

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
 Data File : VU032524.D
 Acq On : 07 Jun 2019 02:30
 Operator : JC/SP
 Sample : K3215-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8J3

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 10:17:52 AM

Quant Time: Jun 07 07:28:22 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	202157	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	189690	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	100300	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	40633	30.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	61.96%
7) Chloroethane-d5	1.67	69	38605	36.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.26%
11) 1,1-Dichloroethene-d2	2.27	63	67671	26.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.70%#
21) 2-Butanone-d5	4.17	46	133739	121.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.85%
24) Chloroform-d	4.64	84	106983	43.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.48%
26) 1,2-Dichloroethane-d4	5.30	65	72764	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
32) Benzene-d6	5.33	84	216524	43.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.94%
36) 1,2-Dichloropropane-d6	6.32	67	71786	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.98%
41) Toluene-d8	7.56	98	202707	43.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.82%
43) trans-1,3-Dichloropropene-	7.85	79	31512	42.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.28%
47) 2-Hexanone-d5	8.31	63	98122	131.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	131.00%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	116123	51.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	96597	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	17146	15.140	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	758	0.583	ug/L	90
19) 1,1-Dichloroethane	3.44	63	4975	2.099	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	5628m	3.826	ug/L	
33) Benzene	5.39	78	18632	3.496	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	12891	5.672	ug/L	98
42) Toluene	7.63	91	97675	16.734	ug/L	99
51) Chlorobenzene	9.12	112	2171	0.577	ug/L	94
52) Ethylbenzene	9.25	91	42868	6.589	ug/L	99
53) m,p-Xylene	9.37	106	52398	21.180	ug/L	99
54) o-xylene	9.77	106	40051	16.305	ug/L	98
56) Isopropylbenzene	10.16	105	21301	3.289	ug/L	99

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

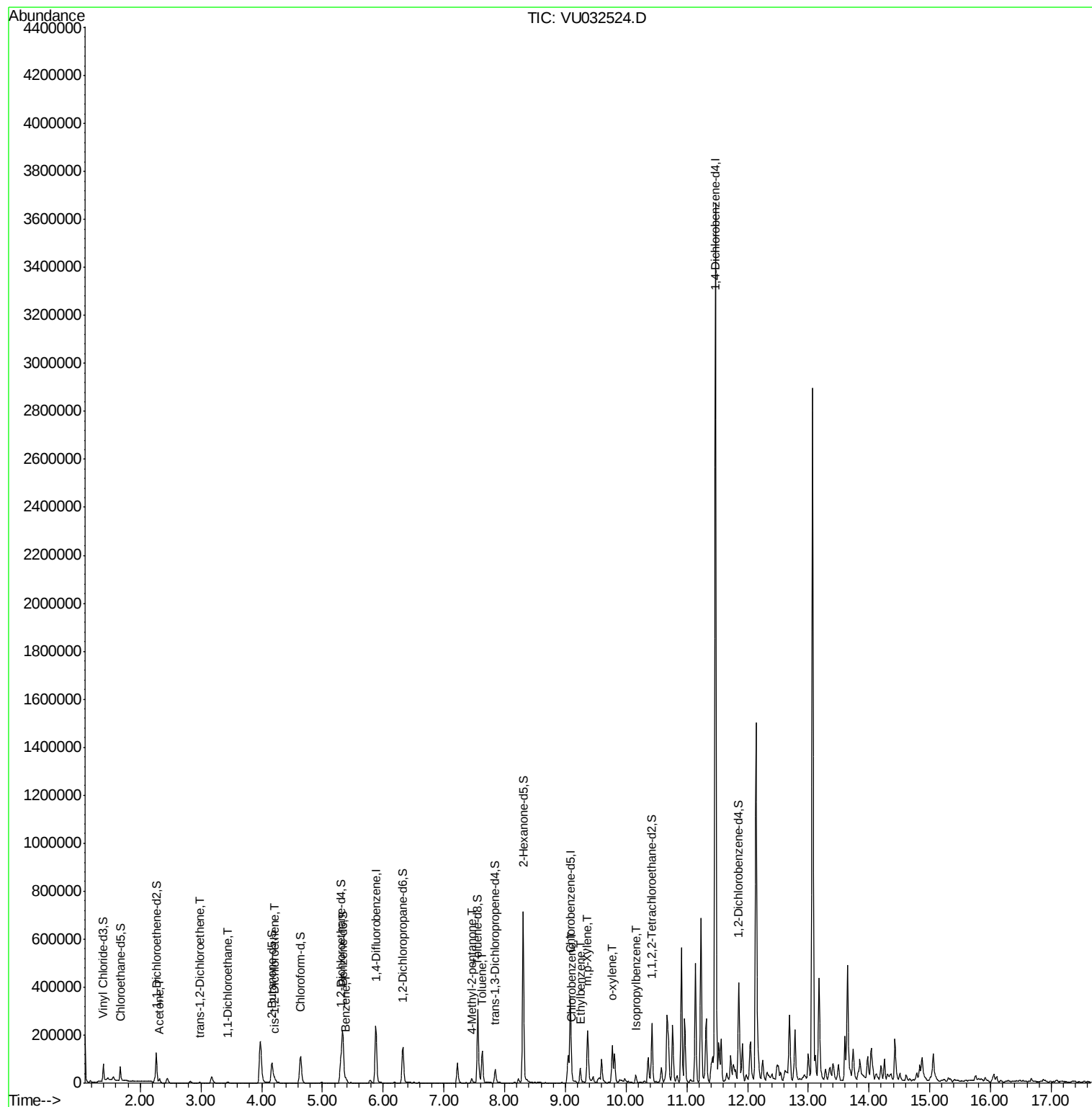
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 45 Sample Multiplier: 1

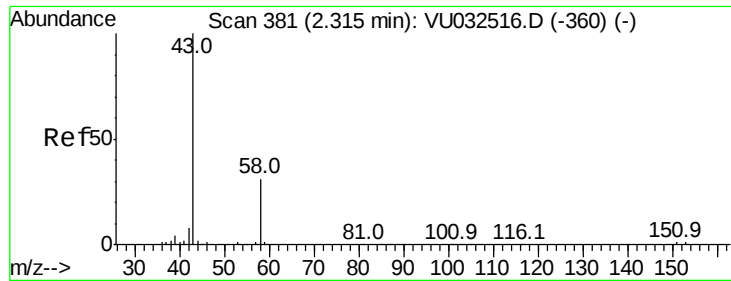
Instrument :
MSVOA_U
ClientSampleId :
DB8J3

Manual Integrations
APPROVED

MMDadoda
6/7/2019 10:17:52 AM

Quant Time: Jun 07 07:28:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 07:01:53 2019
Response via : Initial Calibration





#13

Acetone

Concen: 15.140 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

Instrument :

MSVOA_U

ClientSampled :

DB8J3

Tot Ion: 43 Resp: 17146

Ion Ratio Lower Upper

43 100

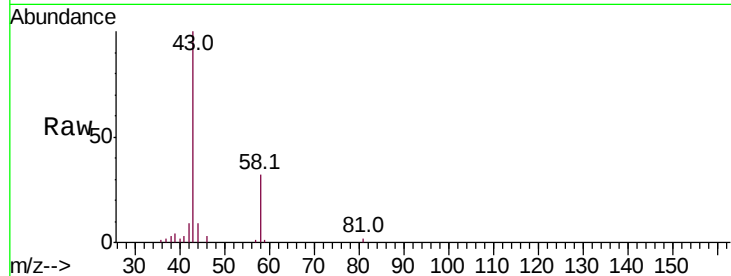
58 33.6 0.0 64.0

Manual Integrations

APPROVED

MMDadoda

6/7/2019 10:17:52 AM

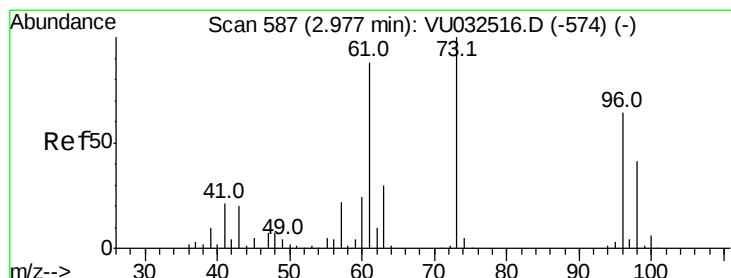
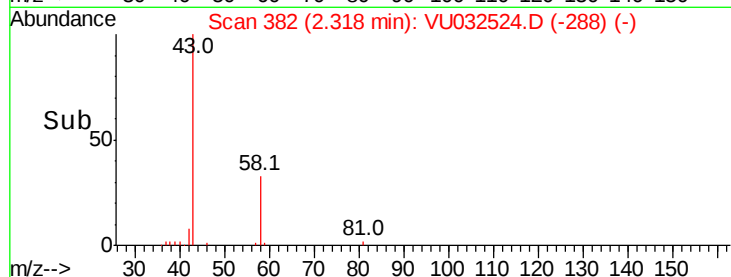


Abundance Ion 43.00 (42.70 to 43.70): VU032516.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU032516.D (-360) (-)

2.32

Time-->



#17

trans-1,2-Dichloroethene

Concen: 0.583 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

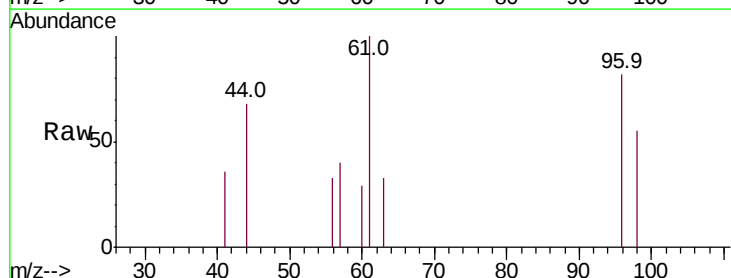
Tgt Ion: 96 Resp: 758

Ion Ratio Lower Upper

96 100

61 122.7 95.7 177.7

98 67.8 44.0 81.6



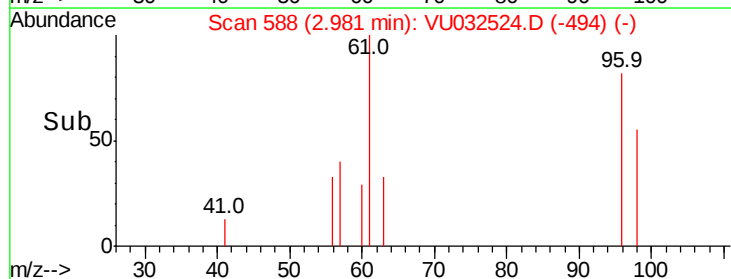
Abundance Ion 96.00 (95.70 to 96.70): VU032516.D (-574) (-)

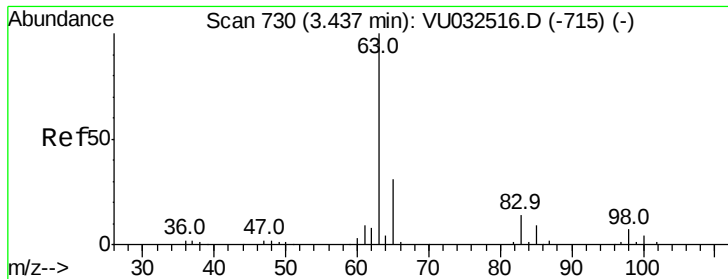
Ion 61.00 (60.70 to 61.70): VU032516.D (-574) (-)

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

2.98

Time-->





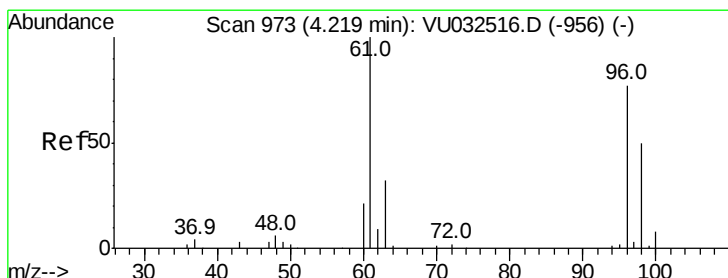
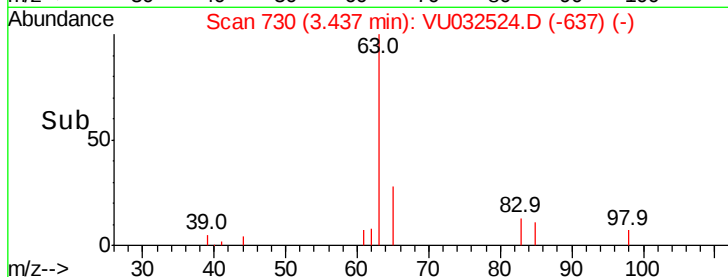
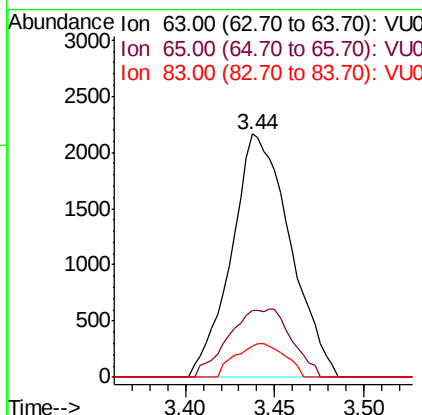
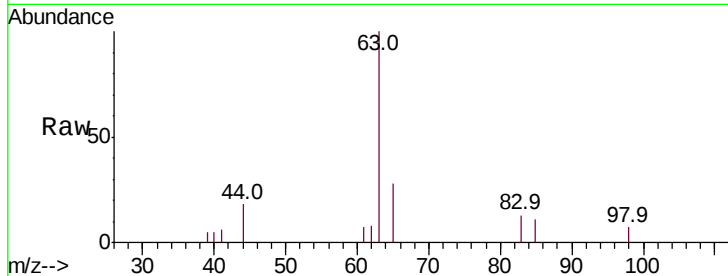
#19
 1,1-Dichloroethane
 Concen: 2.099 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU032524.D
 Acq: 07 Jun 2019 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 DB8J3

Tot Ion:	63	Resp:	4975
Ion	Ratio	Lower	Upper
63	100		
65	27.6	21.8	40.6
83	13.0	9.8	18.2

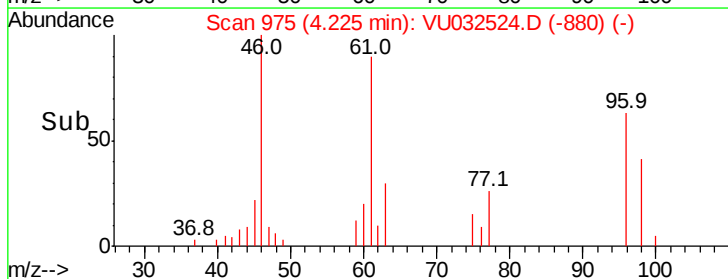
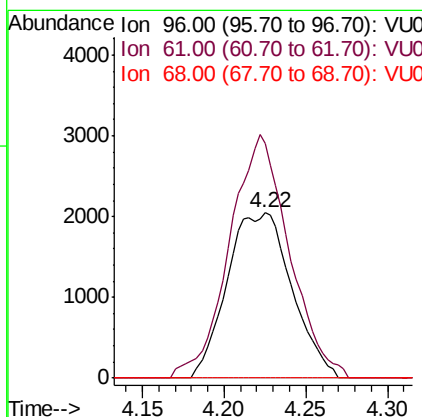
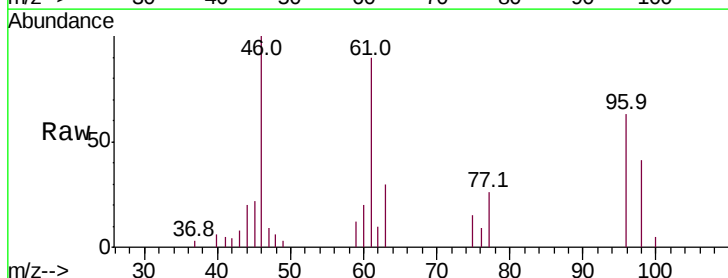
Manual Integrations
 APPROVED

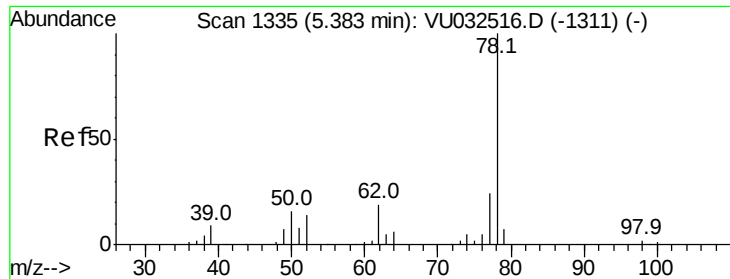
MMDadoda
 6/7/2019 10:17:52 AM



#20
 cis-1,2-Dichloroethene
 Concen: 3.826 ug/L m
 RT: 4.22 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU032524.D
 Acq: 07 Jun 2019 02:30

Tgt Ion:	96	Resp:	5628
Ion	Ratio	Lower	Upper
96	100		
61	142.1	87.2	162.0
68	0.0	0.0	0.0





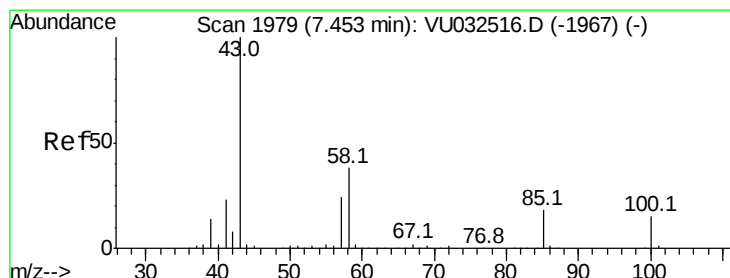
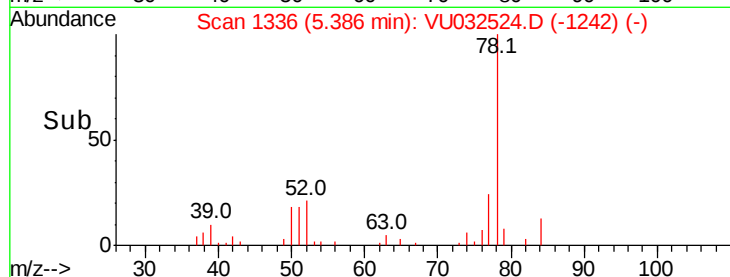
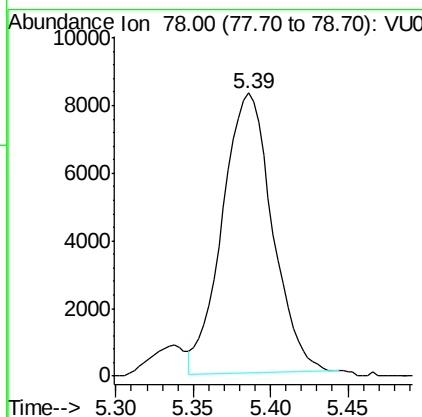
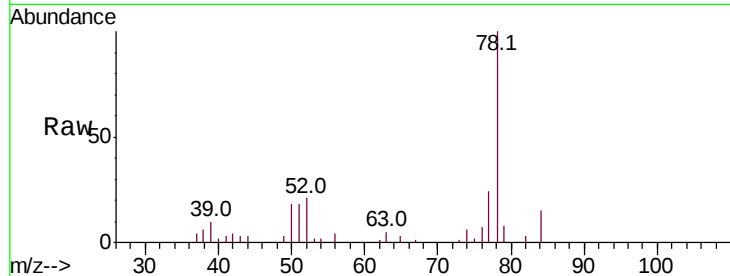
#33
Benzene
Concen: 3.496 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU032524.D
Acq: 07 Jun 2019 02:30

Instrument :
MSVOA_U
ClientSampleId :
DB8J3

Tgt Ion: 78 Resp: 18632

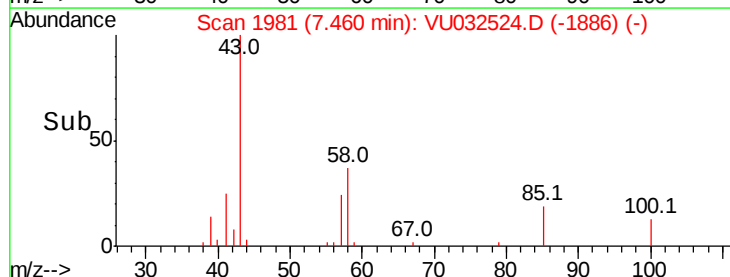
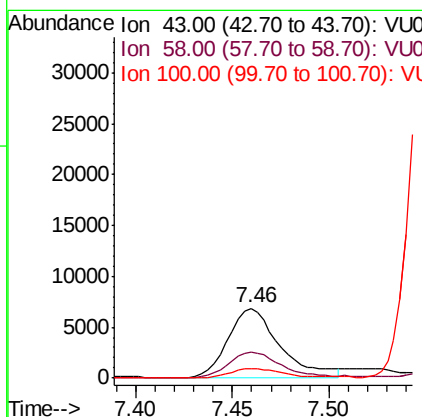
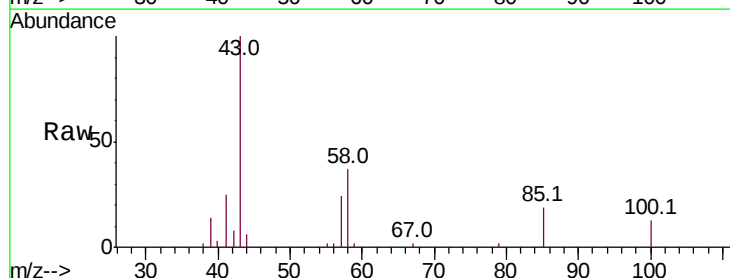
Manual Integrations
APPROVED

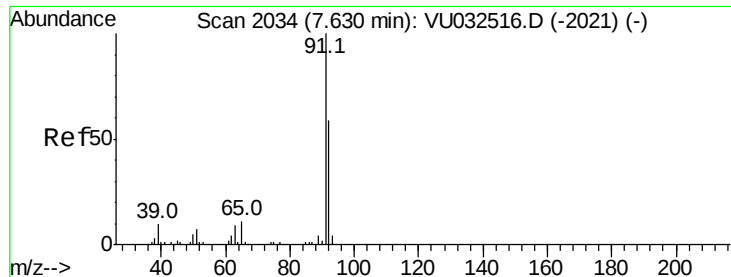
MMDadoda
6/7/2019 10:17:52 AM



#40
4-Methyl-2-pentanone
Concen: 5.672 ug/L
RT: 7.46 min Scan# 1981
Delta R.T. 0.01 min
Lab File: VU032524.D
Acq: 07 Jun 2019 02:30

Tgt Ion: 43 Resp: 12891
Ion Ratio Lower Upper
43 100
58 37.7 30.8 46.2
100 13.2 12.1 18.1





#42

Toluene

Concen: 16.734 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

Instrument :

MSVOA_U

ClientSampleId :

DB8J3

Tot Ion: 91 Resp: 97675

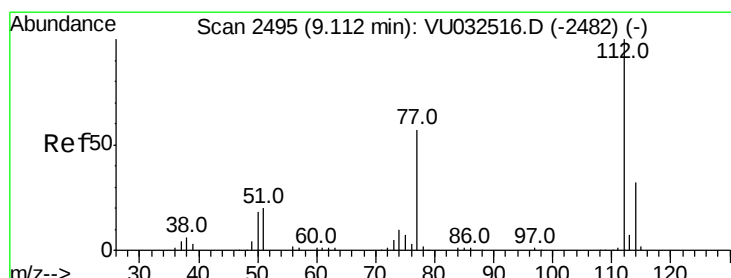
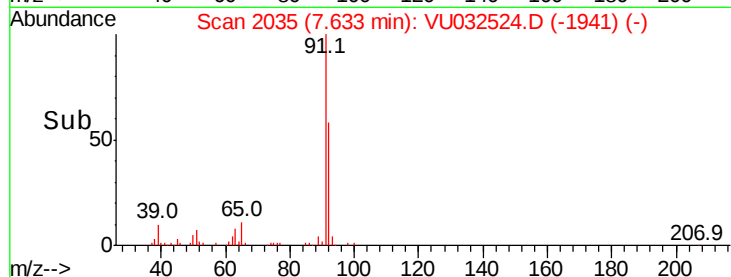
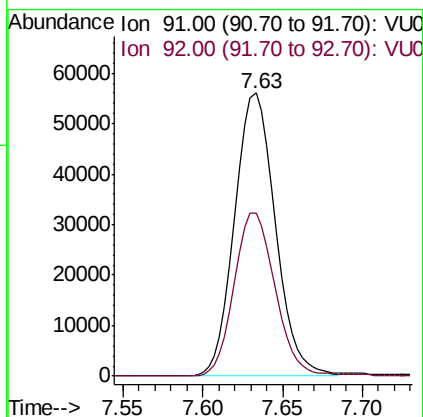
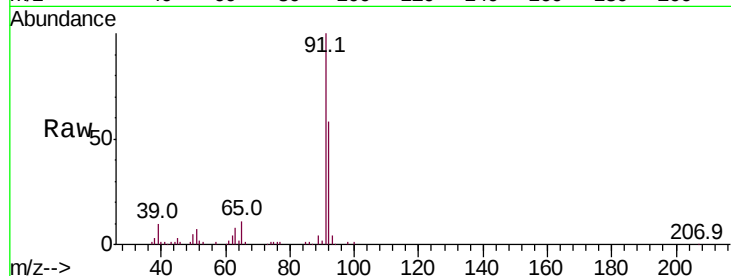
Ion Ratio Lower Upper

91 100

92 57.6 39.7 73.7

Manual Integrations
APPROVED

MMDadoda
6/7/2019 10:17:52 AM



#51

Chlorobenzene

Concen: 0.577 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

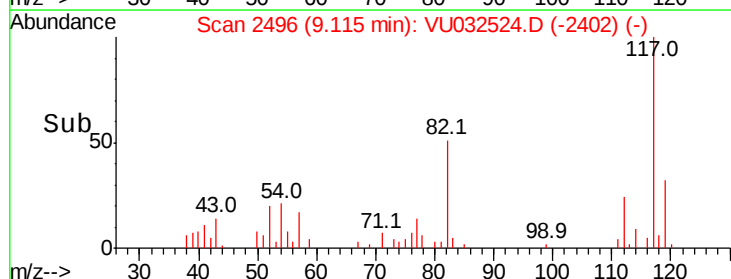
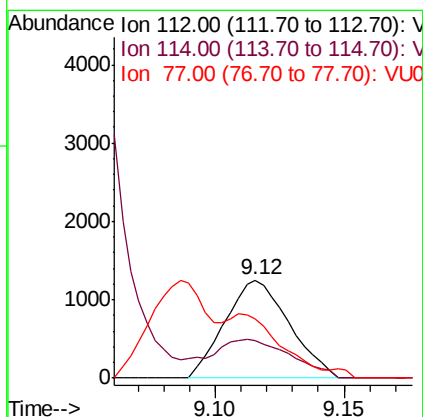
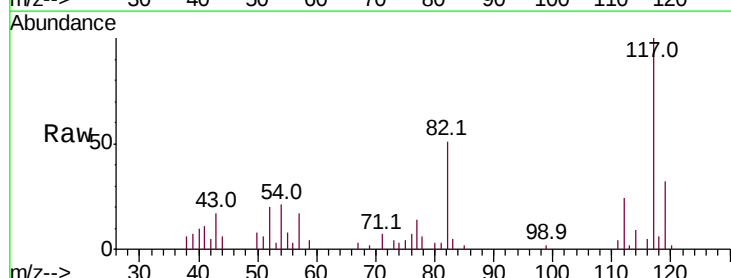
Tgt Ion: 112 Resp: 2171

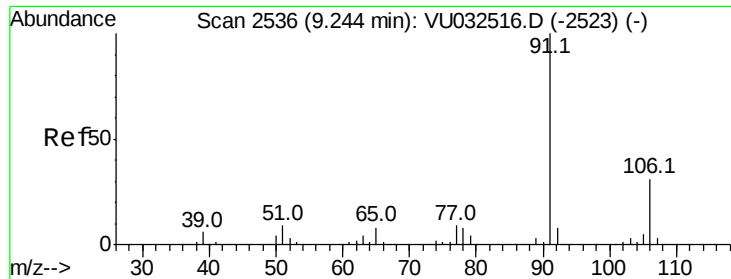
Ion Ratio Lower Upper

112 100

114 37.8 22.6 42.0

77 59.9 46.1 69.1





#52

Ethylbenzene

Concen: 6.589 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

Instrument :

MSVOA_U

ClientSampleId :

DB8J3

Tot Ion: 91 Resp: 42868

Ion Ratio Lower Upper

91 100

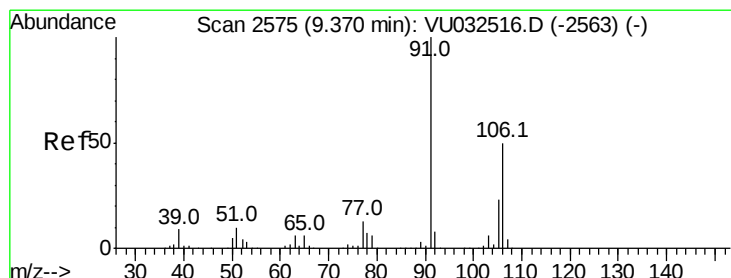
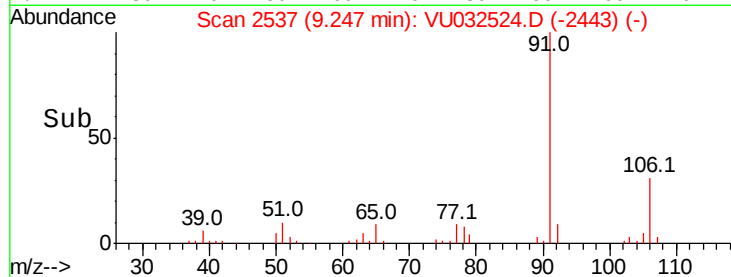
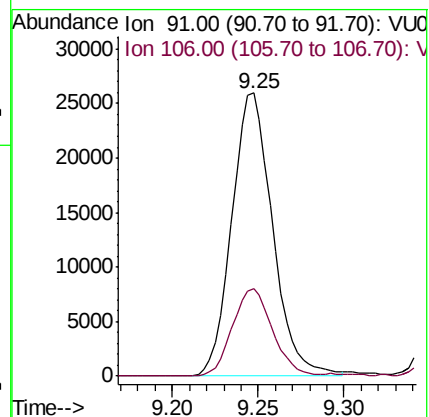
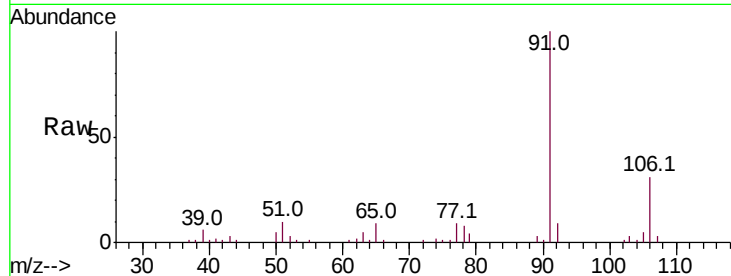
106 31.1 22.0 41.0

Manual Integrations

APPROVED

MMDadoda

6/7/2019 10:17:52 AM



#53

m,p-Xylene

Concen: 21.180 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032524.D

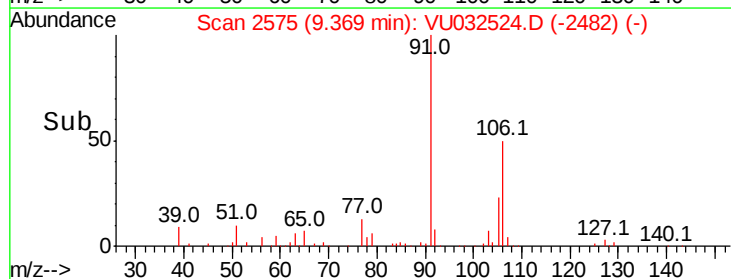
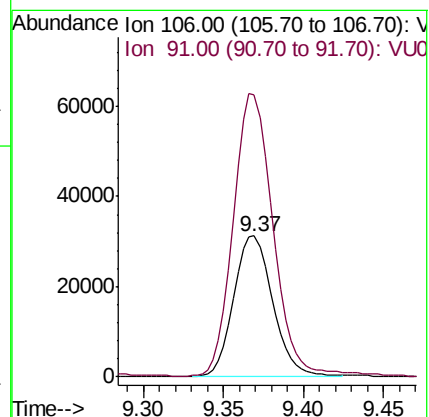
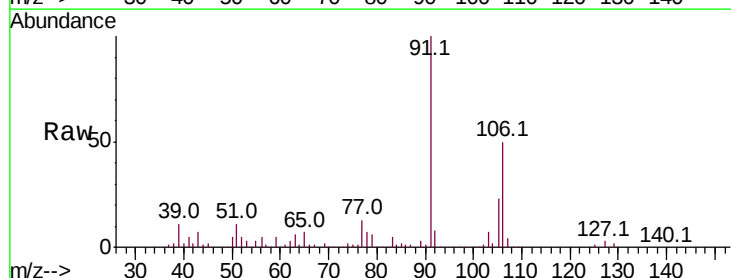
Acq: 07 Jun 2019 02:30

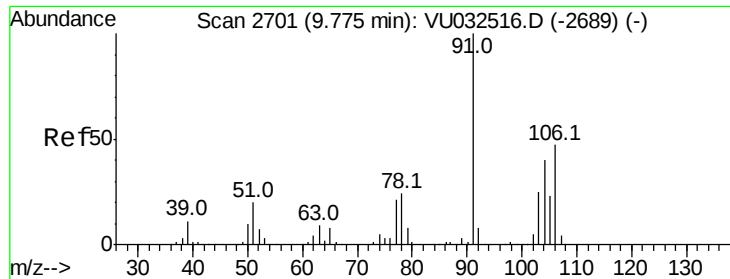
Tgt Ion: 106 Resp: 52398

Ion Ratio Lower Upper

106 100

91 200.5 141.7 263.1





#54

o-xylene

Concen: 16.305 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

Instrument :

MSVOA_U

ClientSampleId :

DB8J3

Tot Ion:106 Resp: 40051

Ion Ratio Lower Upper

106 100

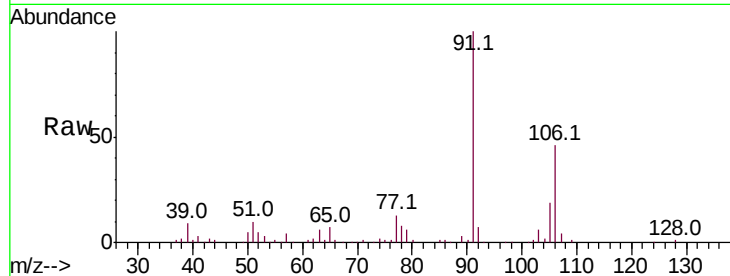
91 217.0 150.1 278.7

Manual Integrations

APPROVED

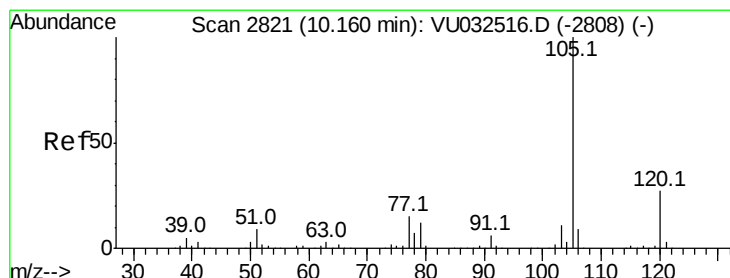
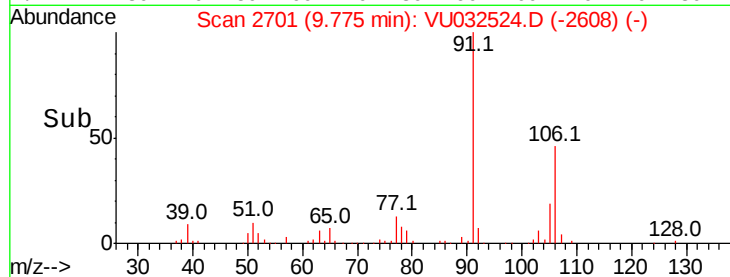
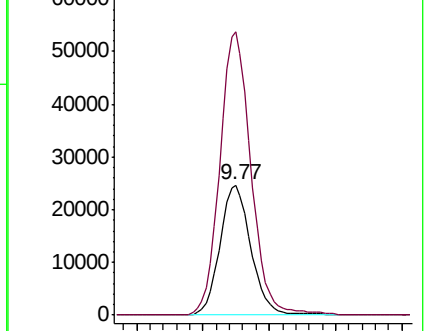
MMDadoda

6/7/2019 10:17:52 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 3.289 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032524.D

Acq: 07 Jun 2019 02:30

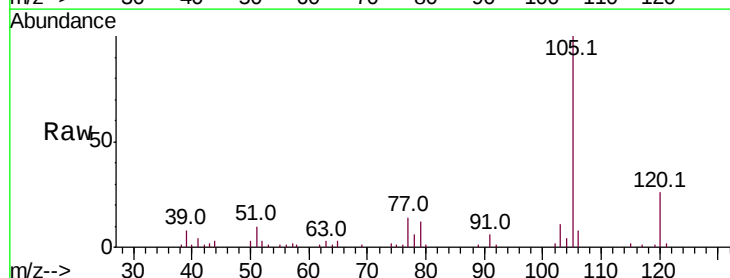
Tgt Ion:105 Resp: 21301

Ion Ratio Lower Upper

105 100

120 26.1 21.6 32.4

77 15.4 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

