

Data File : VU030461.D
Acq On : 26 Mar 2019 22:14
Operator : JC/SP
Sample : K2063-06MS 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R7MS

Quant Time: Mar 27 06:06:28 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	447729	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	427965	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	188015	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	176219	48.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.82%
7) Chloroethane-d5	1.66	69	143784	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.68%
11) 1,1-Dichloroethene-d2	2.27	63	328136	48.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.02%
21) 2-Butanone-d5	4.17	46	359983	106.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.28%
24) Chloroform-d	4.64	84	307729	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.14%
26) 1,2-Dichloroethane-d4	5.31	65	210133	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
32) Benzene-d6	5.33	84	621233	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.24%
36) 1,2-Dichloropropane-d6	6.32	67	220832	52.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.18%
41) Toluene-d8	7.56	98	536539	48.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.36%
43) trans-1,3-Dichloropropene-	7.85	79	94469	47.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.70%
47) 2-Hexanone-d5	8.31	63	241545	106.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.15%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	309314	51.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	191682	50.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.76%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2553	0.781	ug/L #	24
12) 1,1-Dichloroethene	2.28	96	135382	42.262	ug/L	90
13) Acetone	2.32	43	2818	0.823	ug/L	89
27) 1,2-Dichloroethane	5.39	62	18277	3.553	ug/L #	75
29) Cyclohexane	4.99	56	17423	2.690	ug/L	94
33) Benzene	5.38	78	1583719	108.709	ug/L	100
34) Trichloroethene	6.18	95	151875	42.407	ug/L	98
35) Methylcyclohexane	6.41	83	10394	1.764	ug/L	92
39) cis-1,3-Dichloropropene	7.22	75	5345	0.899	ug/L #	47
42) Toluene	7.63	91	3708398	245.273	ug/L	99
48) 2-Hexanone	8.37	43	9774	1.717	ug/L #	76
50) 1,2-Dibromoethane	8.59	107	10997	2.933	ug/L #	97
51) Chlorobenzene	9.12	112	418075	45.625	ug/L	100
52) Ethylbenzene	9.25	91	400933	24.479	ug/L	98
53) m,p-Xylene	9.37	106	510150	86.263	ug/L	98
54) o-xylene	9.77	106	240988	41.763	ug/L	100
56) Isopropylbenzene	10.16	105	16043	1.050	ug/L	97

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

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Quant Time: Mar 27 06:06:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration

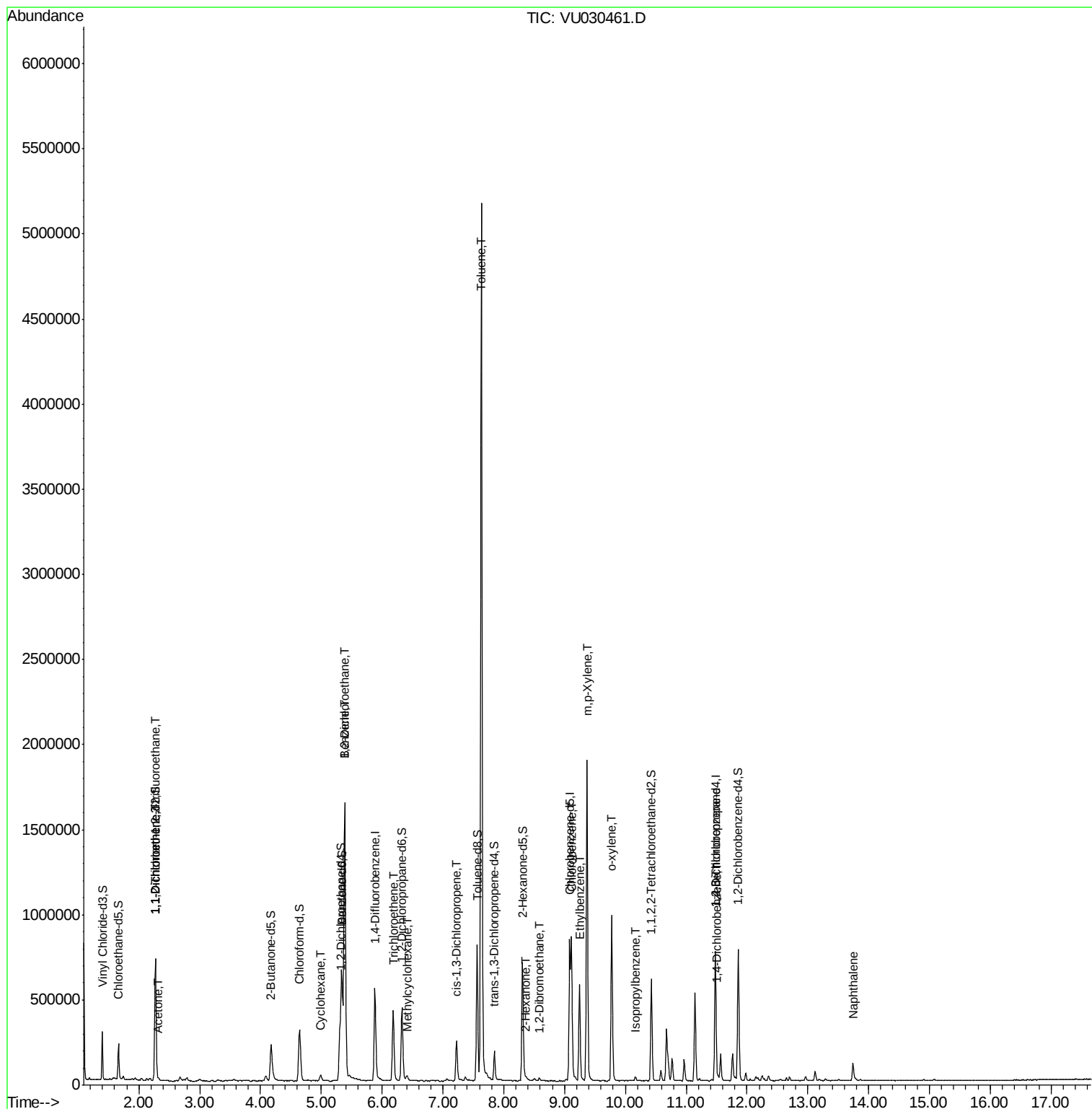
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	27278	5.421	ug/L	94
63) 1,4-Dichlorobenzene	11.50	146	4332	0.684	ug/L	90
69) Naphthalene	13.75	128	105831	7.442	ug/L	99

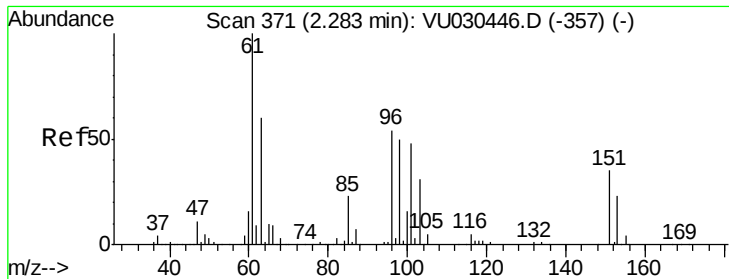
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
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#10

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

Concen: 0.781 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030461.D

Acq: 26 Mar 2019 22:14

Instrument :

MSVOA_U

ClientSampleId :

DB6R7MS

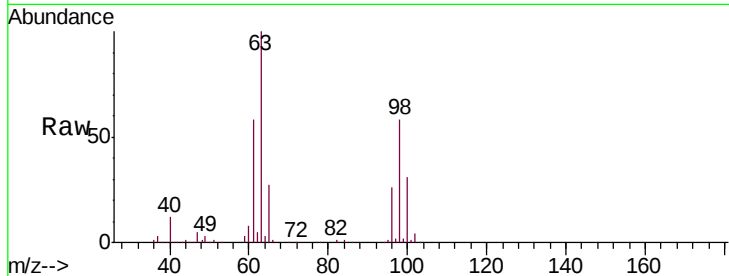
Tgt Ion: 101 Resp: 2553

Ion Ratio Lower Upper

101 100

85 4.1 34.8 52.2#

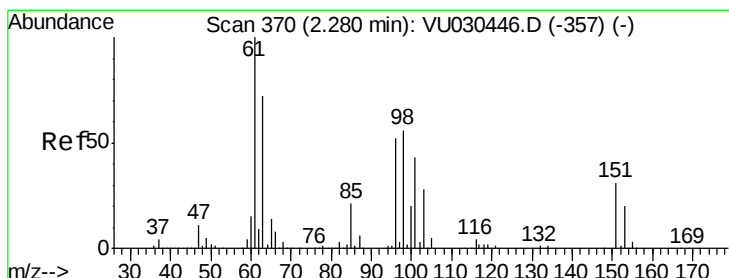
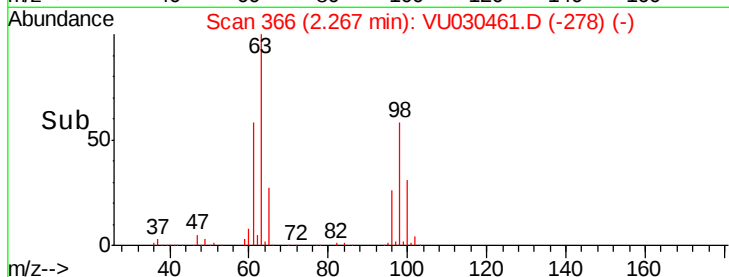
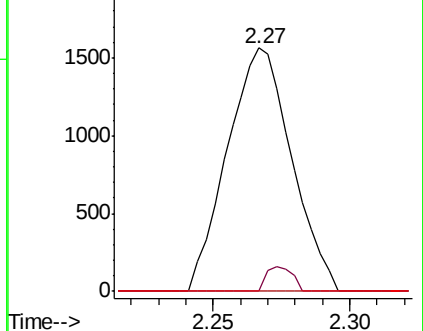
151 0.0 56.6 85.0#



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: 42.262 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU030461.D

Acq: 26 Mar 2019 22:14

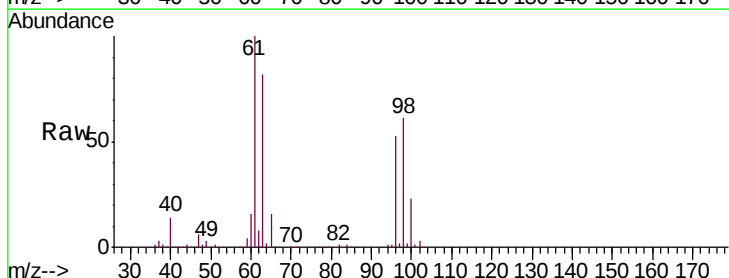
Tgt Ion: 96 Resp: 135382

Ion Ratio Lower Upper

96 100

61 190.5 131.0 243.4

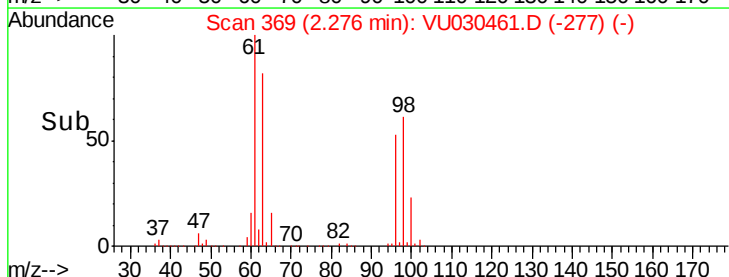
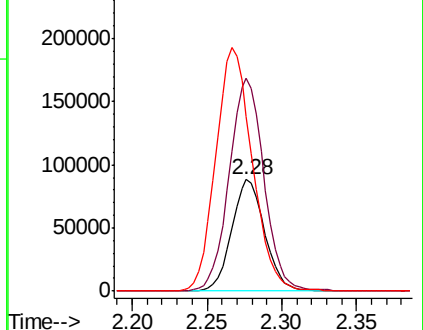
63 156.6 92.4 171.6

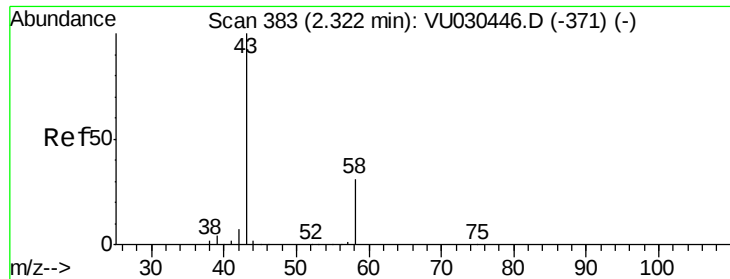


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.823 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU030461.D

Acq: 26 Mar 2019 22:14

Instrument :

MSVOA_U

ClientSampleId :

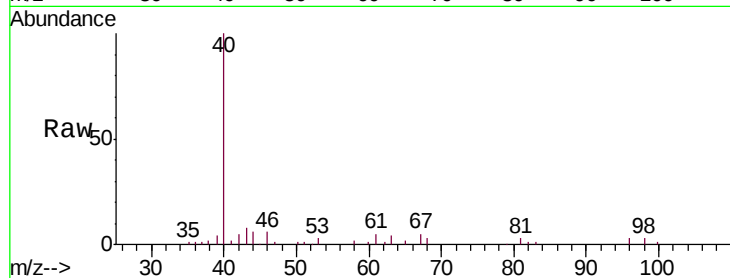
DB6R7MS

Tgt Ion: 43 Resp: 2818

Ion Ratio Lower Upper

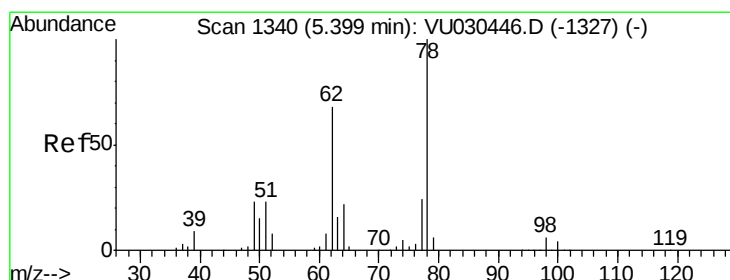
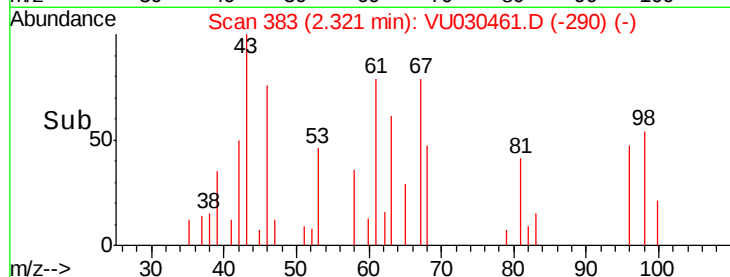
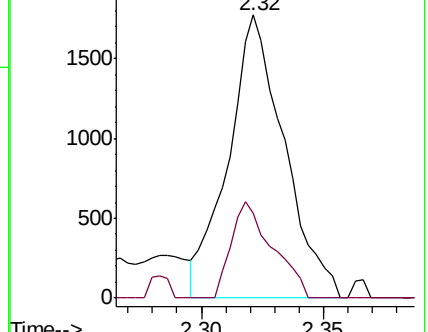
43 100

58 25.3 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) (-)



#27

1,2-Dichloroethane

Concen: 3.553 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VU030461.D

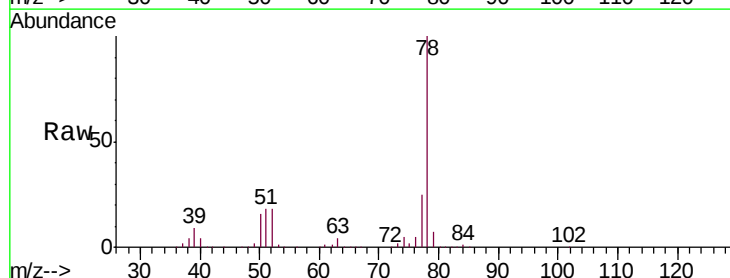
Acq: 26 Mar 2019 22:14

Tgt Ion: 62 Resp: 18277

Ion Ratio Lower Upper

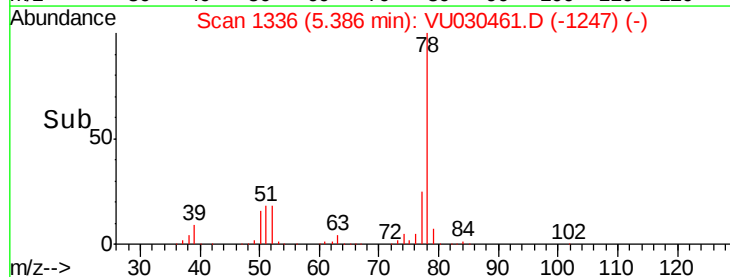
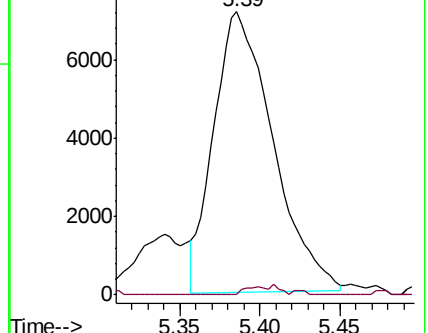
62 100

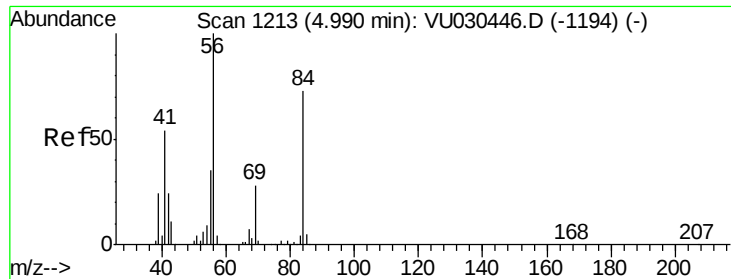
98 0.0 7.2 10.8#



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

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

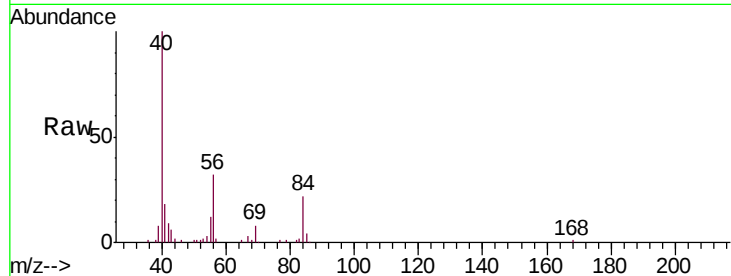




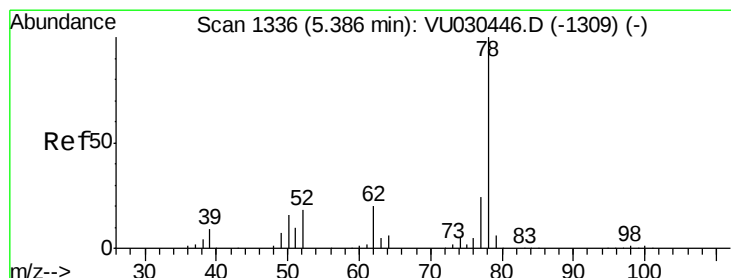
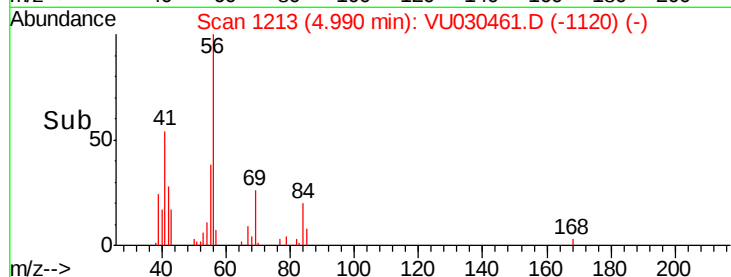
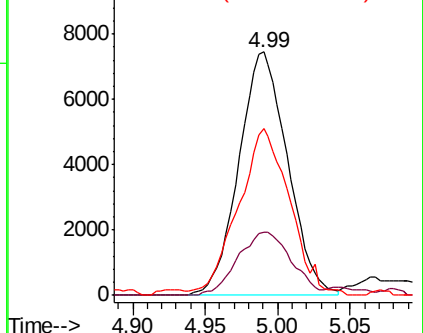
#29
Cyclohexane
Concen: 2.690 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. -0.00 min
Lab File: VU030461.D
Acq: 26 Mar 2019 22:14

Instrument :
MSVOA_U
ClientSampleId :
DB6R7MS

Tgt Ion: 56 Resp: 17423
Ion Ratio Lower Upper
56 100
69 28.2 22.9 34.3
84 66.5 58.9 88.3

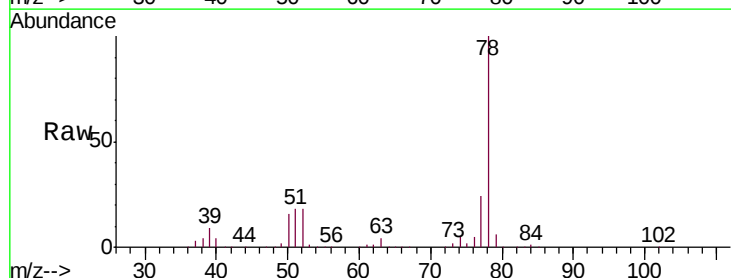


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

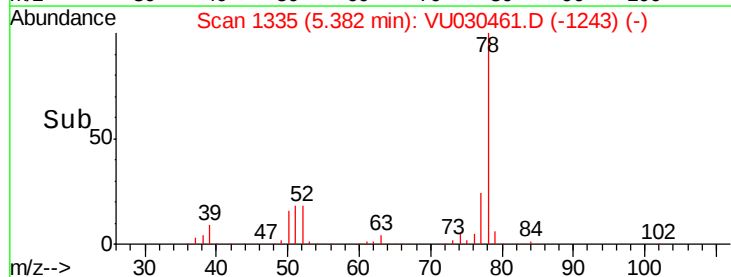
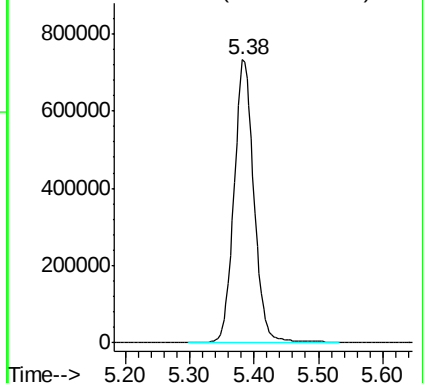


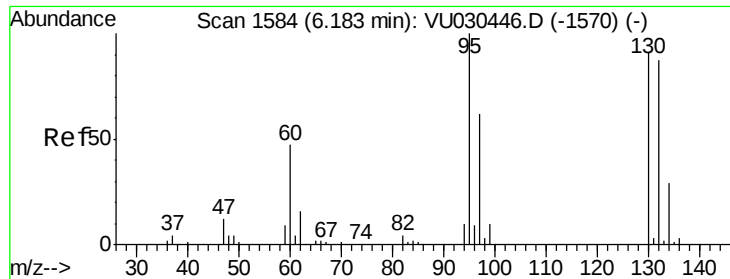
#33
Benzene
Concen: 108.709 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU030461.D
Acq: 26 Mar 2019 22:14

Tgt Ion: 78 Resp: 1583719



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 42.407 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU030461.D

Acq: 26 Mar 2019 22:14

Instrument :

MSVOA_U

ClientSampleId :

DB6R7MS

Tgt Ion: 95 Resp: 151875

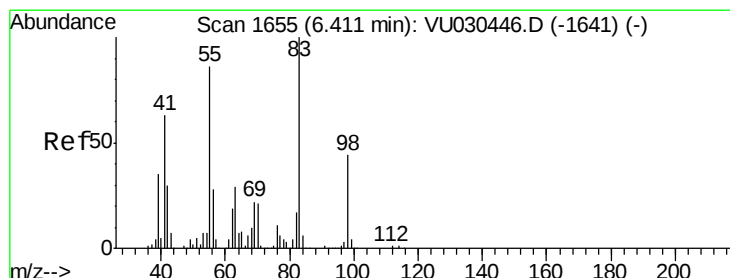
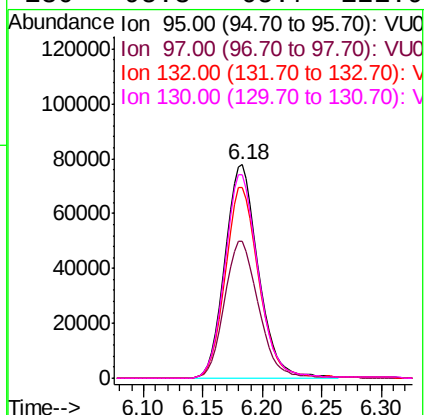
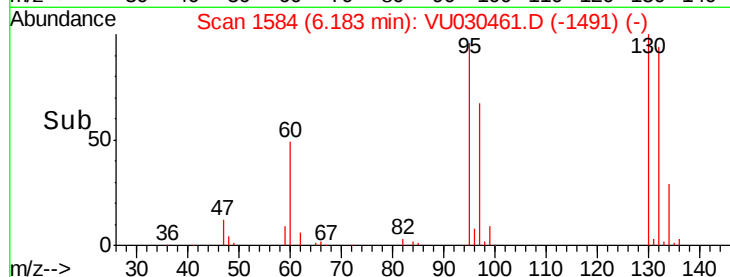
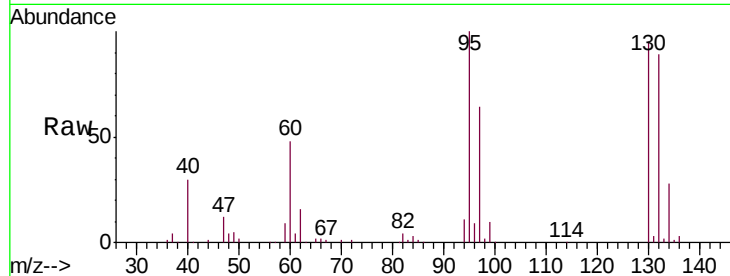
Ion Ratio Lower Upper

95 100

97 64.1 45.7 84.9

132 89.2 63.8 118.4

130 95.3 65.7 121.9



#35

Methylcyclohexane

Concen: 1.764 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU030461.D

Acq: 26 Mar 2019 22:14

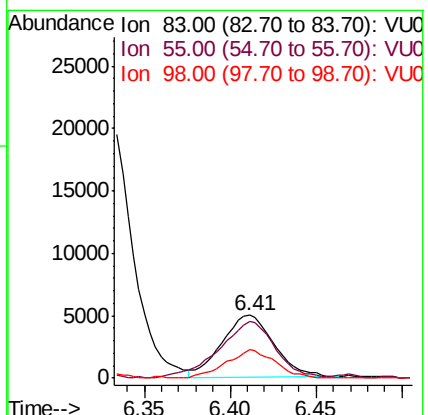
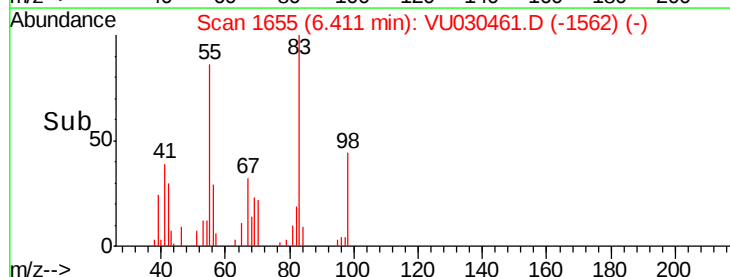
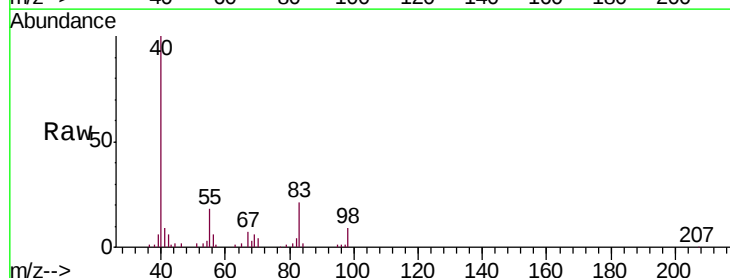
Tgt Ion: 83 Resp: 10394

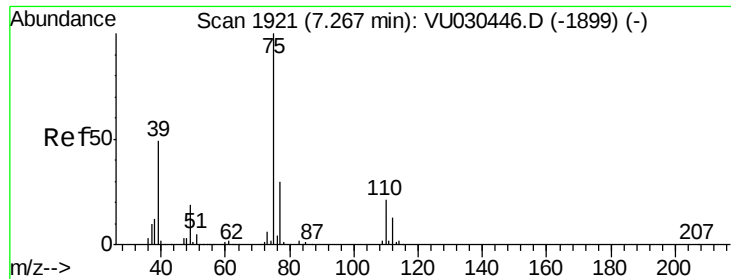
Ion Ratio Lower Upper

83 100

55 99.1 71.4 107.0

98 42.9 36.0 54.0

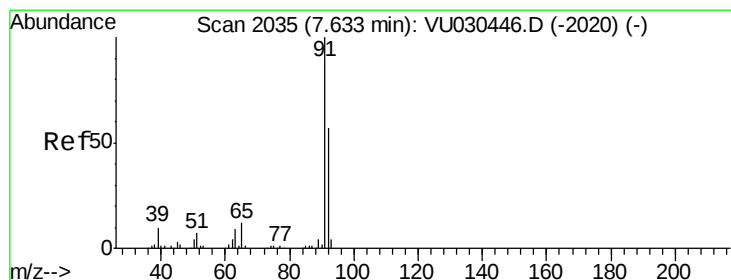
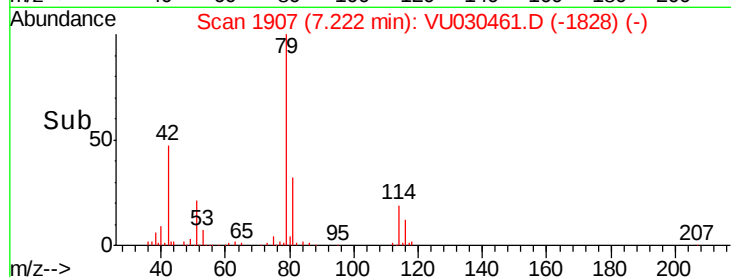
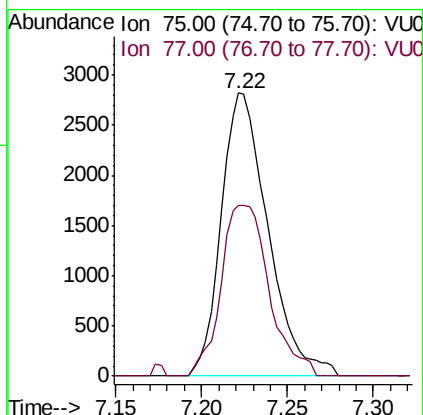
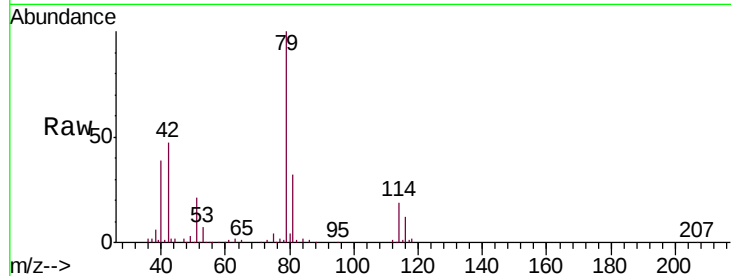




#39
 cis-1,3-Dichloropropene
 Concen: 0.899 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.05 min
 Lab File: VU030461.D
 Acq: 26 Mar 2019 22:14

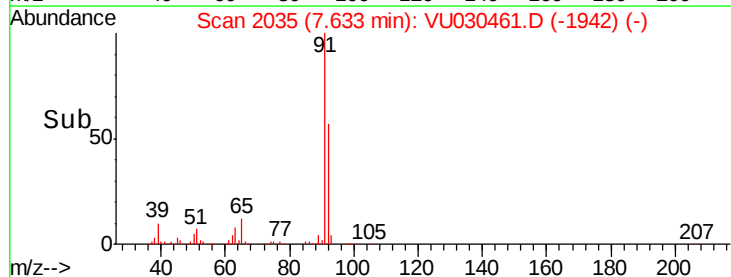
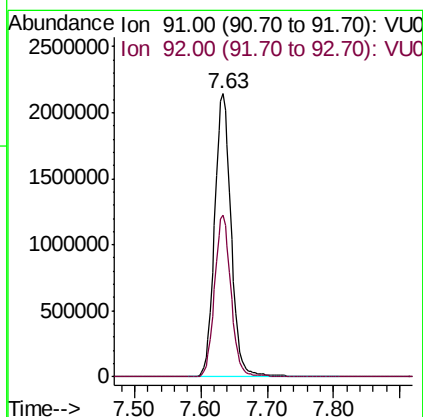
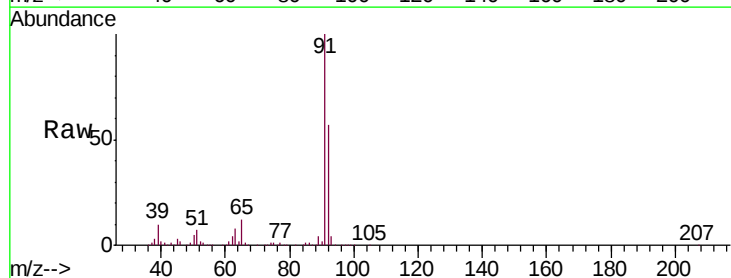
Instrument :
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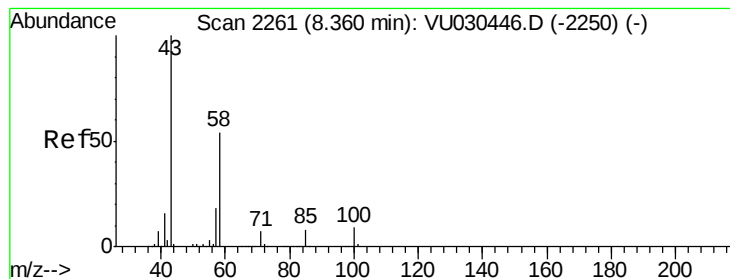
Tgt Ion: 75 Resp: 5345
 Ion Ratio Lower Upper
 75 100
 77 60.3 21.8 40.6#



#42
 Toluene
 Concen: 245.273 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VU030461.D
 Acq: 26 Mar 2019 22:14

Tgt Ion: 91 Resp: 3708398
 Ion Ratio Lower Upper
 91 100
 92 57.2 39.7 73.7





#48

2-Hexanone

Concen: 1.717 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU030461.D

Acq: 26 Mar 2019 22:14

Instrument :

MSVOA_U

ClientSampleId :

DB6R7MS

Tgt Ion: 43 Resp: 9774

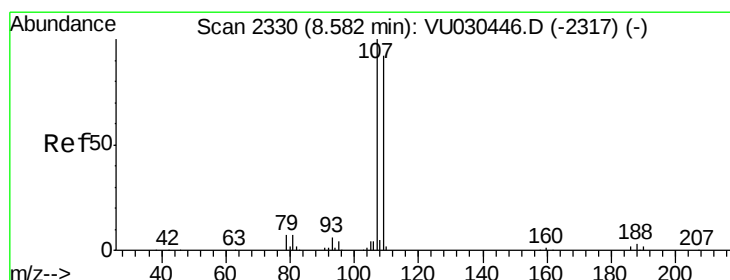
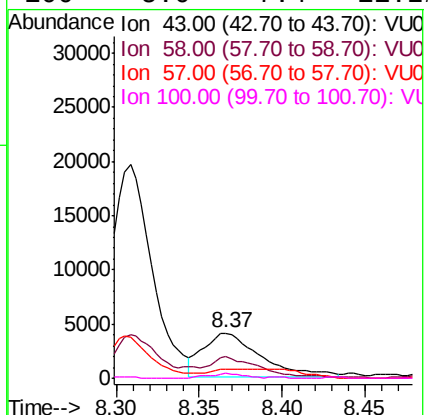
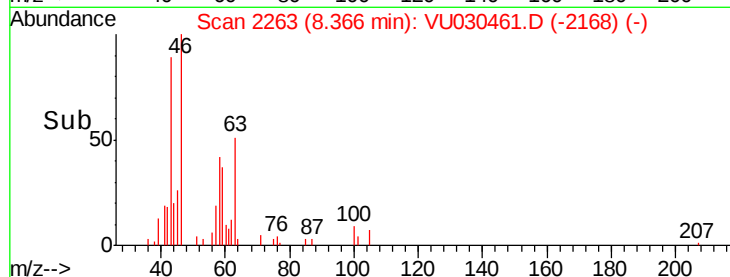
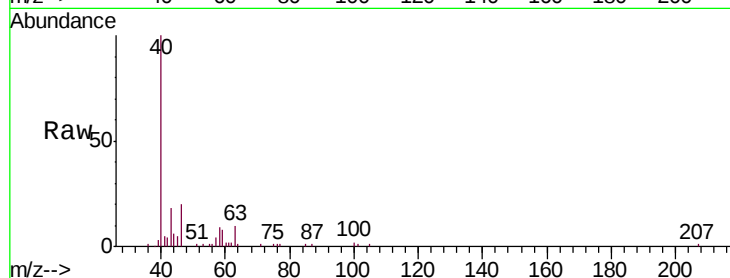
Ion Ratio Lower Upper

43 100

58 37.4 42.5 63.7#

57 2.8 15.0 22.6#

100 5.0 7.4 11.2#



#50

1,2-Dibromoethane

Concen: 2.933 ug/L

RT: 8.59 min Scan# 2332

Delta R.T. 0.01 min

Lab File: VU030461.D

Acq: 26 Mar 2019 22:14

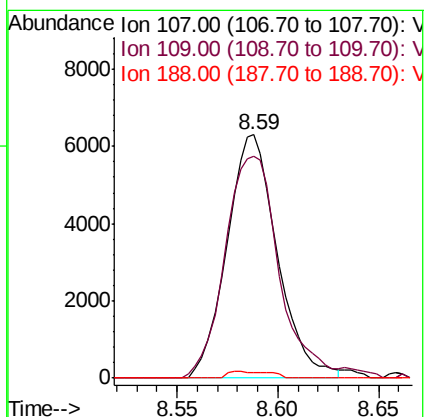
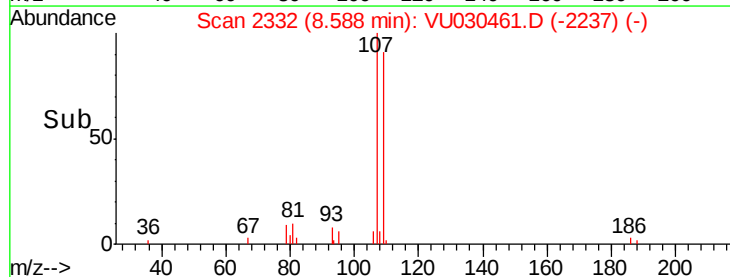
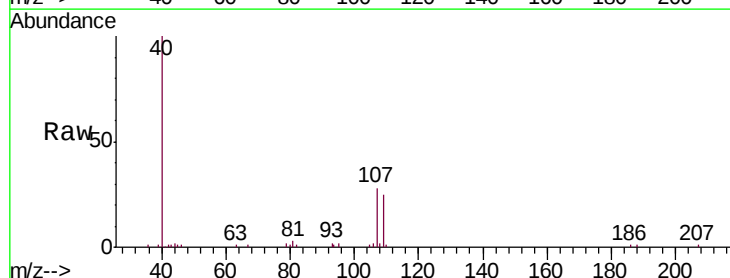
Tgt Ion: 107 Resp: 10997

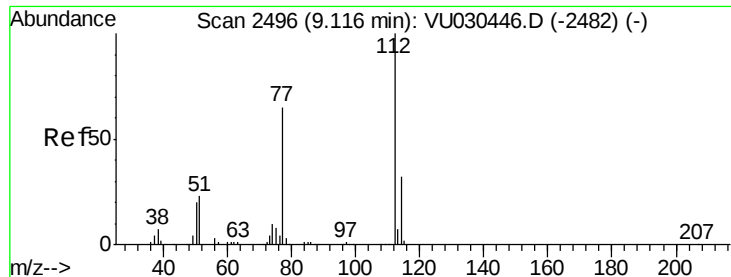
Ion Ratio Lower Upper

107 100

109 91.2 65.8 122.2

188 2.3 2.6 4.0#

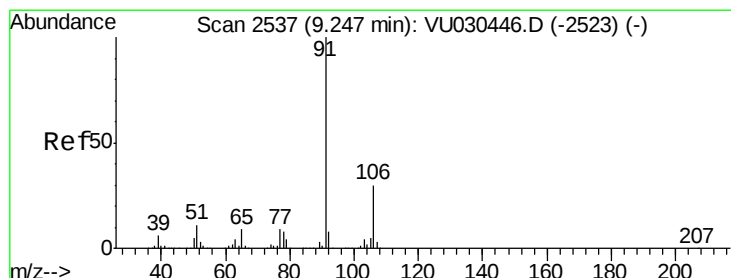
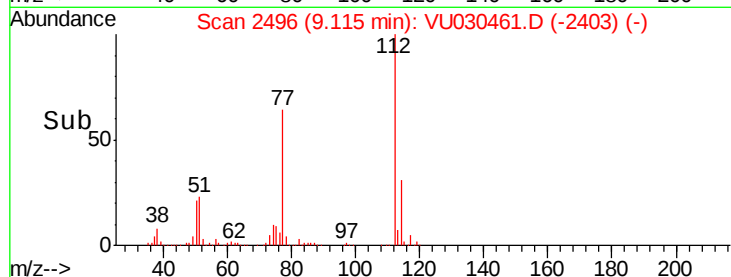
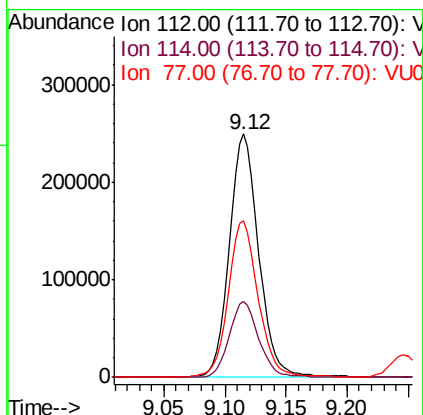
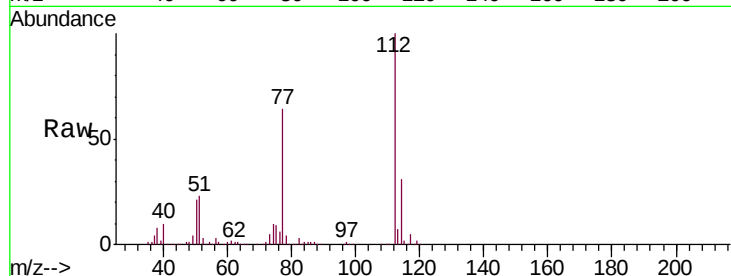




#51
Chlorobenzene
Concen: 45.625 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030461.D
Acq: 26 Mar 2019 22:14

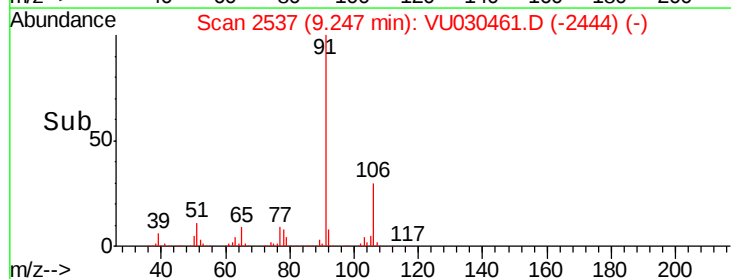
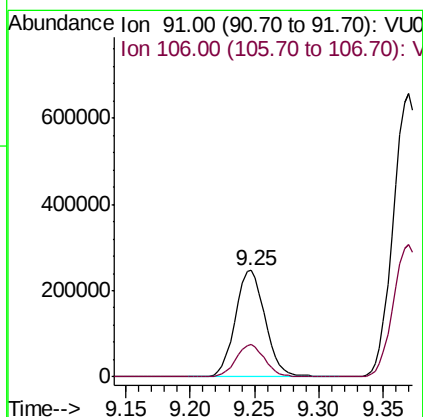
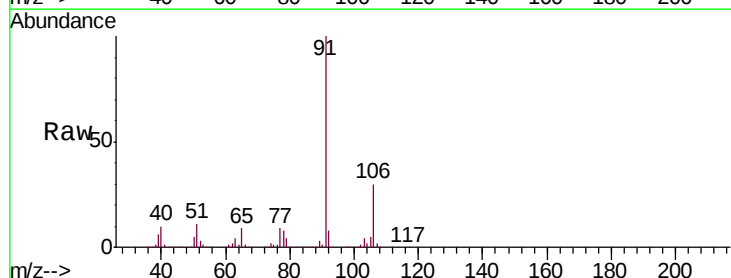
Instrument :
MSVOA_U
ClientSampleId :
DB6R7MS

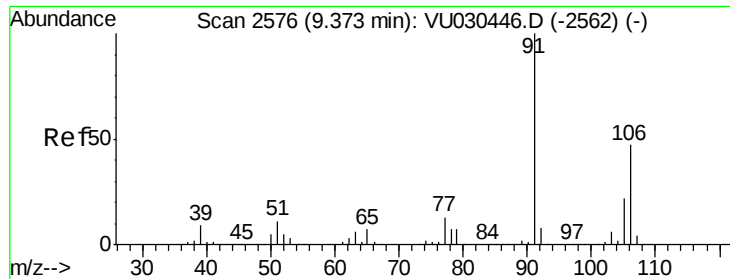
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	21.5	39.9
77	64.2	51.4	77.0



#52
Ethylbenzene
Concen: 24.479 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030461.D
Acq: 26 Mar 2019 22:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	20.6	38.2

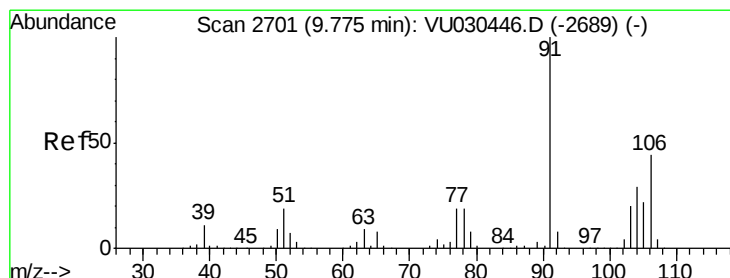
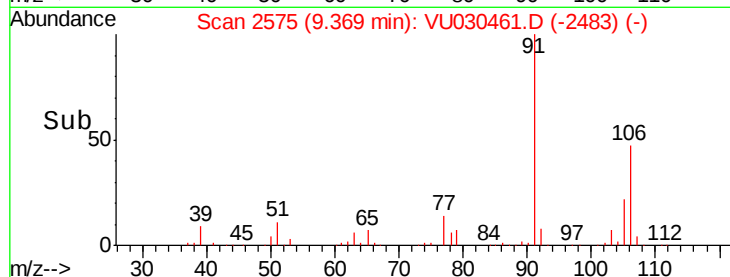
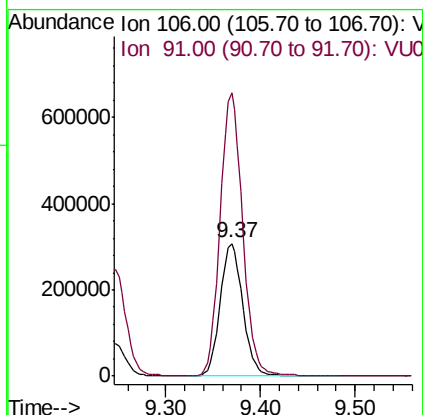
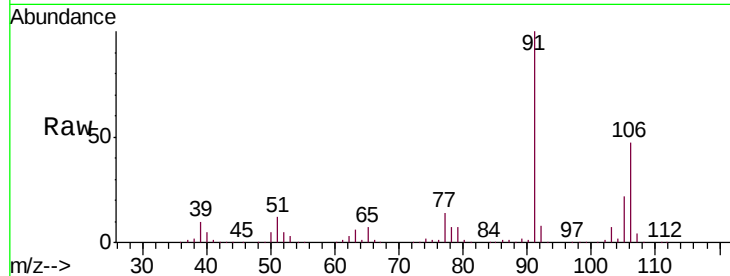




#53
m,p-Xylene
Concen: 86.263 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030461.D
Acq: 26 Mar 2019 22:14

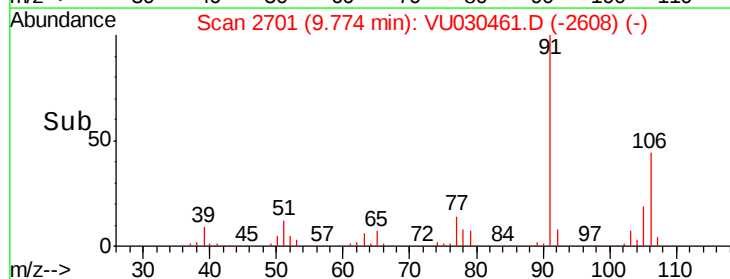
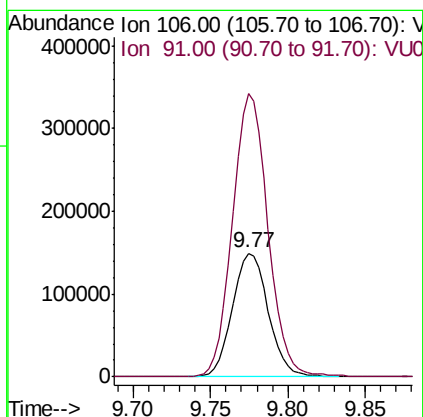
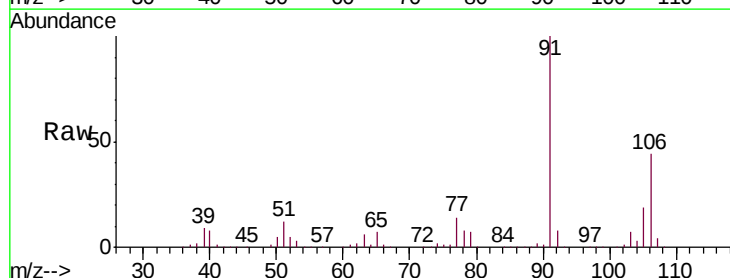
Instrument :
MSVOA_U
ClientSampleId :
DB6R7MS

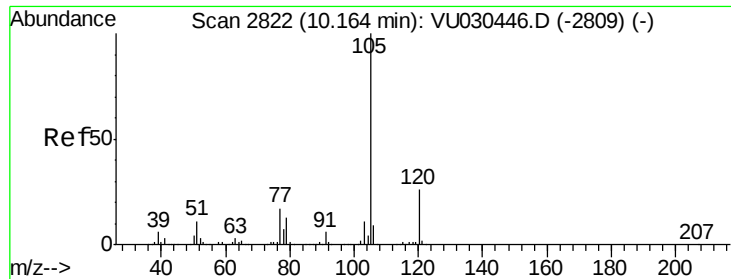
Tgt Ion:106 Resp: 510150
Ion Ratio Lower Upper
106 100
91 213.2 151.2 280.8



#54
o-xylene
Concen: 41.763 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU030461.D
Acq: 26 Mar 2019 22:14

Tgt Ion:106 Resp: 240988
Ion Ratio Lower Upper
106 100
91 228.6 159.6 296.4





#56

Isopropylbenzene

Concen: 1.050 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030461.D

Acq: 26 Mar 2019 22:14

Instrument :

MSVOA_U

ClientSampleId :

DB6R7MS

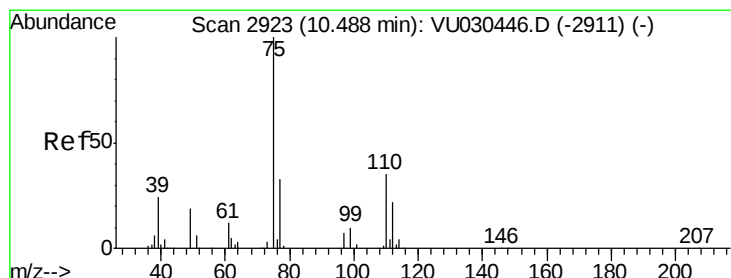
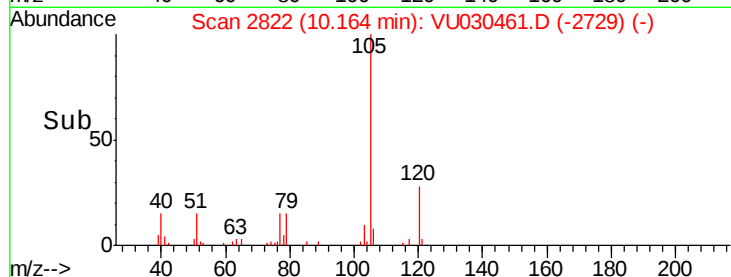
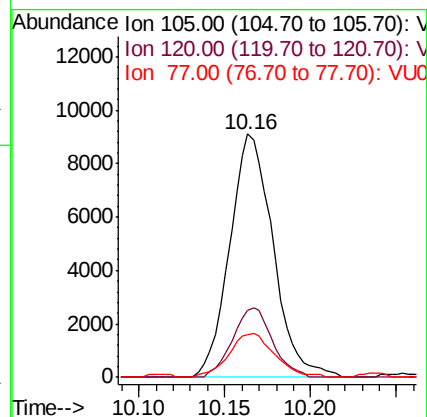
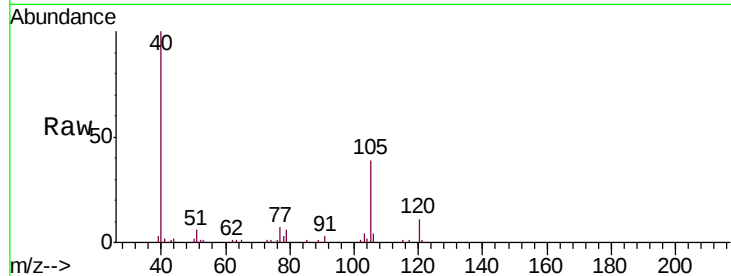
Tgt Ion: 105 Resp: 16043

Ion Ratio Lower Upper

105 100

120 26.1 20.2 30.2

77 18.8 13.2 19.8



#59

1,2,3-Trichloropropane

Concen: 5.421 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030461.D

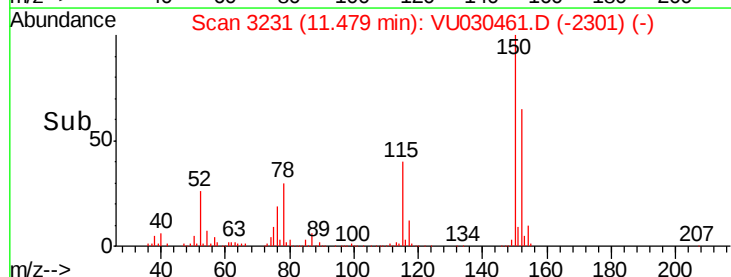
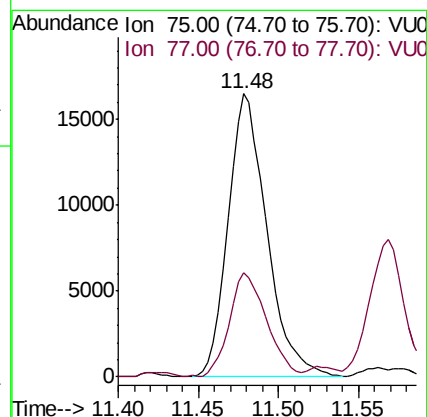
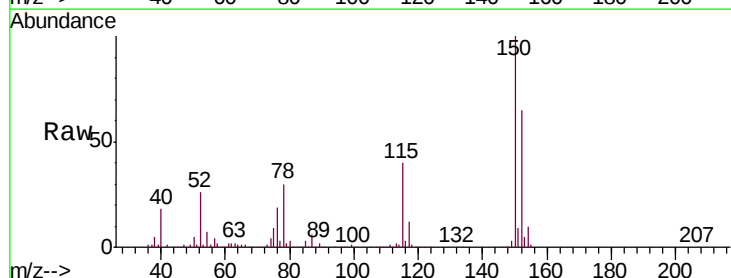
Acq: 26 Mar 2019 22:14

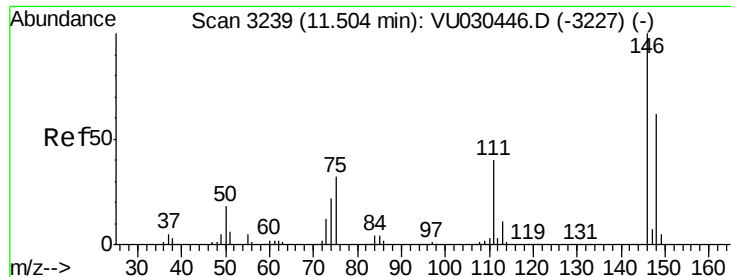
Tgt Ion: 75 Resp: 27278

Ion Ratio Lower Upper

75 100

77 35.3 25.4 38.2

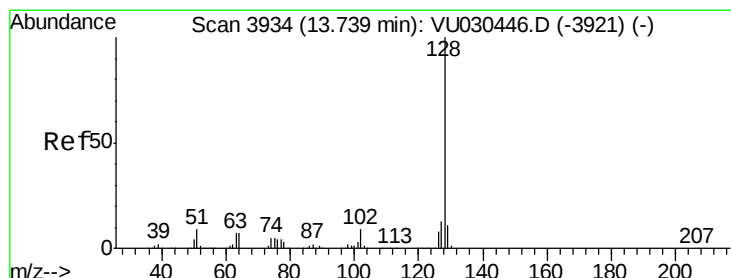
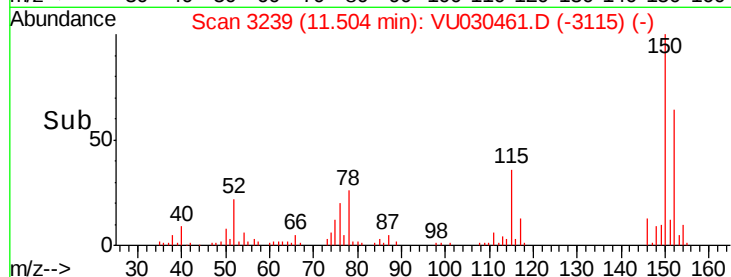
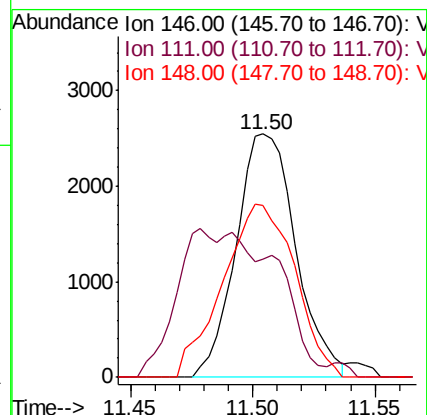
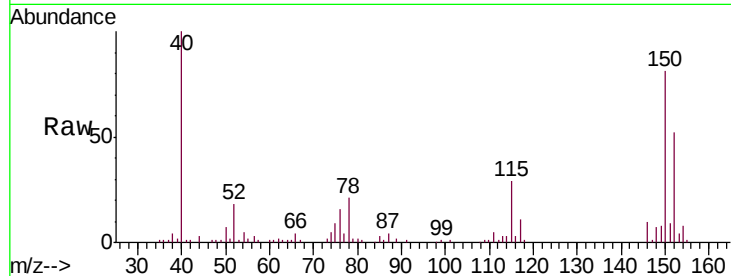




#63
 1,4-Dichlorobenzene
 Concen: 0.684 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030461.D
 Acq: 26 Mar 2019 22:14

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6R7MS

Tgt Ion:146 Resp: 4332
 Ion Ratio Lower Upper
 146 100
 111 48.7 28.7 53.3
 148 70.5 44.3 82.3



#69
 Naphthalene
 Concen: 7.442 ug/L
 RT: 13.75 min Scan# 3936
 Delta R.T. 0.01 min
 Lab File: VU030461.D
 Acq: 26 Mar 2019 22:14

Tgt Ion:128 Resp: 105831
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.4 15.6
 129 9.9 8.4 12.6

