

Data File : VU030465.D
Acq On : 26 Mar 2019 23:49
Operator : JC/SP
Sample : K2063-10 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6S3

Quant Time: Mar 27 06:07:40 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	458682	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	430459	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	194120	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	177891	48.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.38%
7) Chloroethane-d5	1.67	69	146099	49.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.86%
11) 1,1-Dichloroethene-d2	2.27	63	249402	35.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.24%
21) 2-Butanone-d5	4.17	46	361448	104.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.16%
24) Chloroform-d	4.64	84	307154	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.58%
26) 1,2-Dichloroethane-d4	5.31	65	211216	50.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.50%
32) Benzene-d6	5.34	84	629485	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
36) 1,2-Dichloropropane-d6	6.32	67	221076	52.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.68%
41) Toluene-d8	7.56	98	547681	49.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	7.85	79	93730	47.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.40%
47) 2-Hexanone-d5	8.31	63	237529	103.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.78%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	304610	50.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	195597	50.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.58%

Target Compounds

					Qvalue	
8) Chloroethane	1.58	64	1561	0.515	ug/L #	64
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1952	0.583	ug/L #	23
13) Acetone	2.32	43	3883	1.106	ug/L	71
27) 1,2-Dichloroethane	5.39	62	11420	2.167	ug/L #	85
29) Cyclohexane	4.99	56	9613	1.476	ug/L	94
33) Benzene	5.39	78	1057505	72.169	ug/L	100
42) Toluene	7.63	91	5920774	389.330	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	4029	0.766	ug/L	99
48) 2-Hexanone	8.37	43	8288	1.448	ug/L	99
50) 1,2-Dibromoethane	8.59	107	6637	1.760	ug/L #	82
52) Ethylbenzene	9.25	91	638288	38.745	ug/L	100
53) m,p-Xylene	9.37	106	807005	135.669	ug/L	100
54) o-xylene	9.77	106	375430	64.685	ug/L	100
55) Styrene	9.77	104	22641	2.265	ug/L #	1
56) Isopropylbenzene	10.16	105	18489	1.203	ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	25947	5.126	ug/L	94
69) Naphthalene	13.75	128	70673	4.813	ug/L	99

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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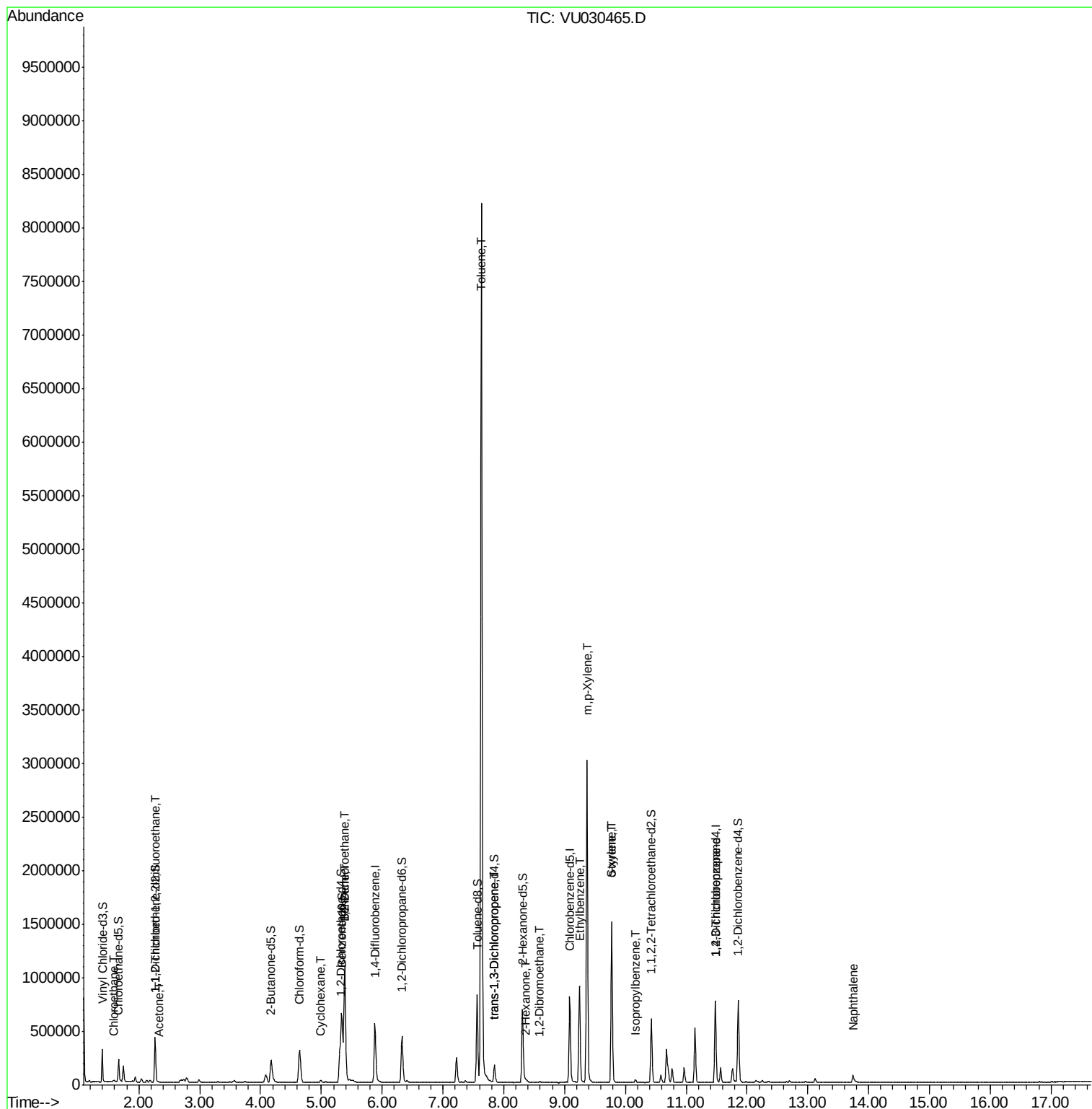
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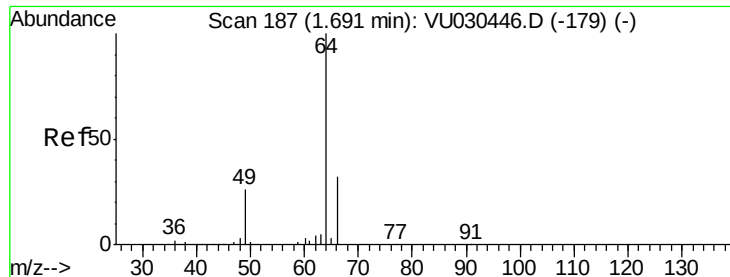
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.515 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.12 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

Instrument :

MSVOA_U

ClientSampleID :

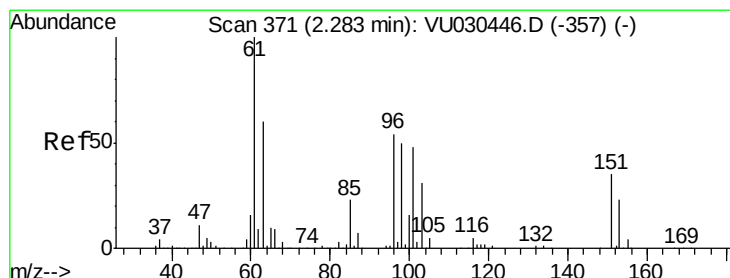
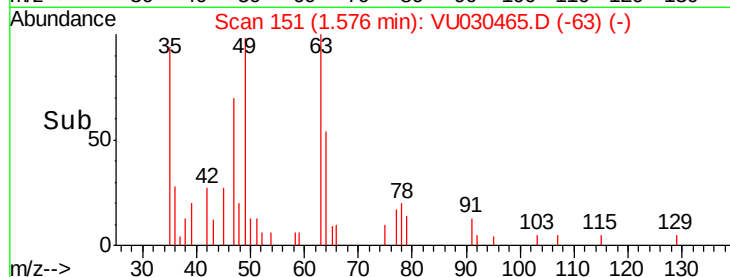
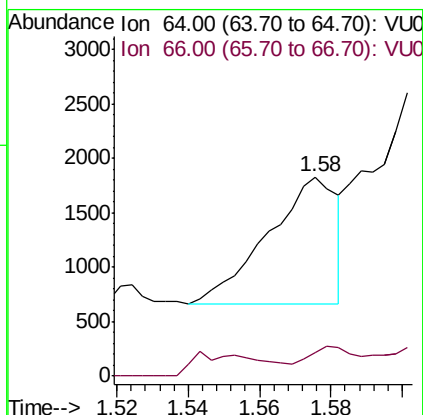
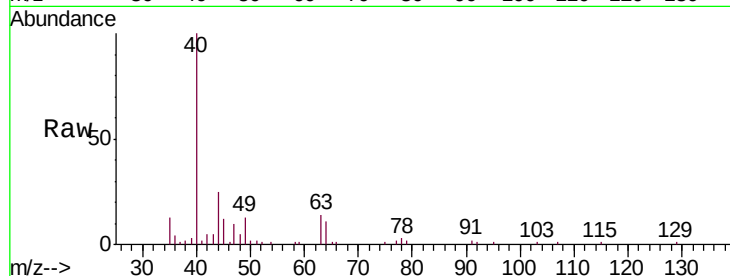
DB6S3

Tgt Ion: 64 Resp: 1561

Ion Ratio Lower Upper

64 100

66 12.1 22.5 41.7#



#10

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

Concen: 0.583 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

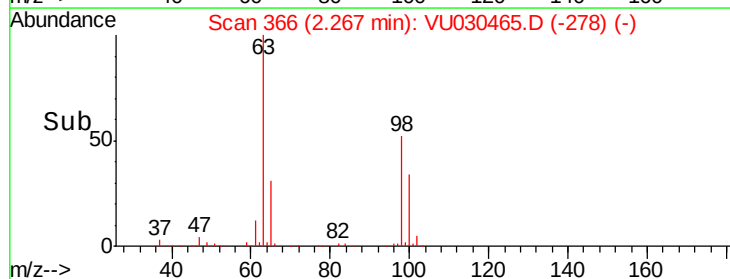
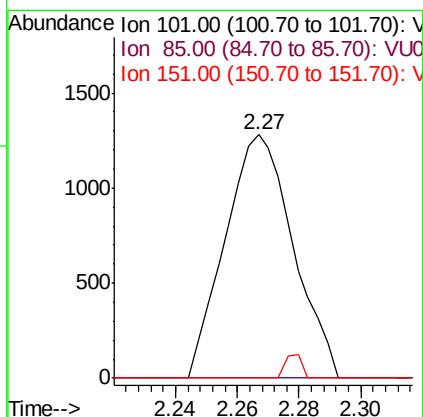
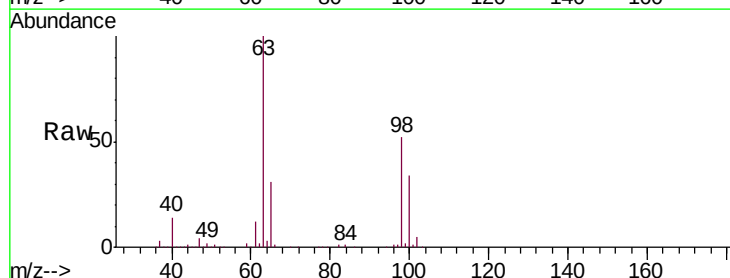
Tgt Ion: 101 Resp: 1952

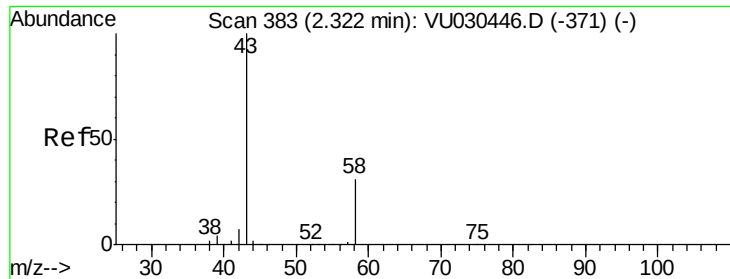
Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 2.4 56.6 85.0#





#13

Acetone

Concen: 1.106 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.01 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

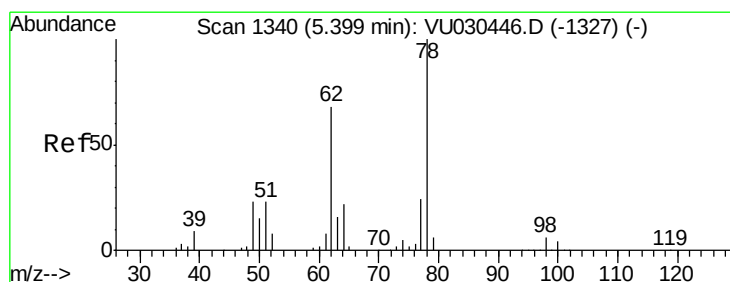
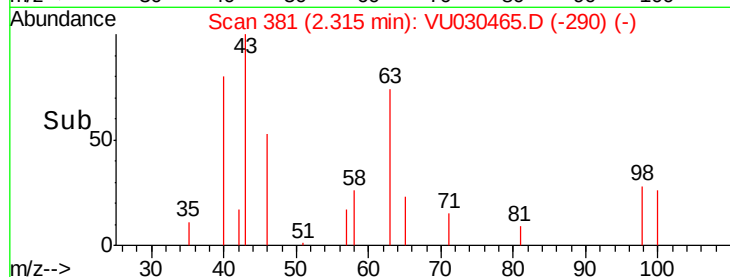
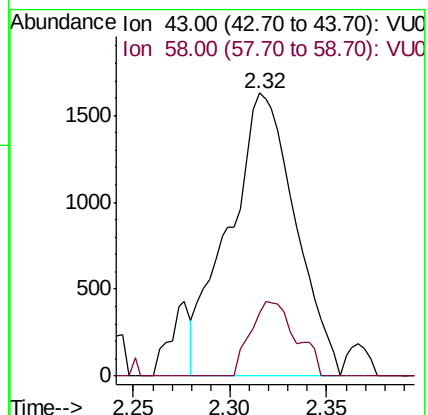
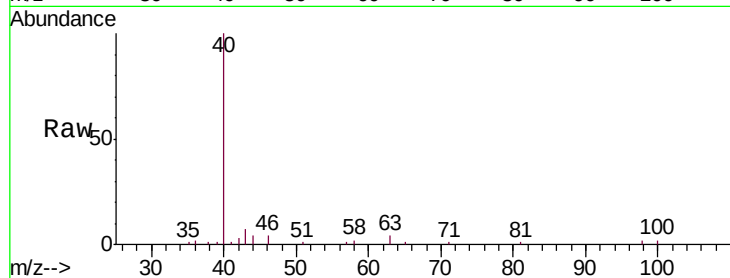
DB6S3

Tgt Ion: 43 Resp: 3883

Ion Ratio Lower Upper

43 100

58 15.3 0.0 62.8



#27

1,2-Dichloroethane

Concen: 2.167 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VU030465.D

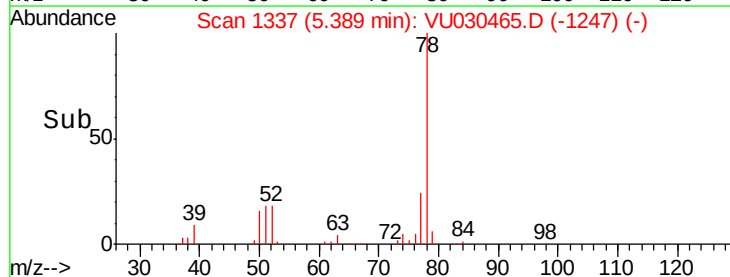
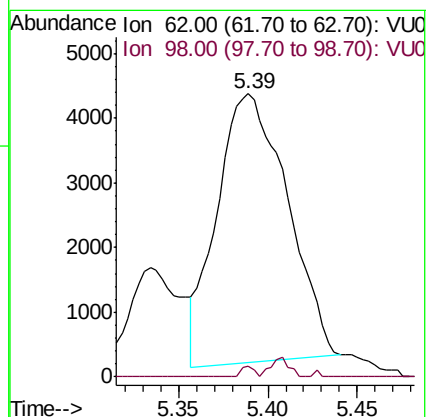
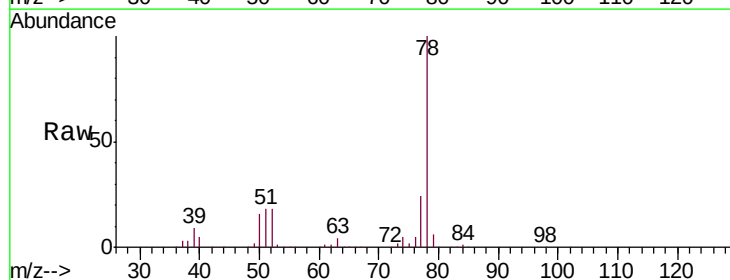
Acq: 26 Mar 2019 23:49

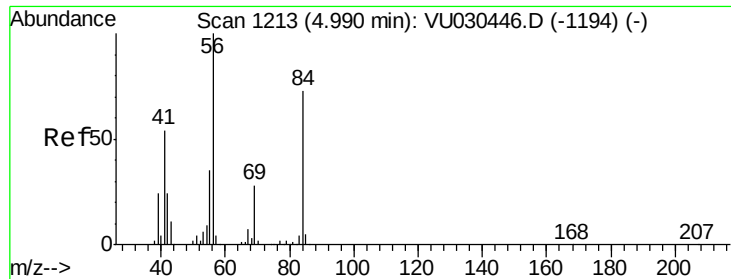
Tgt Ion: 62 Resp: 11420

Ion Ratio Lower Upper

62 100

98 3.6 7.2 10.8#

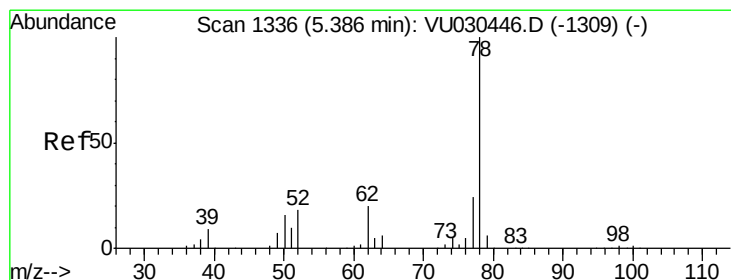
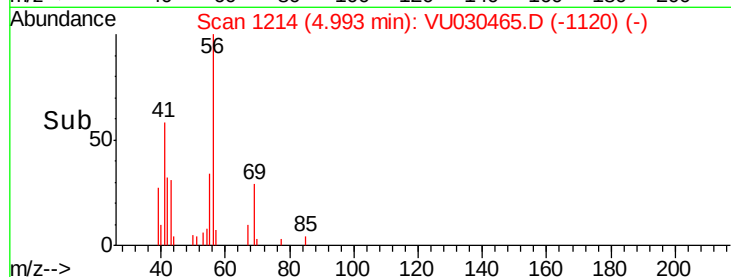
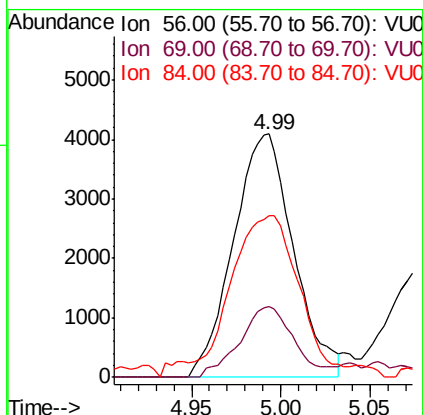
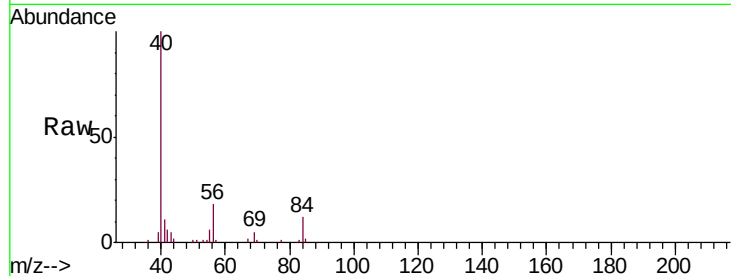




#29
Cyclohexane
Concen: 1.476 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU030465.D
Acq: 26 Mar 2019 23:49

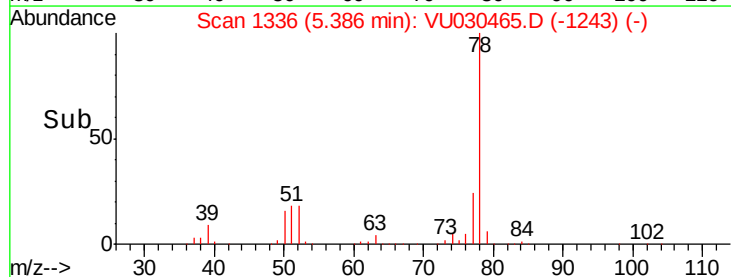
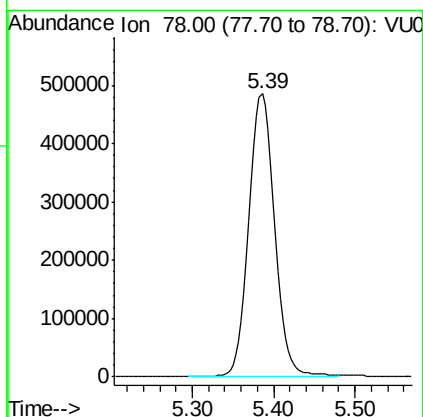
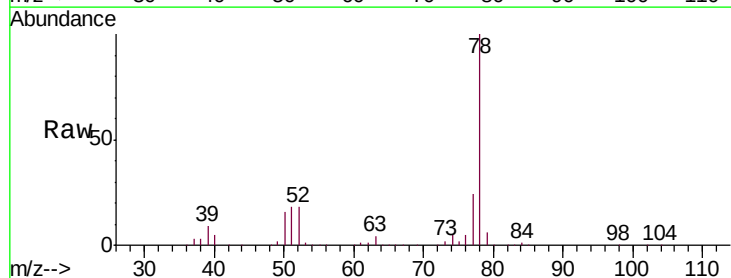
Instrument :
MSVOA_U
ClientSampleId :
DB6S3

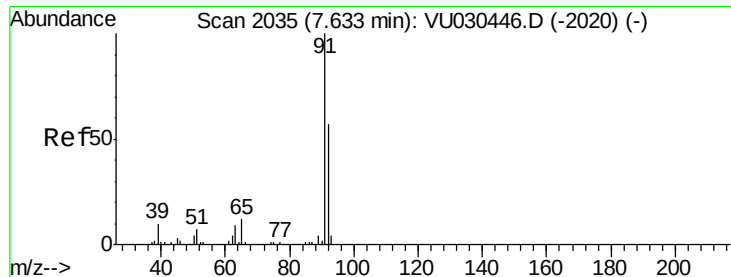
Tgt Ion: 56 Resp: 9613
Ion Ratio Lower Upper
56 100
69 26.5 22.9 34.3
84 67.5 58.9 88.3



#33
Benzene
Concen: 72.169 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU030465.D
Acq: 26 Mar 2019 23:49

Tgt Ion: 78 Resp: 1057505





#42

Toluene

Concen: 389.330 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

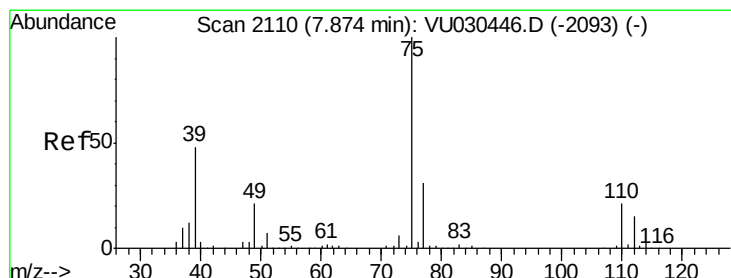
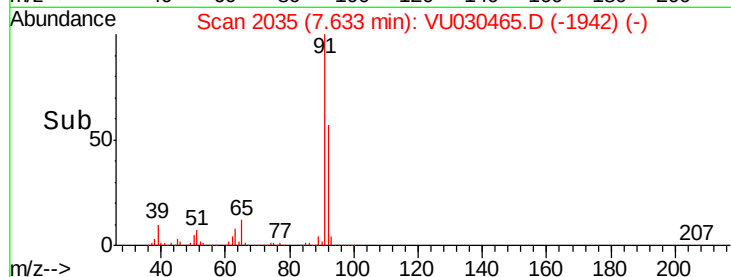
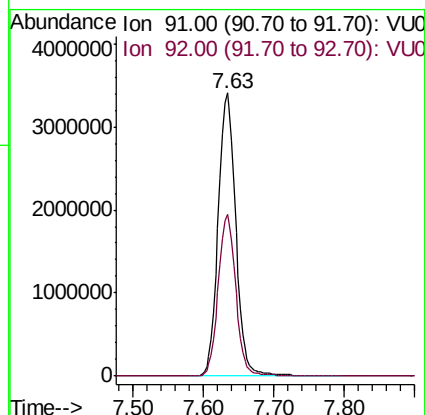
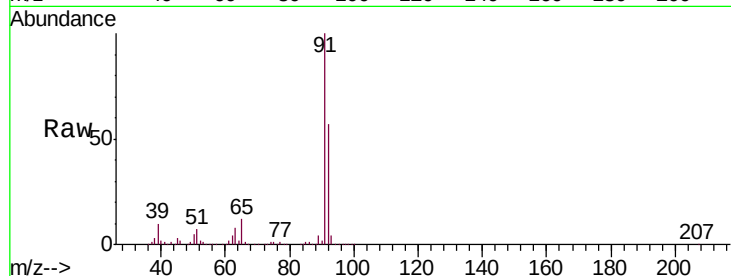
DB6S3

Tgt Ion: 91 Resp: 5920774

Ion Ratio Lower Upper

91 100

92 57.1 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 0.766 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030465.D

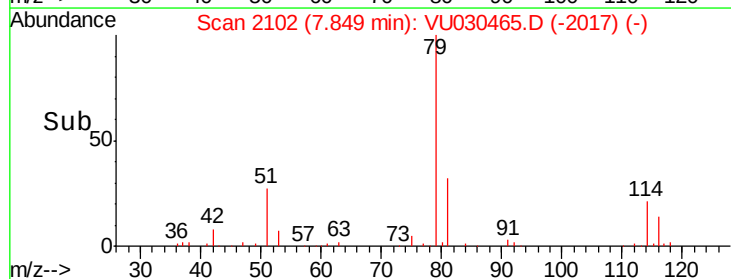
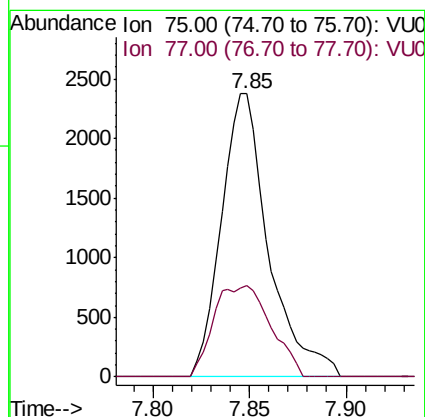
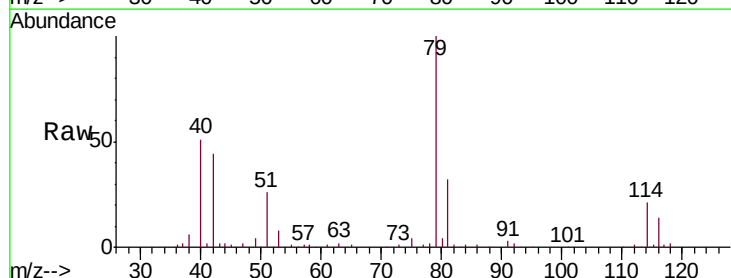
Acq: 26 Mar 2019 23:49

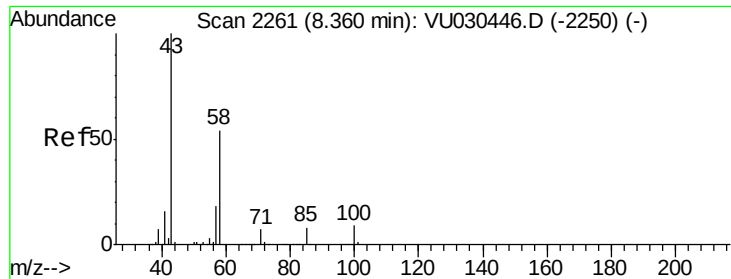
Tgt Ion: 75 Resp: 4029

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8

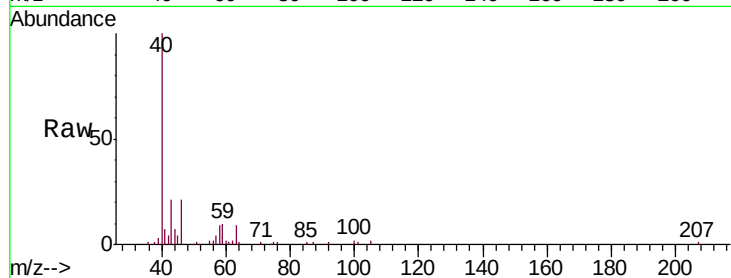




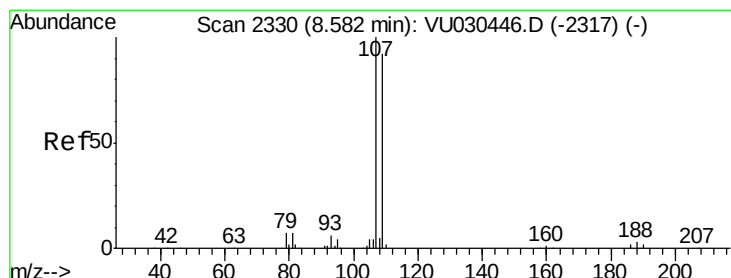
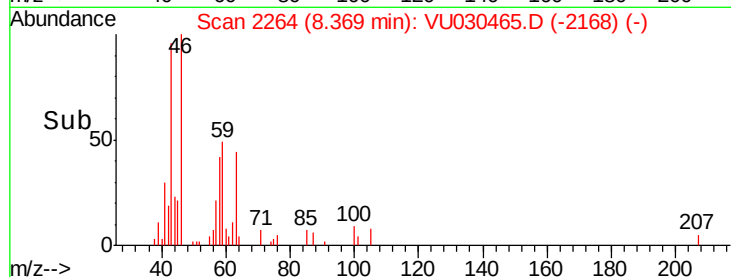
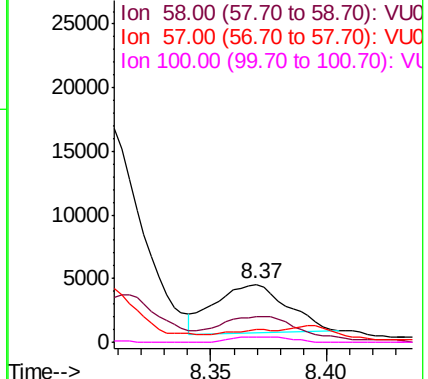
#48
2-Hexanone
Concen: 1.448 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU030465.D
Acq: 26 Mar 2019 23:49

Instrument :
MSVOA_U
ClientSampleId :
DB6S3

Tgt Ion:	43	Resp:	8288
Ion	Ratio	Lower	Upper
43	100		
58	53.2	42.5	63.7
57	17.6	15.0	22.6
100	9.1	7.4	11.2

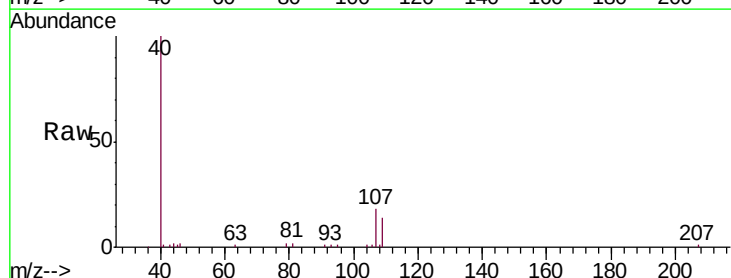


Abundance Ion 43.00 (42.70 to 43.70): VU030446.D (-2250) (-)
Ion 58.00 (57.70 to 58.70): VU030446.D (-2250) (-)
Ion 57.00 (56.70 to 57.70): VU030446.D (-2250) (-)
Ion 100.00 (99.70 to 100.70): VU030446.D (-2250) (-)

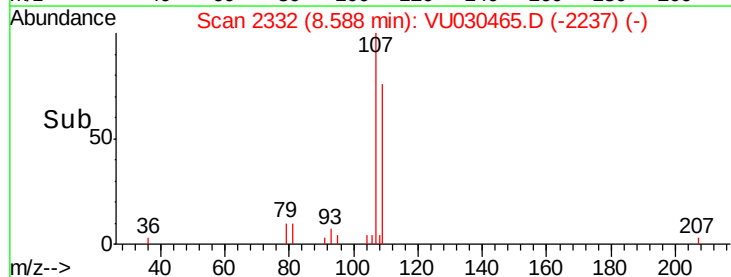
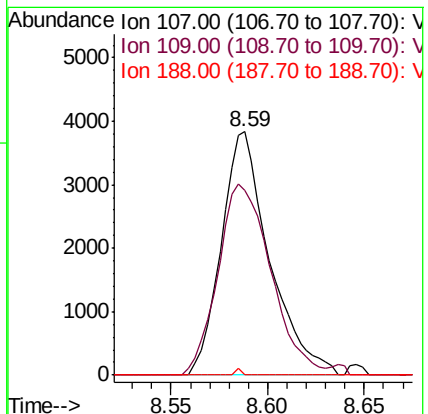


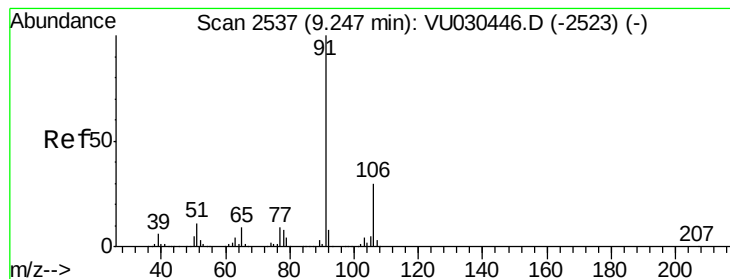
#50
1,2-Dibromoethane
Concen: 1.760 ug/L
RT: 8.59 min Scan# 2332
Delta R.T. 0.01 min
Lab File: VU030465.D
Acq: 26 Mar 2019 23:49

Tgt Ion:	107	Resp:	6637
Ion	Ratio	Lower	Upper
107	100		
109	75.9	65.8	122.2
188	0.0	2.6	4.0#



Abundance Ion 107.00 (106.70 to 107.70): VU030446.D (-2317) (-)
Ion 109.00 (108.70 to 109.70): VU030446.D (-2317) (-)
Ion 188.00 (187.70 to 188.70): VU030446.D (-2317) (-)





#52

Ethylbenzene

Concen: 38.745 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

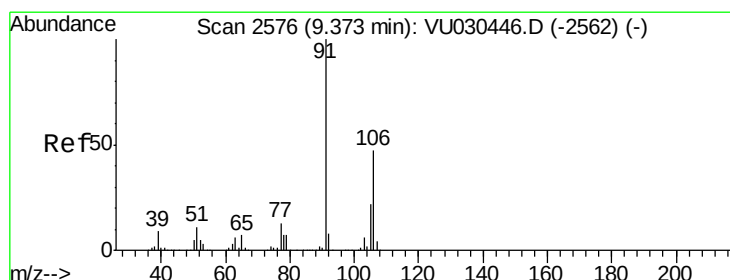
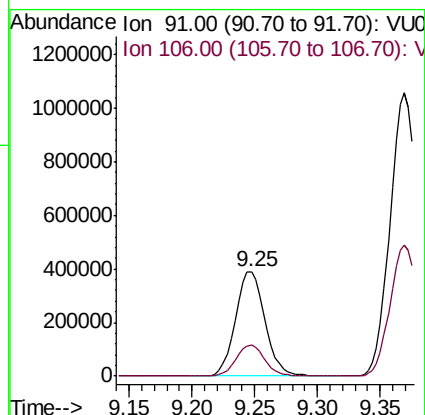
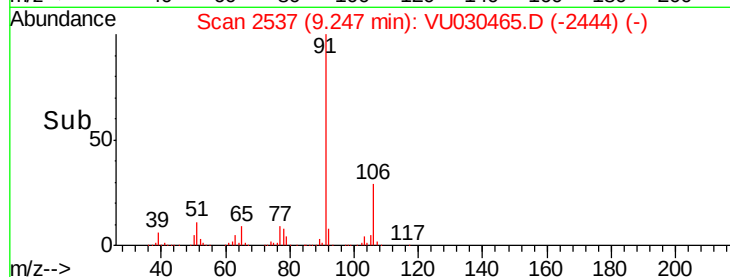
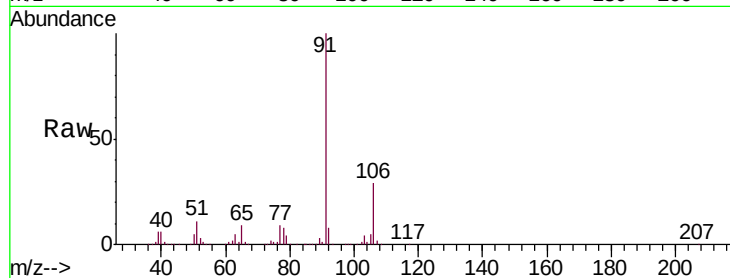
DB6S3

Tgt Ion: 91 Resp: 638288

Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.2



#53

m,p-Xylene

Concen: 135.669 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030465.D

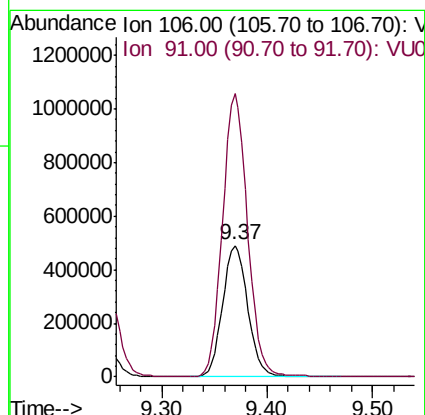
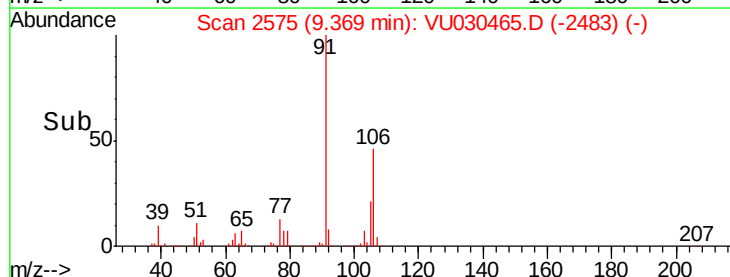
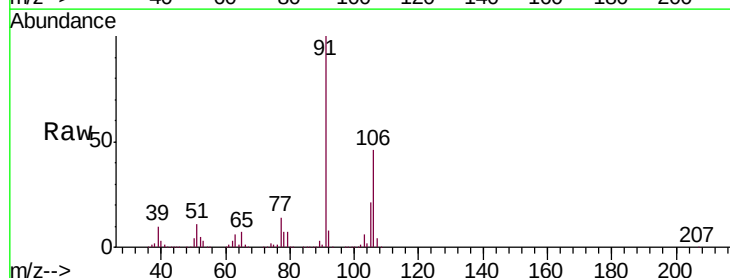
Acq: 26 Mar 2019 23:49

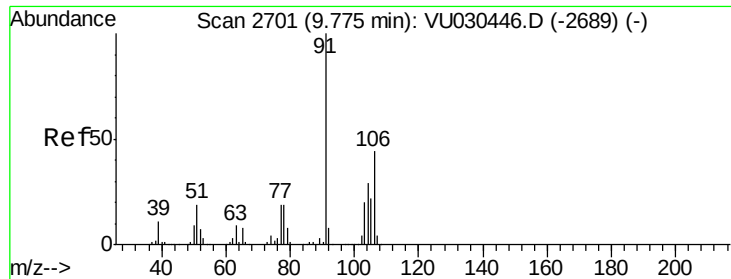
Tgt Ion: 106 Resp: 807005

Ion Ratio Lower Upper

106 100

91 215.3 151.2 280.8





#54

o-xylene

Concen: 64.685 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

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ClientSampleId :

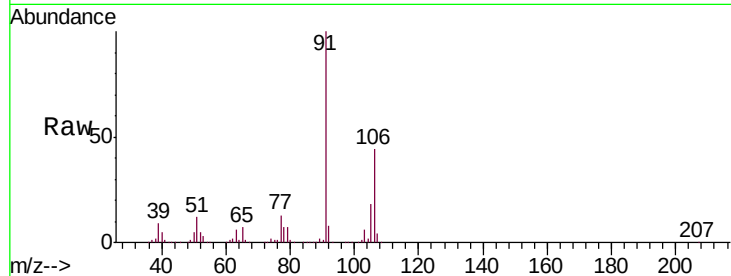
DB6S3

Tgt Ion:106 Resp: 375430

Ion Ratio Lower Upper

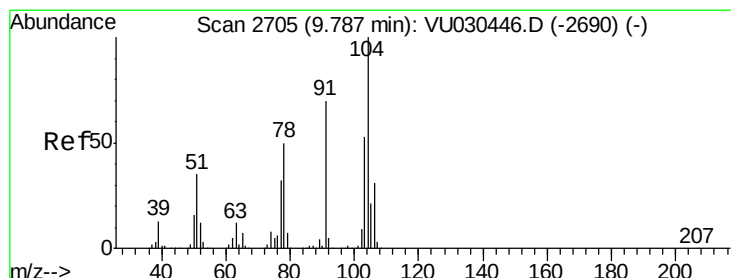
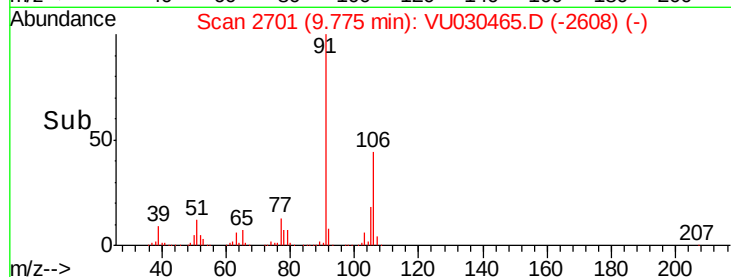
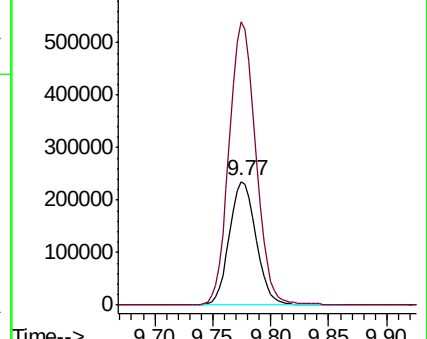
106 100

91 228.7 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 2.265 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.01 min

Lab File: VU030465.D

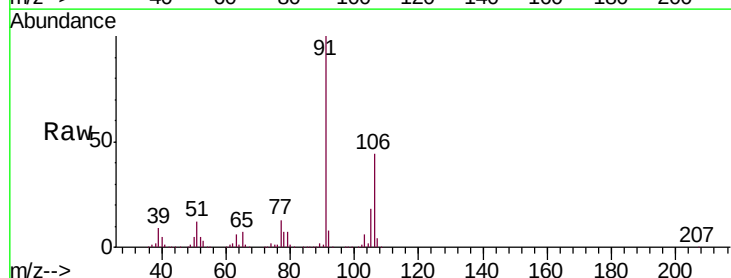
Acq: 26 Mar 2019 23:49

Tgt Ion:104 Resp: 22641

Ion Ratio Lower Upper

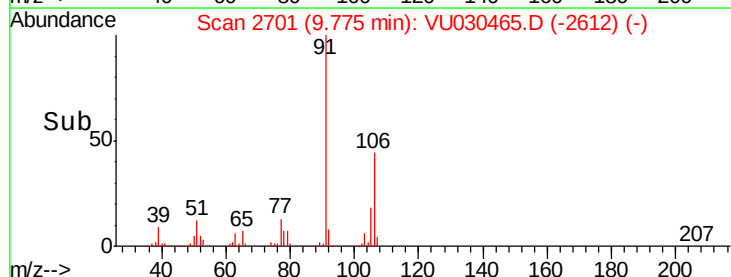
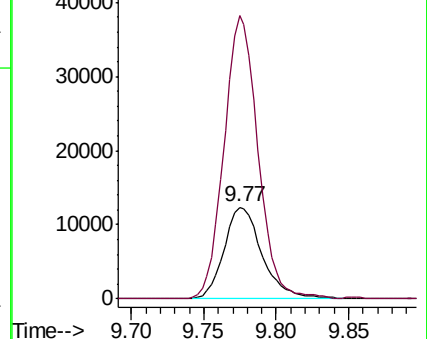
104 100

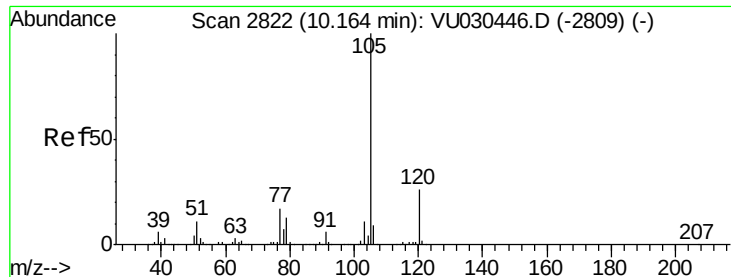
78 307.6 35.1 65.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.203 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

DB6S3

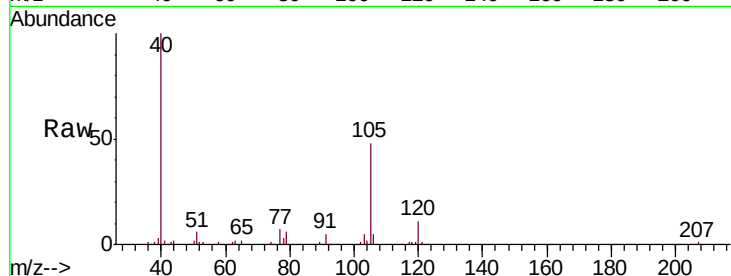
Tgt Ion: 105 Resp: 18489

Ion Ratio Lower Upper

105 100

120 23.3 20.2 30.2

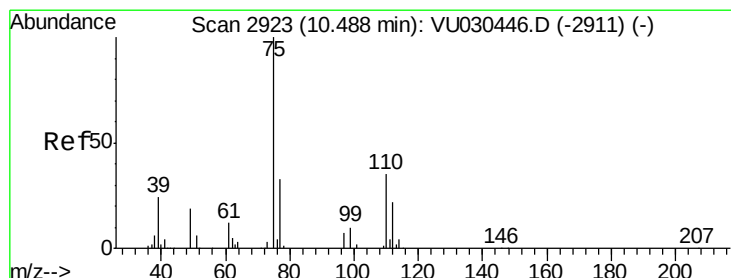
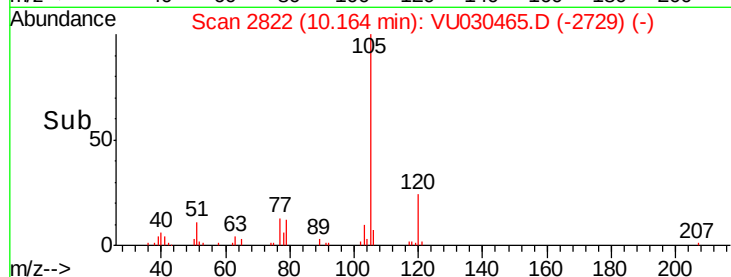
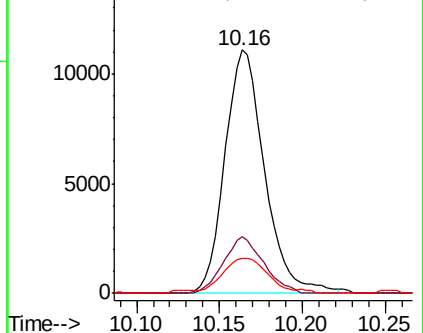
77 15.1 13.2 19.8



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): VU



#59

1,2,3-Trichloropropane

Concen: 5.126 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030465.D

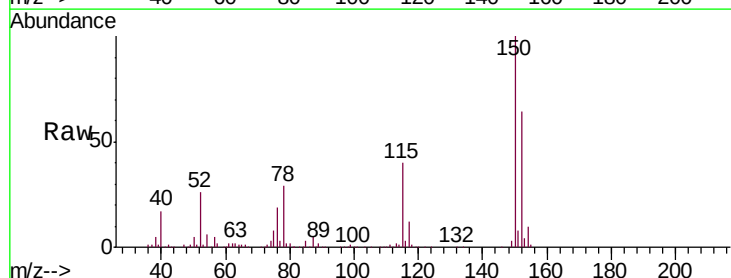
Acq: 26 Mar 2019 23:49

Tgt Ion: 75 Resp: 25947

Ion Ratio Lower Upper

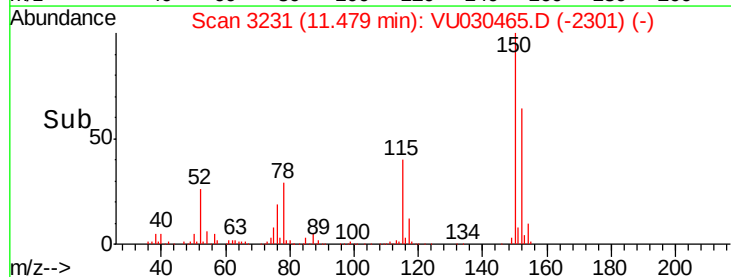
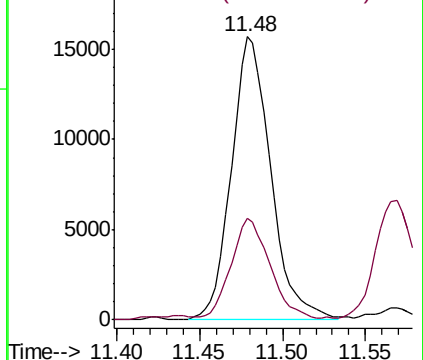
75 100

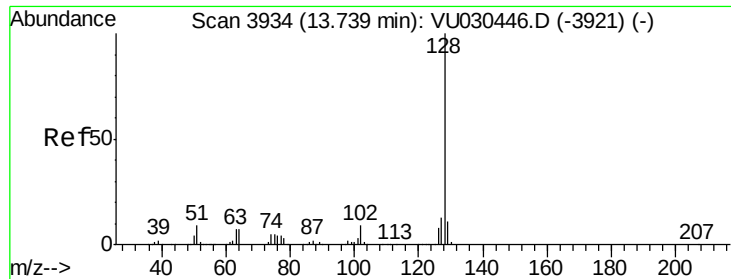
77 35.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#69

Naphthalene

Concen: 4.813 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU030465.D

Acq: 26 Mar 2019 23:49

Instrument :

MSVOA_U

ClientSampleId :

DB6S3

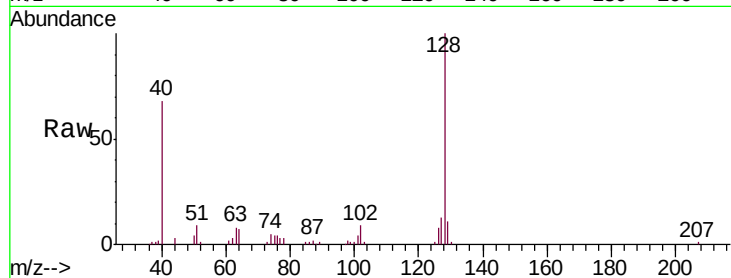
Tgt Ion:128 Resp: 70673

Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

129 10.5 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

