

Data File : VU030460.D
Acq On : 26 Mar 2019 21:51
Operator : JC/SP
Sample : K2063-05 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Quant Time: Mar 27 06:06:07 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	450923	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	427987	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	188410	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	179539	49.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.94%
7) Chloroethane-d5	1.67	69	145457	50.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.14%
11) 1,1-Dichloroethene-d2	2.27	63	249802	36.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.58%
21) 2-Butanone-d5	4.17	46	352109	103.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.22%
24) Chloroform-d	4.64	84	303281	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
26) 1,2-Dichloroethane-d4	5.31	65	209793	51.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.56%
32) Benzene-d6	5.34	84	623651	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.62%
36) 1,2-Dichloropropane-d6	6.32	67	220488	52.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.02%
41) Toluene-d8	7.56	98	540436	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%
43) trans-1,3-Dichloropropene-	7.85	79	93449	47.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.66%
47) 2-Hexanone-d5	8.31	63	227636	100.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	298921	49.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.50%
64) 1,2-Dichlorobenzene-d4	11.85	152	193713	51.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.62%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2270	0.690 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	1789	0.555 ug/L #	1
13) Acetone	2.32	43	2233	0.647 ug/L	100
18) Methyl tert-butyl Ether	3.00	73	5176	0.462 ug/L #	1
27) 1,2-Dichloroethane	5.39	62	13074	2.524 ug/L #	75
29) Cyclohexane	4.99	56	17738	2.739 ug/L	99
33) Benzene	5.39	78	905289	62.138 ug/L	100
35) Methylcyclohexane	6.41	83	11084	1.881 ug/L	95
39) cis-1,3-Dichloropropene	7.22	75	4720	0.794 ug/L #	61
42) Toluene	7.63	91	3016198	199.481 ug/L	99
48) 2-Hexanone	8.36	43	10206	1.793 ug/L #	58
50) 1,2-Dibromoethane	8.58	107	11801	3.148 ug/L	93
51) Chlorobenzene	9.12	112	6158	0.672 ug/L	90
52) Ethylbenzene	9.25	91	400630	24.459 ug/L	99
53) m,p-Xylene	9.37	106	507725	85.849 ug/L	100
54) o-xylene	9.77	106	241651	41.876 ug/L	98
55) Styrene	9.78	104	36667	3.689 ug/L #	1

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

Data File : VU030460.D
Acq On : 26 Mar 2019 21:51
Operator : JC/SP
Sample : K2063-05 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Quant Time: Mar 27 06:06:07 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

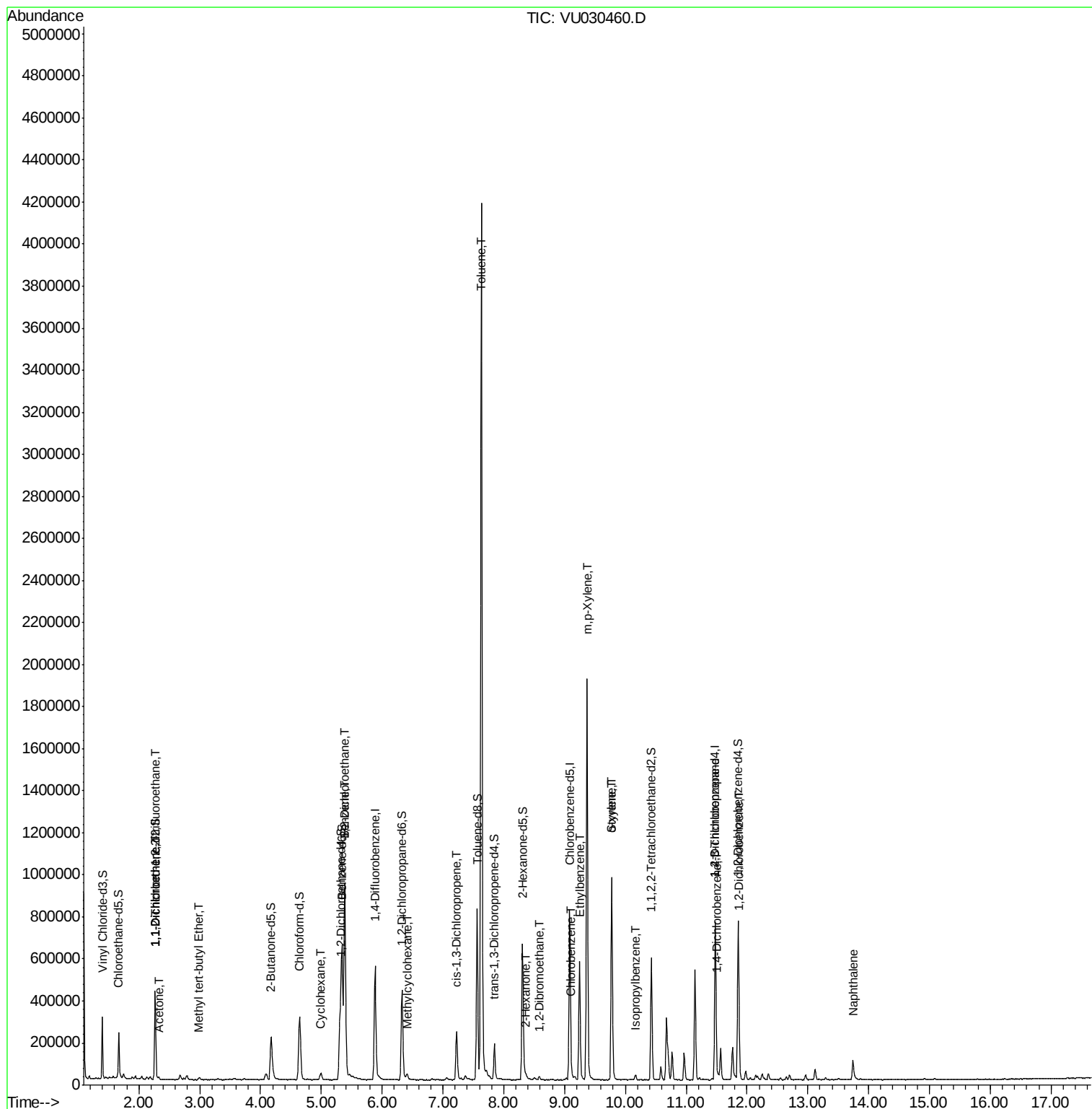
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Isopropylbenzene	10.16	105	16610	1.087	ug/L	94
59) 1,2,3-Trichloropropane	11.48	75	26556	5.277	ug/L	95
63) 1,4-Dichlorobenzene	11.50	146	4613	0.727	ug/L	86
65) 1,2-Dichlorobenzene	11.87	146	4456	0.715	ug/L #	73
69) Naphthalene	13.74	128	99758	7.000	ug/L	98

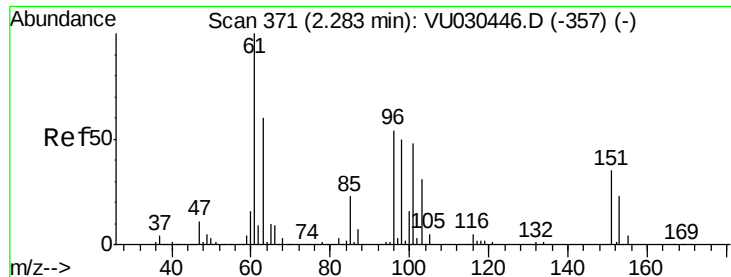
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU030460.D
Acq On : 26 Mar 2019 21:51
Operator : JC/SP
Sample : K2063-05 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Quant Time: Mar 27 06:06:07 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: 0.690 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

Instrument :

MSVOA_U

ClientSampleId :

DB6R7

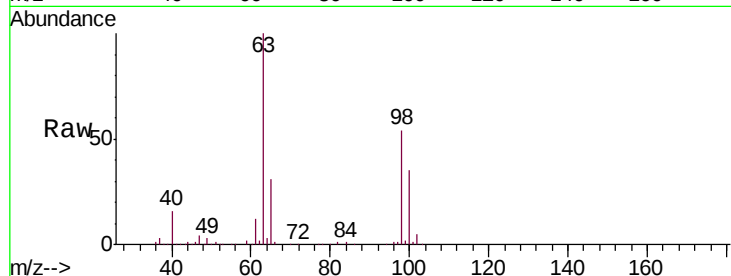
Tgt Ion: 101 Resp: 2270

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

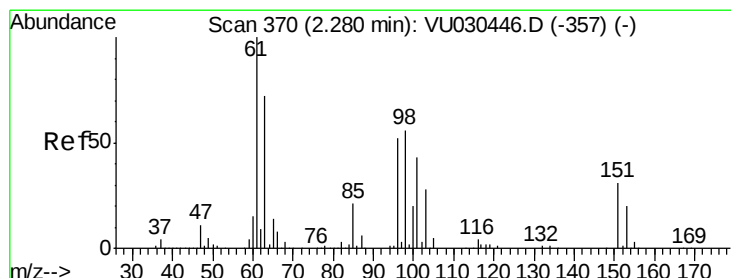
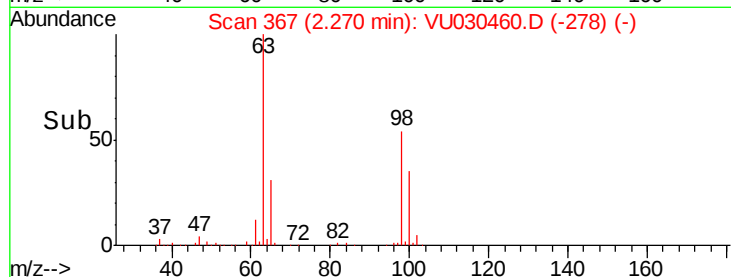
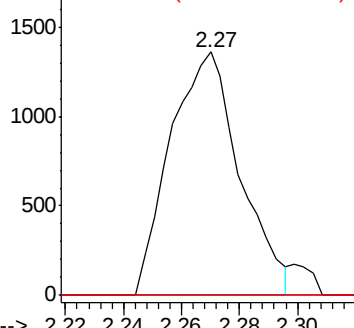
151 0.0 56.6 85.0#



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: 0.555 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

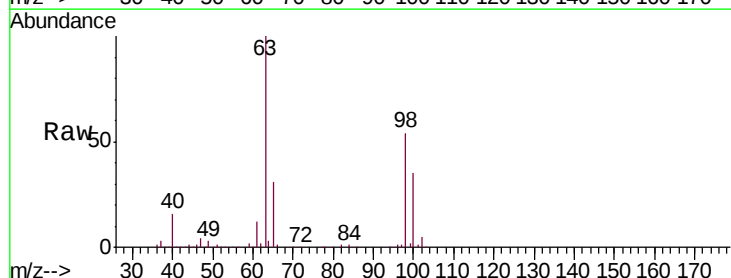
Tgt Ion: 96 Resp: 1789

Ion Ratio Lower Upper

96 100

61 1576.3 131.0 243.4#

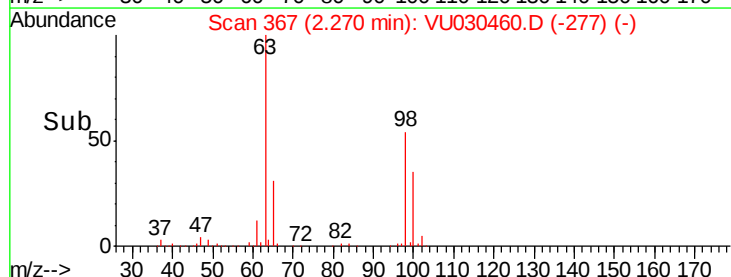
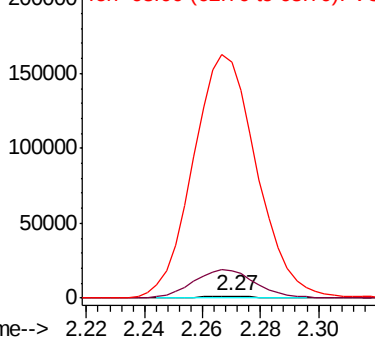
63 13347.3 92.4 171.6#

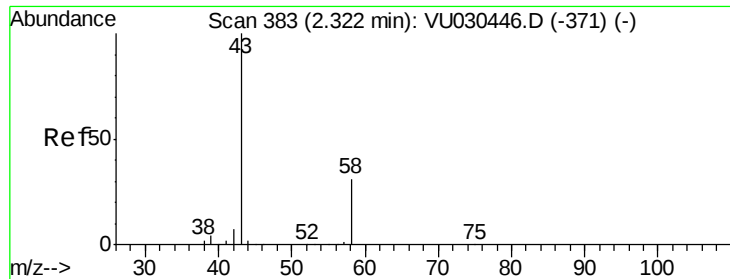


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.647 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

Instrument :

MSVOA_U

ClientSampleId :

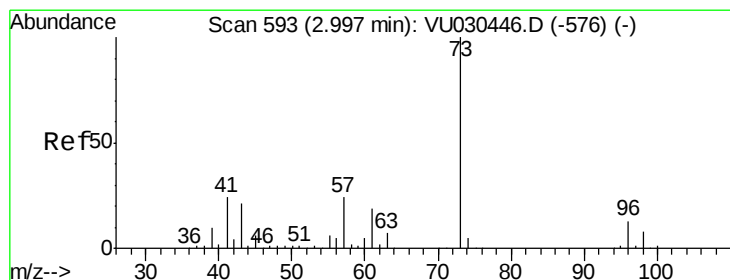
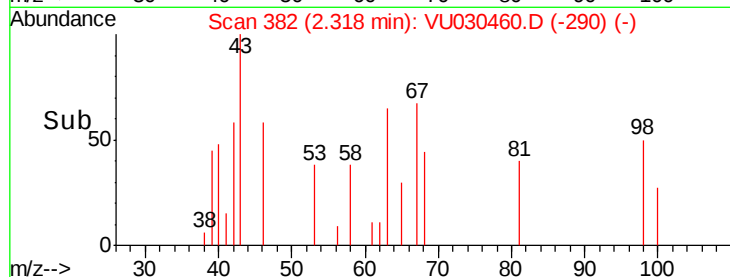
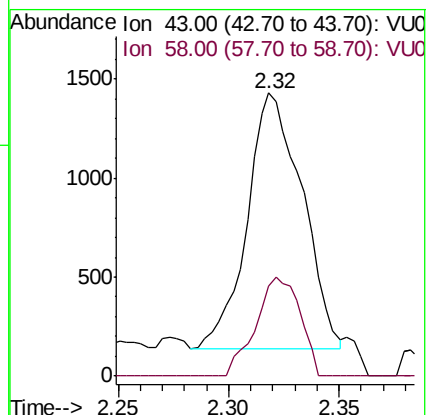
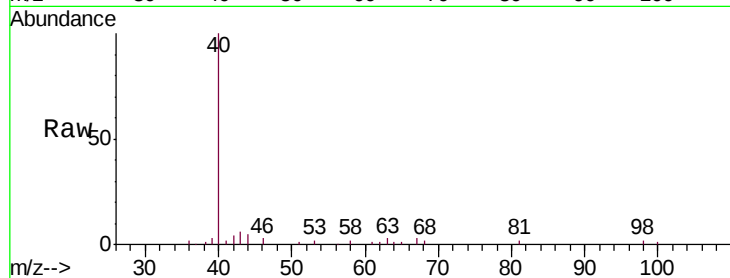
DB6R7

Tgt Ion: 43 Resp: 2233

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.8



#18

Methyl tert-butyl Ether

Concen: 0.462 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

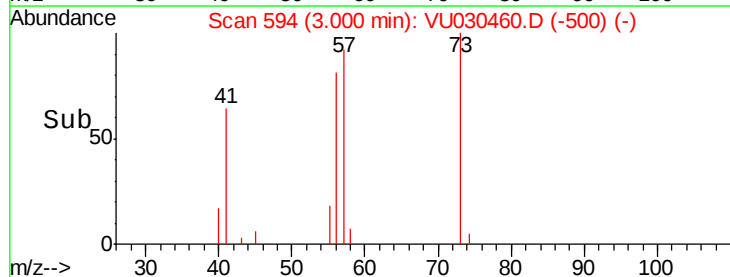
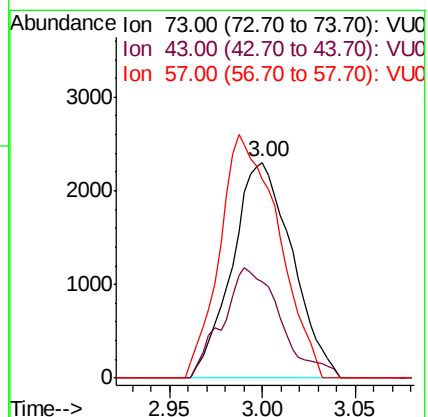
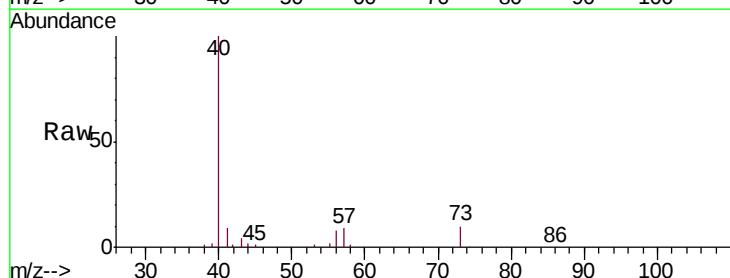
Tgt Ion: 73 Resp: 5176

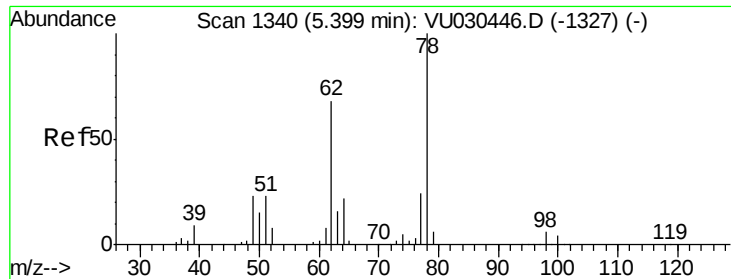
Ion Ratio Lower Upper

73 100

43 49.5 16.6 24.8#

57 110.5 18.9 28.3#





#27

1,2-Dichloroethane

Concen: 2.524 ug/L

RT: 5.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

Instrument :

MSVOA_U

ClientSampled :

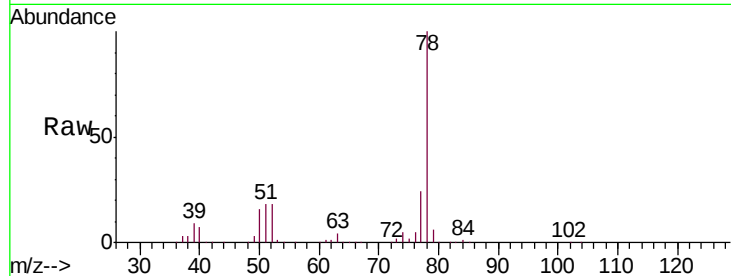
DB6R7

Tgt Ion: 62 Resp: 13074

Ion Ratio Lower Upper

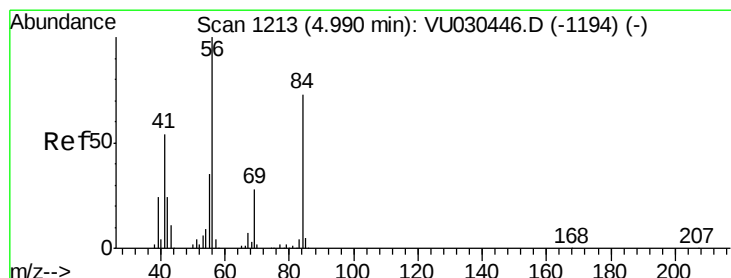
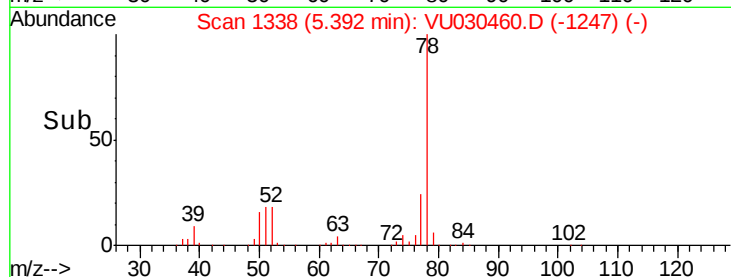
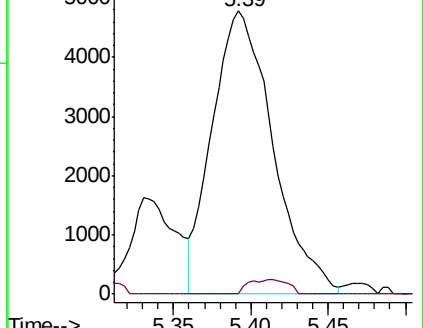
62 100

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: 2.739 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

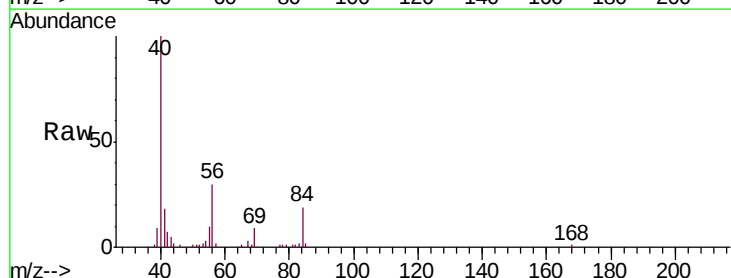
Tgt Ion: 56 Resp: 17738

Ion Ratio Lower Upper

56 100

69 27.9 22.9 34.3

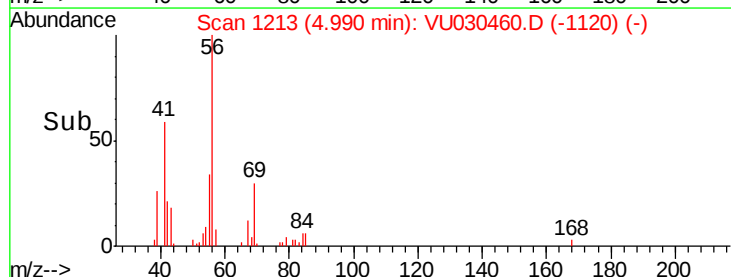
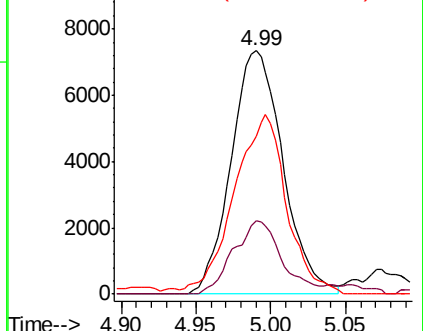
84 74.5 58.9 88.3

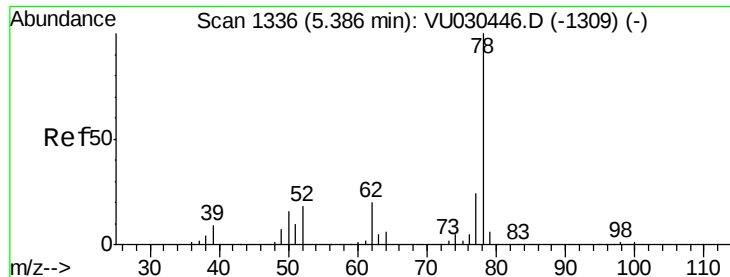


Abundance Ion 56.00 (55.70 to 56.70): VU030446.D (-1194) (-)

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: 62.138 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

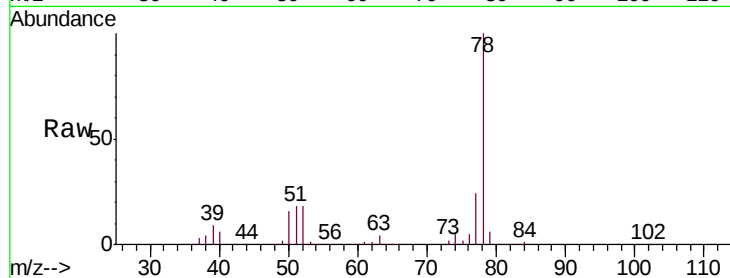
Instrument :

MSVOA_U

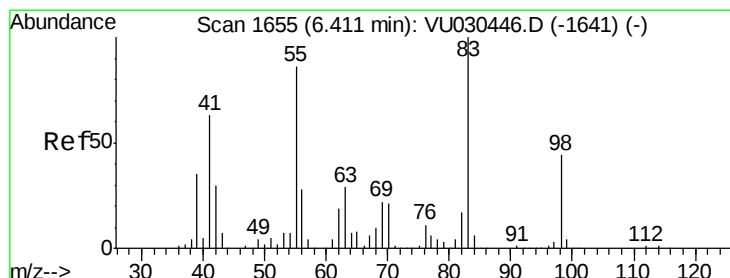
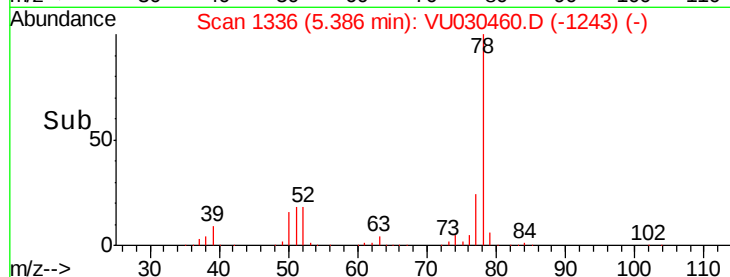
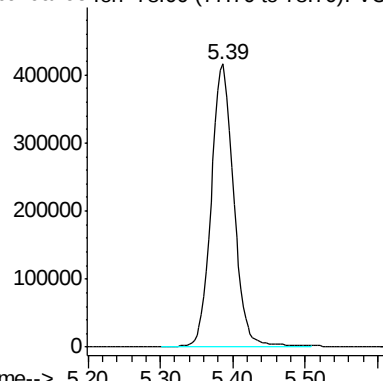
ClientSampleId :

DB6R7

Tgt Ion: 78 Resp: 905289



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 1.881 ug/L

RT: 6.41 min Scan# 1654

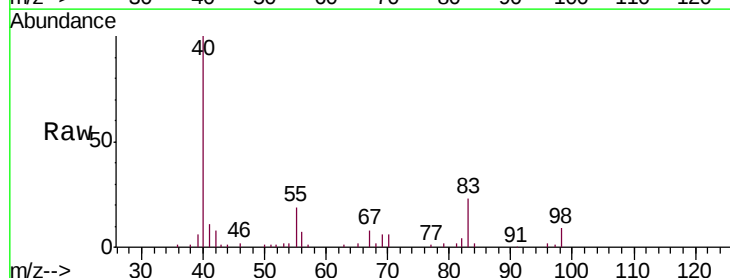
Delta R.T. -0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

Tgt Ion: 83 Resp: 11084

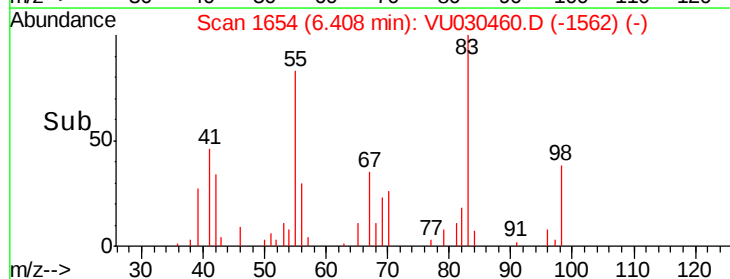
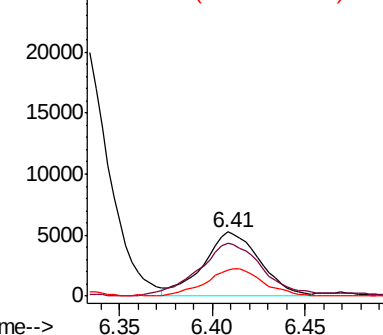
Ion	Ratio	Lower	Upper
83	100		
55	94.3	71.4	107.0
98	42.7	36.0	54.0

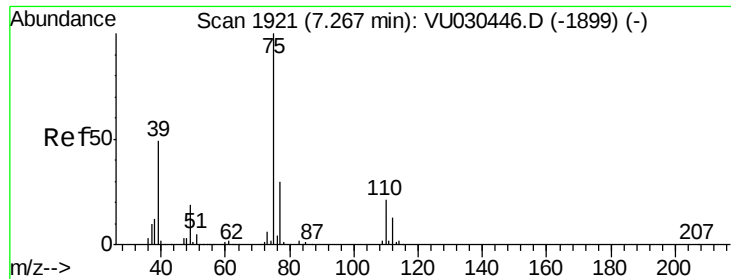


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



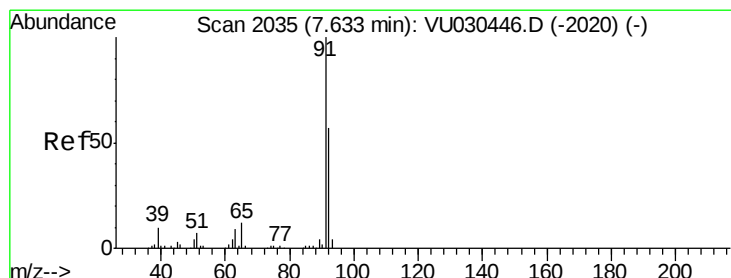
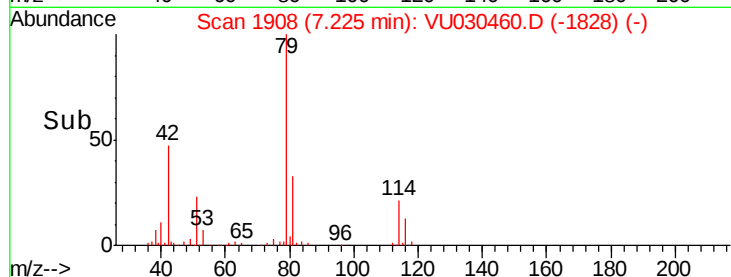
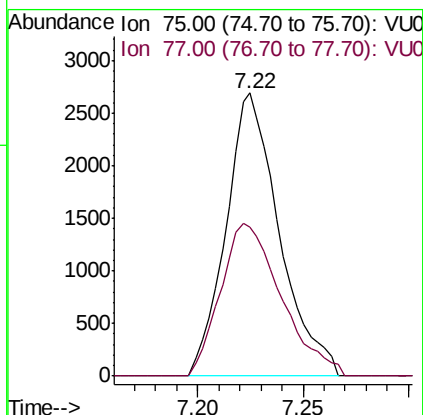
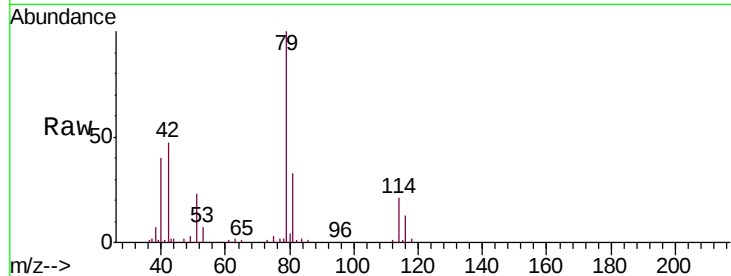


#39

cis-1,3-Dichloropropene
Concen: 0.794 ug/L
RT: 7.22 min Scan# 1908
Delta R.T. -0.04 min
Lab File: VU030460.D
Acq: 26 Mar 2019 21:51

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

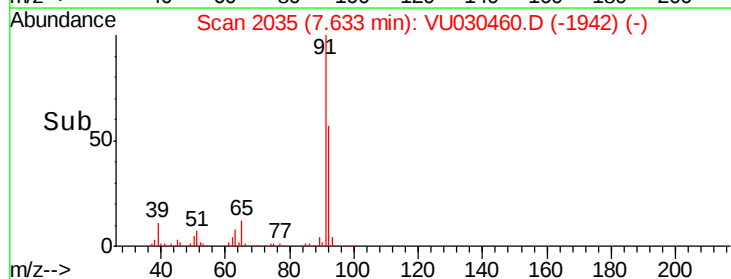
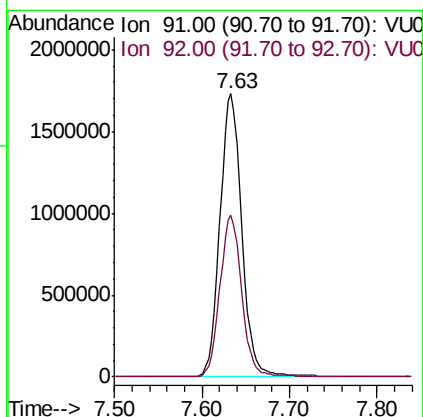
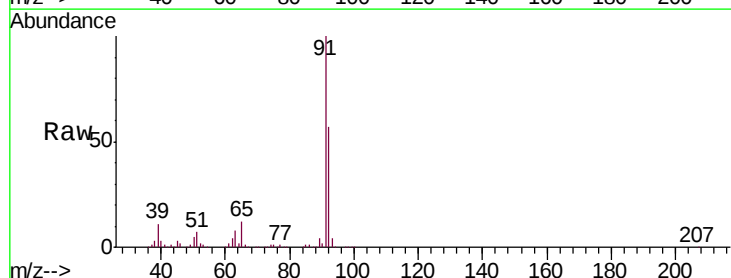
Tgt Ion: 75 Resp: 4720
Ion Ratio Lower Upper
75 100
77 52.7 21.8 40.6#

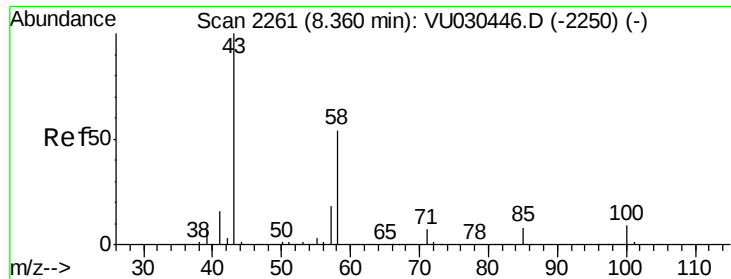


#42

Toluene
Concen: 199.481 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU030460.D
Acq: 26 Mar 2019 21:51

Tgt Ion: 91 Resp: 3016198
Ion Ratio Lower Upper
91 100
92 57.1 39.7 73.7





#48

2-Hexanone

Concen: 1.793 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

Instrument :

MSVOA_U

ClientSampleId :

DB6R7

Tgt Ion: 43 Resp: 10206

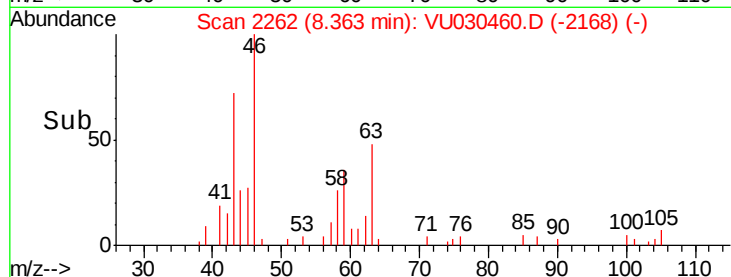
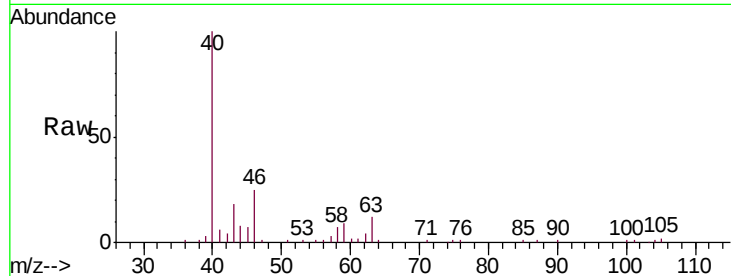
Ion Ratio Lower Upper

43 100

58 19.2 42.5 63.7#

57 2.0 15.0 22.6#

100 2.0 7.4 11.2#

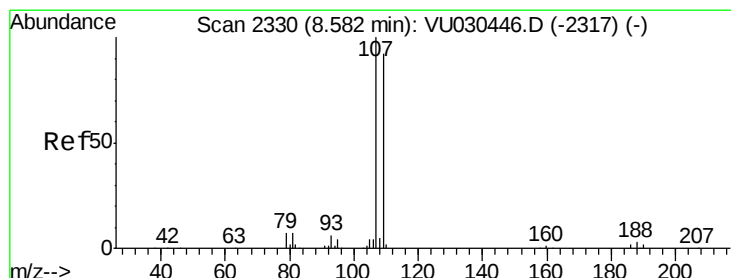
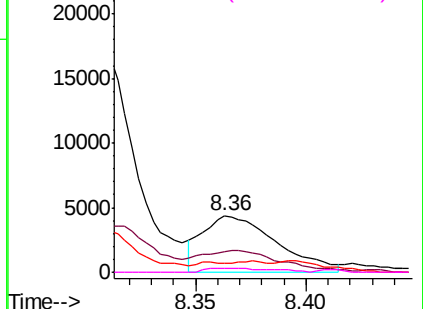


Abundance Ion 43.00 (42.70 to 43.70): VU0

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



#50

1,2-Dibromoethane

Concen: 3.148 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

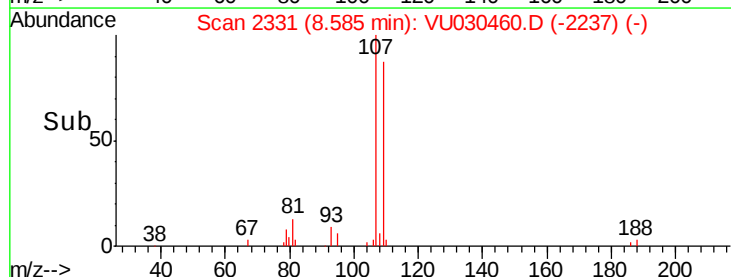
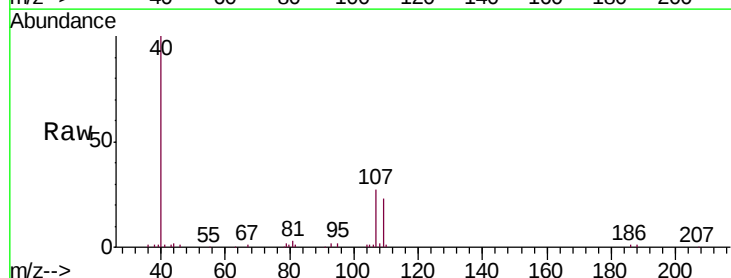
Tgt Ion: 107 Resp: 11801

Ion Ratio Lower Upper

107 100

109 87.2 65.8 122.2

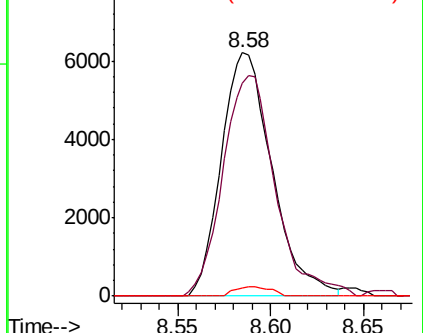
188 3.4 2.6 4.0

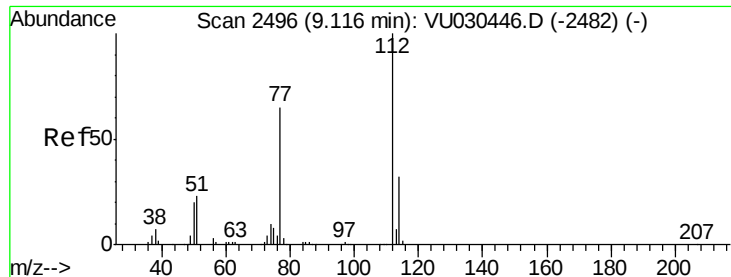


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

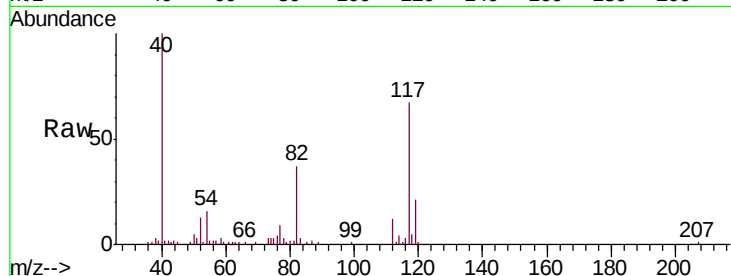




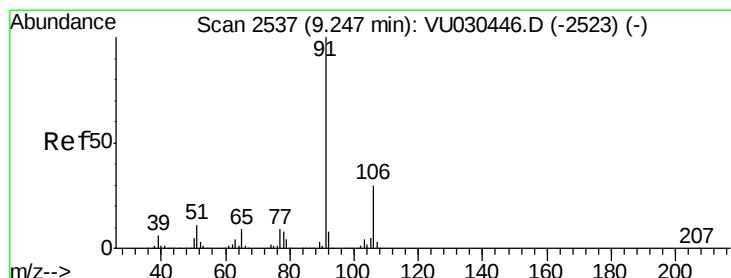
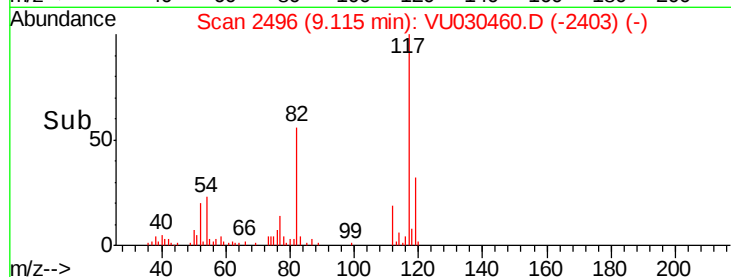
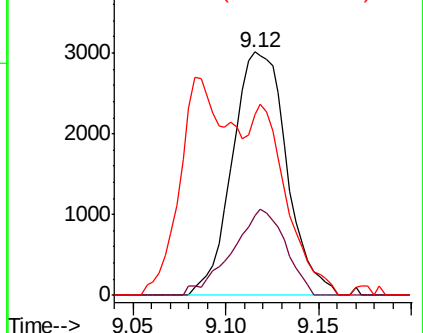
#51
Chlorobenzene
Concen: 0.672 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030460.D
Acq: 26 Mar 2019 21:51

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

Tgt Ion: 112 Resp: 6158
Ion Ratio Lower Upper
112 100
114 32.7 21.5 39.9
77 74.1 51.4 77.0

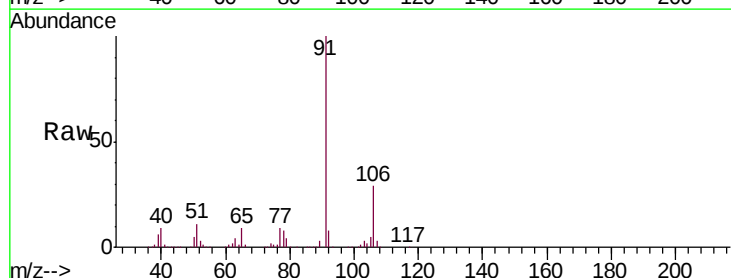


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

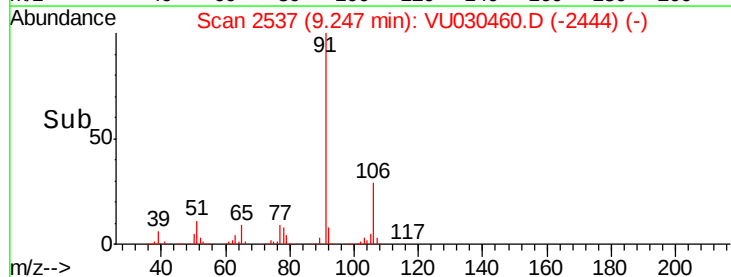
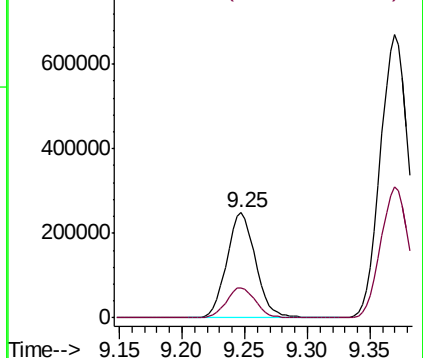


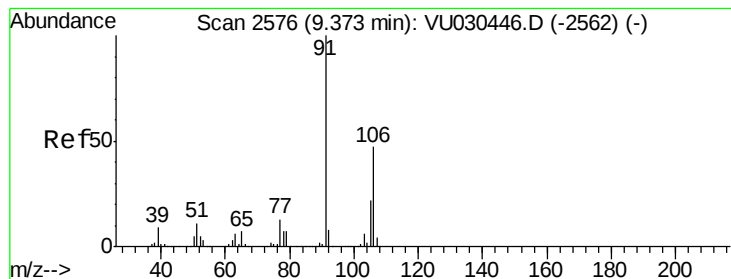
#52
Ethylbenzene
Concen: 24.459 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030460.D
Acq: 26 Mar 2019 21:51

Tgt Ion: 91 Resp: 400630
Ion Ratio Lower Upper
91 100
106 29.0 20.6 38.2



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





#53

m,p-Xylene

Concen: 85.849 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

Instrument :

MSVOA_U

ClientSampled :

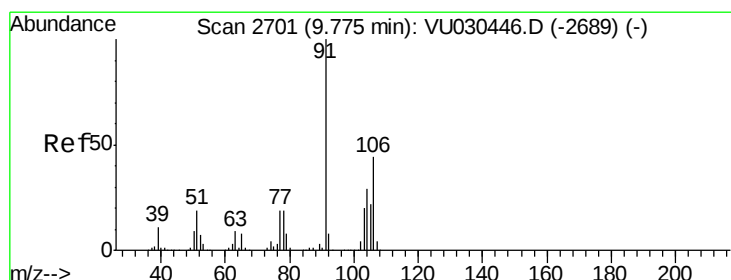
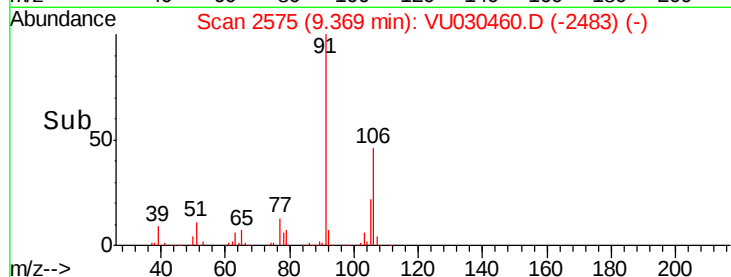
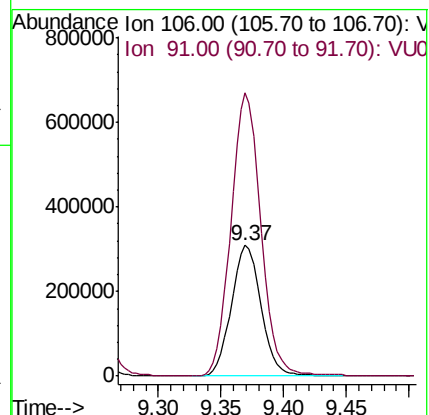
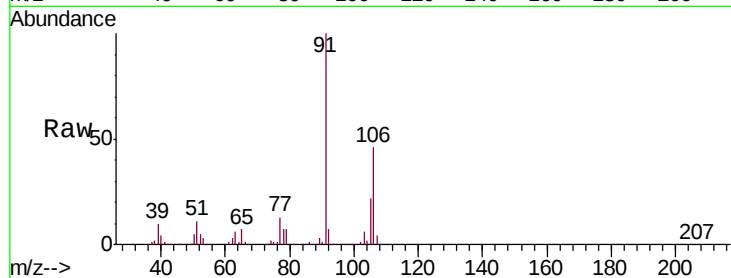
DB6R7

Tgt Ion:106 Resp: 507725

Ion Ratio Lower Upper

106 100

91 216.2 151.2 280.8



#54

o-xylene

Concen: 41.876 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030460.D

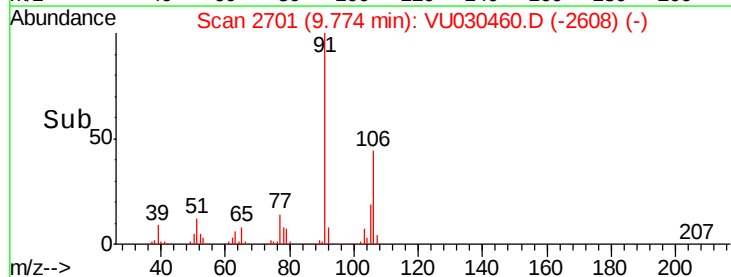
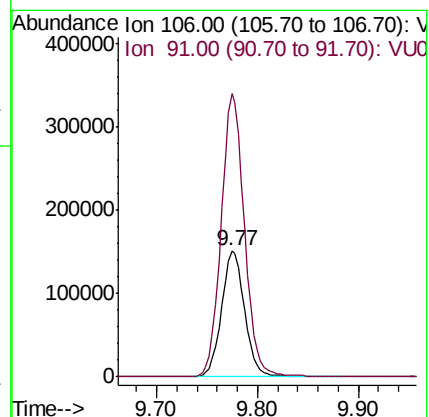
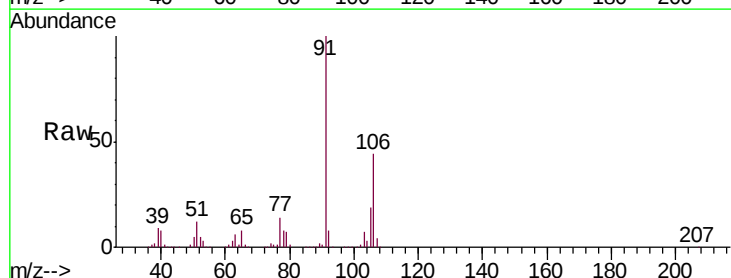
Acq: 26 Mar 2019 21:51

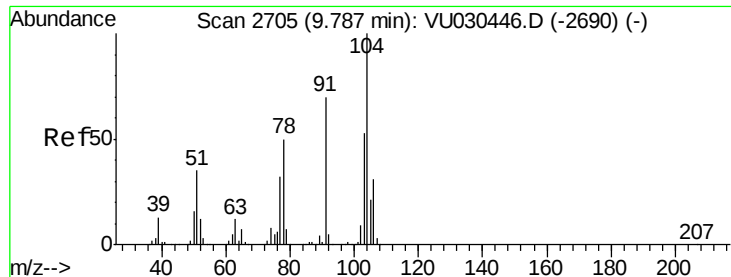
Tgt Ion:106 Resp: 241651

Ion Ratio Lower Upper

106 100

91 224.8 159.6 296.4





#55

Styrene

Concen: 3.689 ug/L

RT: 9.78 min Scan# 2704

Delta R.T. -0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

Instrument :

MSVOA_U

ClientSampleId :

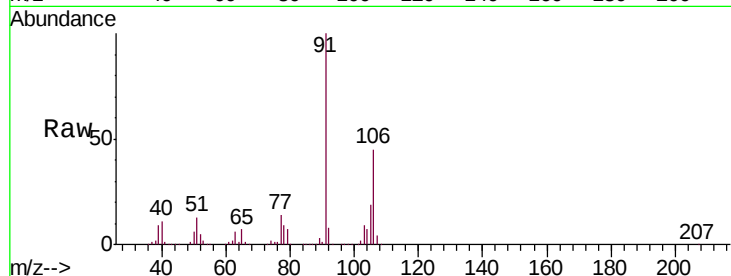
DB6R7

Tgt Ion:104 Resp: 36667

Ion Ratio Lower Upper

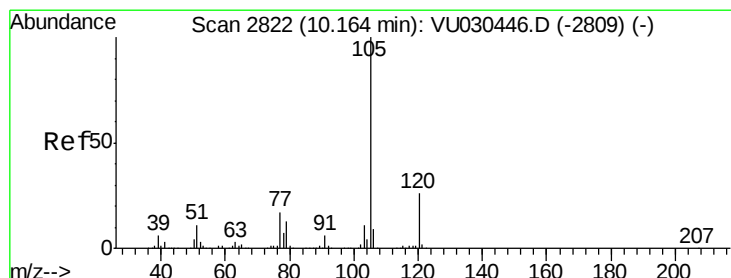
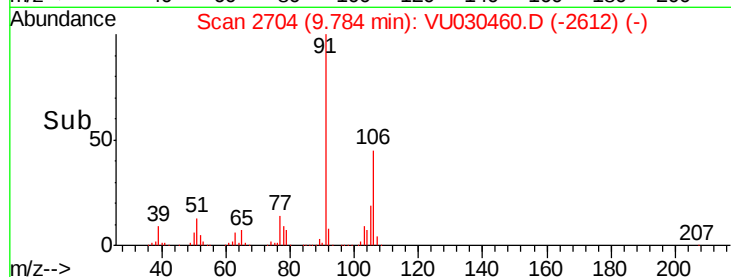
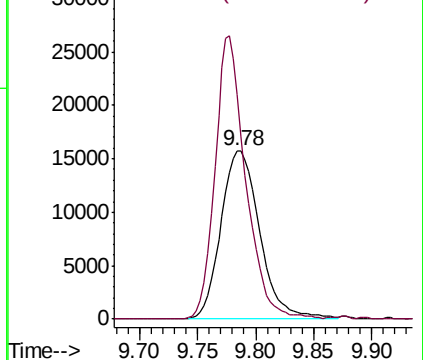
104 100

78 133.0 35.1 65.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 1.087 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030460.D

Acq: 26 Mar 2019 21:51

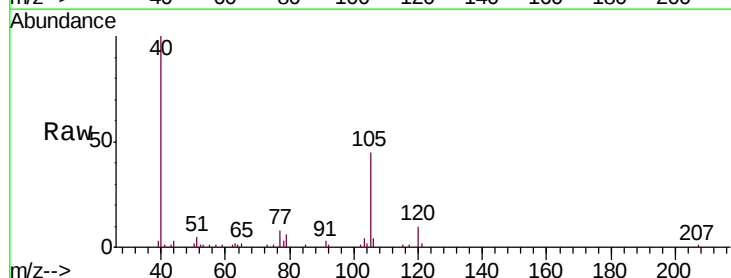
Tgt Ion:105 Resp: 16610

Ion Ratio Lower Upper

105 100

120 21.8 20.2 30.2

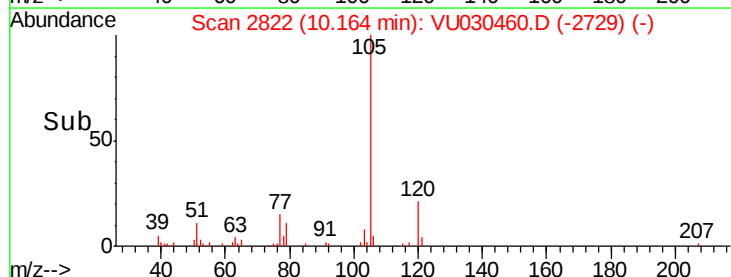
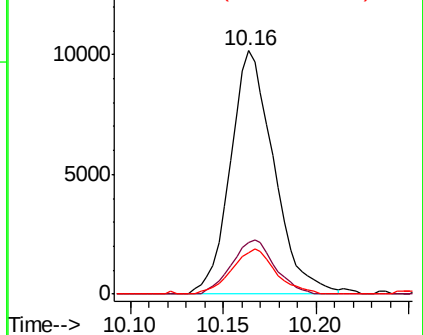
77 18.7 13.2 19.8

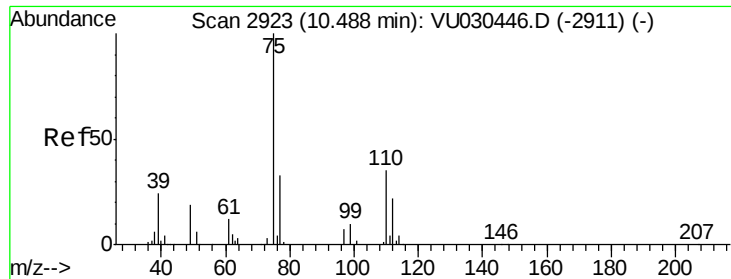


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

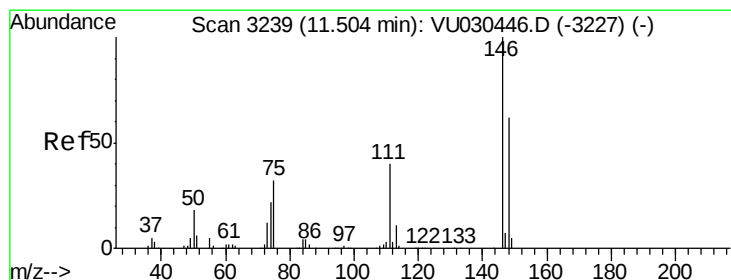
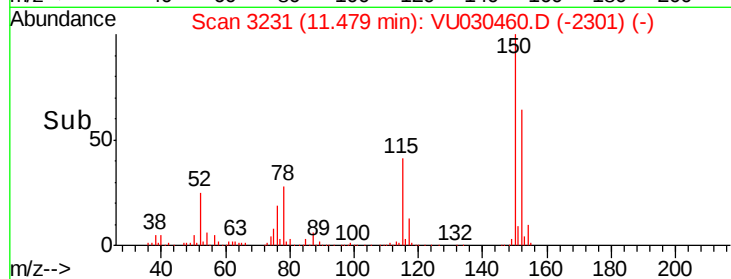
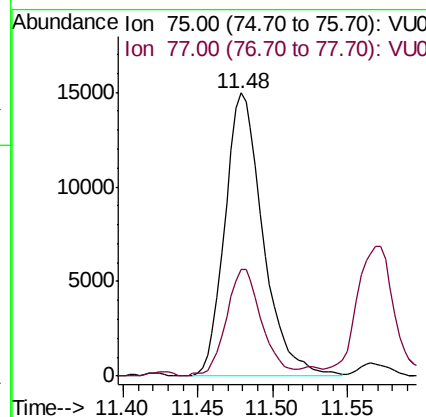
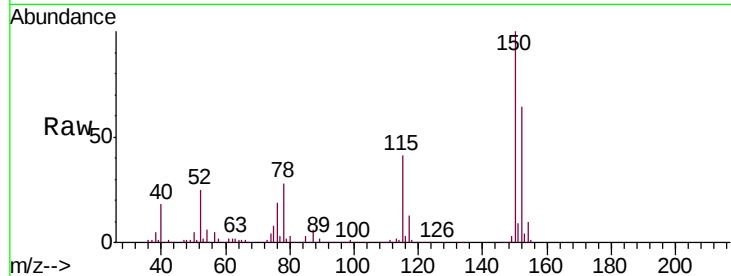




#59
 1,2,3-Trichloropropane
 Concen: 5.277 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU030460.D
 Acq: 26 Mar 2019 21:51

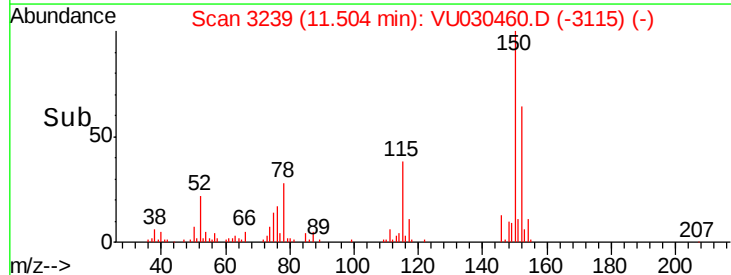
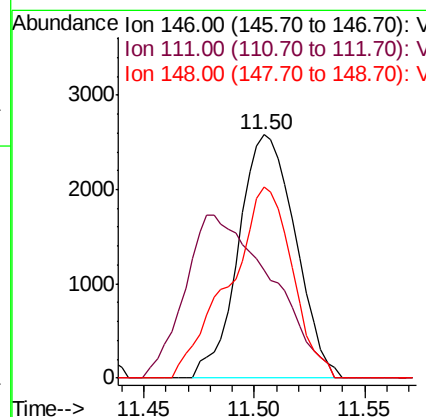
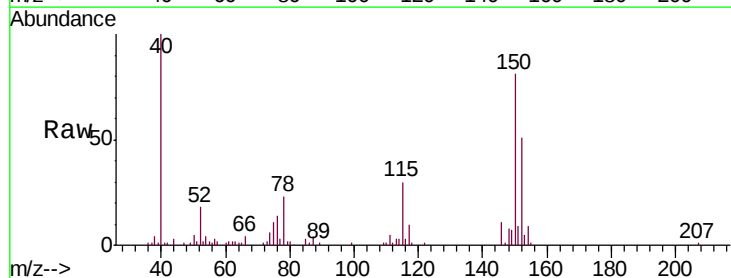
Instrument :
 MSVOA_U
 ClientSampleId :
 DB6R7

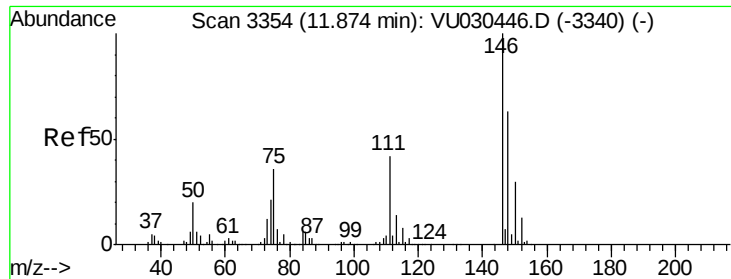
Tgt Ion: 75 Resp: 26556
 Ion Ratio Lower Upper
 75 100
 77 34.8 25.4 38.2



#63
 1,4-Dichlorobenzene
 Concen: 0.727 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030460.D
 Acq: 26 Mar 2019 21:51

Tgt Ion: 146 Resp: 4613
 Ion Ratio Lower Upper
 146 100
 111 44.1 28.7 53.3
 148 78.6 44.3 82.3

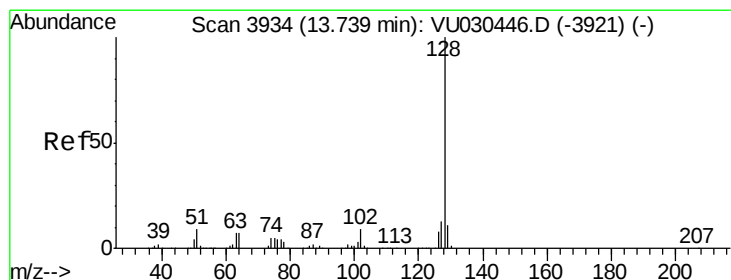
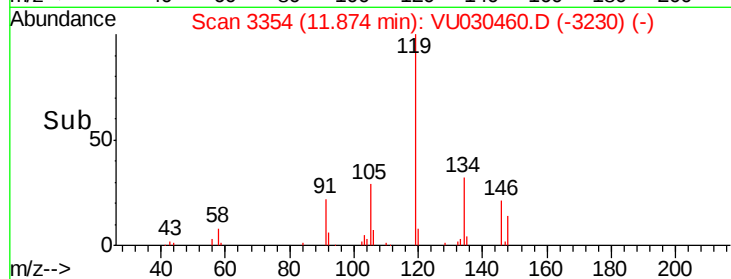
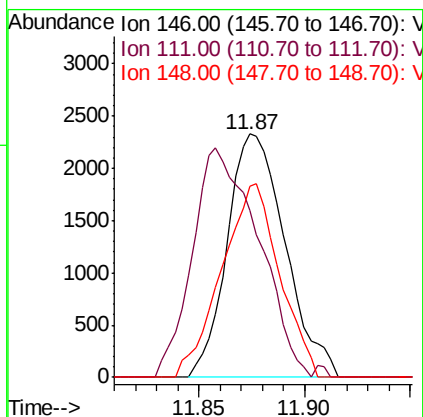
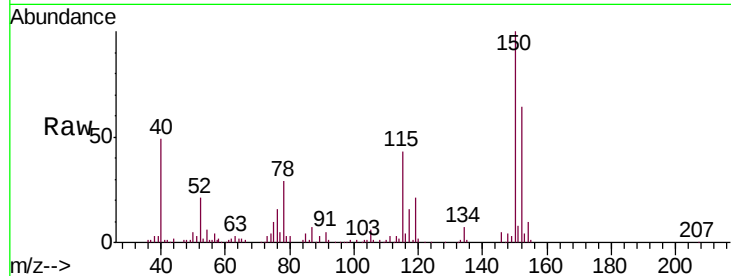




#65
 1,2-Dichlorobenzene
 Concen: 0.715 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030460.D
 Acq: 26 Mar 2019 21:51

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6R7

Tgt Ion:146 Resp: 4456
 Ion Ratio Lower Upper
 146 100
 111 68.3 34.9 52.3#
 148 78.6 51.2 76.8#



#69
 Naphthalene
 Concen: 7.000 ug/L
 RT: 13.74 min Scan# 3935
 Delta R.T. 0.00 min
 Lab File: VU030460.D
 Acq: 26 Mar 2019 21:51

Tgt Ion:128 Resp: 99758
 Ion Ratio Lower Upper
 128 100
 127 12.2 10.4 15.6
 129 10.0 8.4 12.6

