

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
 Data File : VU032523.D
 Acq On : 07 Jun 2019 02:07
 Operator : JC/SP
 Sample : K3215-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8J7

Quant Time: Jun 07 07:23:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 07 07:01:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	186477	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	178405	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93466	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	36611	30.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	60.52%
7) Chloroethane-d5	1.68	69	35654	36.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.34%
11) 1,1-Dichloroethene-d2	2.27	63	61270	25.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	51.74%#
21) 2-Butanone-d5	4.17	46	129256	127.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.66%
24) Chloroform-d	4.64	84	100962	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.48%
26) 1,2-Dichloroethane-d4	5.30	65	69223	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.40%
32) Benzene-d6	5.33	84	202216	43.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.32%
36) 1,2-Dichloropropane-d6	6.32	67	67513	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.98%
41) Toluene-d8	7.56	98	189850	43.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.46%
43) trans-1,3-Dichloropropene-	7.85	79	29556	42.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.06%
47) 2-Hexanone-d5	8.31	63	92882	131.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	131.85%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	115234	54.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.52%
64) 1,2-Dichlorobenzene-d4	11.85	152	89576	50.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.08%

Target Compounds

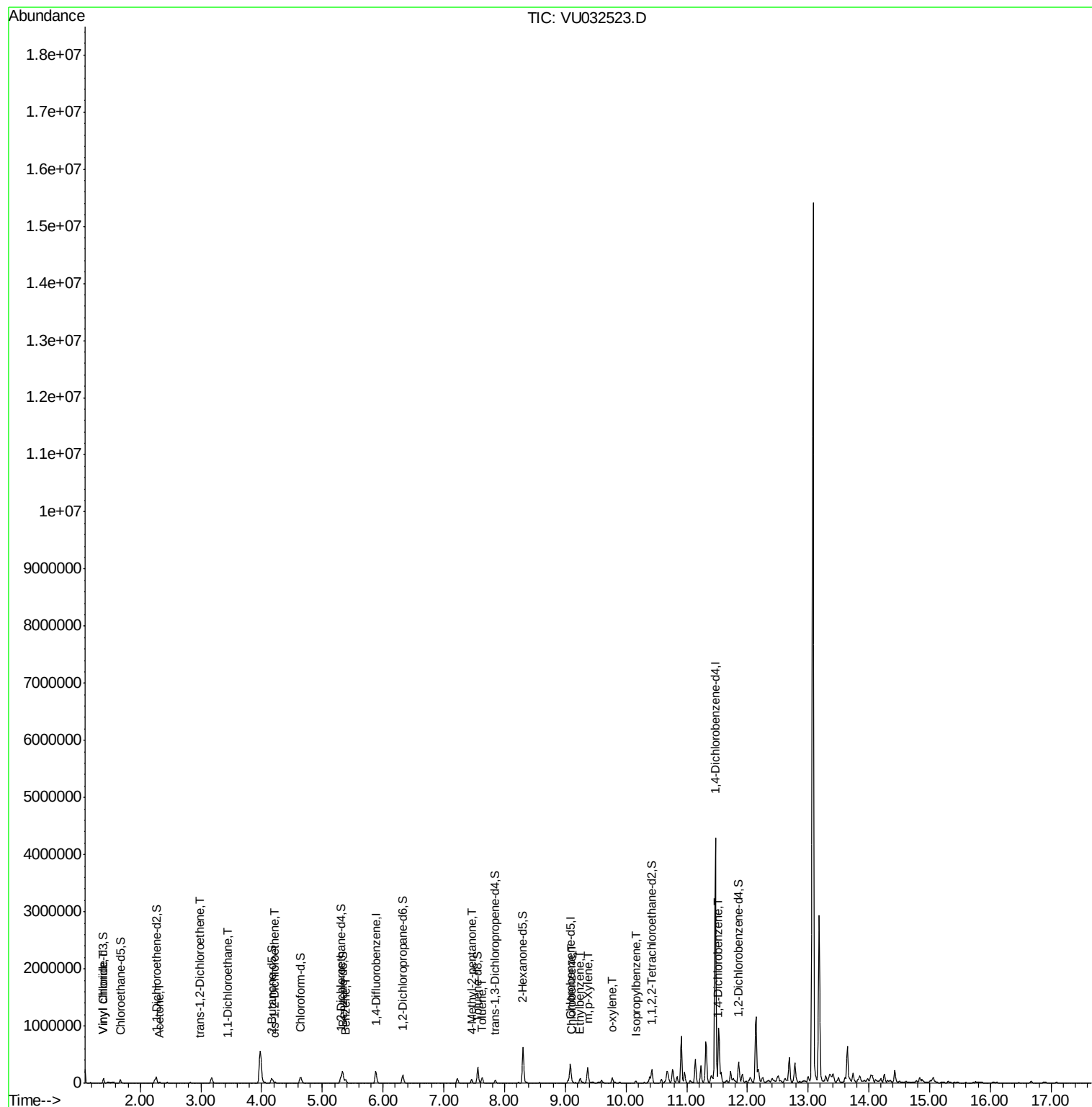
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	10557	6.506	ug/L #	67
13) Acetone	2.32	43	12619	12.079	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	3052	2.545	ug/L	87
19) 1,1-Dichloroethane	3.44	63	8486	3.882	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	2608	1.922	ug/L	94
33) Benzene	5.39	78	52462	10.466	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	48164	22.531	ug/L	99
42) Toluene	7.63	91	73401	13.371	ug/L	100
51) Chlorobenzene	9.12	112	10340	2.924	ug/L	99
52) Ethylbenzene	9.24	91	60008	9.807	ug/L	99
53) m,p-Xylene	9.37	106	61408	26.392	ug/L	98
54) o-xylene	9.77	106	27610	11.951	ug/L	94
56) Isopropylbenzene	10.16	105	26220	4.304	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	2034	0.704	ug/L	92

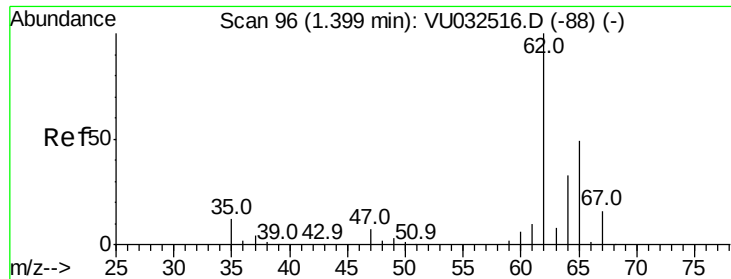
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 07 07:01:53 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.506 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032523.D

Acq: 07 Jun 2019 02:07

Instrument :

MSVOA_U

ClientSampleId :

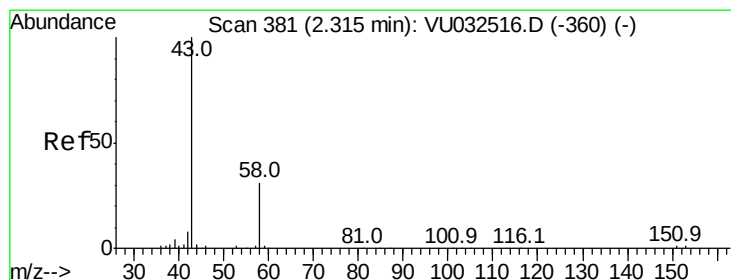
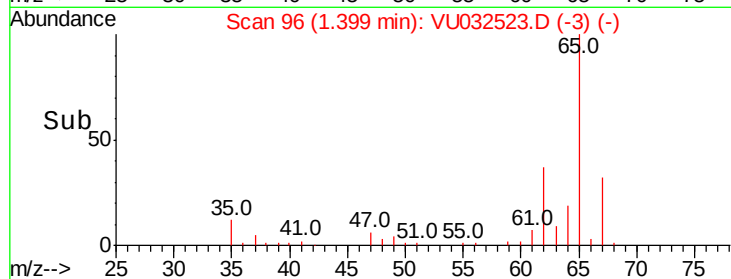
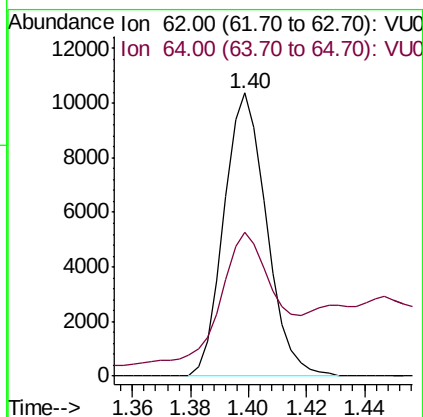
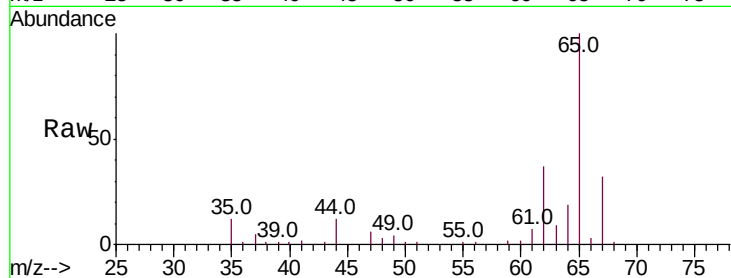
DB8J7

Tot Ion: 62 Resp: 10557

Ion Ratio Lower Upper

62 100

64 50.9 22.6 42.0#



#13

Acetone

Concen: 12.079 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032523.D

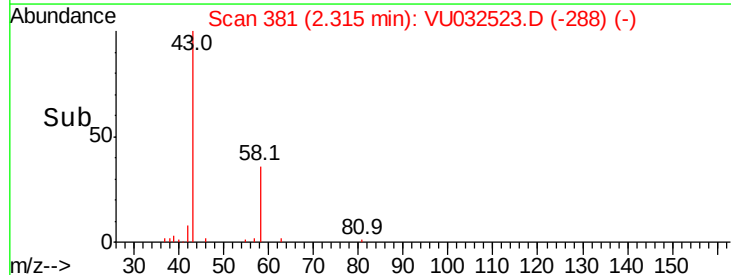
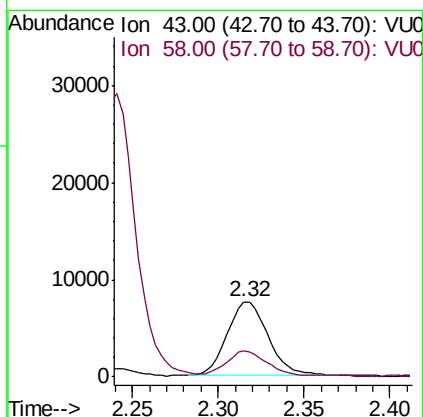
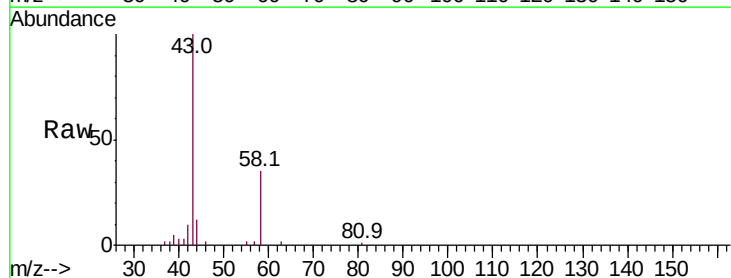
Acq: 07 Jun 2019 02:07

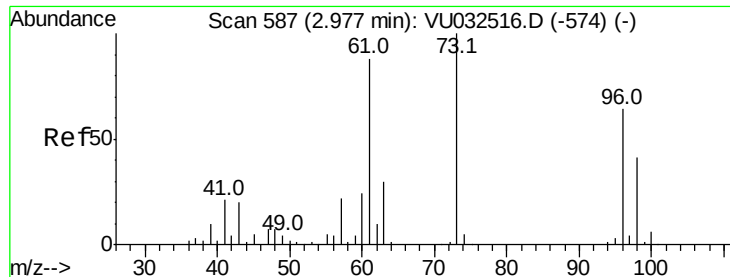
Tgt Ion: 43 Resp: 12619

Ion Ratio Lower Upper

43 100

58 32.9 0.0 64.0





#17

trans-1,2-Dichloroethene

Concen: 2.545 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU032523.D

Acq: 07 Jun 2019 02:07

Instrument :

MSVOA_U

ClientSampleId :

DB8J7

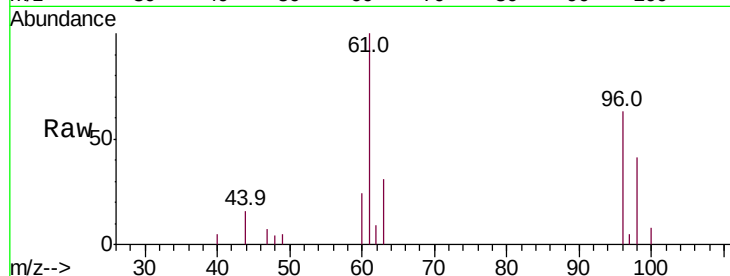
Tot Ion: 96 Resp: 3052

Ion Ratio Lower Upper

96 100

61 157.9 95.7 177.7

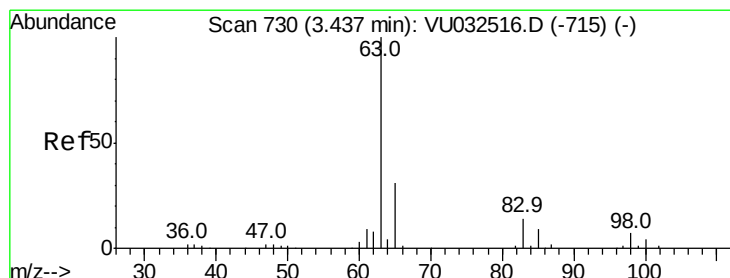
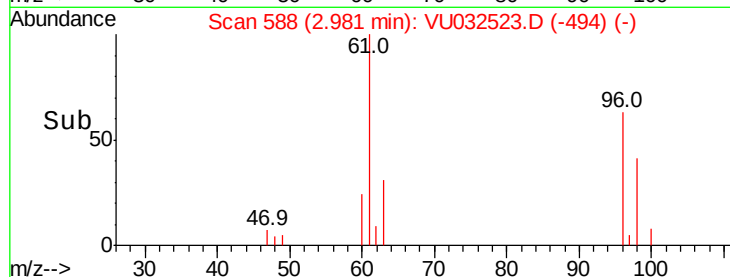
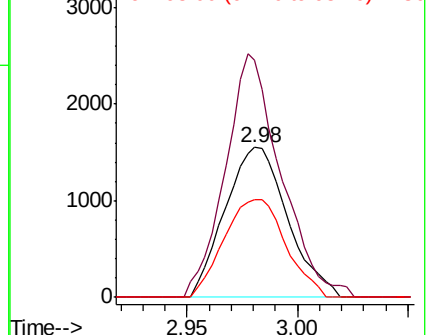
98 65.3 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032516.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU032516.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU032516.D (-574) (-)



#19

1,1-Dichloroethane

Concen: 3.882 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU032523.D

Acq: 07 Jun 2019 02:07

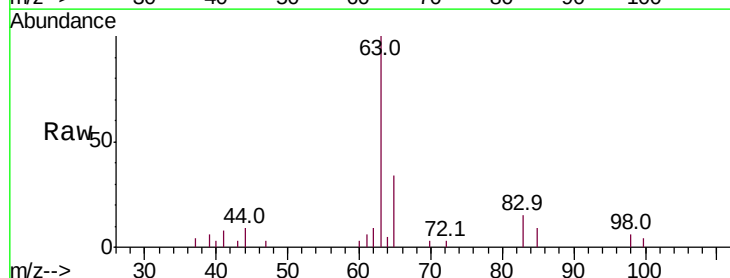
Tgt Ion: 63 Resp: 8486

Ion Ratio Lower Upper

63 100

65 34.2 21.8 40.6

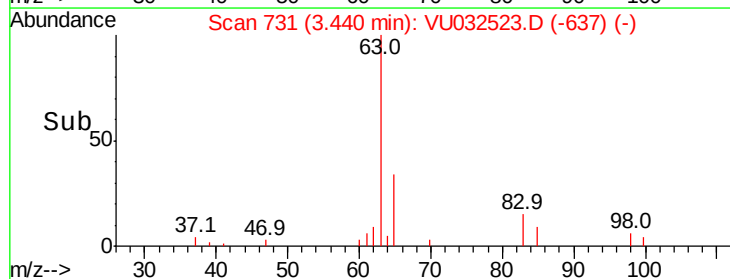
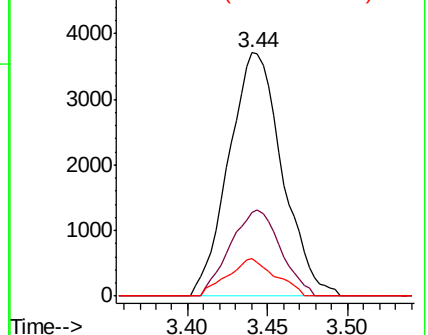
83 15.2 9.8 18.2

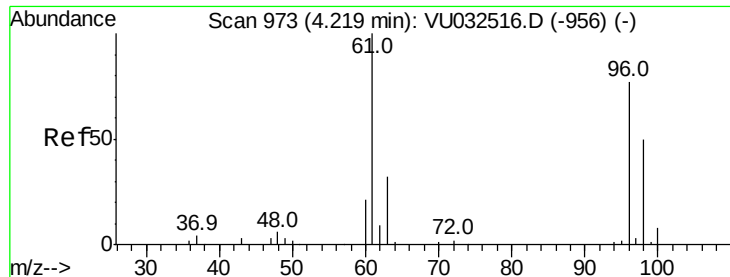


Abundance Ion 63.00 (62.70 to 63.70): VU032516.D (-715) (-)

Ion 65.00 (64.70 to 65.70): VU032516.D (-715) (-)

Ion 83.00 (82.70 to 83.70): VU032516.D (-715) (-)

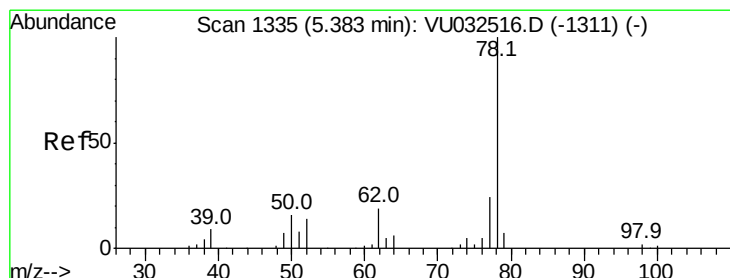
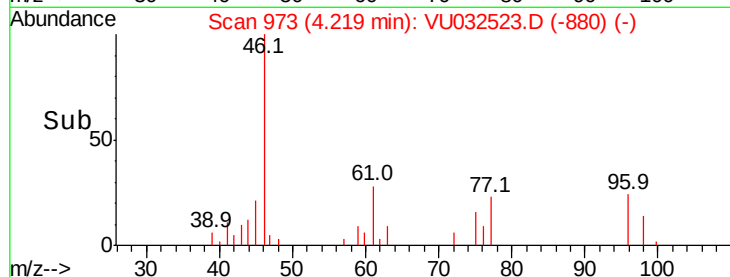
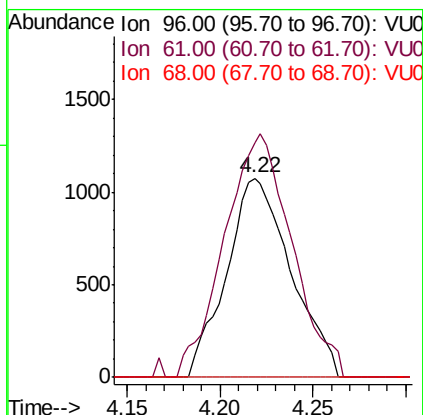
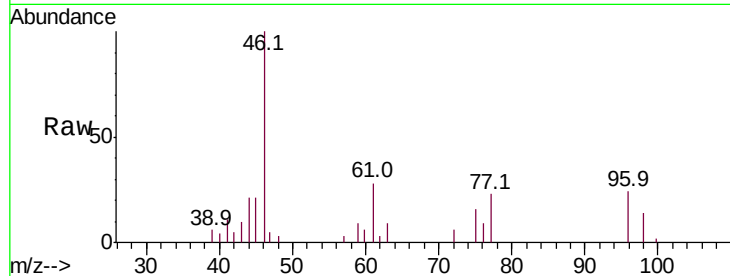




#20
 cis-1,2-Dichloroethene
 Concen: 1.922 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU032523.D
 Acq: 07 Jun 2019 02:07

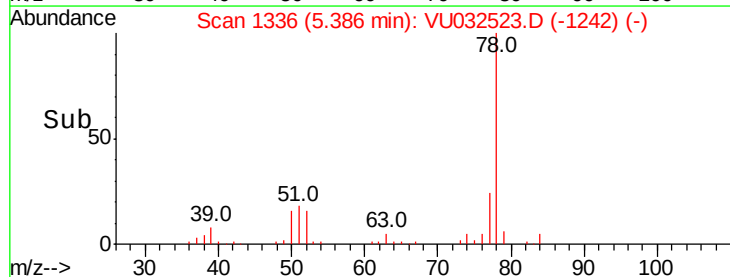
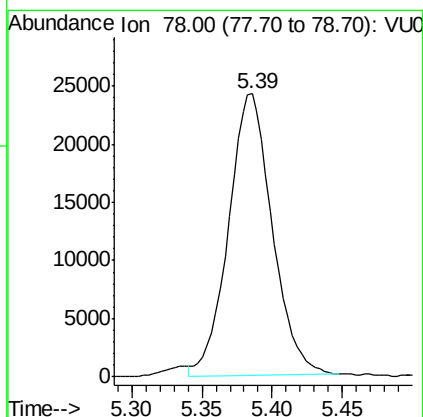
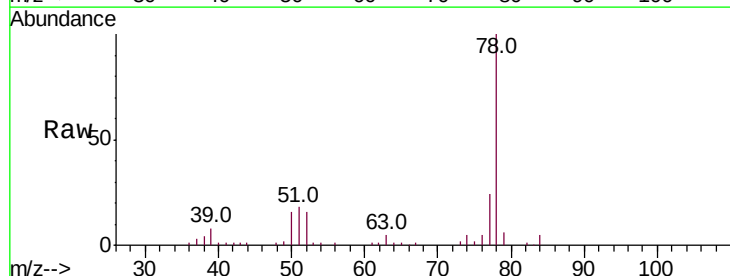
Instrument :
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 DB8J7

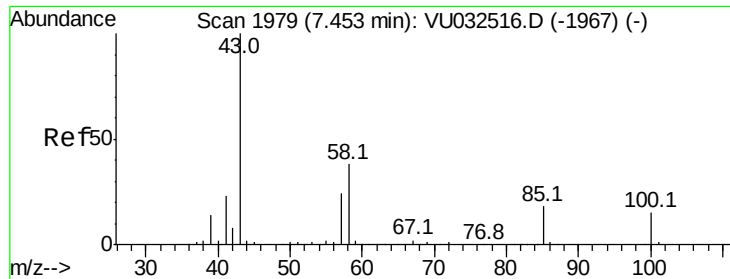
Tot Ion: 96 Resp: 2608
 Ion Ratio Lower Upper
 96 100
 61 117.8 87.2 162.0
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 10.466 ug/L
 RT: 5.39 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU032523.D
 Acq: 07 Jun 2019 02:07

Tgt Ion: 78 Resp: 52462

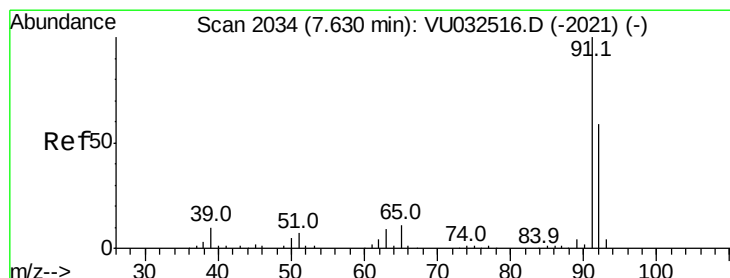
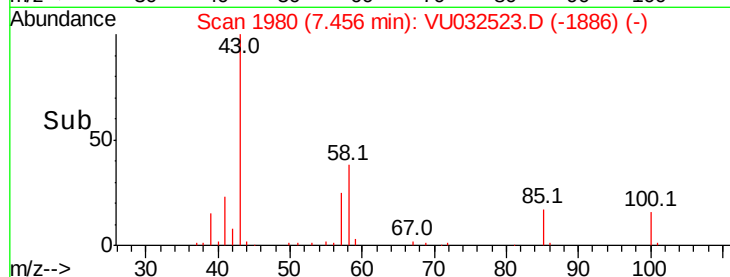
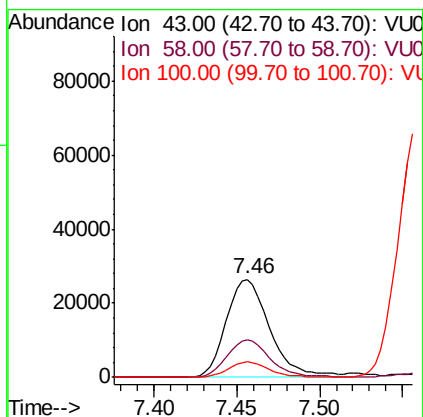
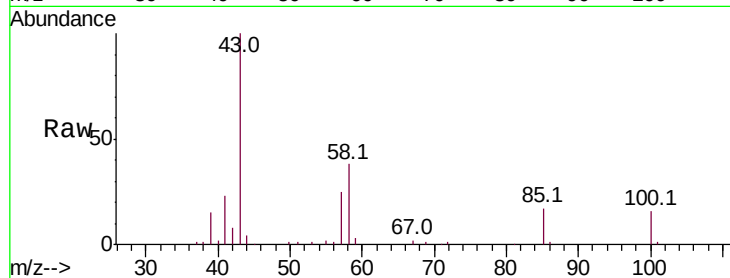




#40
4-Methyl-2-pentanone
Concen: 22.531 ug/L
RT: 7.46 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VU032523.D
Acq: 07 Jun 2019 02:07

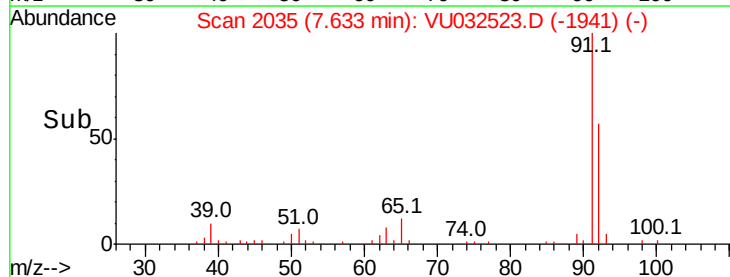
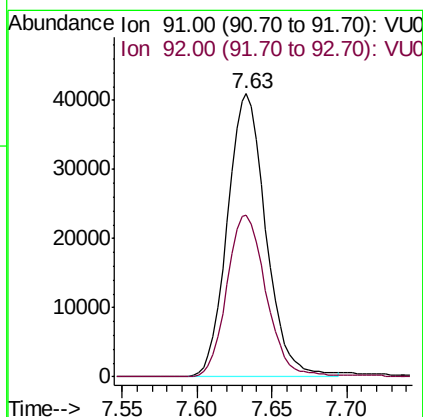
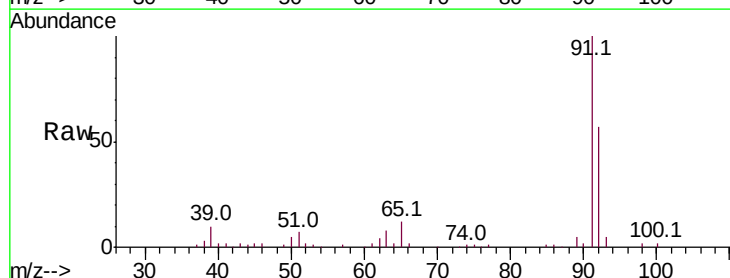
Instrument :
MSVOA_U
ClientSampleId :
DB8J7

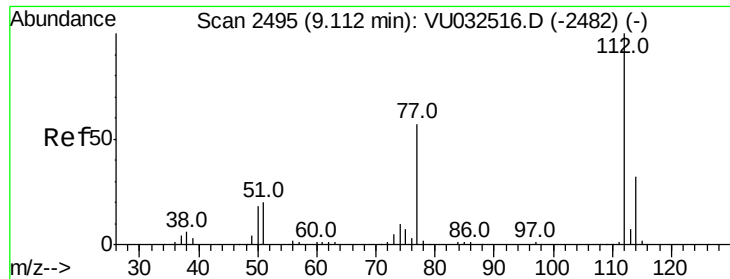
Tot Ion: 43 Resp: 48164
Ion Ratio Lower Upper
43 100
58 38.2 30.8 46.2
100 14.8 12.1 18.1



#42
Toluene
Concen: 13.371 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU032523.D
Acq: 07 Jun 2019 02:07

Tgt Ion: 91 Resp: 73401
Ion Ratio Lower Upper
91 100
92 57.1 39.7 73.7

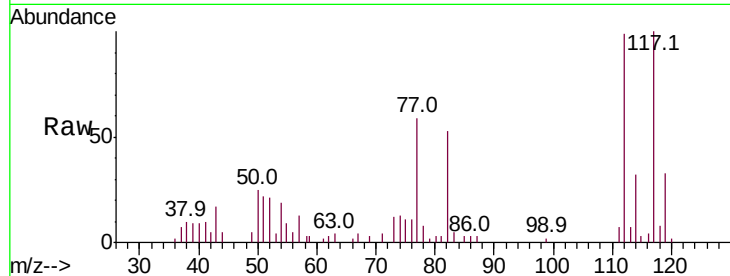




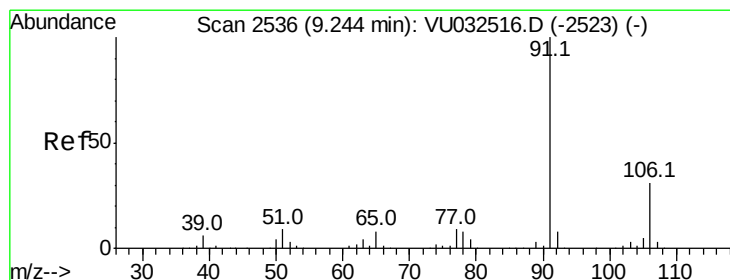
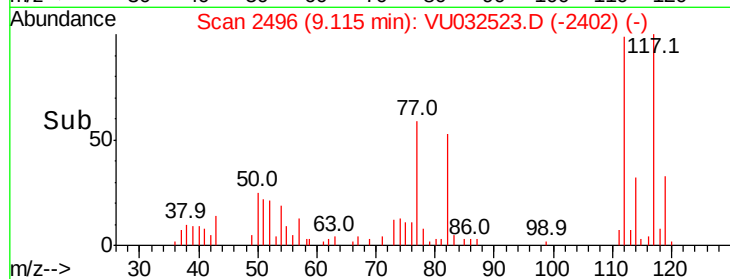
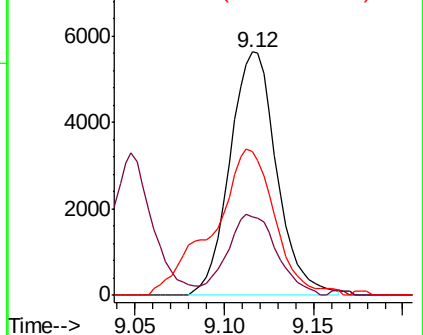
#51
Chlorobenzene
Concen: 2.924 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032523.D
Acq: 07 Jun 2019 02:07

Instrument :
MSVOA_U
ClientSampleId :
DB8J7

Tot Ion:112 Resp: 10340
Ion Ratio Lower Upper
112 100
114 32.3 22.6 42.0
77 59.2 46.1 69.1

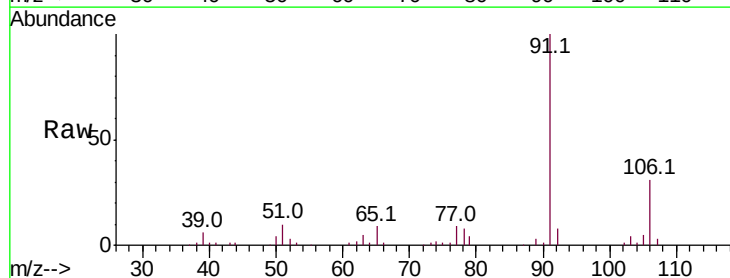


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

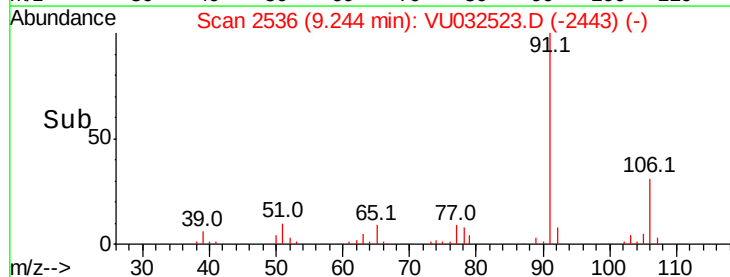
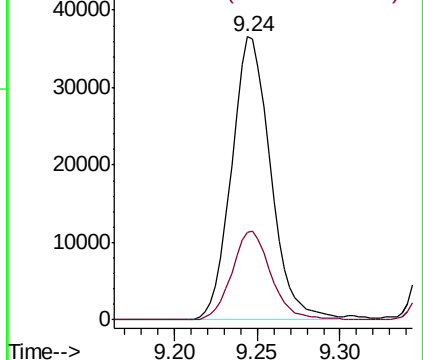


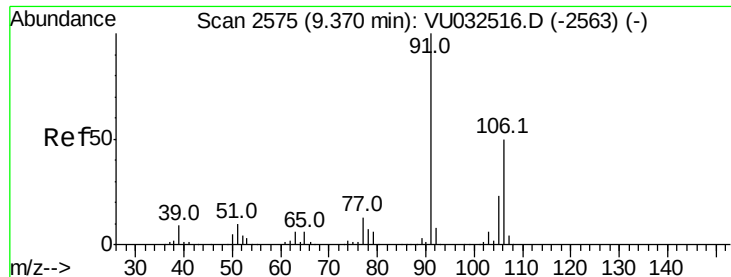
#52
Ethylbenzene
Concen: 9.807 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU032523.D
Acq: 07 Jun 2019 02:07

Tgt Ion: 91 Resp: 60008
Ion Ratio Lower Upper
91 100
106 31.2 22.0 41.0



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





#53

m,p-Xylene

Concen: 26.392 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032523.D

Acq: 07 Jun 2019 02:07

Instrument :

MSVOA_U

ClientSampleId :

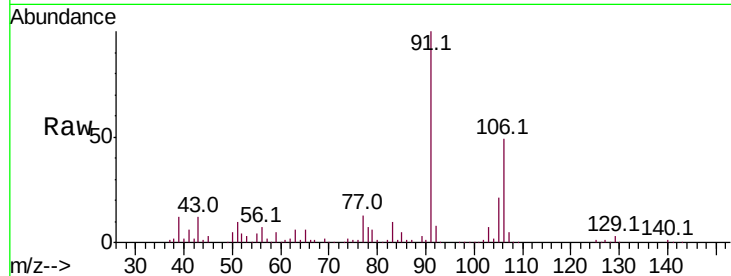
DB8J7

Tot Ion:106 Resp: 61408

Ion Ratio Lower Upper

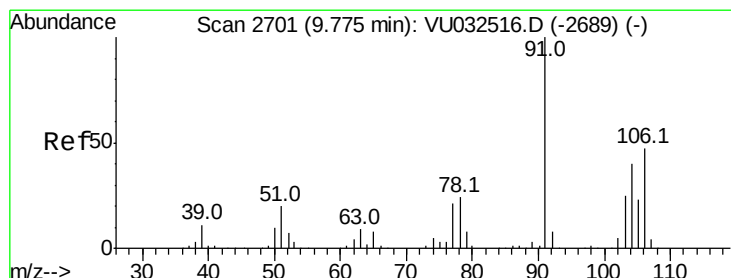
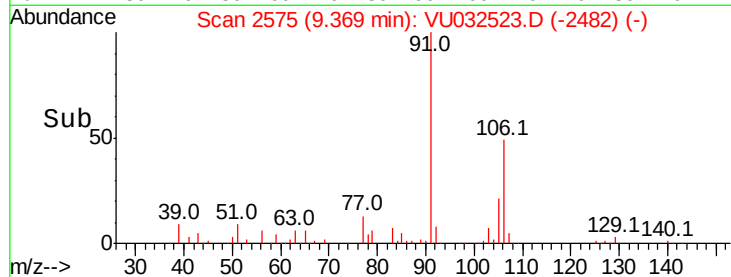
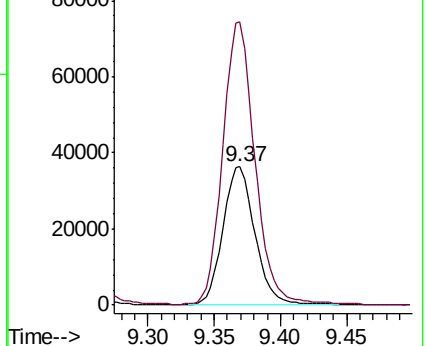
106 100

91 204.8 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 11.951 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032523.D

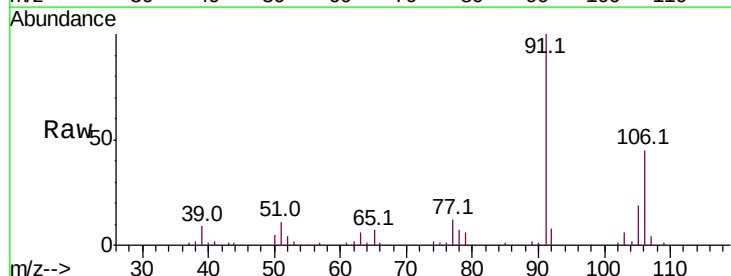
Acq: 07 Jun 2019 02:07

Tgt Ion:106 Resp: 27610

Ion Ratio Lower Upper

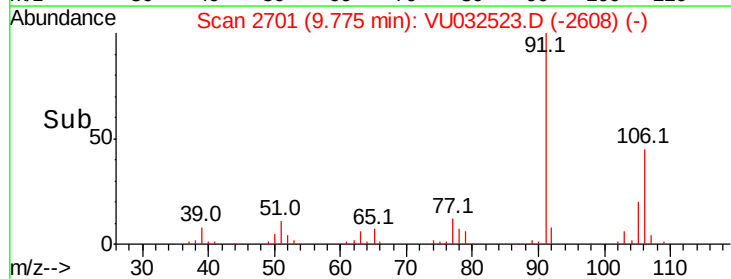
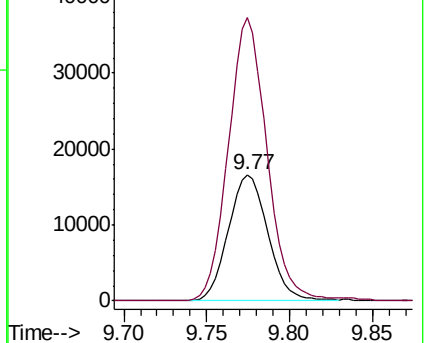
106 100

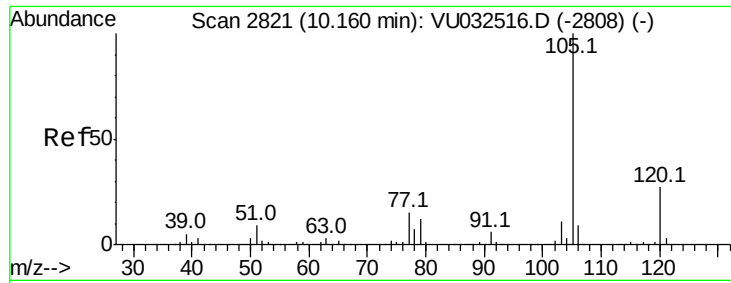
91 224.1 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#56

Isopropylbenzene

Concen: 4.304 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032523.D

Acq: 07 Jun 2019 02:07

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ClientSampleId :

DB8J7

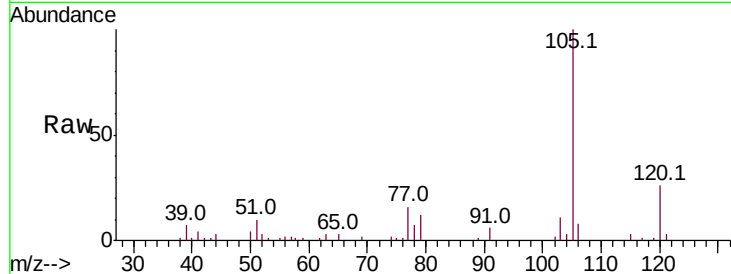
Tot Ion:105 Resp: 26220

Ion Ratio Lower Upper

105 100

120 25.5 21.6 32.4

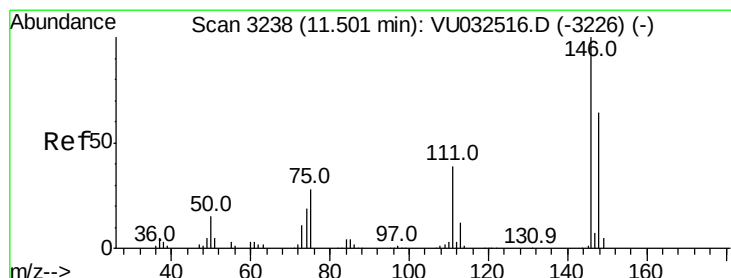
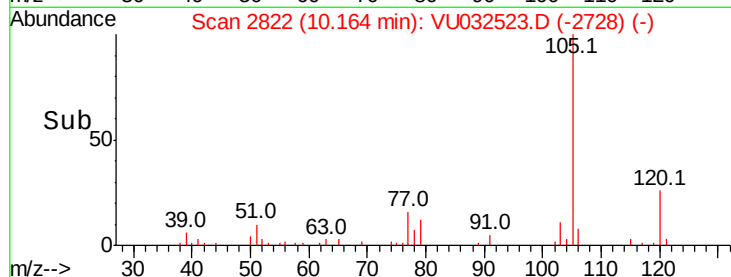
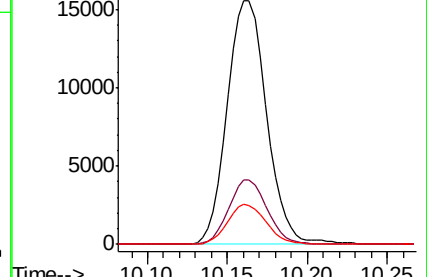
77 16.0 12.4 18.6



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



#63

1,4-Dichlorobenzene

Concen: 0.704 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU032523.D

Acq: 07 Jun 2019 02:07

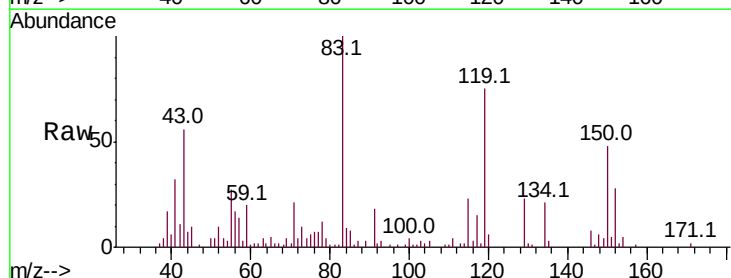
Tgt Ion:146 Resp: 2034

Ion Ratio Lower Upper

146 100

111 42.7 26.6 49.4

148 70.3 44.9 83.5



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

