

Data File : VU030469.D
Acq On : 27 Mar 2019 01:23
Operator : JC/SP
Sample : K2063-16 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6S4

Quant Time: Mar 27 06:08:38 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	465018	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	443521	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	195137	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	184128	49.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.40%
7) Chloroethane-d5	1.67	69	147254	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.28%
11) 1,1-Dichloroethene-d2	2.27	63	251404	35.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.82%
21) 2-Butanone-d5	4.17	46	353765	100.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.56%
24) Chloroform-d	4.64	84	308131	47.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.58%
26) 1,2-Dichloroethane-d4	5.31	65	209389	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.26%
32) Benzene-d6	5.34	84	626375	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.50%
36) 1,2-Dichloropropane-d6	6.32	67	222267	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.16%
41) Toluene-d8	7.56	98	548889	48.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.10%
43) trans-1,3-Dichloropropene-	7.85	79	93934	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.82%
47) 2-Hexanone-d5	8.31	63	232815	98.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.73%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	306875	49.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	196522	50.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.52%

Target Compounds

						Qvalue
8) Chloroethane	1.65	64	8951	2.914	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2065	0.608	ug/L #	21
13) Acetone	2.32	43	2876	0.808	ug/L	85
29) Cyclohexane	4.99	56	7760	1.156	ug/L #	61
33) Benzene	5.39	78	295470	19.570	ug/L	100
35) Methylcyclohexane	6.41	83	4114	0.674	ug/L #	71
39) cis-1,3-Dichloropropene	7.22	75	4998	0.812	ug/L #	36
42) Toluene	7.63	91	3270181	208.703	ug/L	99
44) trans-1,3-Dichloropropene	7.84	75	3573	0.659	ug/L	91
48) 2-Hexanone	8.37	43	10550	1.789	ug/L #	53
52) Ethylbenzene	9.25	91	642067	37.827	ug/L	99
53) m,p-Xylene	9.37	106	838343	136.787	ug/L	99
54) o-xylene	9.77	106	378932	63.365	ug/L	97
55) Styrene	9.77	104	22683	2.202	ug/L #	1
56) Isopropylbenzene	10.16	105	18033	1.139	ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	25622	4.913	ug/L	93
69) Naphthalene	13.75	128	59938	4.061	ug/L	95

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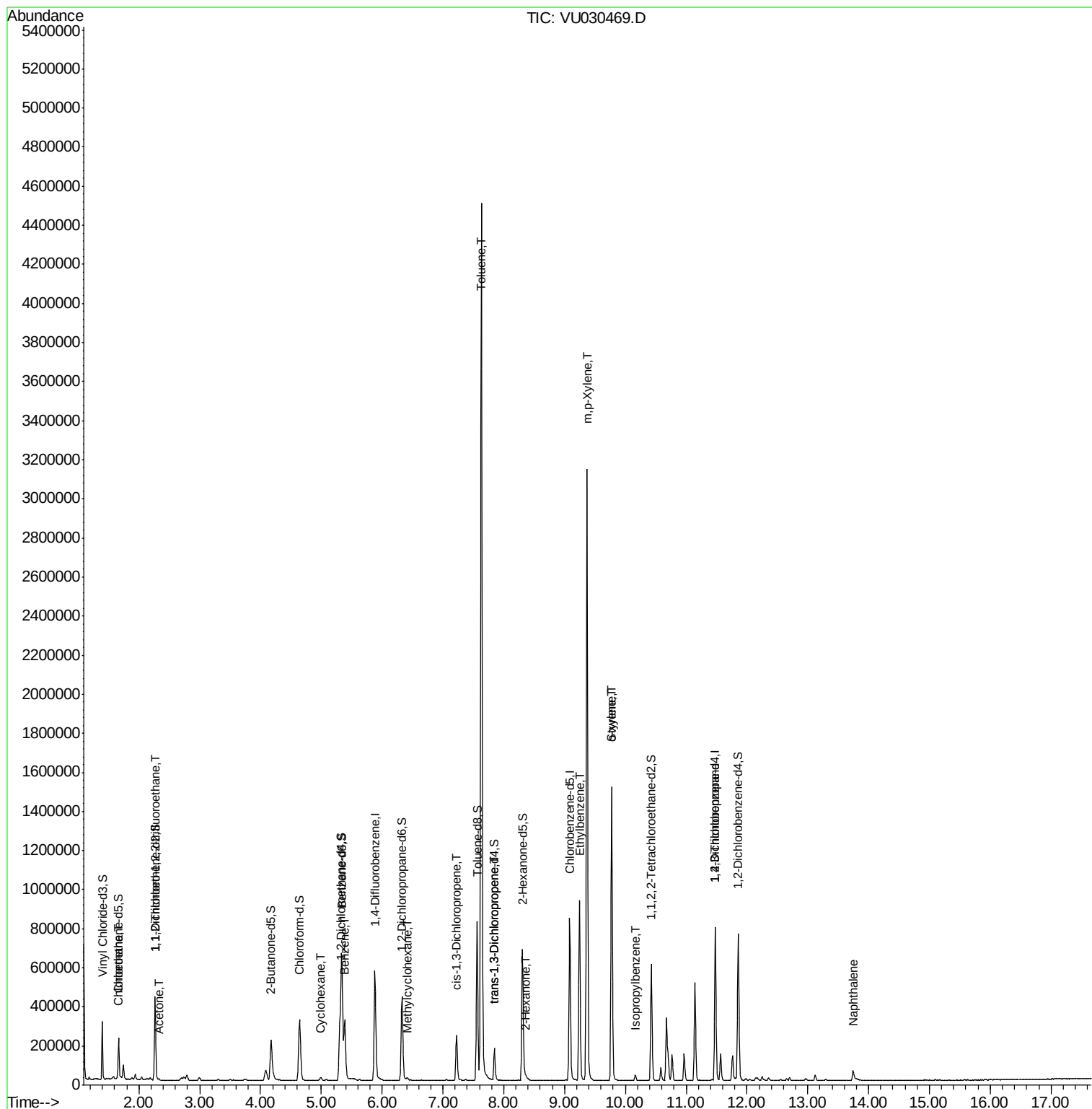
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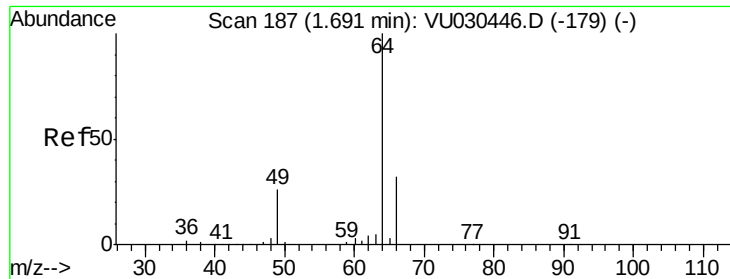
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
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#8

Chloroethane

Concen: 2.914 ug/L

RT: 1.65 min Scan# 174

Delta R.T. -0.04 min

Lab File: VU030469.D

Acq: 27 Mar 2019 01:23

Instrument :

MSVOA_U

ClientSampleId :

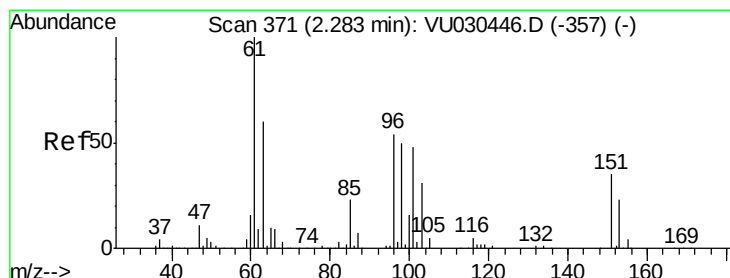
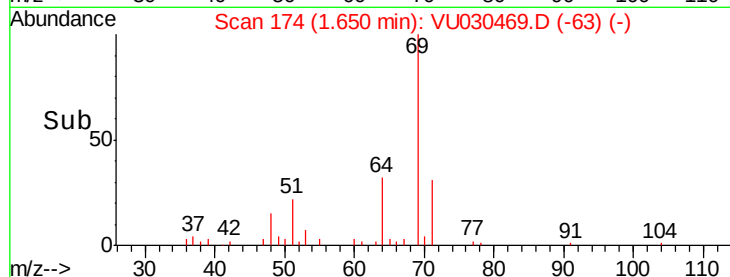
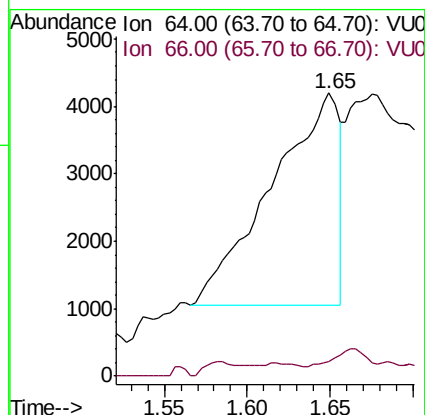
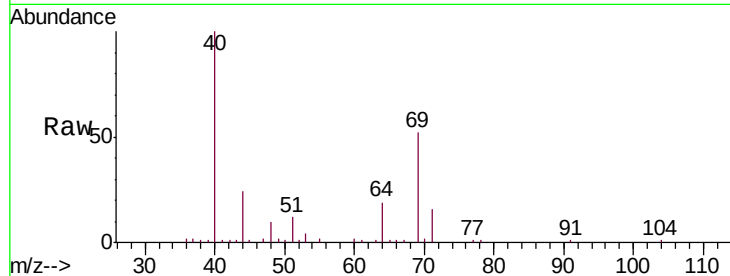
DB6S4

Tgt Ion: 64 Resp: 8951

Ion Ratio Lower Upper

64 100

66 5.2 22.5 41.7#



#10

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

Concen: 0.608 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030469.D

Acq: 27 Mar 2019 01:23

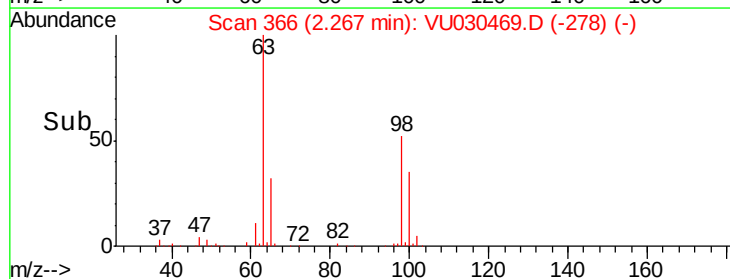
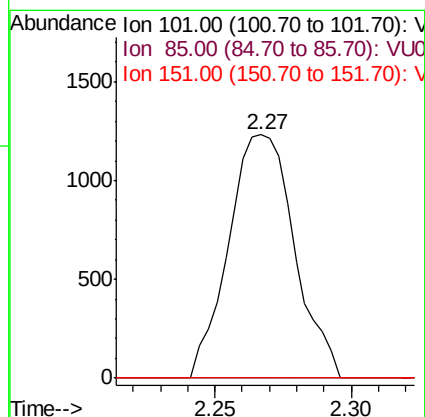
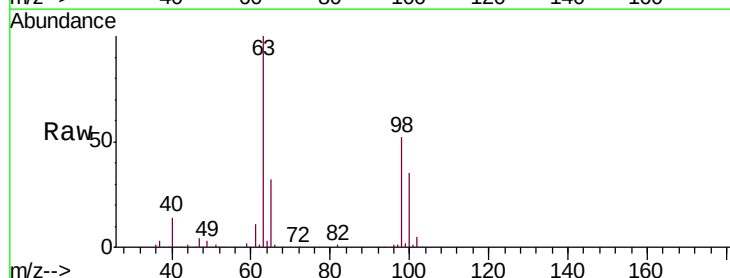
Tgt Ion: 101 Resp: 2065

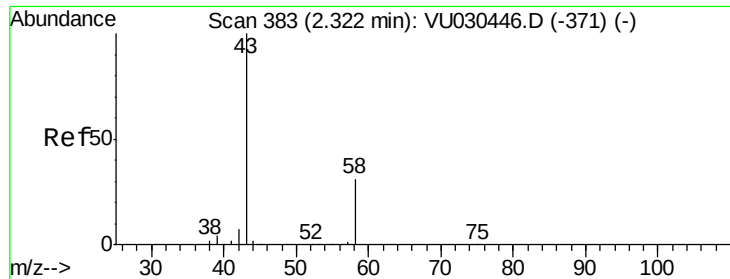
Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 56.6 85.0#





#13

Acetone

Concen: 0.808 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU030469.D

Acq: 27 Mar 2019 01:23

Instrument :

MSVOA_U

ClientSampleId :

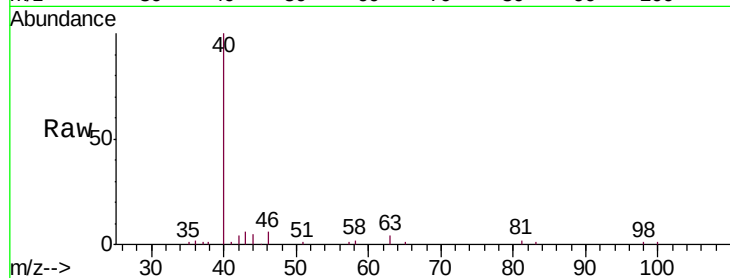
DB6S4

Tgt Ion: 43 Resp: 2876

Ion Ratio Lower Upper

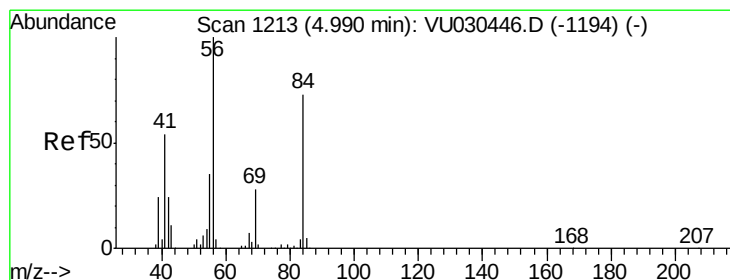
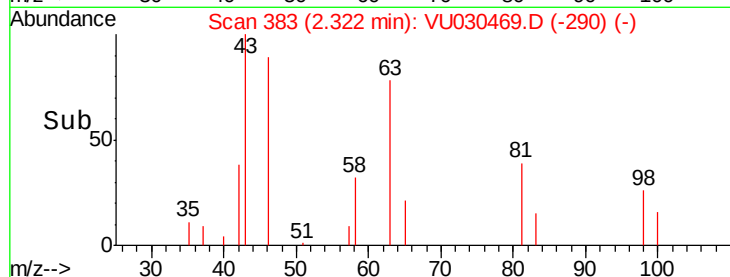
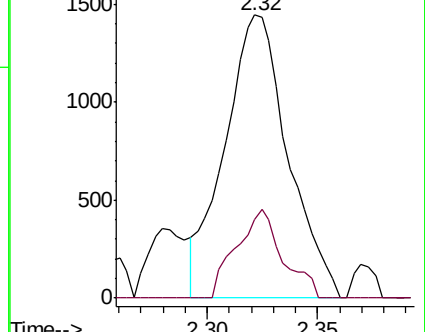
43 100

58 23.0 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) (-)



#29

Cyclohexane

Concen: 1.156 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VU030469.D

Acq: 27 Mar 2019 01:23

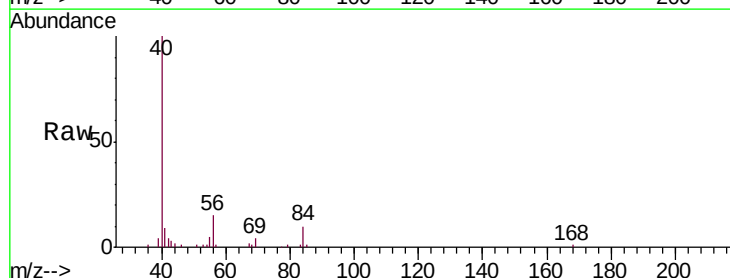
Tgt Ion: 56 Resp: 7760

Ion Ratio Lower Upper

56 100

69 22.8 22.9 34.3#

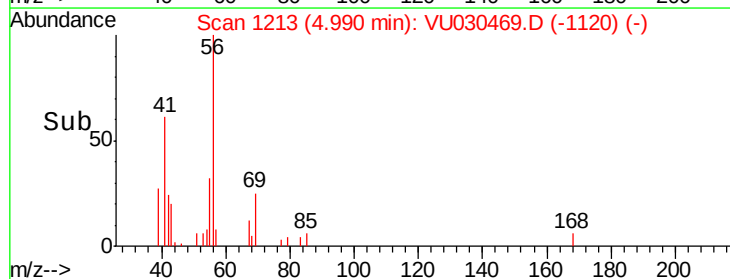
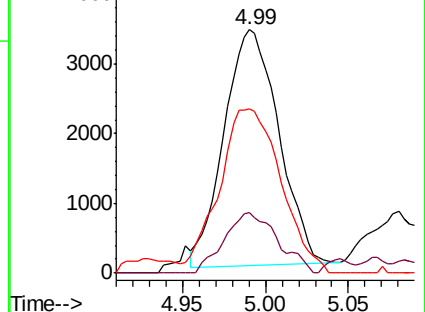
84 31.3 58.9 88.3#

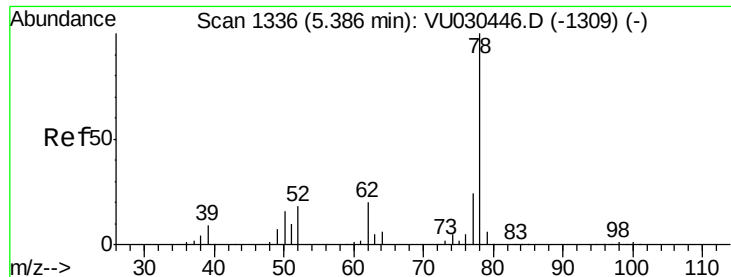


Abundance Ion 56.00 (55.70 to 56.70): VU030446.D (-1194) (-)

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: 19.570 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU030469.D

Acq: 27 Mar 2019 01:23

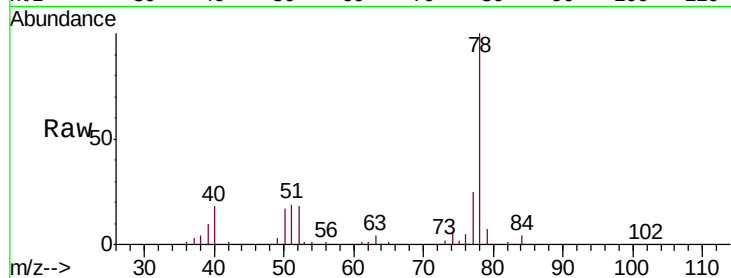
Instrument :

MSVOA_U

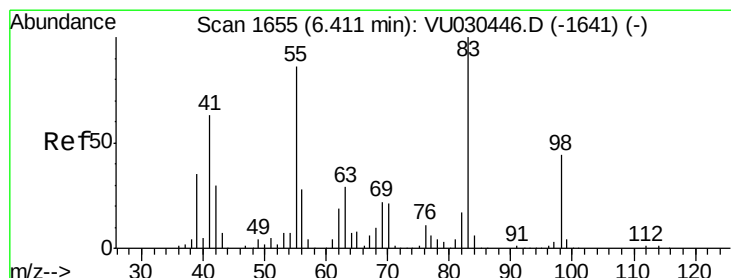
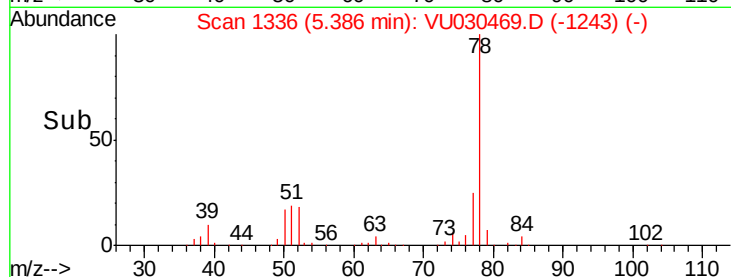
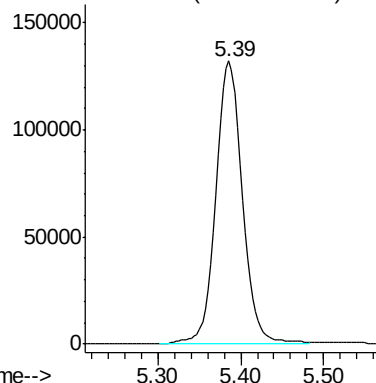
ClientSampleId :

DB6S4

Tgt Ion: 78 Resp: 295470



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 0.674 ug/L

RT: 6.41 min Scan# 1656

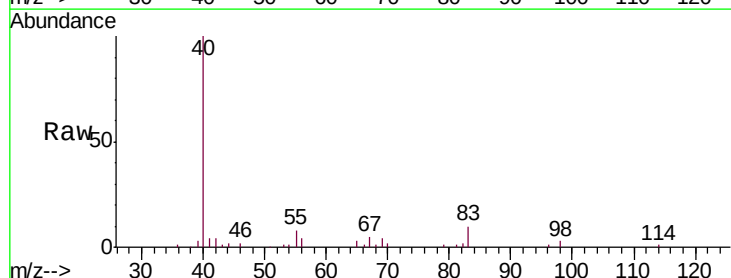
Delta R.T. 0.00 min

Lab File: VU030469.D

Acq: 27 Mar 2019 01:23

Tgt Ion: 83 Resp: 4114

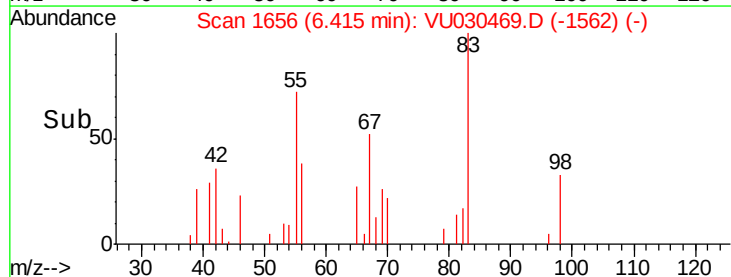
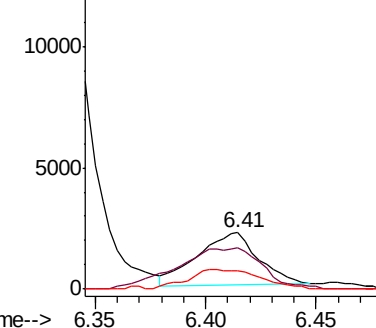
Ion	Ratio	Lower	Upper
83	100		
55	64.9	71.4	107.0#
98	22.8	36.0	54.0#

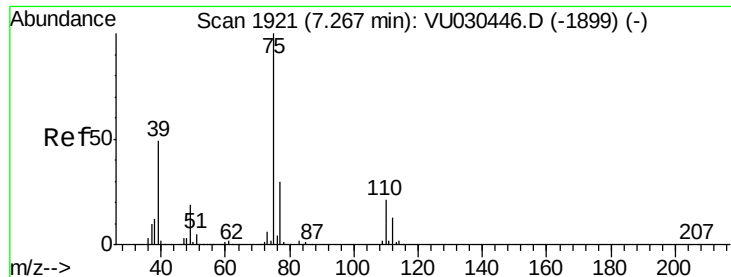


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

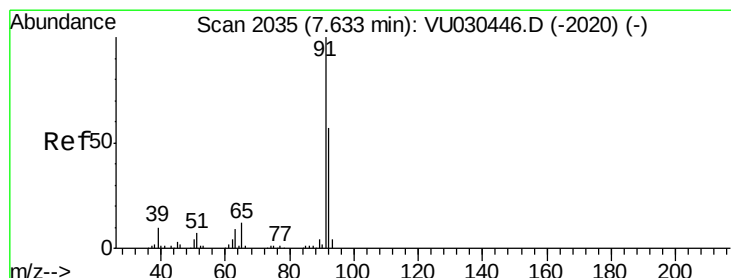
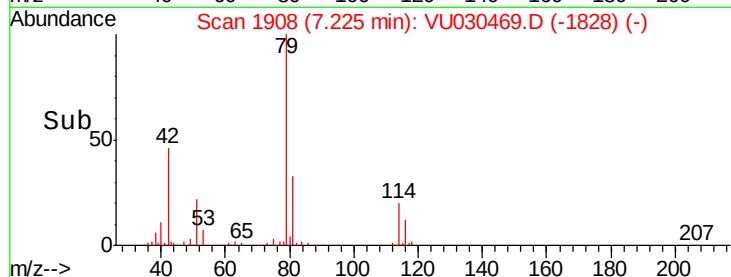
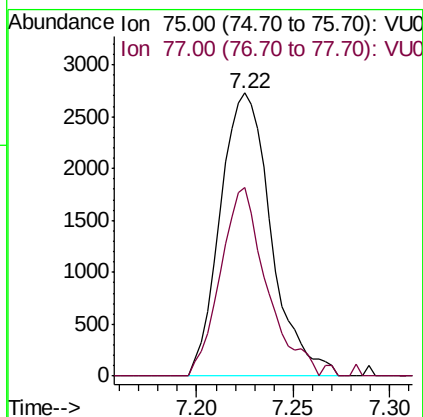
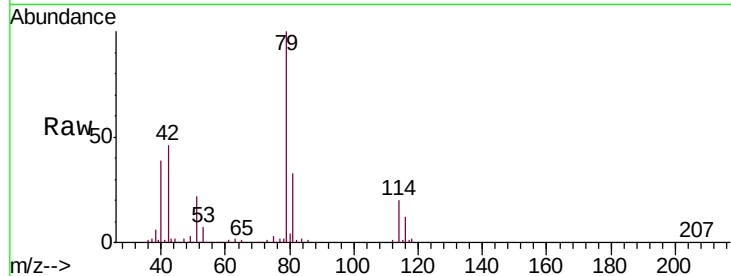




#39
 cis-1,3-Dichloropropene
 Concen: 0.812 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU030469.D
 Acq: 27 Mar 2019 01:23

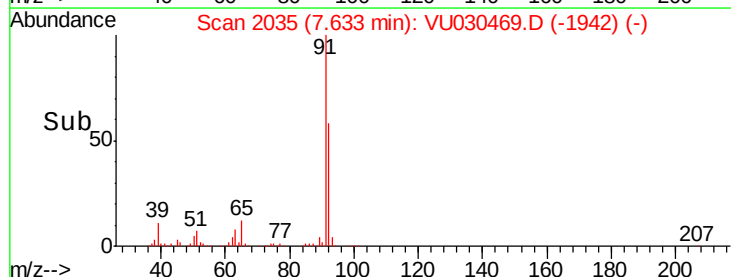
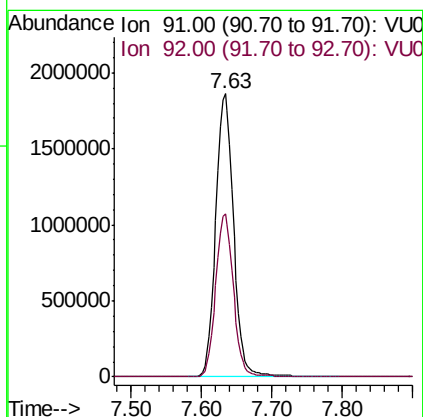
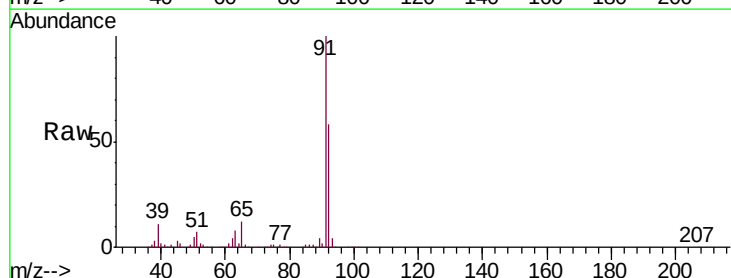
Instrument :
 MSVOA_U
 ClientSampleId :
 DB6S4

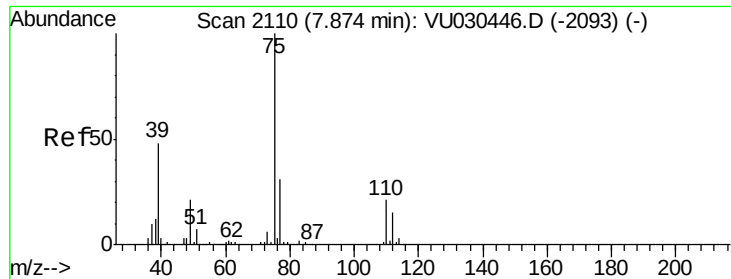
Tgt Ion: 75 Resp: 4998
 Ion Ratio Lower Upper
 75 100
 77 66.6 21.8 40.6#



#42
 Toluene
 Concen: 208.703 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VU030469.D
 Acq: 27 Mar 2019 01:23

Tgt Ion: 91 Resp: 3270181
 Ion Ratio Lower Upper
 91 100
 92 57.6 39.7 73.7

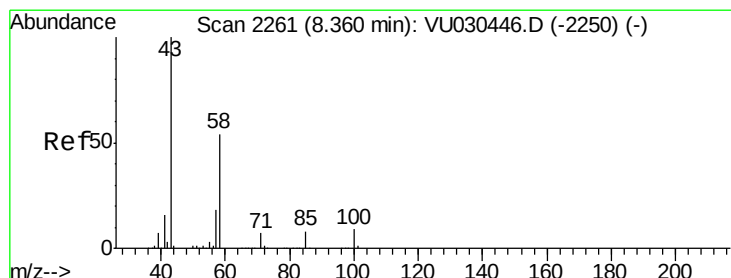
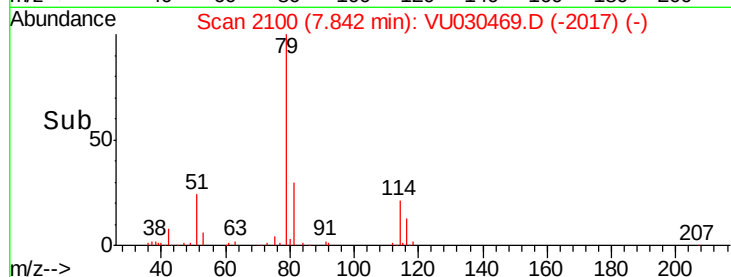
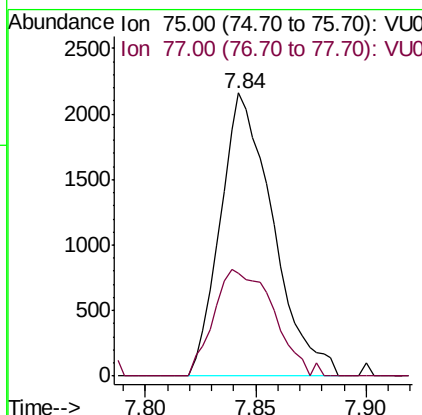
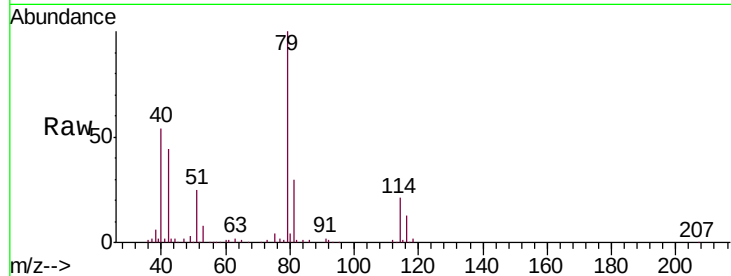




#44
 trans-1,3-Dichloropropene
 Concen: 0.659 ug/L
 RT: 7.84 min Scan# 2100
 Delta R.T. -0.03 min
 Lab File: VU030469.D
 Acq: 27 Mar 2019 01:23

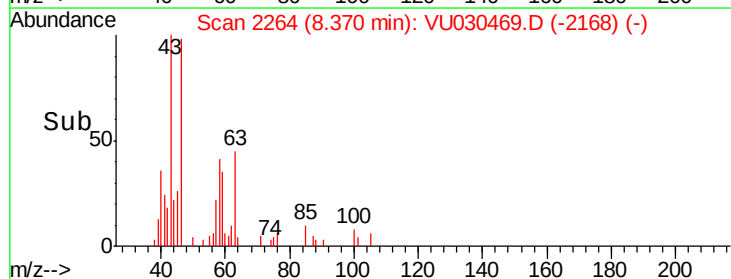
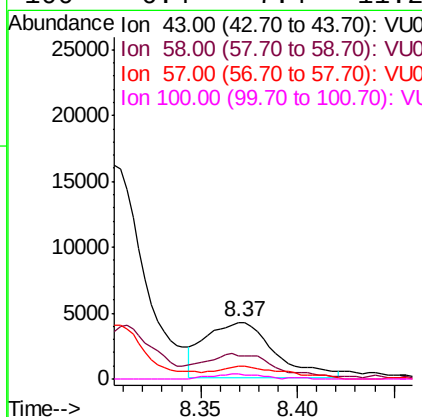
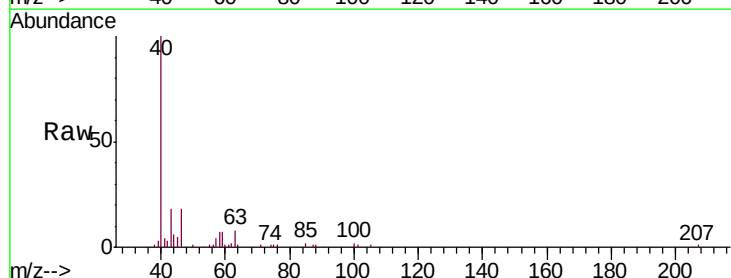
Instrument :
 MSVOA_U
 ClientSampleId :
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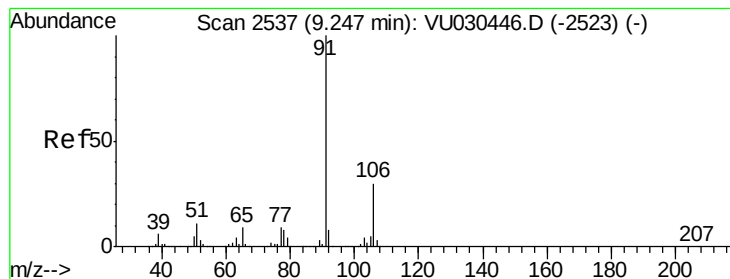
Tgt Ion: 75 Resp: 3573
 Ion Ratio Lower Upper
 75 100
 77 36.3 22.0 40.8



#48
 2-Hexanone
 Concen: 1.789 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. 0.01 min
 Lab File: VU030469.D
 Acq: 27 Mar 2019 01:23

Tgt Ion: 43 Resp: 10550
 Ion Ratio Lower Upper
 43 100
 58 10.8 42.5 63.7#
 57 5.5 15.0 22.6#
 100 6.4 7.4 11.2#





#52

Ethylbenzene

Concen: 37.827 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030469.D

Acq: 27 Mar 2019 01:23

Instrument :

MSVOA_U

ClientSampleId :

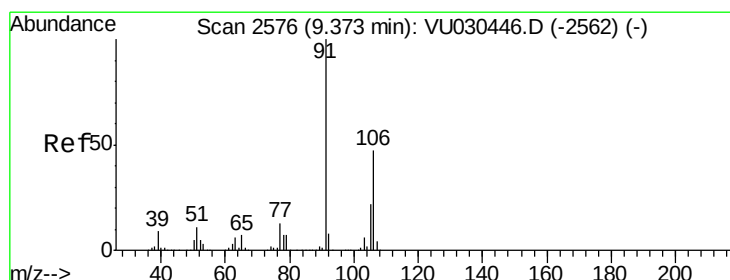
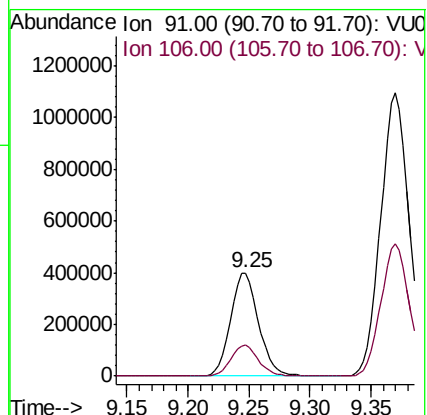
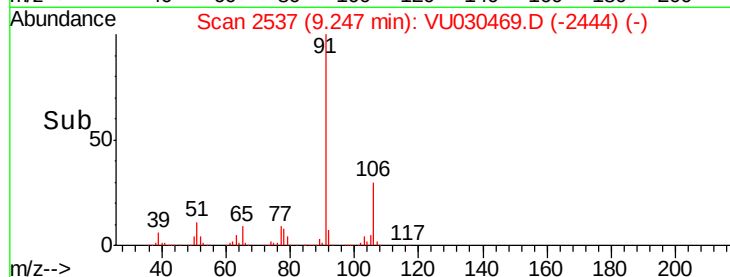
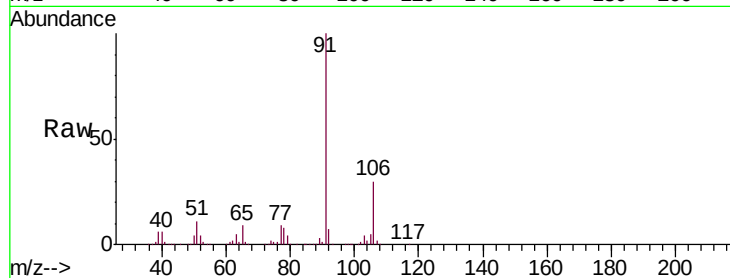
DB6S4

Tgt Ion: 91 Resp: 642067

Ion Ratio Lower Upper

91 100

106 29.9 20.6 38.2



#53

m,p-Xylene

Concen: 136.787 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU030469.D

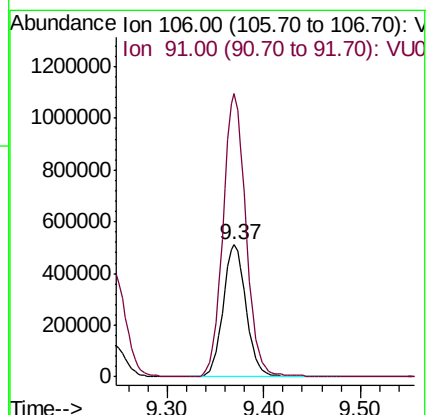
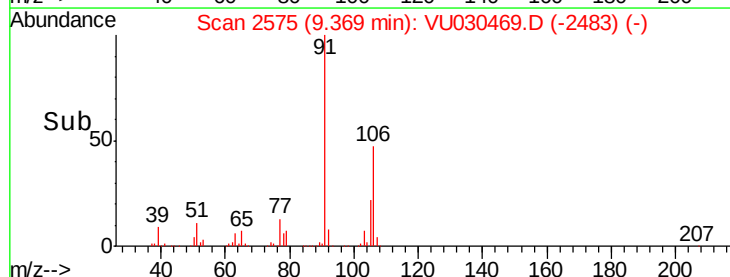
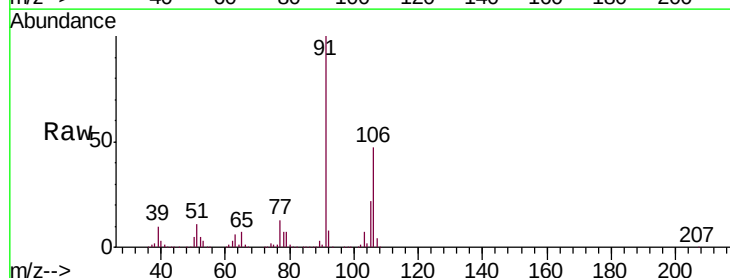
Acq: 27 Mar 2019 01:23

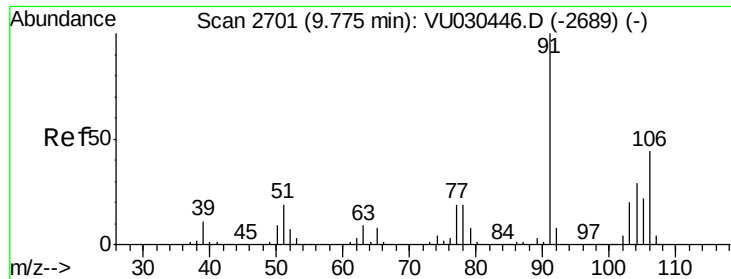
Tgt Ion: 106 Resp: 838343

Ion Ratio Lower Upper

106 100

91 214.3 151.2 280.8

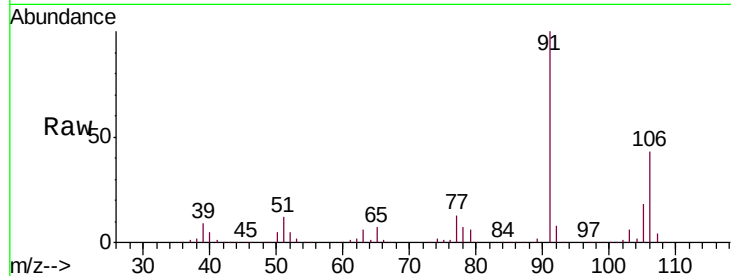




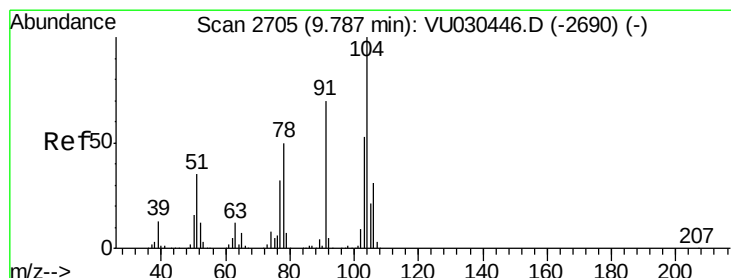
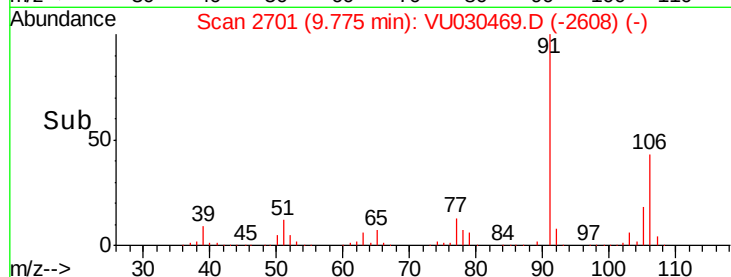
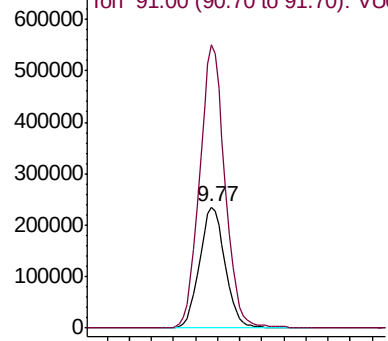
#54
o-xylene
Concen: 63.365 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030469.D
Acq: 27 Mar 2019 01:23

Instrument :
MSVOA_U
ClientSampleId :
DB6S4

Tgt Ion:106 Resp: 378932
Ion Ratio Lower Upper
106 100
91 233.2 159.6 296.4

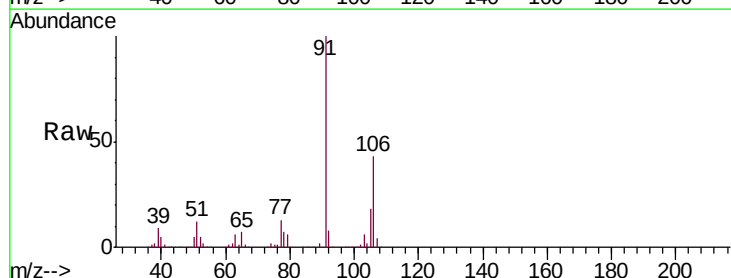


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

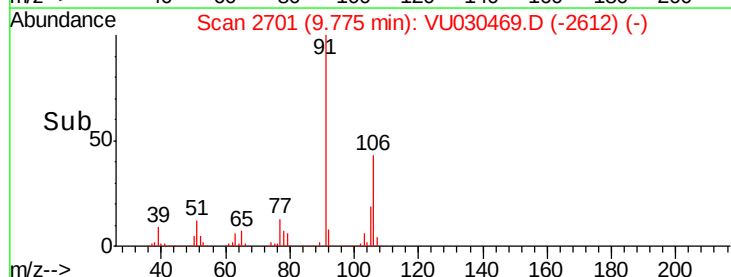
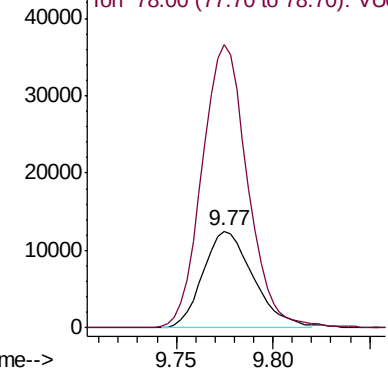


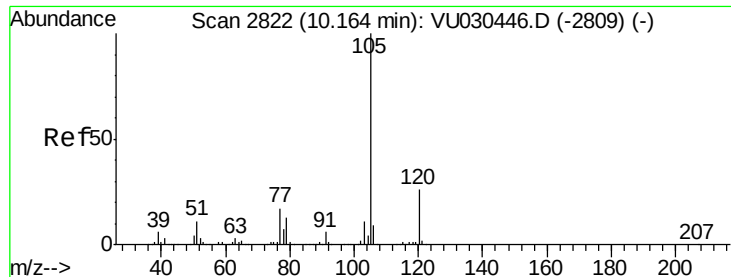
#55
Styrene
Concen: 2.202 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.01 min
Lab File: VU030469.D
Acq: 27 Mar 2019 01:23

Tgt Ion:104 Resp: 22683
Ion Ratio Lower Upper
104 100
78 291.4 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: 1.139 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030469.D

Acq: 27 Mar 2019 01:23

Instrument :

MSVOA_U

ClientSampled :

DB6S4

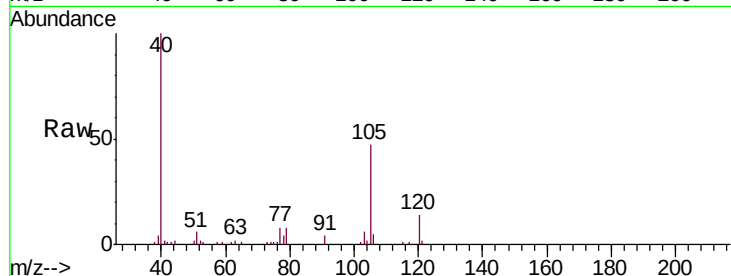
Tgt Ion: 105 Resp: 18033

Ion Ratio Lower Upper

105 100

120 27.4 20.2 30.2

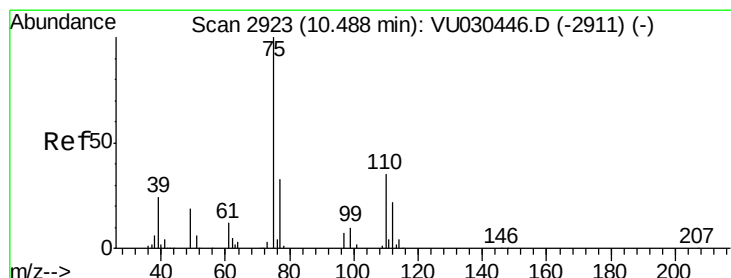
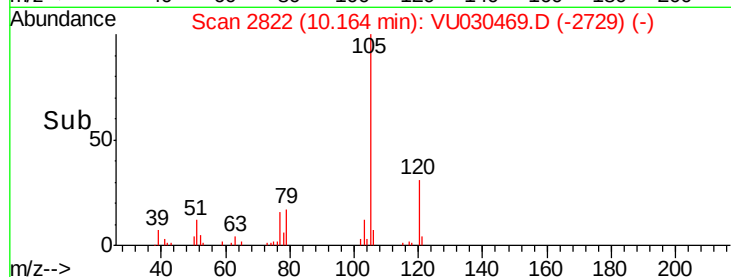
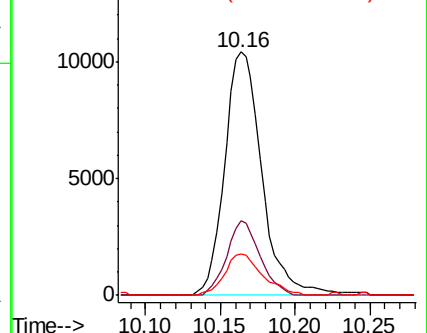
77 17.3 13.2 19.8



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: 4.913 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030469.D

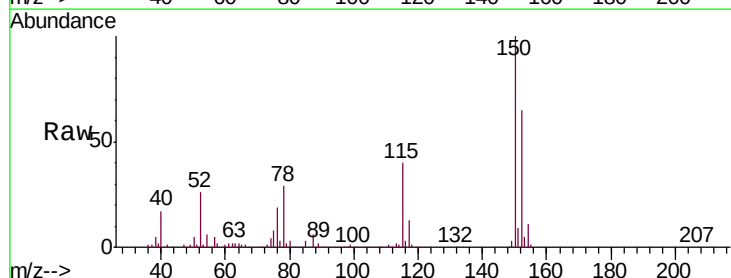
Acq: 27 Mar 2019 01:23

Tgt Ion: 75 Resp: 25622

Ion Ratio Lower Upper

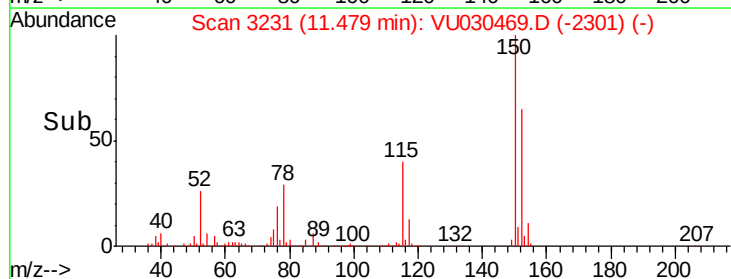
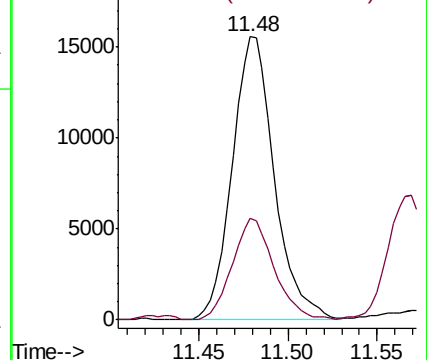
75 100

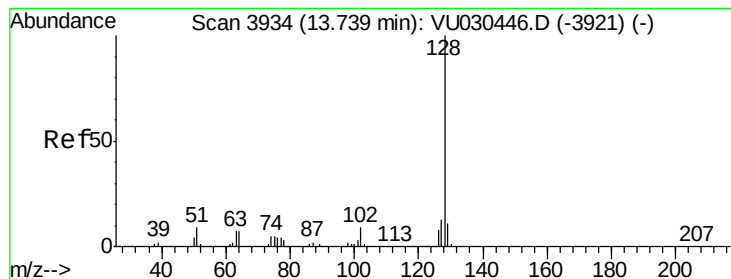
77 35.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#69

Naphthalene

Concen: 4.061 ug/L

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU030469.D

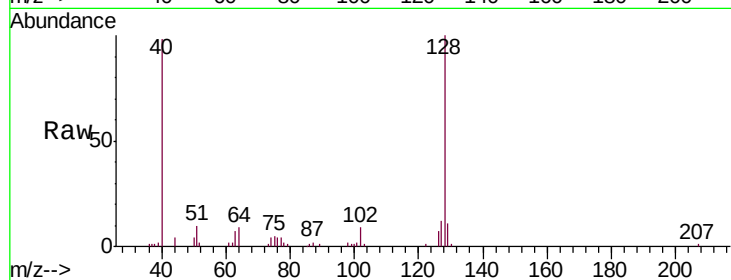
Acq: 27 Mar 2019 01:23

Instrument :

MSVOA_U

ClientSampleId :

DB6S4



Tgt Ion:128 Resp: 59938

Ion Ratio Lower Upper

128 100

127 10.8 10.4 15.6

129 8.5 8.4 12.6

