 26 Mar 2019 22:38

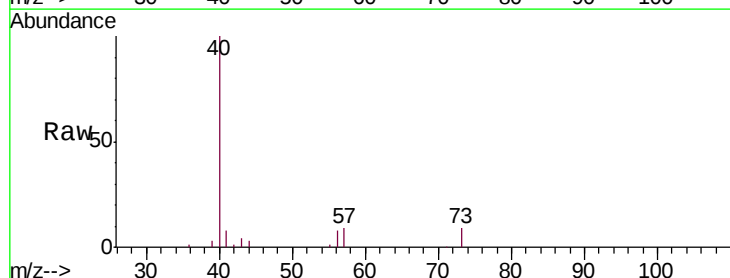
Tgt Ion: 73 Resp: 5218

Ion Ratio Lower Upper

73 100

43 41.5 16.6 24.8#

57 109.1 18.9 28.3#



Abundance Ion 73.00 (72.70 to 73.70): VU030446.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU030446.D (-576) (-)

Ion 57.00 (56.70 to 57.70): VU030446.D (-576) (-)

3.00

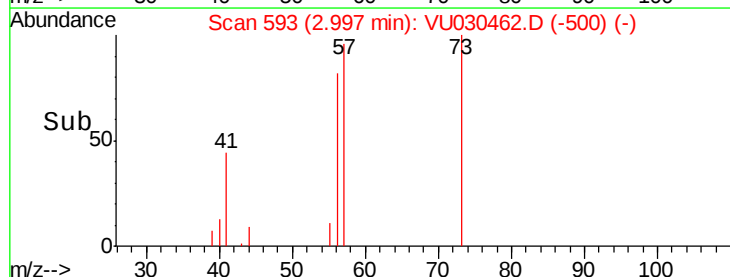
3000

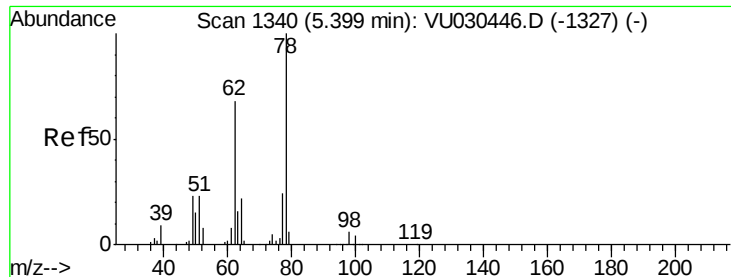
2000

1000

2.95 3.00 3.05

Time-->





#27

1,2-Dichloroethane

Concen: 3.634 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VU030462.D

Acq: 26 Mar 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

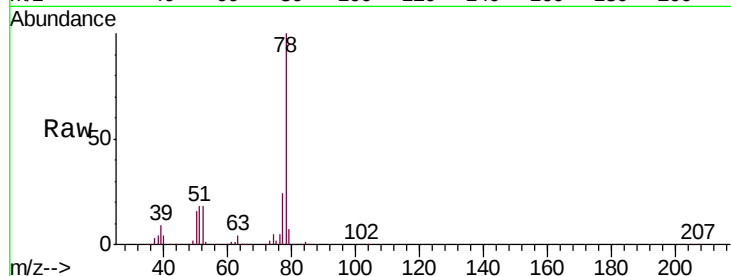
DB6R7MSD

Tgt Ion: 62 Resp: 18741

Ion Ratio Lower Upper

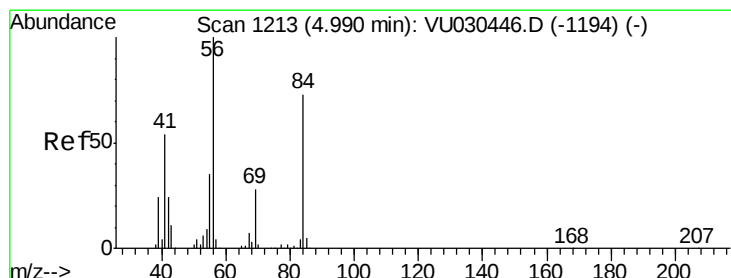
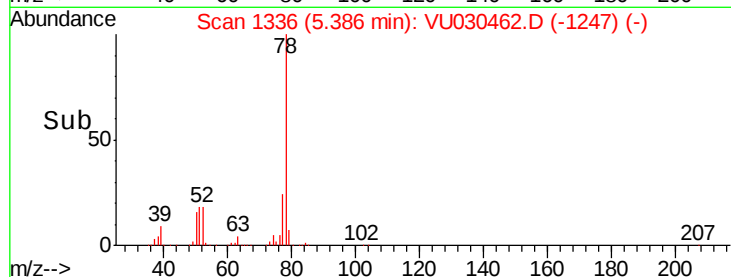
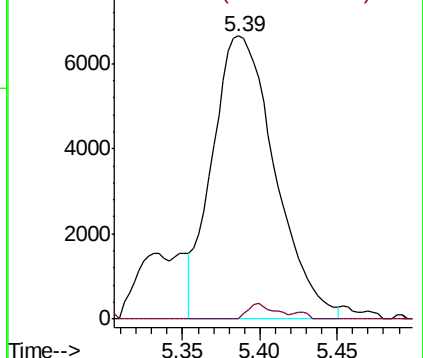
62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU030446.D (-1327) (-)

Ion 98.00 (97.70 to 98.70): VU030446.D (-1327) (-)



#29

Cyclohexane

Concen: 2.609 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU030462.D

Acq: 26 Mar 2019 22:38

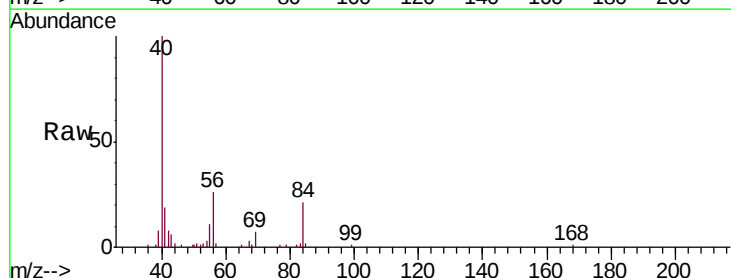
Tgt Ion: 56 Resp: 17087

Ion Ratio Lower Upper

56 100

69 28.7 22.9 34.3

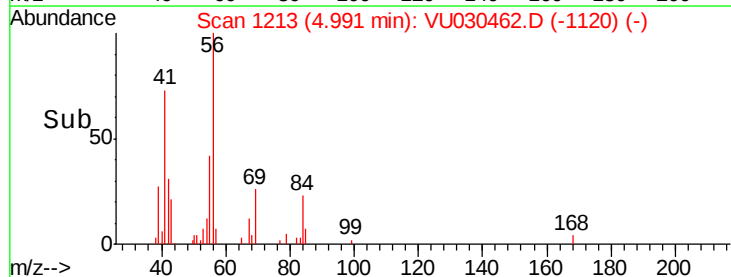
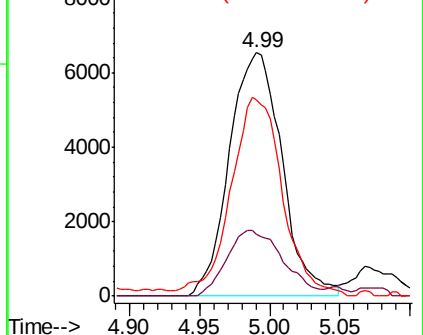
84 80.4 58.9 88.3

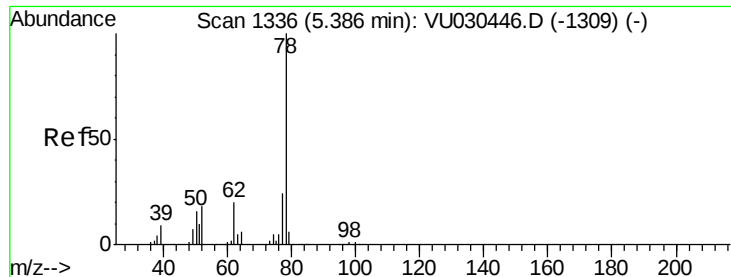


Abundance Ion 56.00 (55.70 to 56.70): VU030446.D (-1194) (-)

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

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

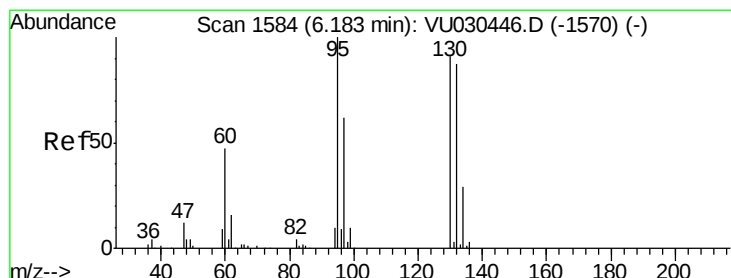
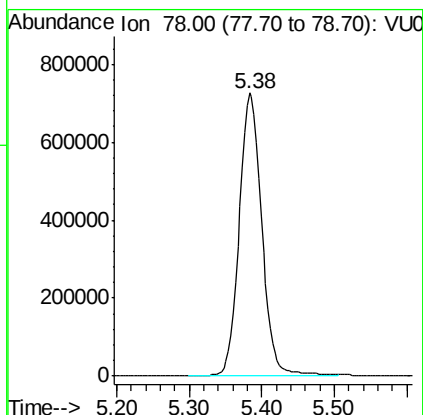
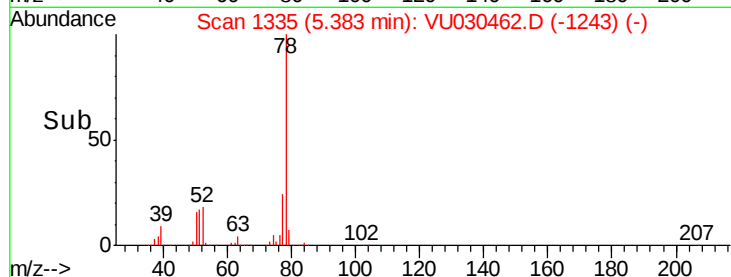
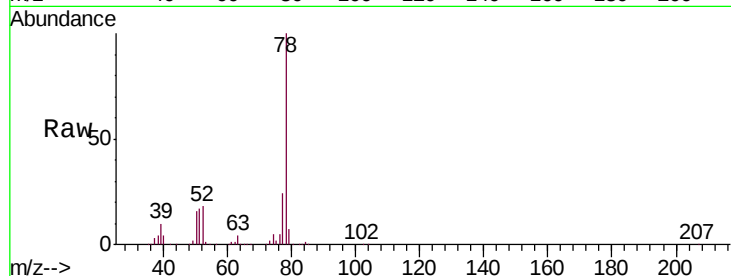




#33
Benzene
Concen: 107.253 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

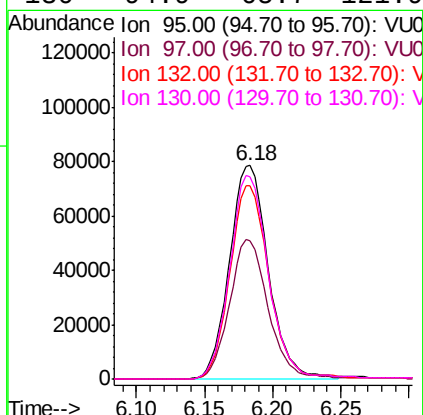
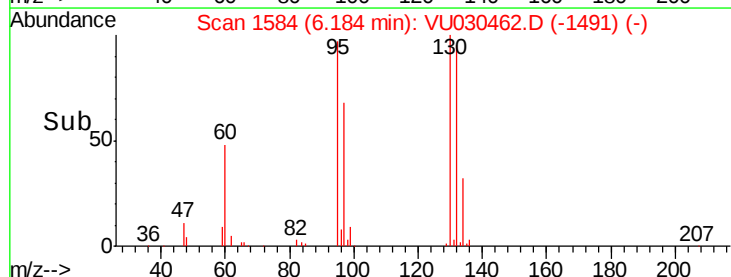
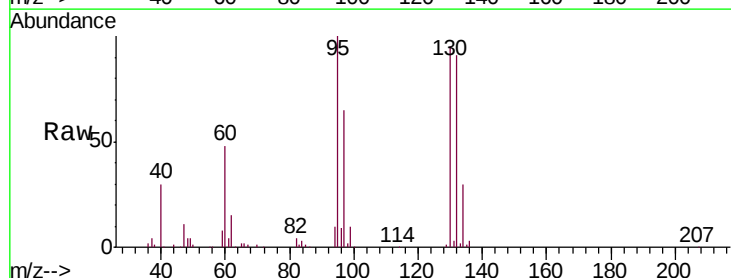
Tgt Ion: 78 Resp: 1580245

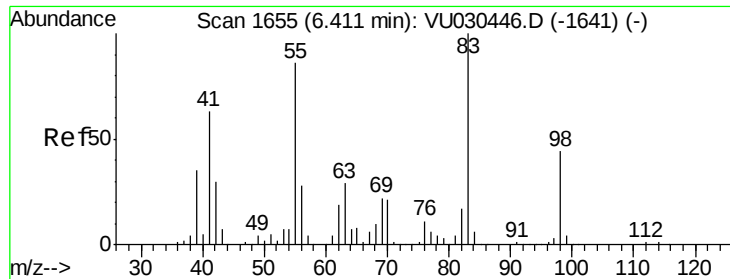


#34
Trichloroethene
Concen: 43.158 ug/L
RT: 6.18 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Tgt Ion: 95 Resp: 156320

Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.7	84.9
132	90.5	63.8	118.4
130	94.9	65.7	121.9

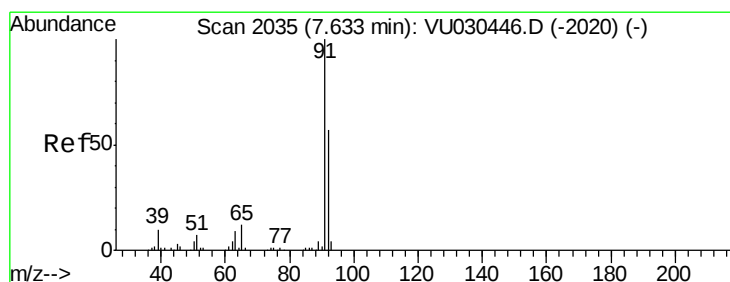
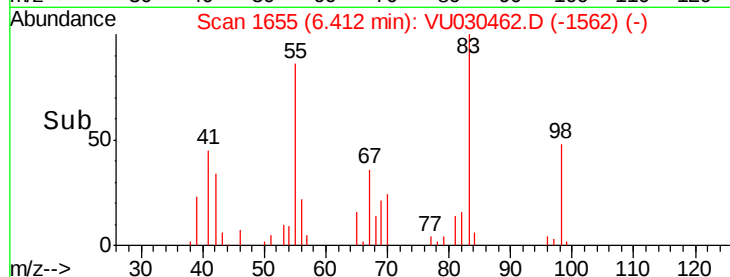
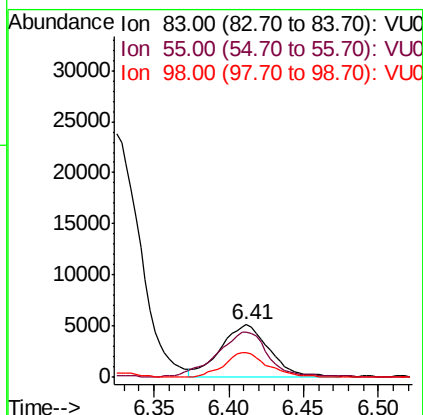
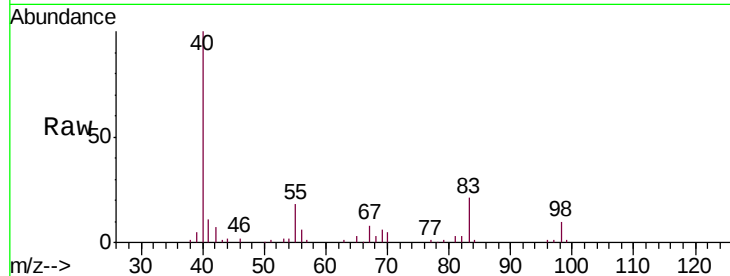




#35
Methylcyclohexane
Concen: 1.977 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

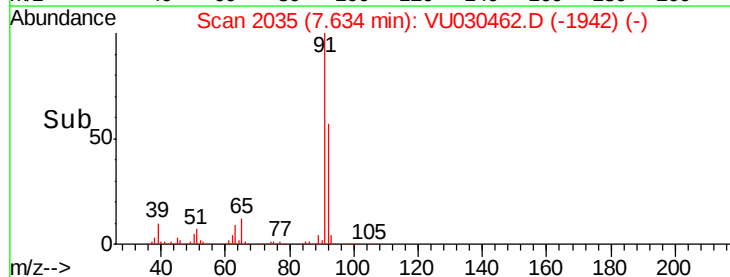
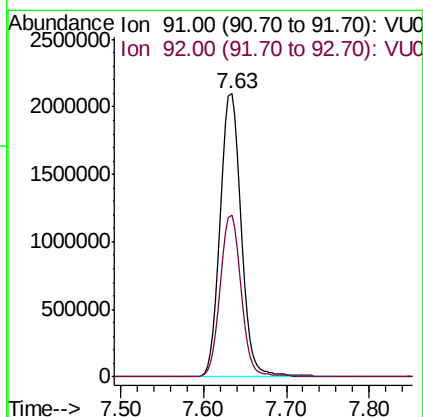
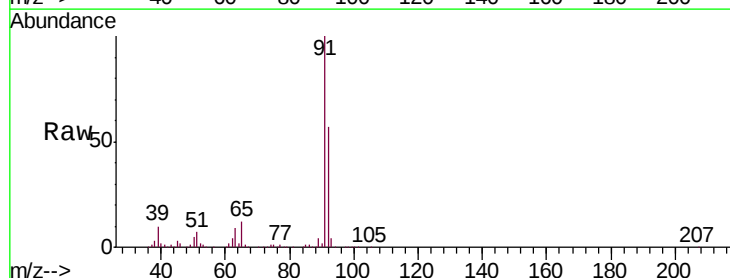
Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

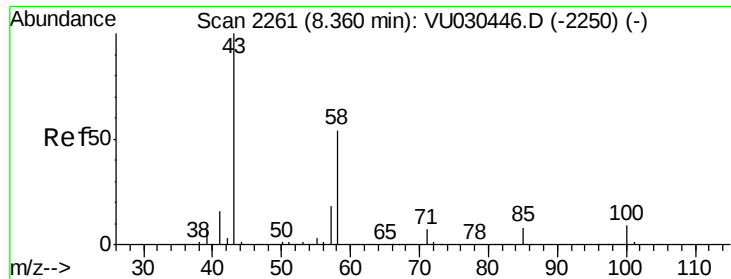
Tgt Ion: 83 Resp: 11784
Ion Ratio Lower Upper
83 100
55 87.9 71.4 107.0
98 41.2 36.0 54.0



#42
Toluene
Concen: 241.449 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Tgt Ion: 91 Resp: 3692064
Ion Ratio Lower Upper
91 100
92 57.1 39.7 73.7

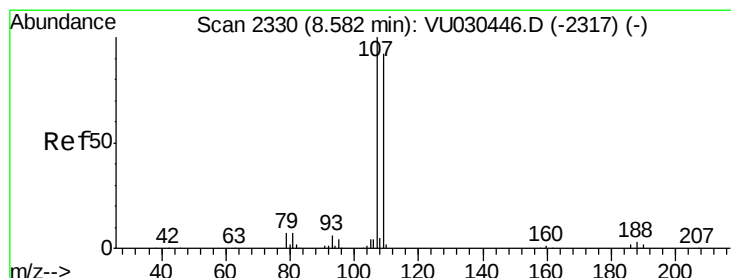
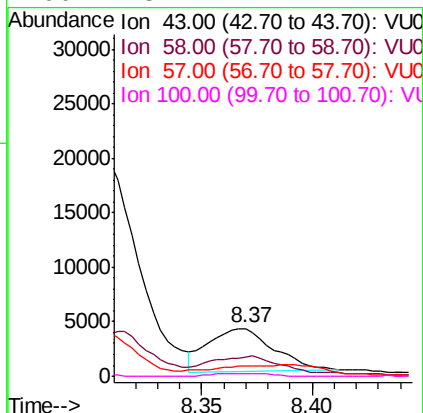
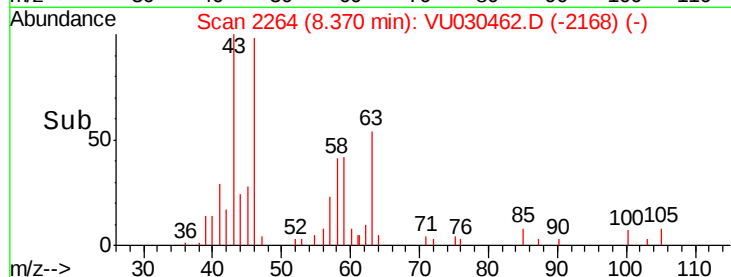
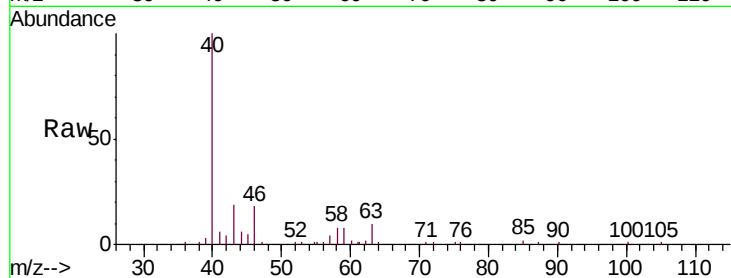




#48
2-Hexanone
Concen: 1.394 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

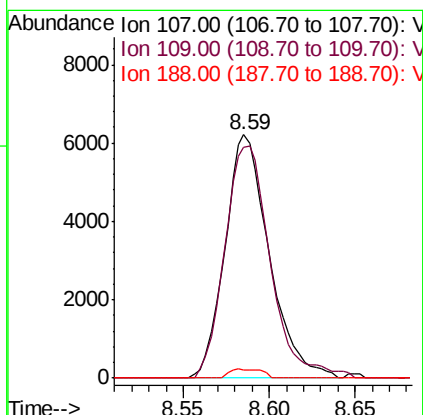
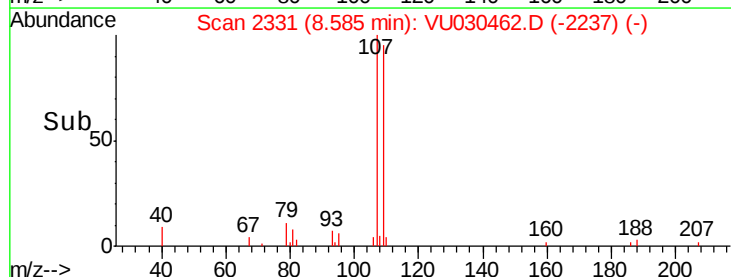
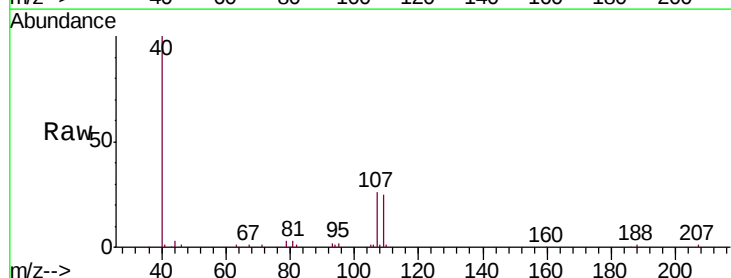
Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

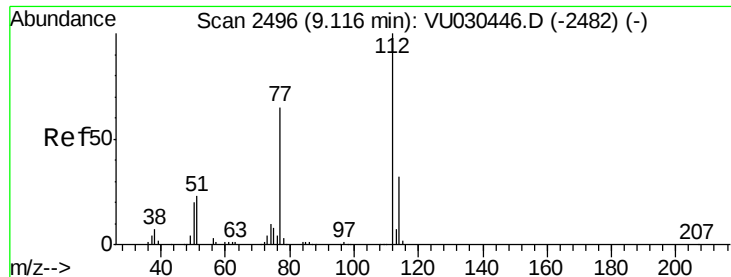
Tgt Ion: 43 Resp: 8022
Ion Ratio Lower Upper
43 100
58 40.9 42.5 63.7#
57 4.4 15.0 22.6#
100 3.7 7.4 11.2#



#50
1,2-Dibromoethane
Concen: 2.941 ug/L
RT: 8.59 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Tgt Ion: 107 Resp: 11150
Ion Ratio Lower Upper
107 100
109 95.0 65.8 122.2
188 3.5 2.6 4.0

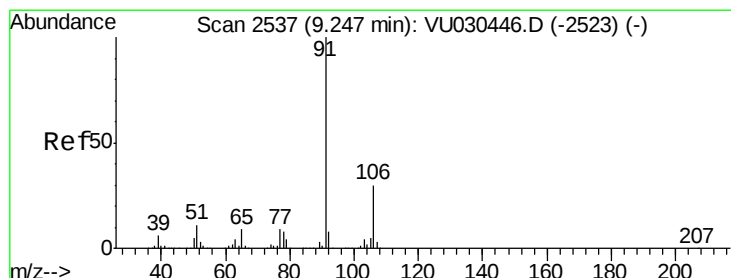
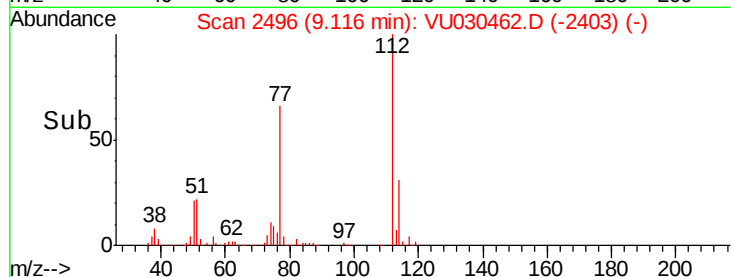
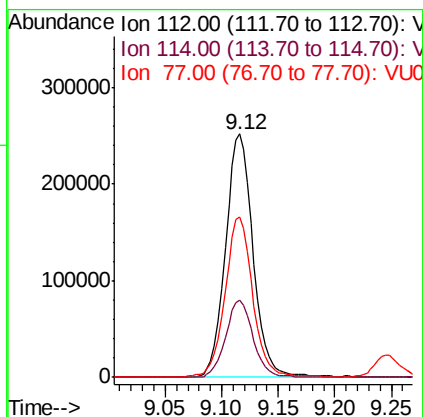
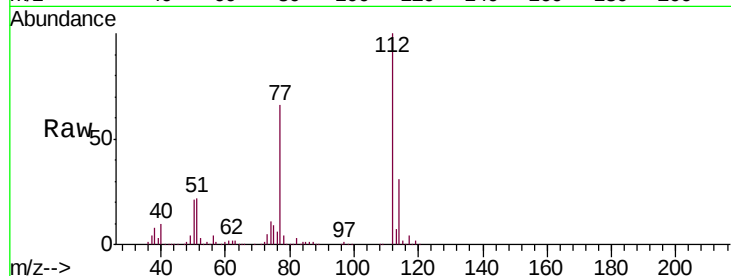




#51
Chlorobenzene
Concen: 46.096 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

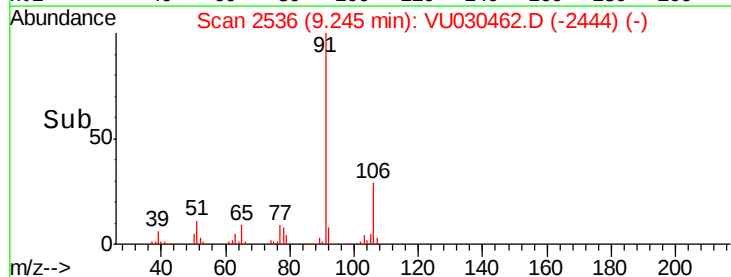
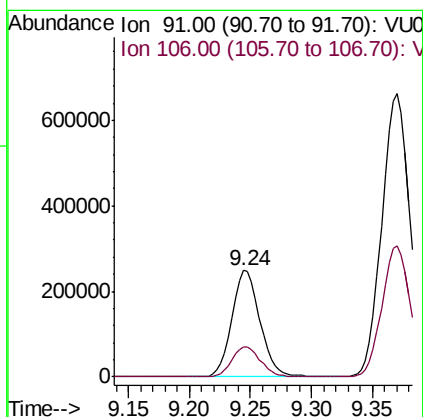
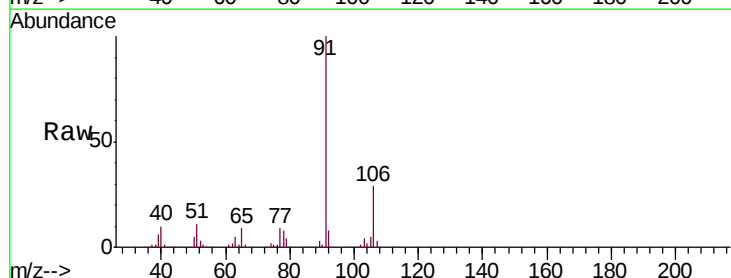
Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

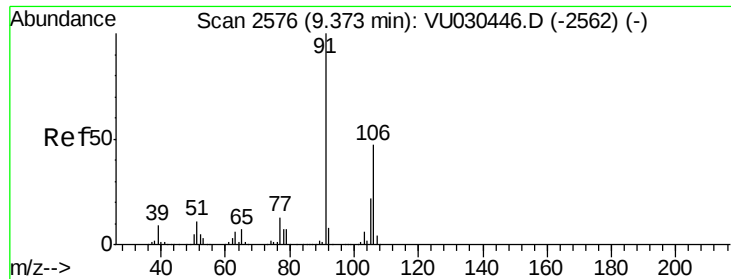
Tgt Ion: 112 Resp: 427193
Ion Ratio Lower Upper
112 100
114 31.5 21.5 39.9
77 66.0 51.4 77.0



#52
Ethylbenzene
Concen: 24.300 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Tgt Ion: 91 Resp: 402520
Ion Ratio Lower Upper
91 100
106 28.6 20.6 38.2





#53

m,p-Xylene

Concen: 84.920 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030462.D

Acq: 26 Mar 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

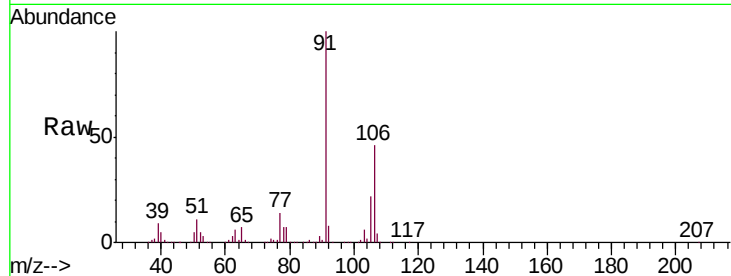
DB6R7MSD

Tgt Ion:106 Resp: 507912

Ion Ratio Lower Upper

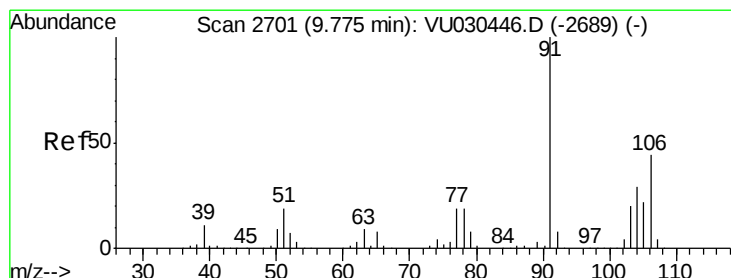
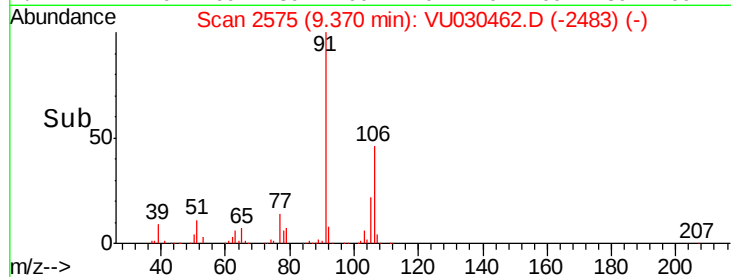
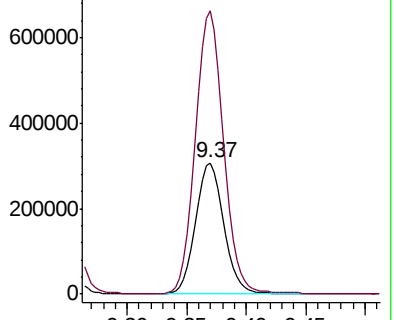
106 100

91 215.3 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 41.247 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030462.D

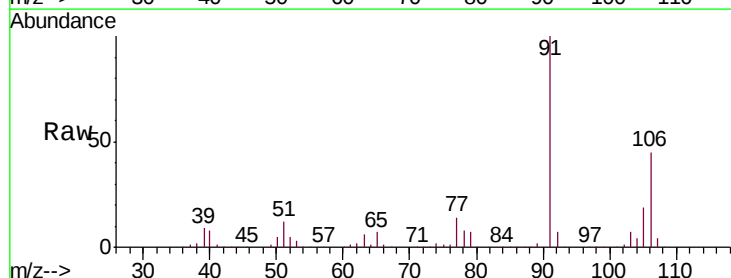
Acq: 26 Mar 2019 22:38

Tgt Ion:106 Resp: 240712

Ion Ratio Lower Upper

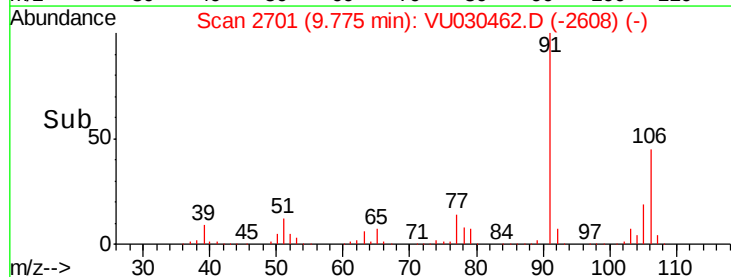
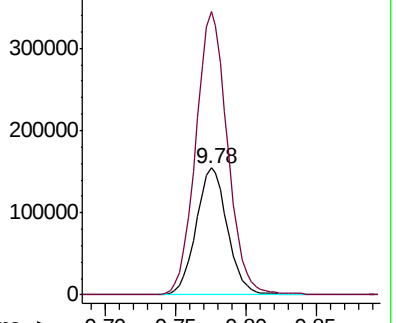
106 100

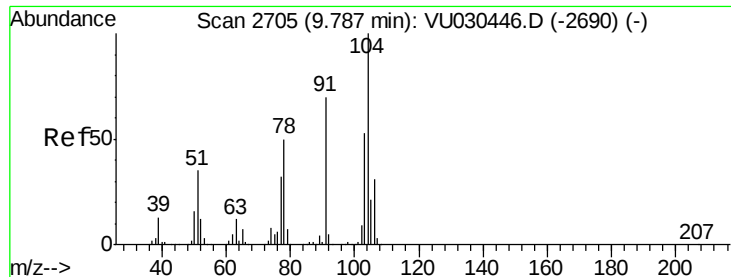
91 222.9 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

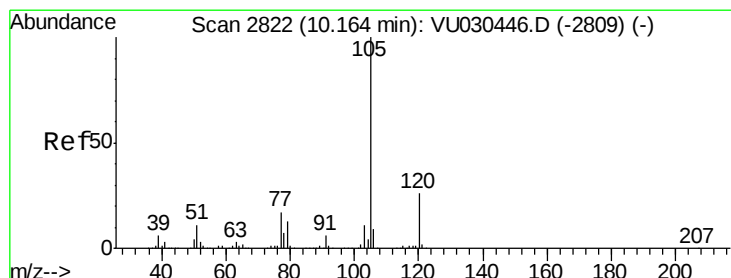
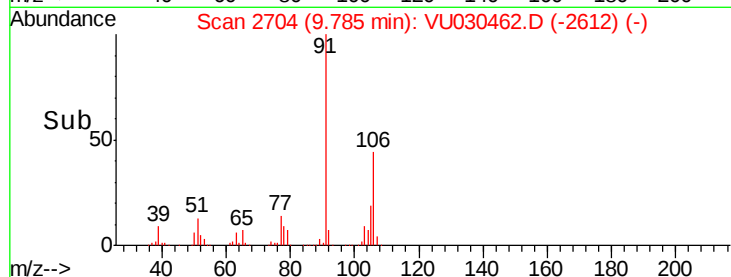
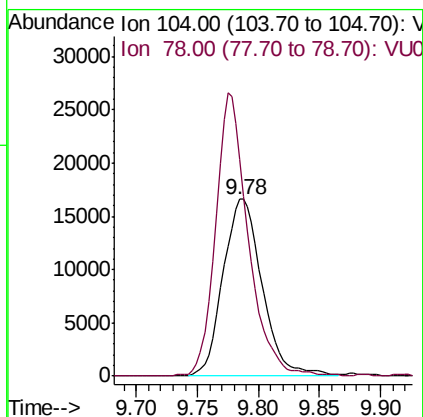
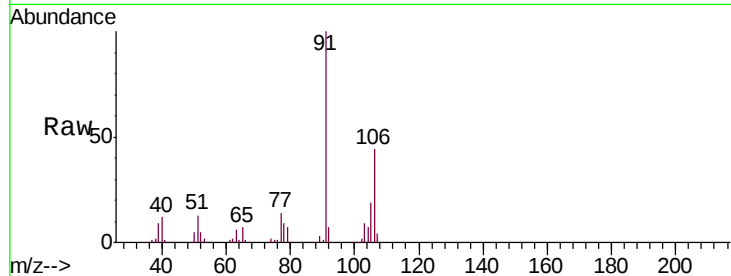




#55
Styrene
Concen: 3.701 ug/L
RT: 9.78 min Scan# 2704
Delta R.T. -0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

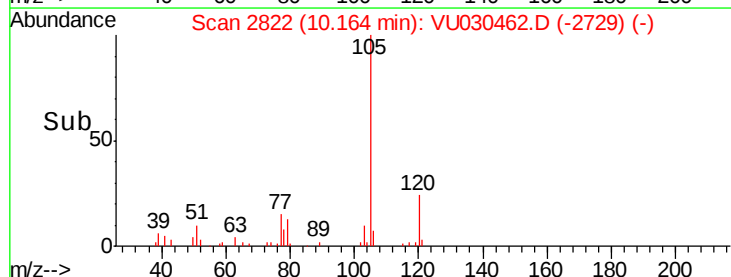
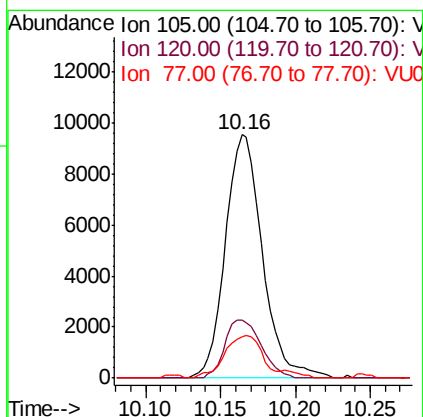
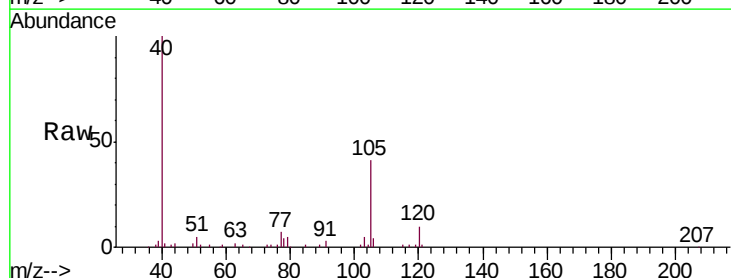
Instrument :
MSVOA_U
ClientSampleId :
DB6R7MSD

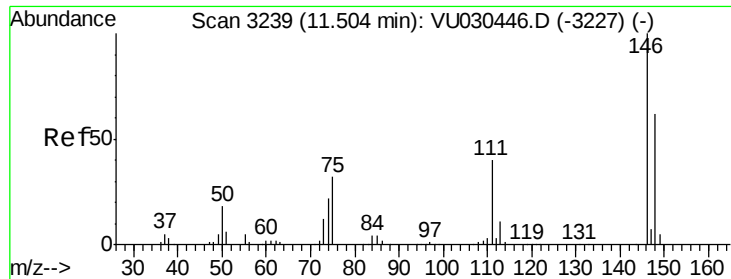
Tgt Ion:104 Resp: 37205
Ion Ratio Lower Upper
104 100
78 122.4 35.1 65.3#



#56
Isopropylbenzene
Concen: 1.067 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU030462.D
Acq: 26 Mar 2019 22:38

Tgt Ion:105 Resp: 16481
Ion Ratio Lower Upper
105 100
120 23.4 20.2 30.2
77 17.3 13.2 19.8





#63

1,4-Dichlorobenzene

Concen: 0.598 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030462.D

Acq: 26 Mar 2019 22:38

Instrument :

MSVOA_U

ClientSampleId :

DB6R7MSD

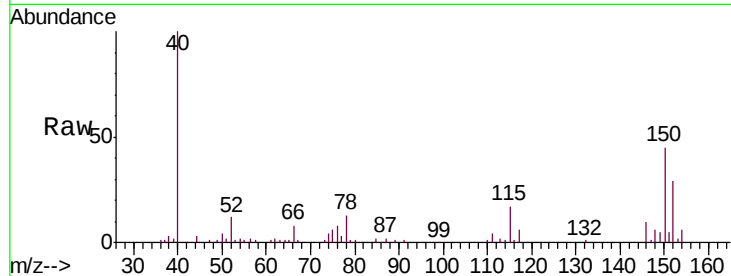
Tgt Ion:146 Resp: 3875

Ion Ratio Lower Upper

146 100

111 36.5 28.7 53.3

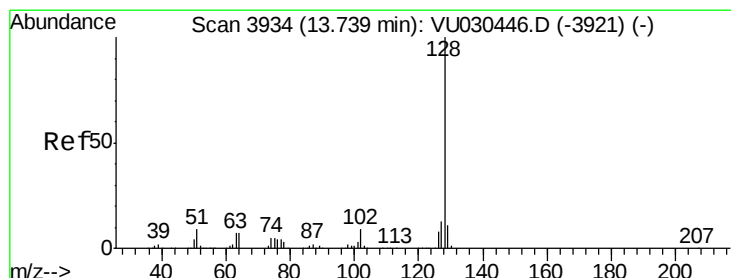
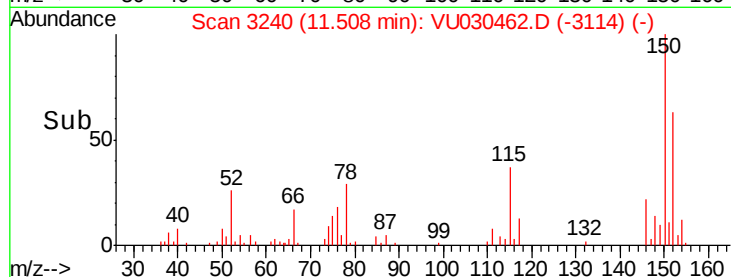
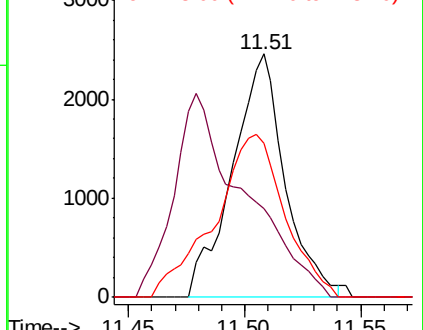
148 63.3 44.3 82.3



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: 7.467 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030462.D

Acq: 26 Mar 2019 22:38

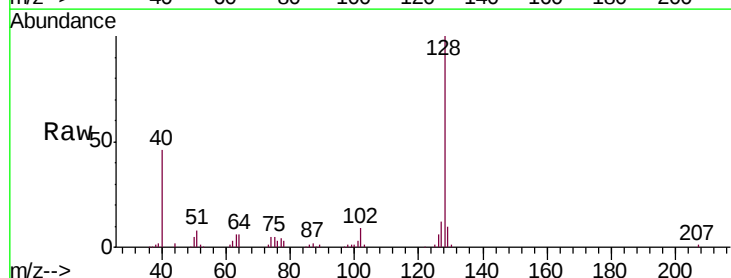
Tgt Ion:128 Resp: 108715

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

129 10.0 8.4 12.6



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

