

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091518\
 Data File : VU026735.D
 Acq On : 13 Sep 2018 19:03
 Operator : MD/SY
 Sample : J4893-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K6

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 1:55:29 PM

Quant Time: Sep 15 01:41:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 01:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	195686	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.11	117	204196	50.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.49	152	115886	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61946	42.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.96%
7) Chloroethane-d5	1.68	69	50774	43.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.42%
11) 1,1-Dichloroethene-d2	2.27	63	84601	32.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.84%
21) 2-Butanone-d5	4.18	46	83773	92.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.31%
24) Chloroform-d	4.65	84	100027	41.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.50%
26) 1,2-Dichloroethane-d4	5.31	65	68193	42.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.94%
32) Benzene-d6	5.35	84	214879	40.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.32%
36) 1,2-Dichloropropane-d6	6.33	67	71253	40.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.36%
41) Toluene-d8	7.57	98	195400	39.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.80%#
43) trans-1,3-Dichloropropene-	7.85	79	31458	38.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.30%
47) 2-Hexanone-d5	8.31	63	61870	85.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.50%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	94293	38.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	77.66%
64) 1,2-Dichlorobenzene-d4	11.87	152	99608	43.12	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	2242	2.169	ug/L	94
18) Methyl tert-butyl Ether	3.00	73	2493	0.662	ug/L	99
25) Chloroform	4.67	83	12789	5.366	ug/L	97
27) 1,2-Dichloroethane	5.40	62	234904	124.127	ug/L #	75
29) Cyclohexane	5.00	56	4207	1.881	ug/L	99
31) Carbon tetrachloride	5.14	117	25590	13.088	ug/L	99
33) Benzene	5.39	78	22781351m	3983.987	ug/L	
34) Trichloroethene	6.19	95	1142	0.803	ug/L	85
42) Toluene	7.64	91	3554	0.600	ug/L	98
46) Tetrachloroethene	8.23	164	2891	2.420	ug/L	95
51) Chlorobenzene	9.13	112	24026369m	6173.998	ug/L	
62) 1,3-Dichlorobenzene	11.42	146	1030068	309.564	ug/L	99
63) 1,4-Dichlorobenzene	11.52	146	15922988m	4517.179	ug/L	
65) 1,2-Dichlorobenzene	11.89	146	15540876m	4419.141	ug/L	
68) 1,2,4-trichlorobenzene	13.51	180	1828388	797.006	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	322439	129.756	ug/L	100

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Instrument :
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ClientSampleId :
C08K6

Manual Integrations
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Quant Time: Sep 15 01:41:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration

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

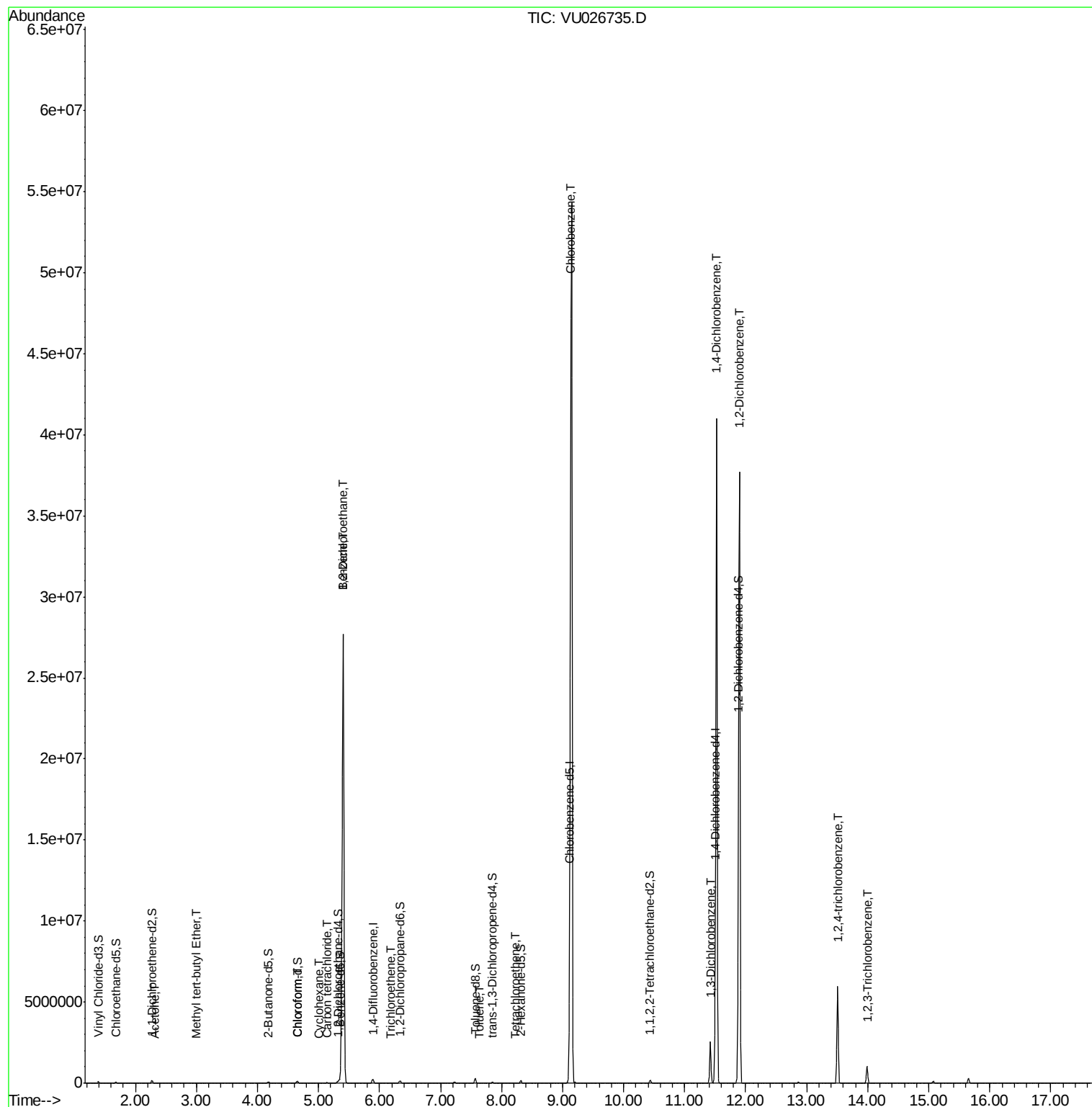
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Data File : VU026735.D
Acq On : 13 Sep 2018 19:03
Operator : MD/SY
Sample : J4893-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

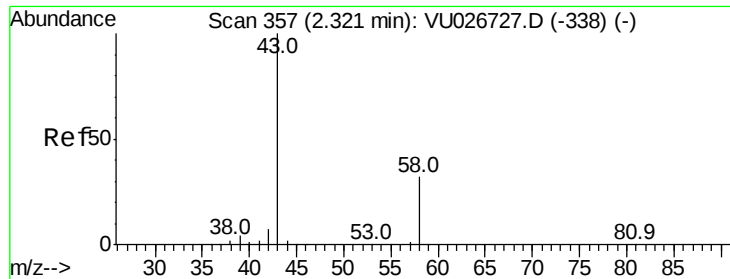
Instrument :
MSVOA_U
ClientSampleId :
C08K6

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
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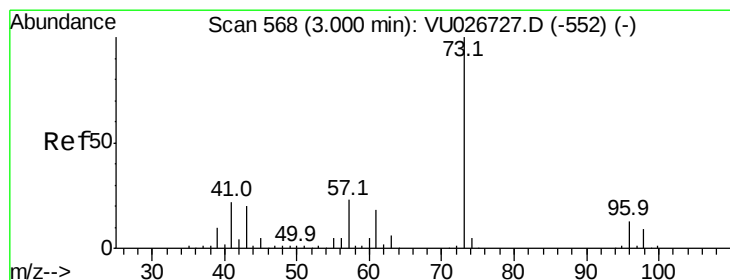
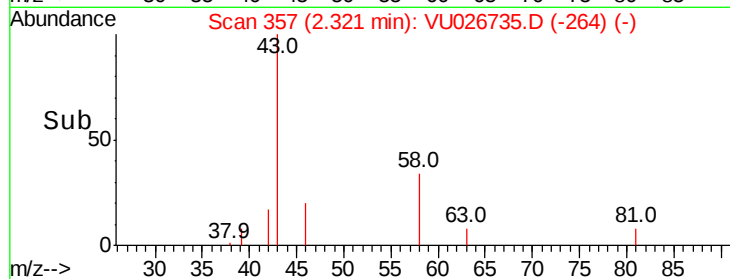
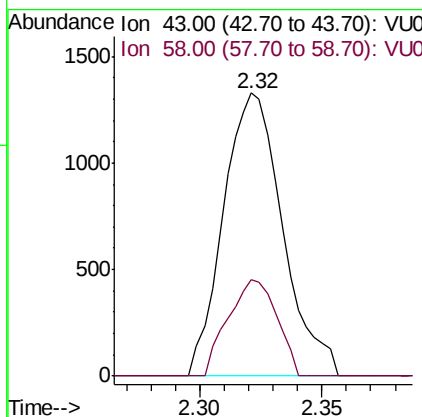
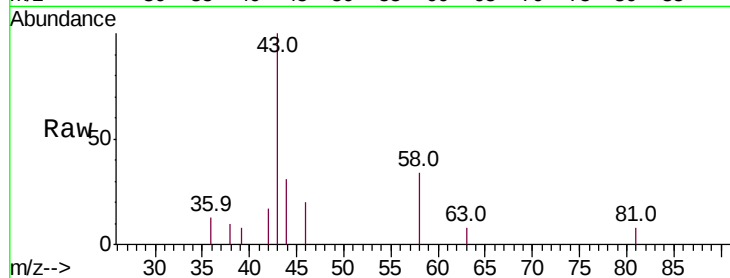
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Acetone
Concen: 2.169 ug/L
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU026735.D
Acq: 13 Sep 2018 19:03

Instrument :
MSVOA_U
ClientSampled :
C08K6

Tot Ion: 43 Resp: 2242
Ion Ratio Lower Upper
43 100
58 28.1 0.0 62.8

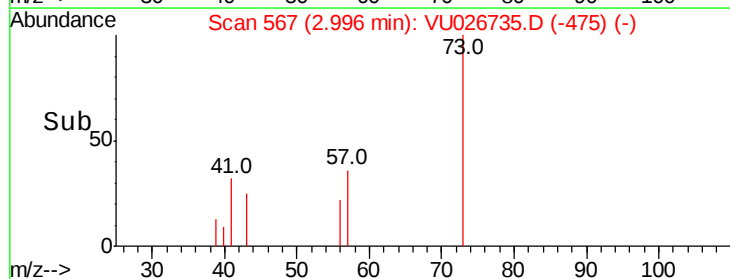
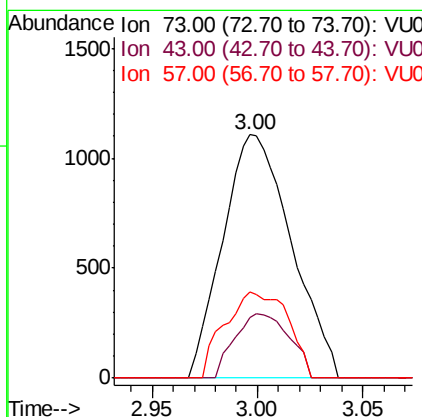
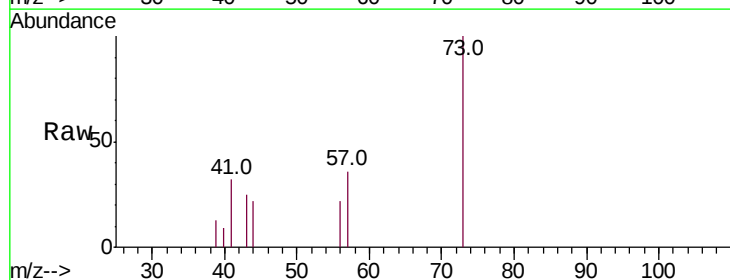
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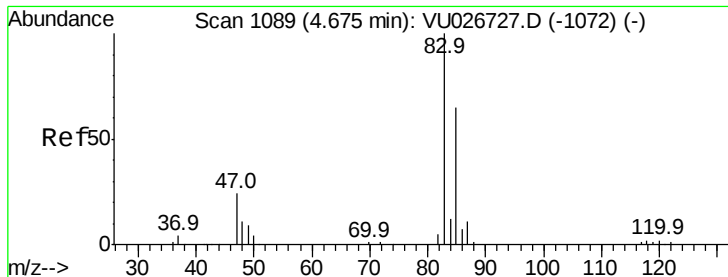
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#18
Methyl tert-butyl Ether
Concen: 0.662 ug/L
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU026735.D
Acq: 13 Sep 2018 19:03

Tgt Ion: 73 Resp: 2493
Ion Ratio Lower Upper
73 100
43 21.1 16.0 24.0
57 23.2 18.6 27.8





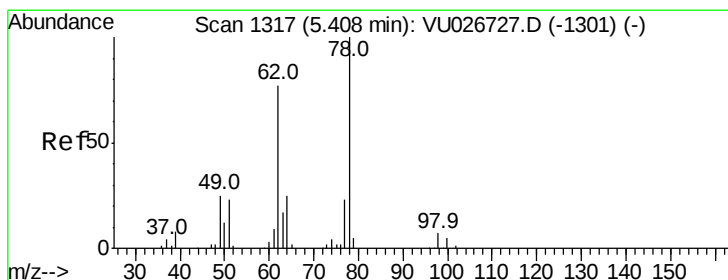
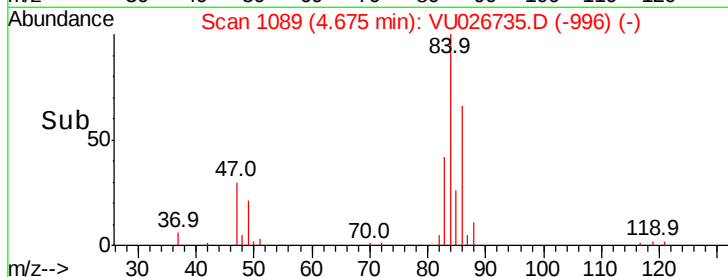
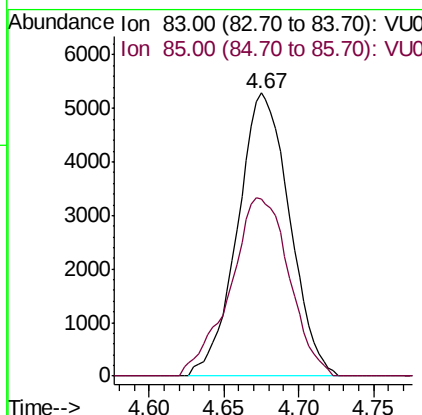
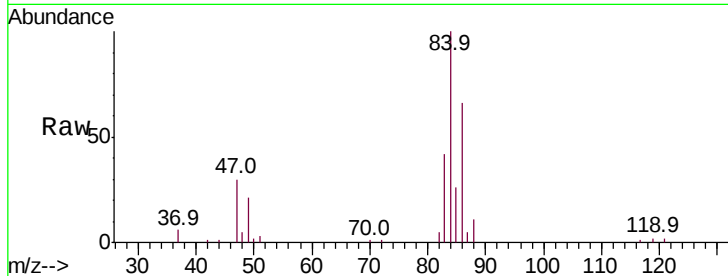
#25
Chloroform
Concen: 5.366 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026735.D
Acq: 13 Sep 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
C08K6

Tot Ion	83	Resp	12789
Ion Ratio	100	Lower	Upper
85	62.6	45.6	84.6

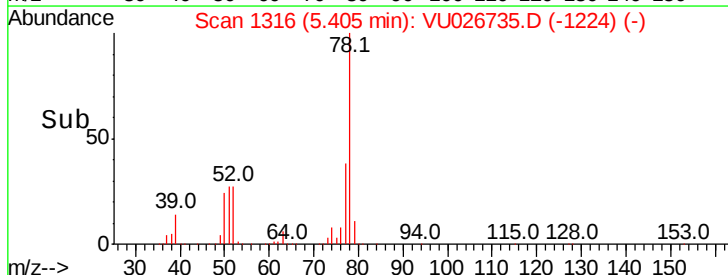
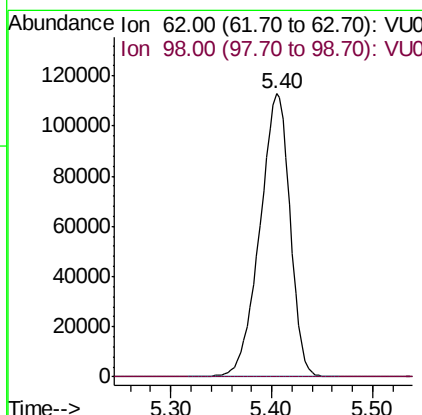
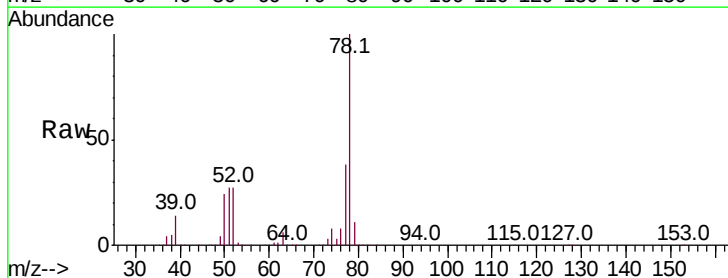
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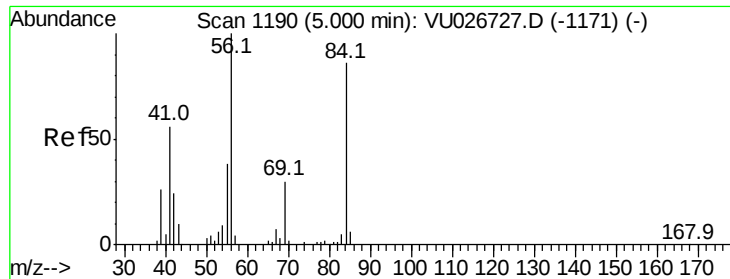
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#27
1,2-Dichloroethane
Concen: 124.127 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026735.D
Acq: 13 Sep 2018 19:03

Tgt Ion	62	Resp	234904
Ion Ratio	100	Lower	Upper
98	0.0	7.4	11.0#





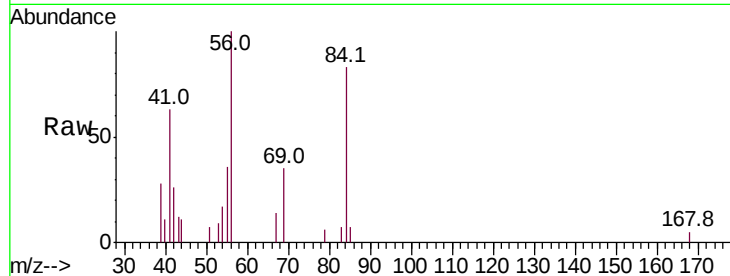
#29
Cyclohexane
Concen: 1.881 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VU026735.D
Acq: 13 Sep 2018 19:03

Instrument :
MSVOA_U
ClientSampleId :
C08K6

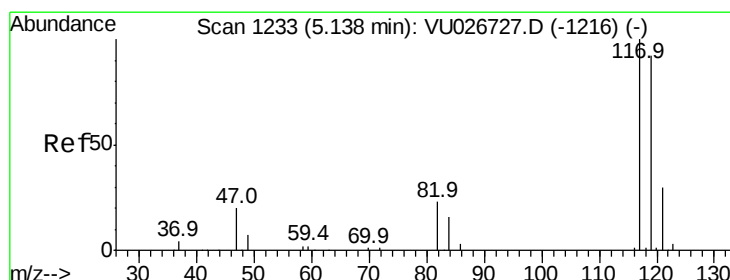
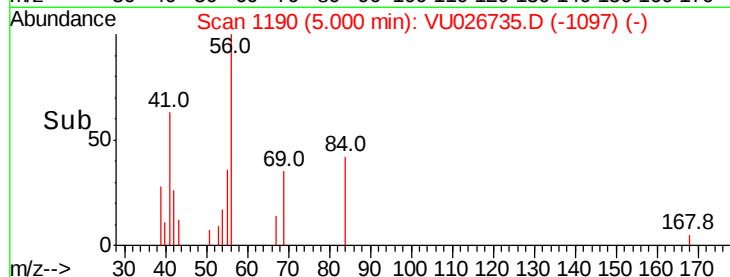
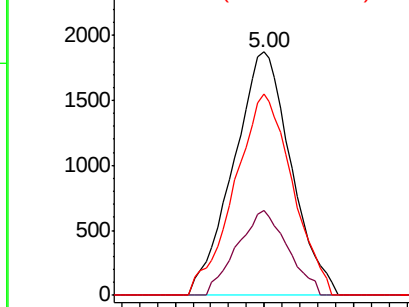
Tot Ion:	56	Resp:	4207
Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.0	34.6
84	83.1	66.5	99.7

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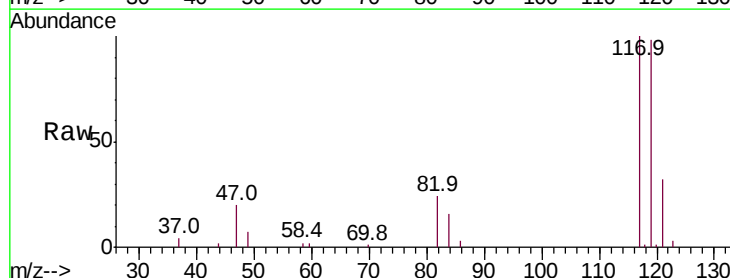


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

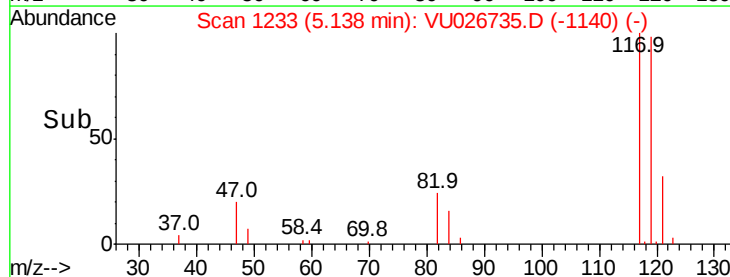
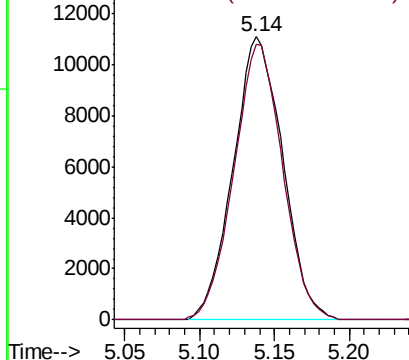


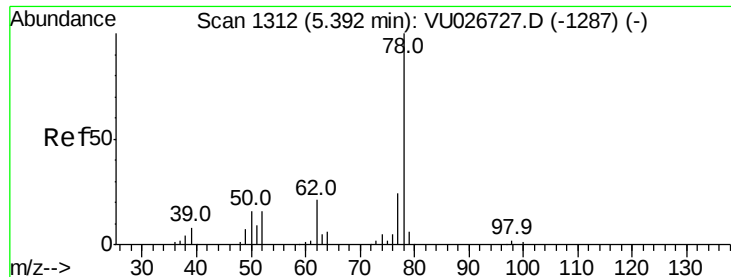
#31
Carbon tetrachloride
Concen: 13.088 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU026735.D
Acq: 13 Sep 2018 19:03

Tgt Ion:	117	Resp:	25590
Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.6	116.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 3983.987 ug/L m

RT: 5.39 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU026735.D

Acq: 13 Sep 2018 19:03

Instrument :

MSVOA_U

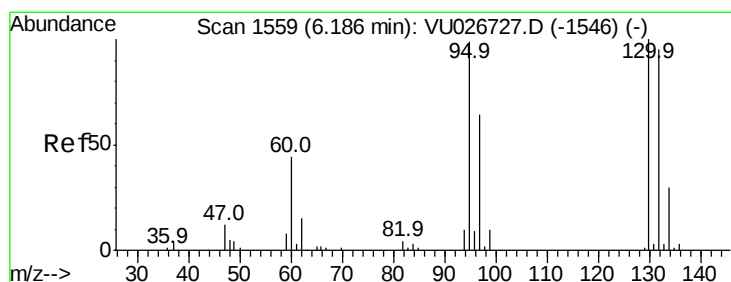
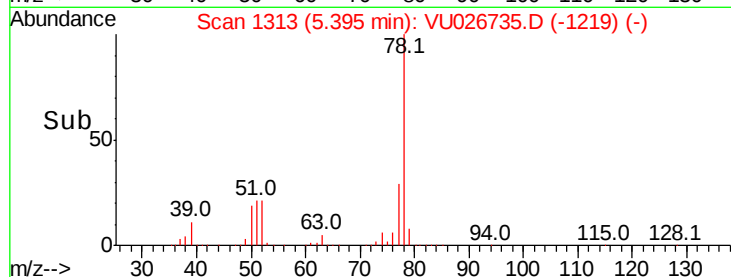
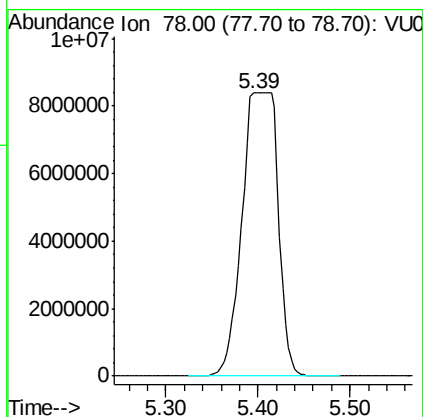
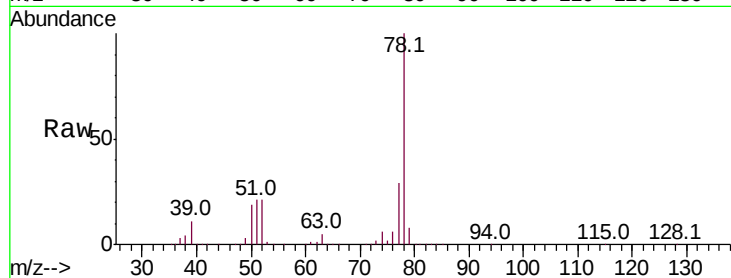
ClientSampleId :

C08K6

Tgt Ion: 78 Resp:22781351

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#34

Trichloroethene

Concen: 0.803 ug/L

RT: 6.19 min Scan# 1561

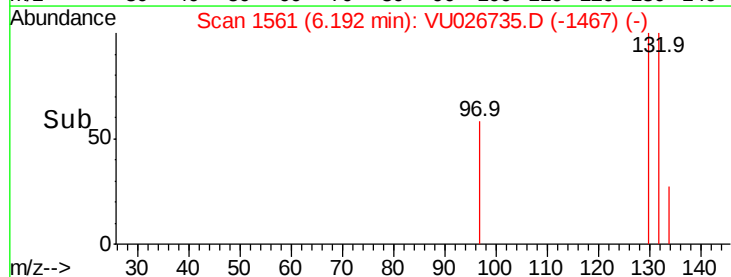
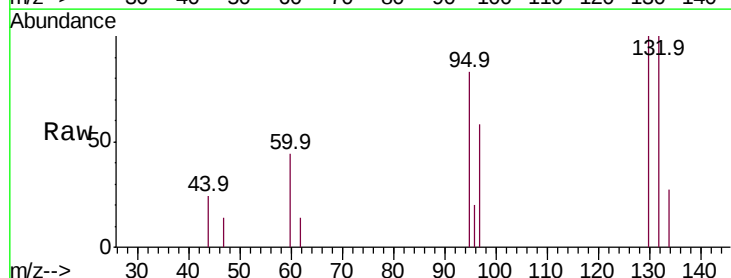
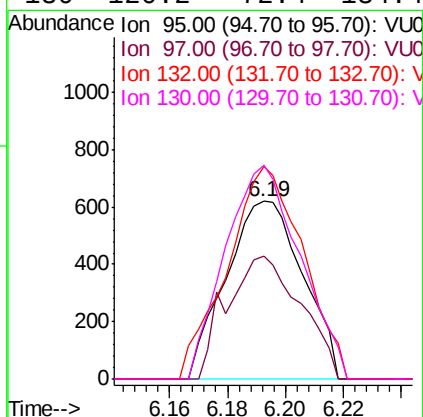
Delta R.T. 0.00 min

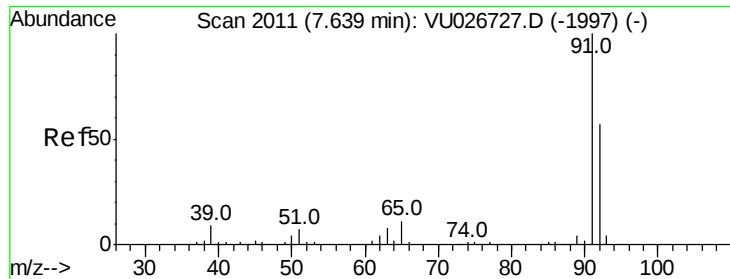
Lab File: VU026735.D

Acq: 13 Sep 2018 19:03

Tgt Ion: 95 Resp: 1142

Ion	Ratio	Lower	Upper
95	100		
97	69.5	44.9	83.5
132	119.7	69.7	129.5
130	120.2	72.4	134.4





#42

Toluene

Concen: 0.600 ug/L

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU026735.D

Acq: 13 Sep 2018 19:03

Instrument :

MSVOA_U

ClientSampleId :

C08K6

Tot Ion: 91 Resp: 3554

Ion Ratio Lower Upper

91 100

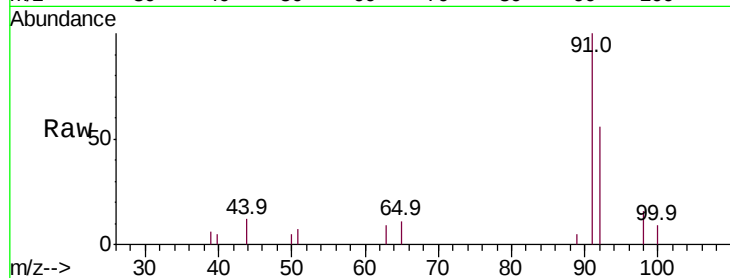
92 56.1 40.3 74.9

Manual Integrations

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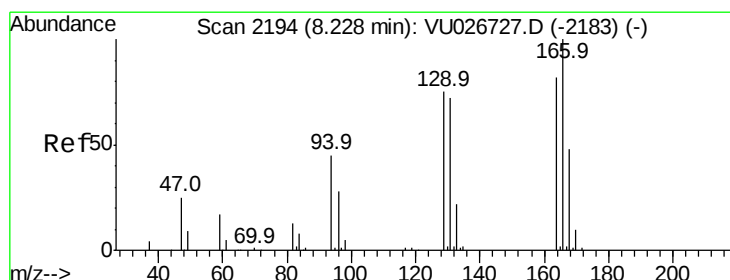
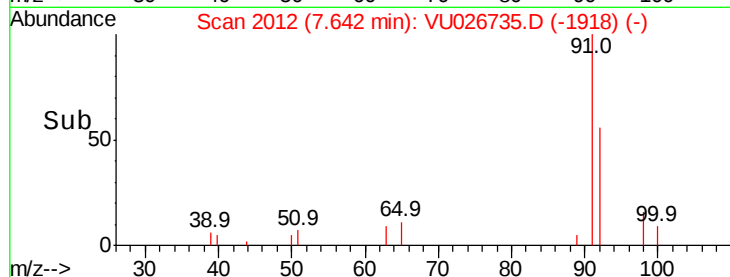
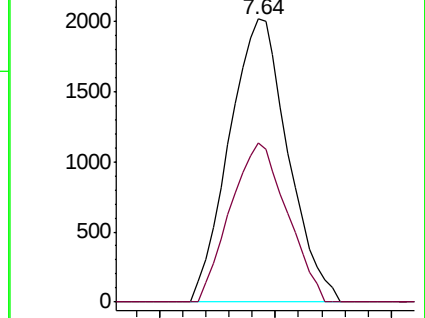
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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#46

Tetrachloroethene

Concen: 2.420 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU026735.D

Acq: 13 Sep 2018 19:03

Tgt Ion: 164 Resp: 2891

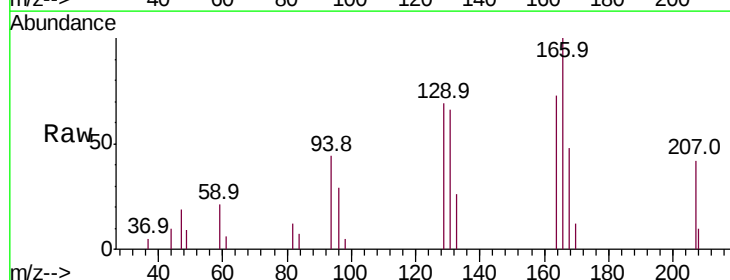
Ion Ratio Lower Upper

164 100

129 94.5 65.0 120.8

131 91.1 62.5 116.1

166 137.4 89.0 165.2

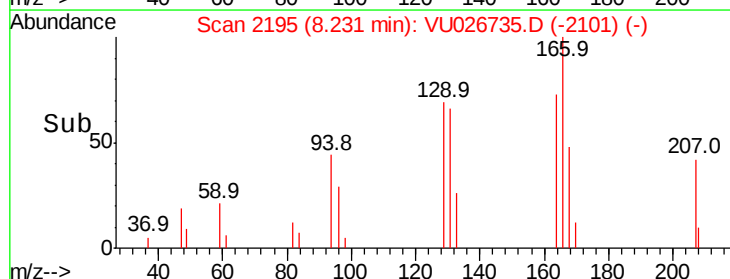
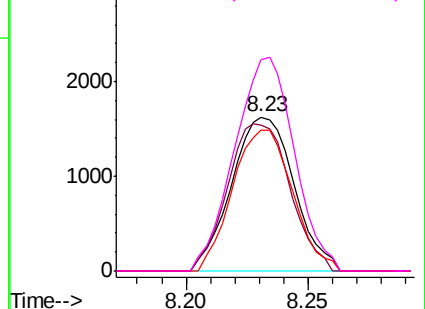


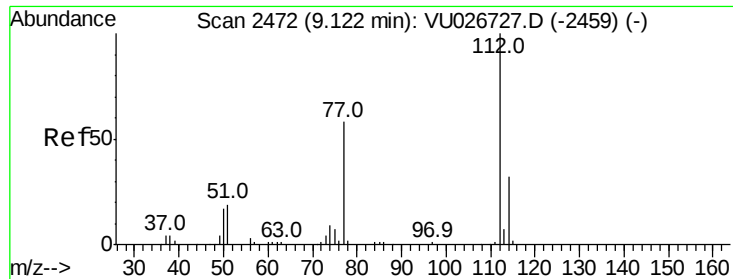
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





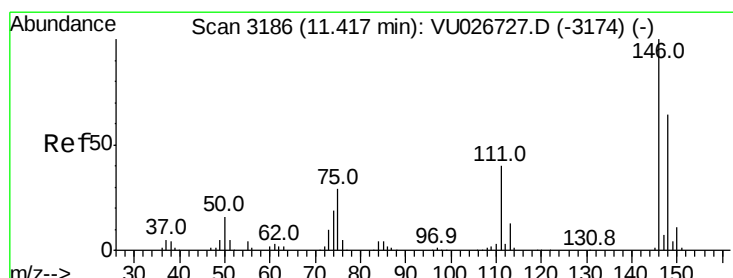
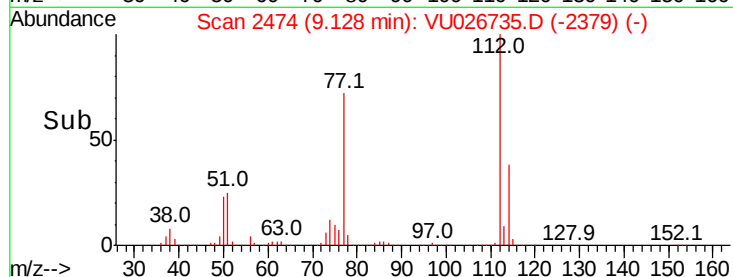
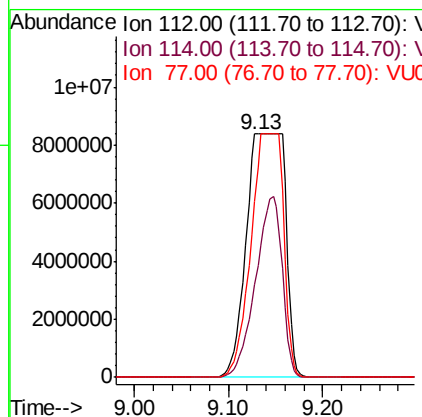
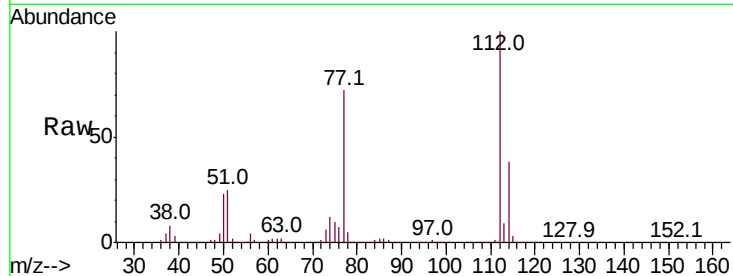
#51
Chlorobenzene
Concen: 6173.998 ug/L m
RT: 9.13 min Scan# 2474
Delta R.T. 0.01 min
Lab File: VU026735.D
Acq: 13 Sep 2018 19:03

Instrument :
MSVOA_U
ClientSampled :
C08K6

Tot Ion:112 Resp:24026369
Ion Ratio Lower Upper
112 100
114 38.0 22.9 42.5
77 72.1 47.2 70.8#

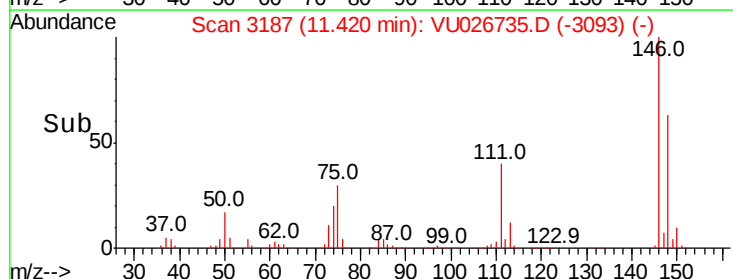
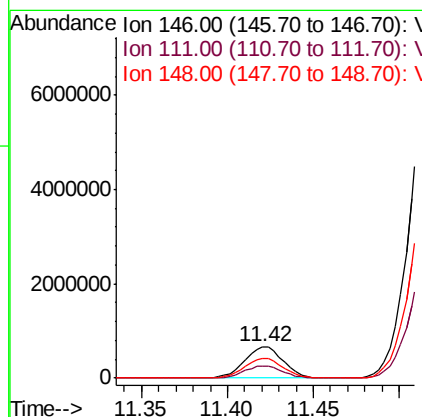
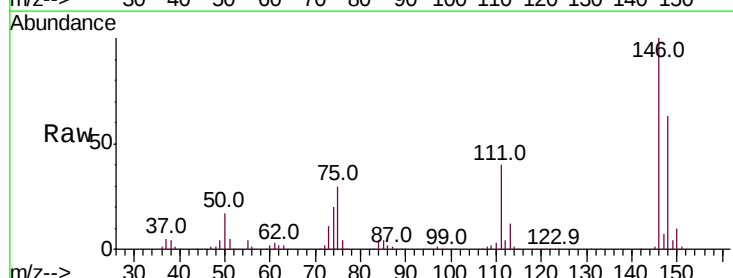
Manual Integrations
APPROVED

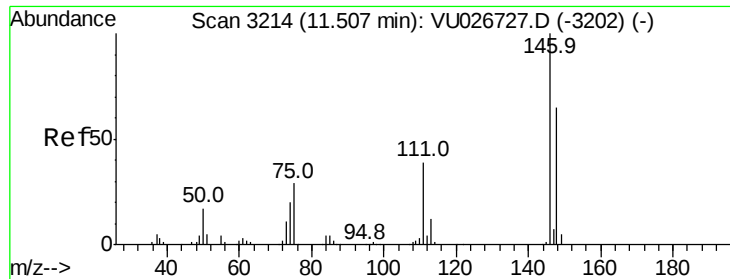
MMDadoda
9/19/2018 1:55:29 PM



#62
1,3-Dichlorobenzene
Concen: 309.564 ug/L
RT: 11.42 min Scan# 3187
Delta R.T. 0.00 min
Lab File: VU026735.D
Acq: 13 Sep 2018 19:03

Tgt Ion:146 Resp: 1030068
Ion Ratio Lower Upper
146 100
111 39.6 26.7 49.5
148 63.3 44.2 82.2





#63

1,4-Dichlorobenzene

Concen: 4517.179 ug/L m

RT: 11.52 min Scan# 3218

Delta R.T. 0.01 min

Lab File: VU026735.D

Acq: 13 Sep 2018 19:03

Instrument :

MSVOA_U

ClientSampled :

C08K6

Tot Ion:146 Resp:15922988

Ion Ratio Lower Upper

146 100

111 47.0 26.5 49.3

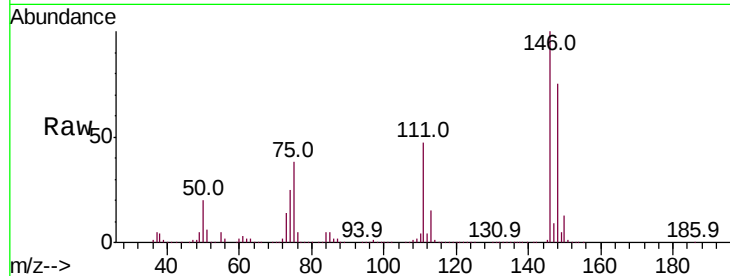
148 74.7 45.2 84.0

Manual Integrations

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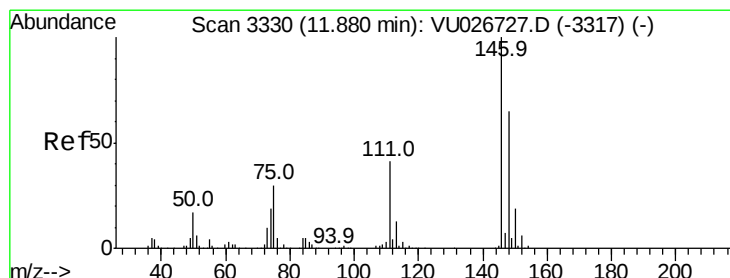
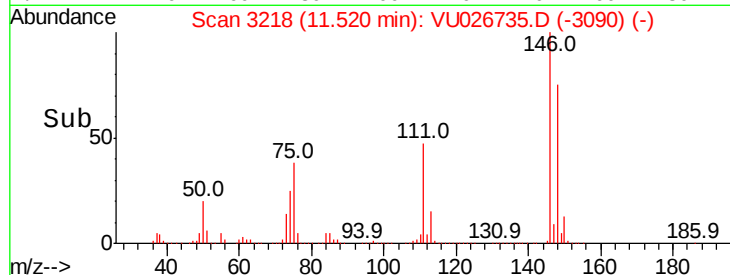
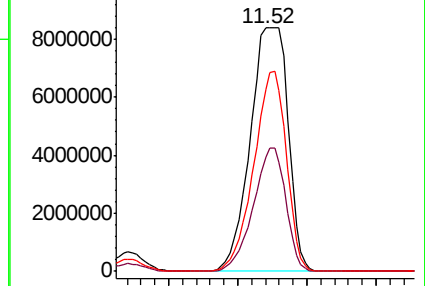
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 4419.141 ug/L m

RT: 11.89 min Scan# 3334

Delta R.T. 0.01 min

Lab File: VU026735.D

Acq: 13 Sep 2018 19:03

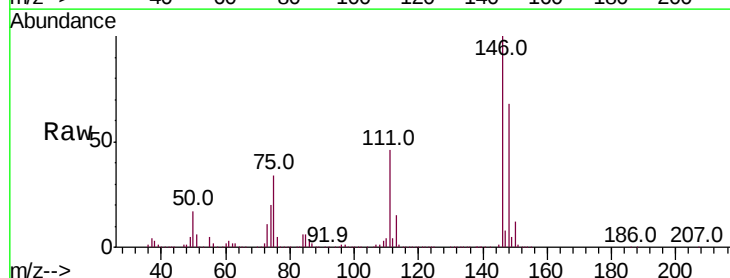
Tgt Ion:146 Resp:15540876

Ion Ratio Lower Upper

146 100

111 45.6 32.8 49.2

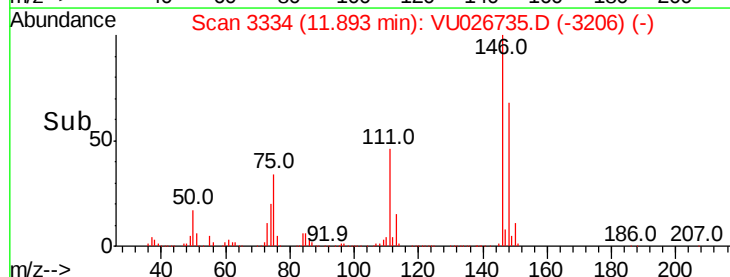
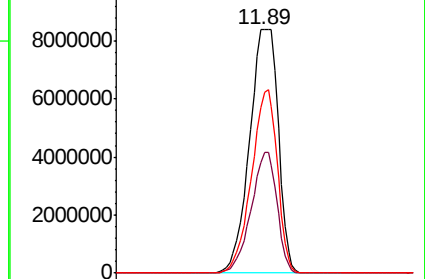
148 68.1 52.2 78.4

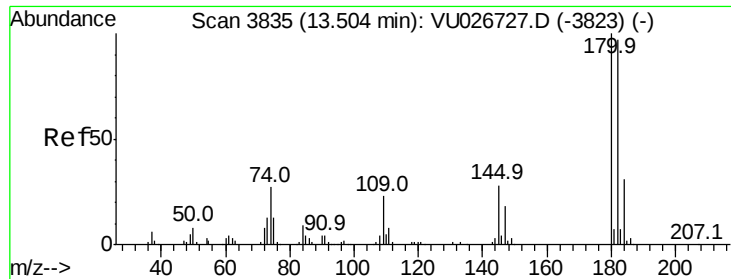


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





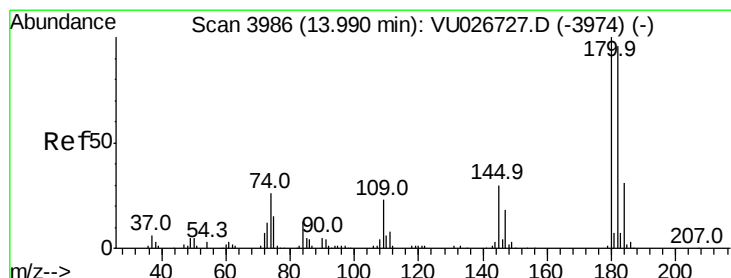
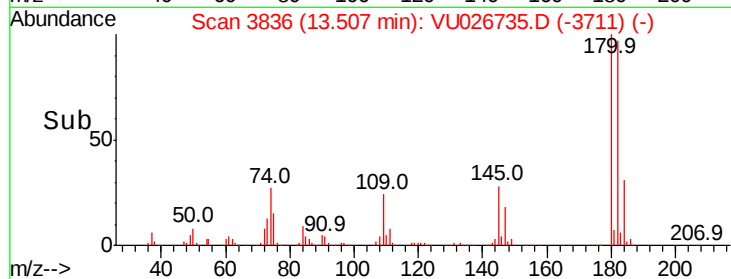
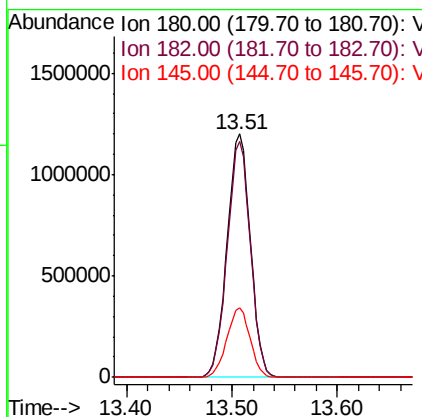
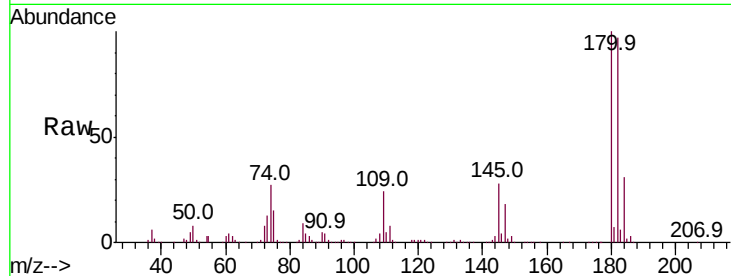
#68
 1,2,4-trichlorobenzene
 Concen: 797.006 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026735.D
 Acq: 13 Sep 2018 19:03

Instrument :
 MSVOA_U
 ClientSampled :
 C08K6

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
145	28.4	23.4	35.0

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#70
 1,2,3-Trichlorobenzene
 Concen: 129.756 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026735.D
 Acq: 13 Sep 2018 19:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.7	115.1
145	29.4	23.0	34.6

