

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091518\
 Data File : VU026737.D
 Acq On : 13 Sep 2018 19:49
 Operator : MD/SY
 Sample : J4893-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L5

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 1:55:41 PM

Quant Time: Sep 19 13:41:42 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	200982	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.12	117	224151	50.00	ug/L	0.03
60) 1,4-Dichlorobenzene-d4	11.51	152	140318	50.00	ug/L	0.03

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63551	42.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.86%
7) Chloroethane-d5	1.68	69	50726	42.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.06%
11) 1,1-Dichloroethene-d2	2.27	63	88152	32.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.78%
21) 2-Butanone-d5	4.18	46	86756	93.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.08%
24) Chloroform-d	4.65	84	100840	40.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.98%
26) 1,2-Dichloroethane-d4	5.32	65	68724	42.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.32%
32) Benzene-d6	5.35	84	218964	37.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.48%
36) 1,2-Dichloropropane-d6	6.33	67	71836	36.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	73.80%
41) Toluene-d8	7.57	98	202812	37.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.52%#
43) trans-1,3-Dichloropropene-	7.85	79	32010	35.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.74%
47) 2-Hexanone-d5	8.31	63	64196	80.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	97814	36.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	73.40%
64) 1,2-Dichlorobenzene-d4	11.89	152	113681	40.64	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	1280	0.591	ug/L	98
13) Acetone	2.32	43	1813	1.708	ug/L	84
29) Cyclohexane	5.00	56	12652	5.153	ug/L #	93
31) Carbon tetrachloride	5.14	117	74900	34.896	ug/L	98
33) Benzene	5.39	78	31369267m	4997.460	ug/L	
34) Trichloroethene	6.19	95	3290	2.109	ug/L	89
35) Methylcyclohexane	6.42	83	6404	2.564	ug/L #	78
42) Toluene	7.64	91	9272	1.425	ug/L	95
46) Tetrachloroethene	8.23	164	8866	6.762	ug/L	93
51) Chlorobenzene	9.13	112	38618794m	9040.316	ug/L	
62) 1,3-Dichlorobenzene	11.43	146	3115970	773.385	ug/L	98
63) 1,4-Dichlorobenzene	11.52	146	28317259m	6634.551	ug/L	
65) 1,2-Dichlorobenzene	11.89	146	24189018m	5680.652	ug/L	
68) 1,2,4-trichlorobenzene	13.51	180	5145964	1852.583	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	366431	121.784	ug/L	99

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MSVOA_U
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C08L5

Manual Integrations
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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)

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

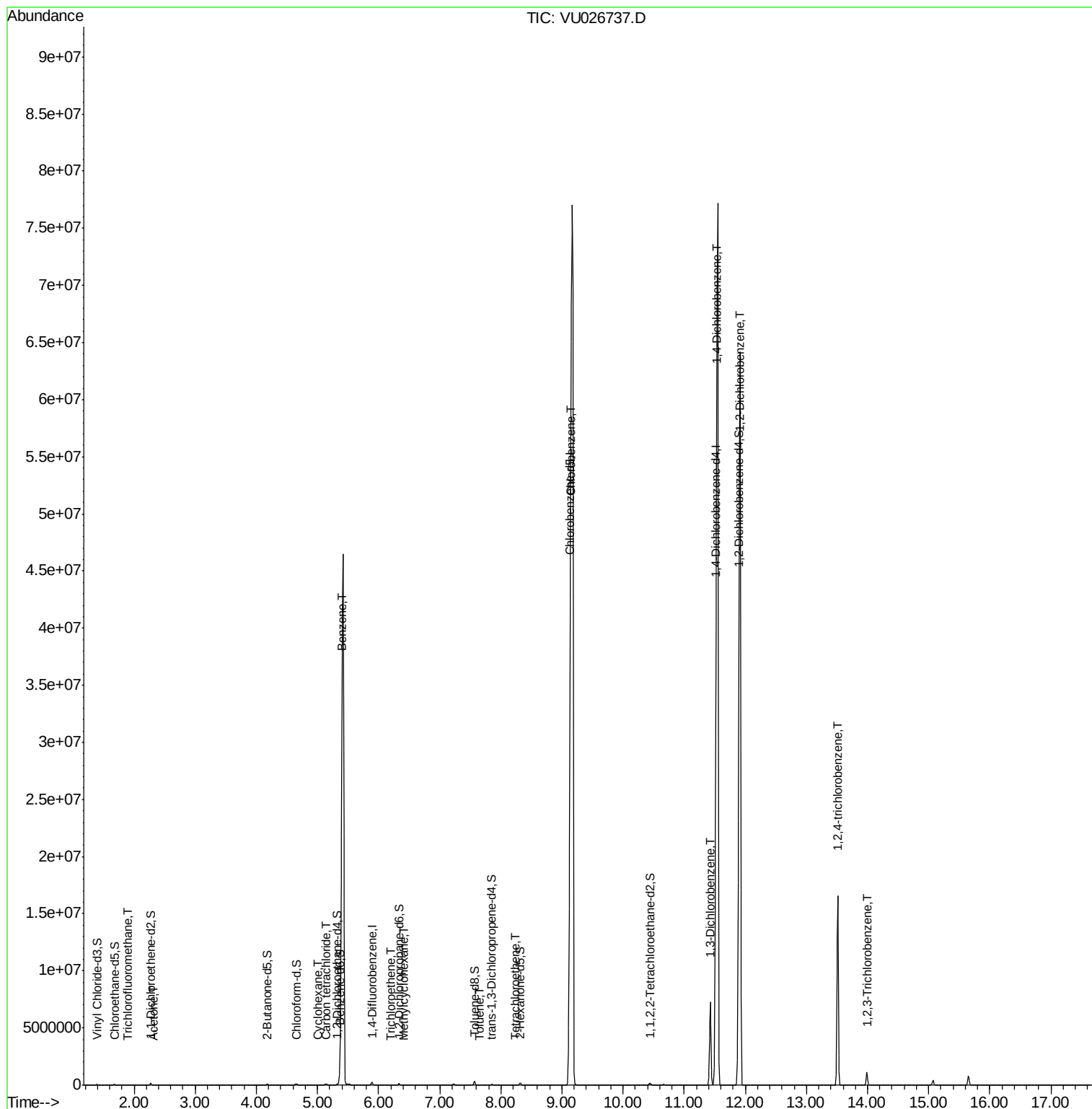
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Data File : VU026737.D
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Operator : MD/SY
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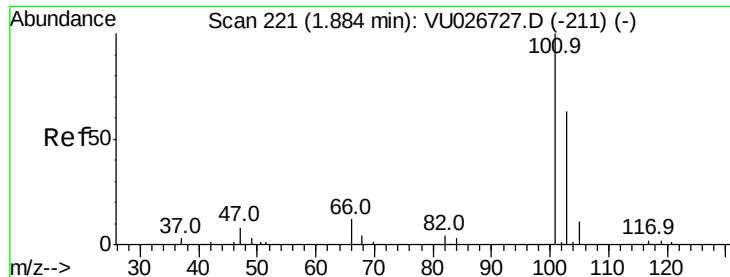
Instrument :
MSVOA_U
ClientSampleId :
C08L5

Manual Integrations
APPROVED

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#9

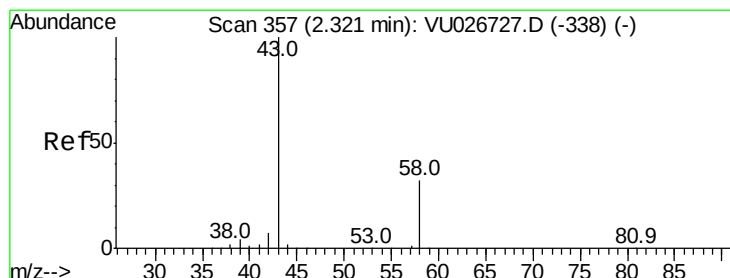
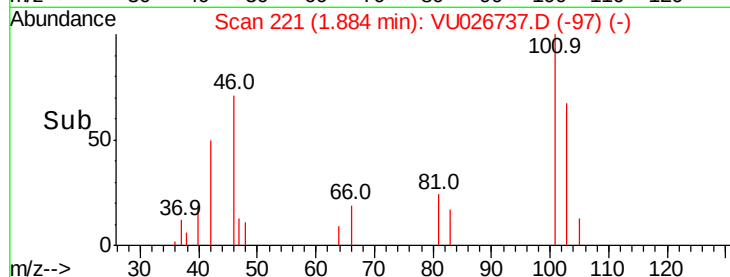
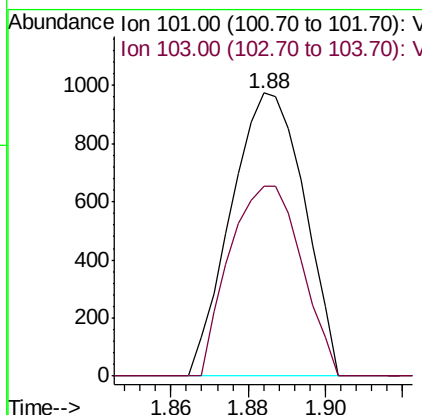
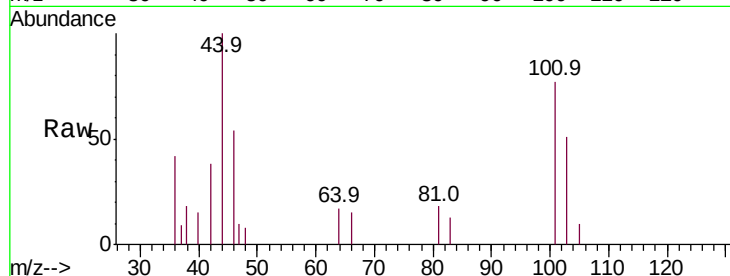
Trichlorofluoromethane
 Concen: 0.591 ug/L
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU026737.D
 Acq: 13 Sep 2018 19:49

Instrument :
 MSVOA_U
 ClientSampled :
 C08L5

Tot Ion:101 Resp: 1280
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.8 77.6

Manual Integrations
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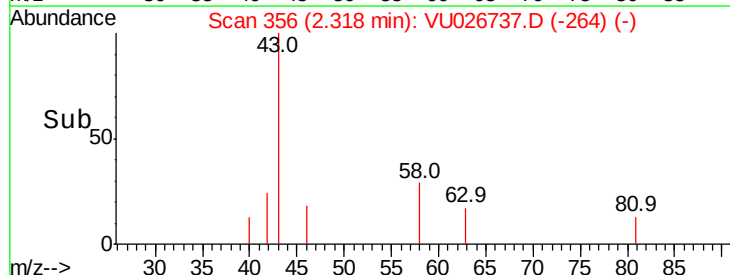
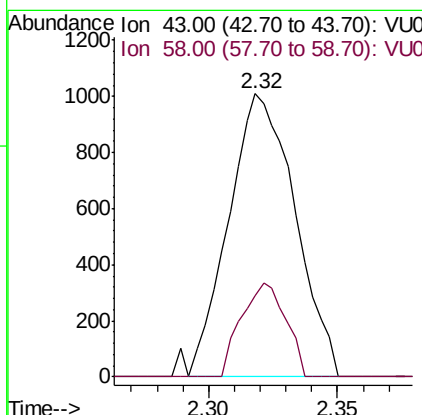
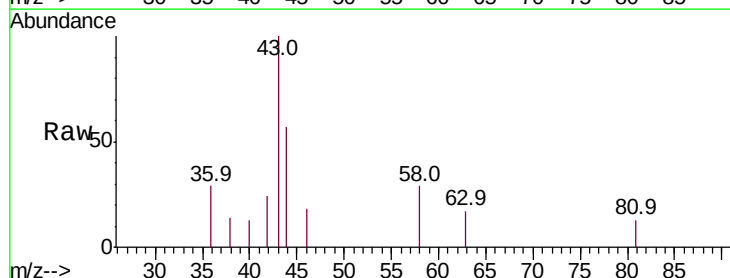
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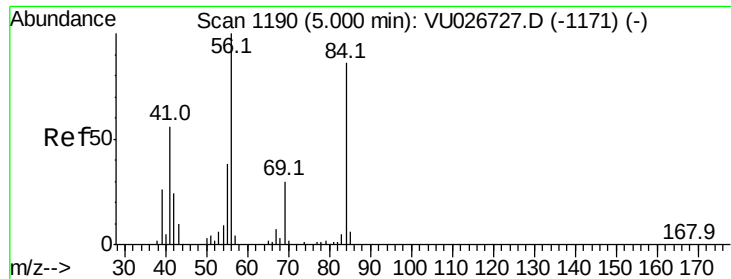


#13

Acetone
 Concen: 1.708 ug/L
 RT: 2.32 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VU026737.D
 Acq: 13 Sep 2018 19:49

Tgt Ion: 43 Resp: 1813
 Ion Ratio Lower Upper
 43 100
 58 22.3 0.0 62.8





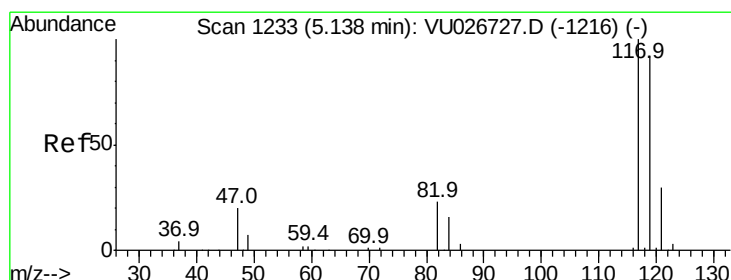
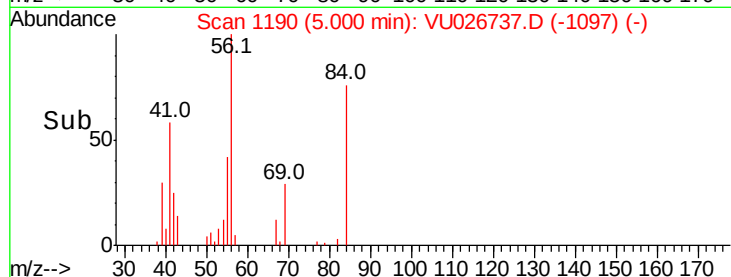
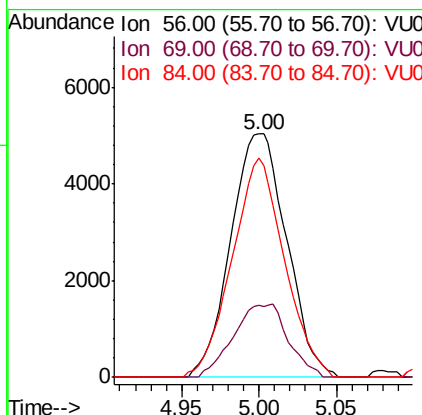
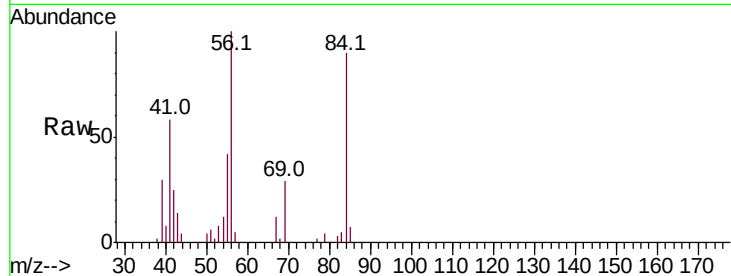
#29
Cyclohexane
Concen: 5.153 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VU026737.D
Acq: 13 Sep 2018 19:49

Instrument :
MSVOA_U
ClientSampled :
C08L5

Tot Ion	Ratio	Lower	Upper
56	100		
69	17.0	23.0	34.6#
84	84.2	66.5	99.7

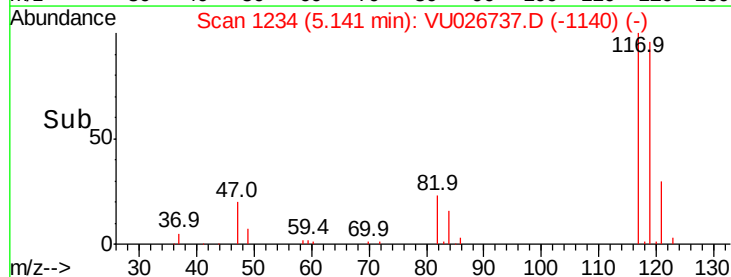
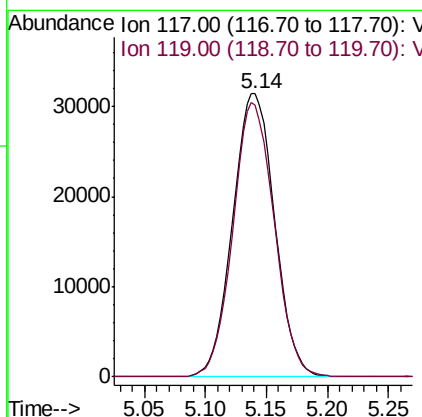
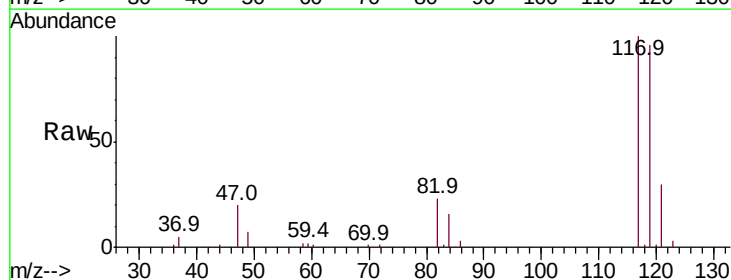
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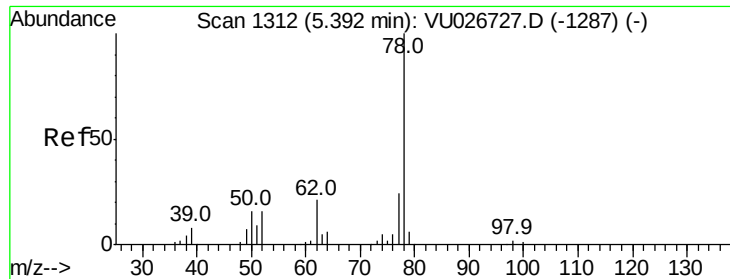
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#31
Carbon tetrachloride
Concen: 34.896 ug/L
RT: 5.14 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU026737.D
Acq: 13 Sep 2018 19:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.6	116.4





#33

Benzene

Concen: 4997.460 ug/L m

RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU026737.D

Acq: 13 Sep 2018 19:49

Instrument :

MSVOA_U

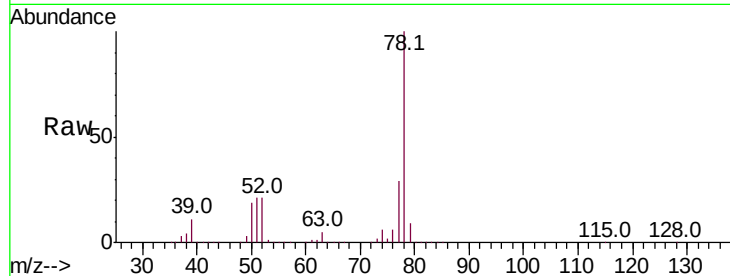
ClientSampleId :

C08L5

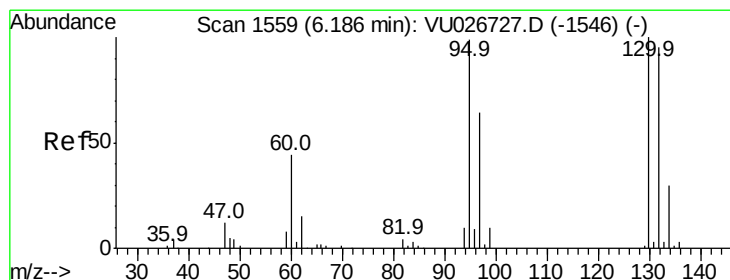
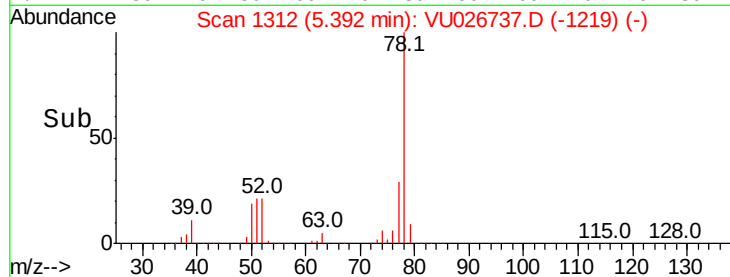
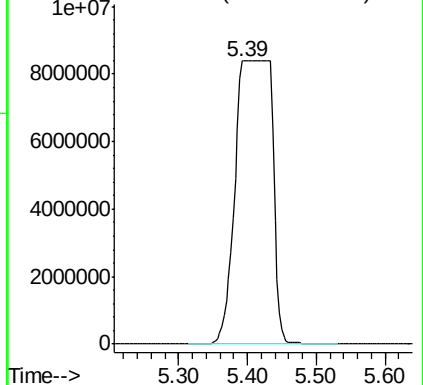
Tgt Ion: 78 Resp:31369267

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Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 2.109 ug/L

RT: 6.19 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VU026737.D

Acq: 13 Sep 2018 19:49

Tgt Ion: 95 Resp: 3290

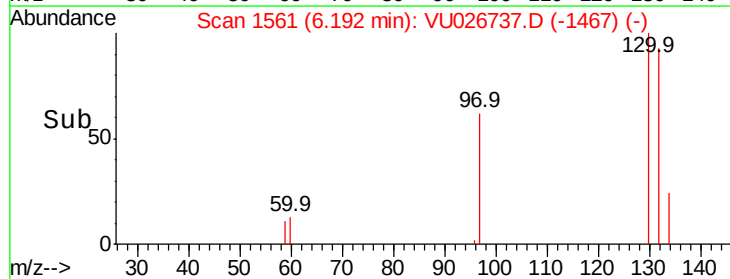
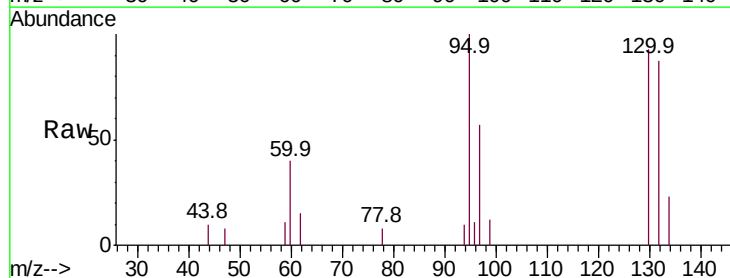
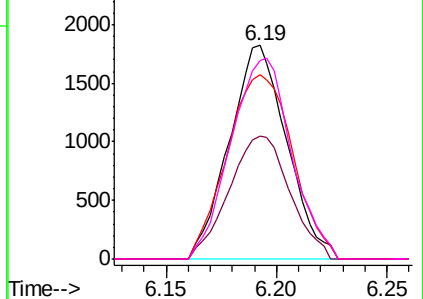
Ion	Ratio	Lower	Upper
95	100		
97	57.4	44.9	83.5
132	86.6	69.7	129.5
130	92.7	72.4	134.4

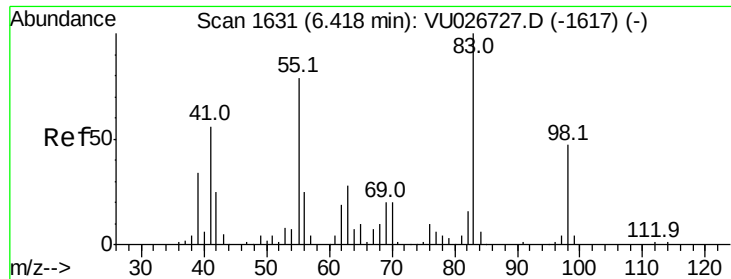
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





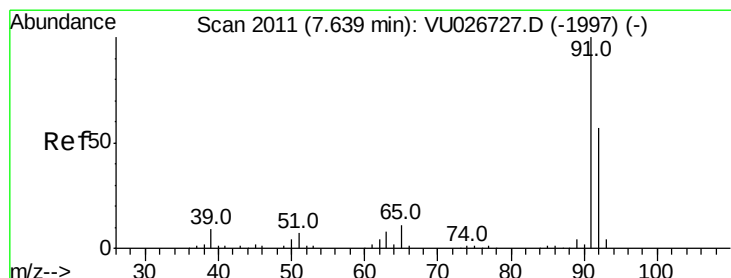
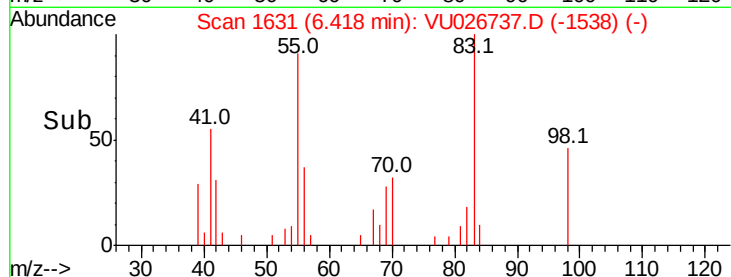
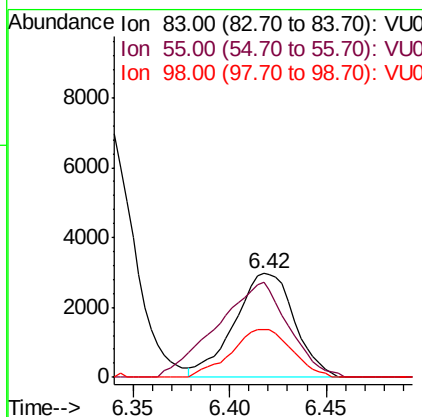
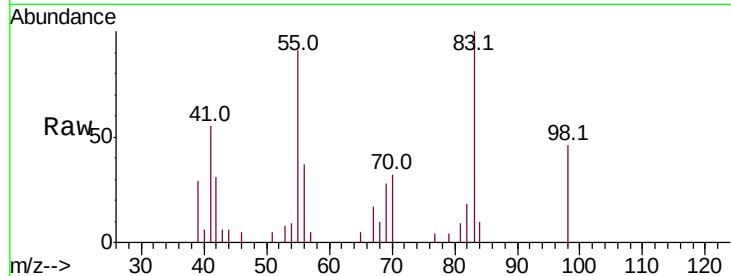
#35
Methylvlcyclohexane
Concen: 2.564 ug/L
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU026737.D
Acq: 13 Sep 2018 19:49

Instrument :
MSVOA_U
ClientSampleId :
C08L5

Tot Ion	Ratio	Lower	Upper
83	100		
55	108.8	62.9	94.3#
98	46.7	37.0	55.4

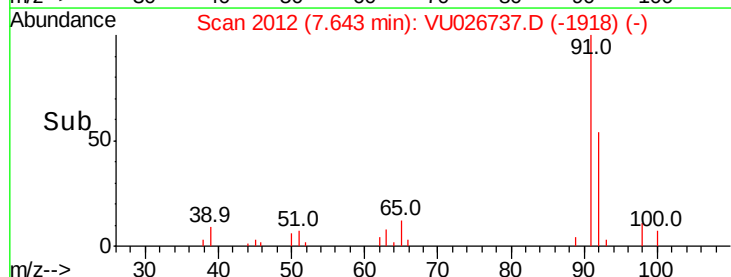
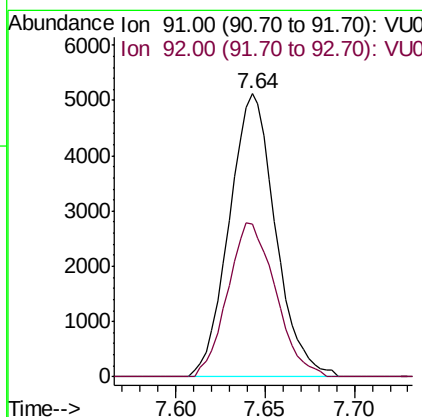
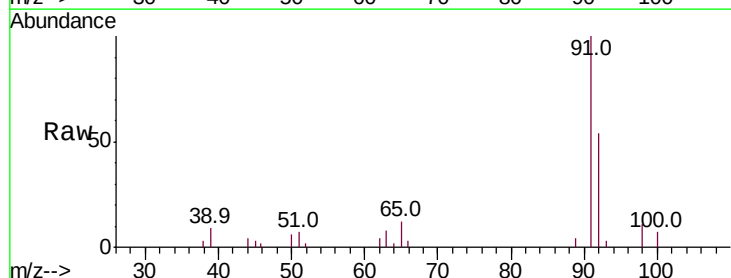
Manual Integrations
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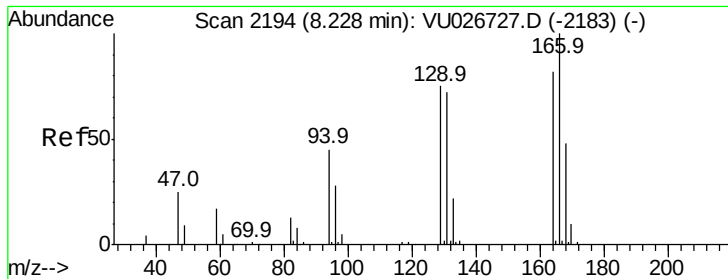
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#42
Toluene
Concen: 1.425 ug/L
RT: 7.64 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU026737.D
Acq: 13 Sep 2018 19:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.0	40.3	74.9





#46

Tetrachloroethene

Concen: 6.762 ug/L

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU026737.D

Acq: 13 Sep 2018 19:49

Instrument :

MSVOA_U

ClientSampleId :

C08L5

Tot Ion:164 Resp: 8866

Ion Ratio Lower Upper

164 100

129 95.5 65.0 120.8

131 77.3 62.5 116.1

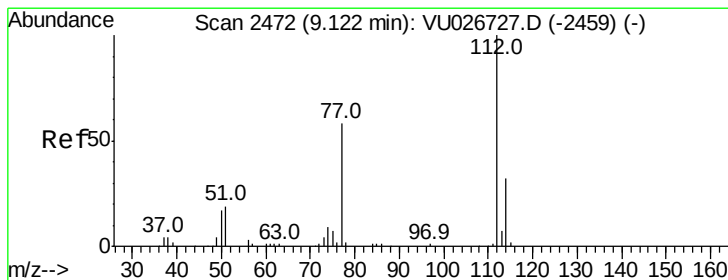
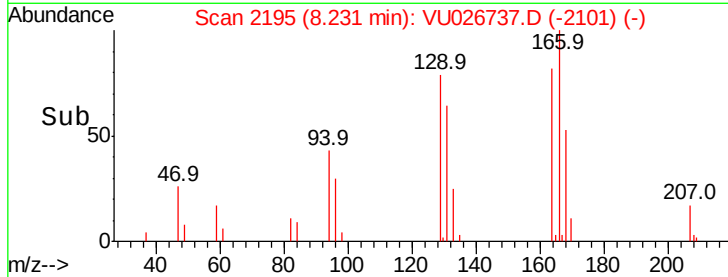
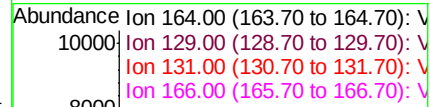
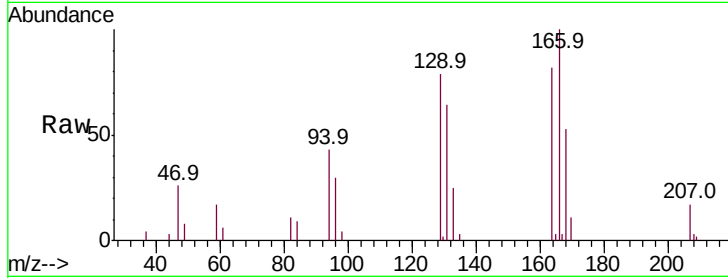
166 121.4 89.0 165.2

Manual Integrations

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#51

Chlorobenzene

Concen: 9040.316 ug/L m

RT: 9.13 min Scan# 2474

Delta R.T. 0.01 min

Lab File: VU026737.D

Acq: 13 Sep 2018 19:49

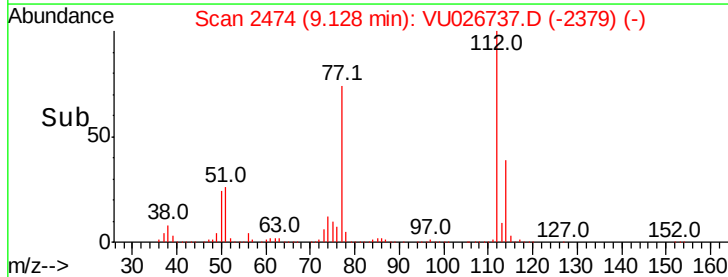
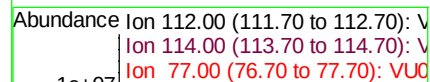
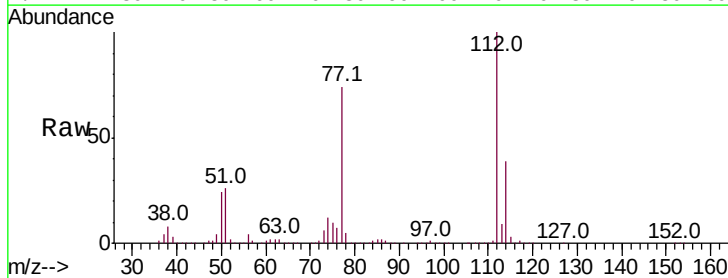
Tgt Ion:112 Resp:38618794

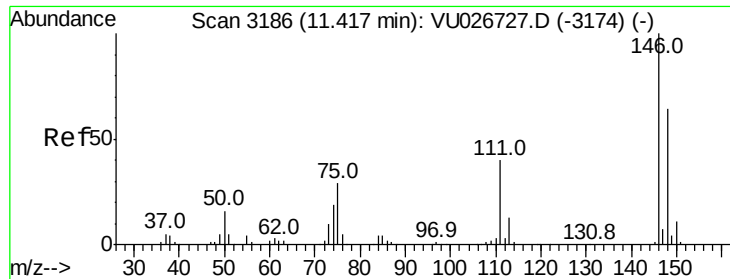
Ion Ratio Lower Upper

112 100

114 39.1 22.9 42.5

77 74.2 47.2 70.8#





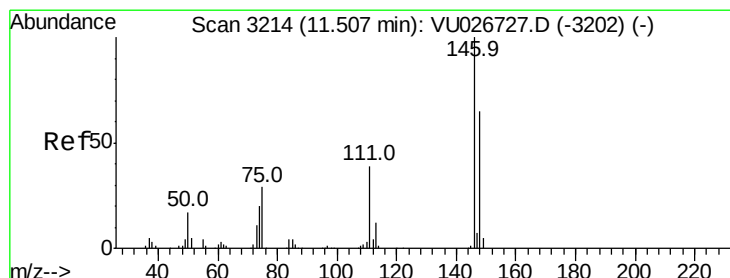
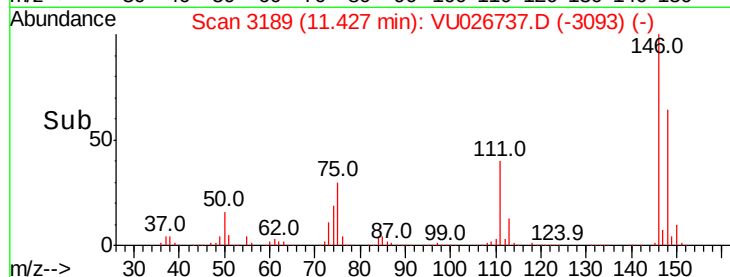
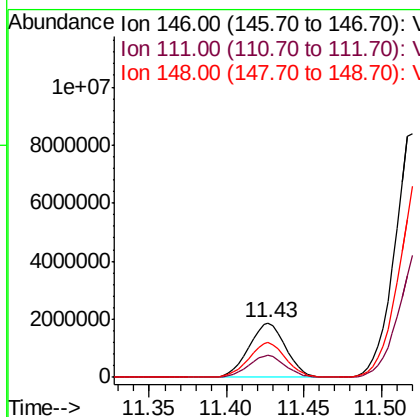
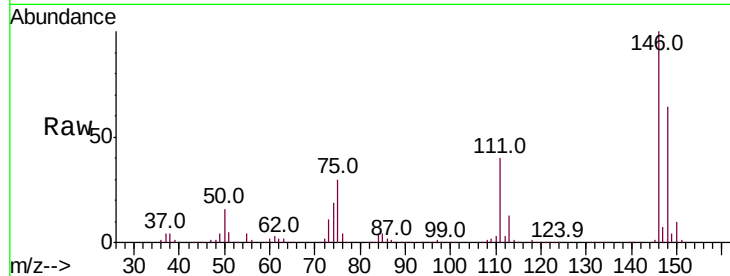
#62
 1,3-Dichlorobenzene
 Concen: 773.385 ug/L
 RT: 11.43 min Scan# 3189
 Delta R.T. 0.01 min
 Lab File: VU026737.D
 Acq: 13 Sep 2018 19:49

Instrument :
 MSVOA_U
 ClientSampled :
 C08L5

Tot Ion:146 Resp: 3115970
 Ion Ratio Lower Upper
 146 100
 111 39.9 26.7 49.5
 148 63.9 44.2 82.2

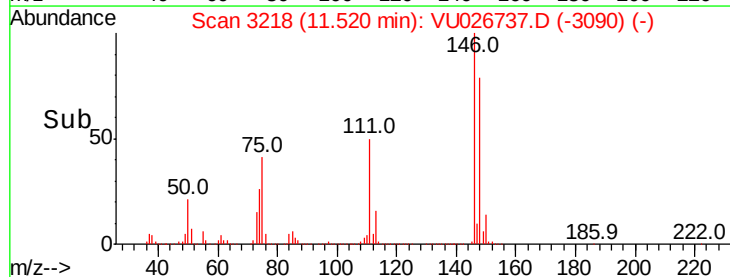
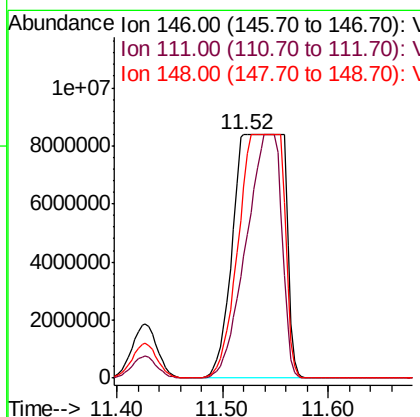
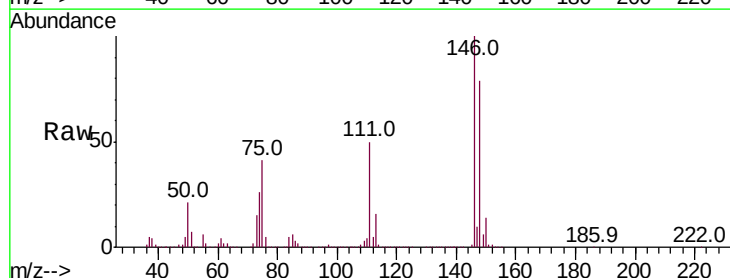
Manual Integrations
 APPROVED

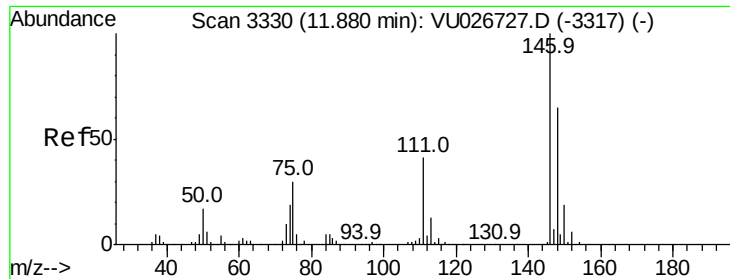
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#63
 1,4-Dichlorobenzene
 Concen: 6634.551 ug/L m
 RT: 11.52 min Scan# 3218
 Delta R.T. 0.01 min
 Lab File: VU026737.D
 Acq: 13 Sep 2018 19:49

Tgt Ion:146 Resp:28317259
 Ion Ratio Lower Upper
 146 100
 111 50.1 26.5 49.3#
 148 78.5 45.2 84.0





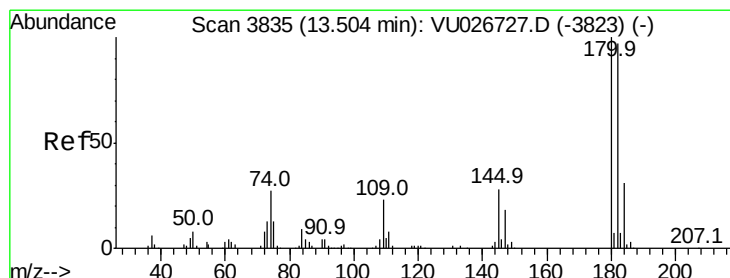
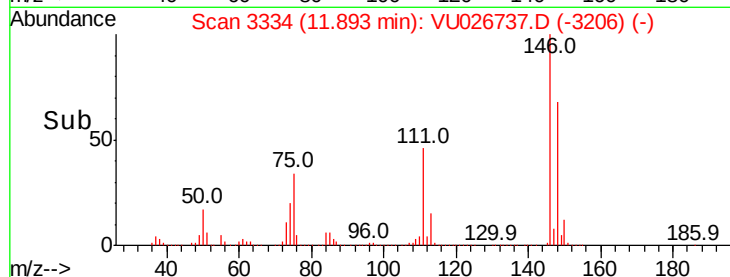
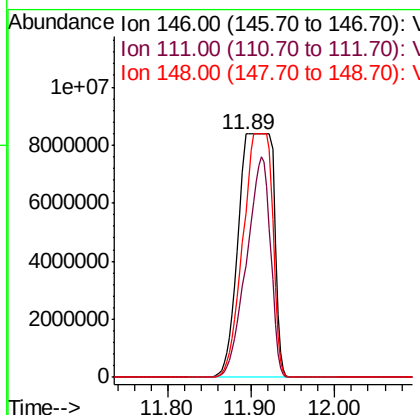
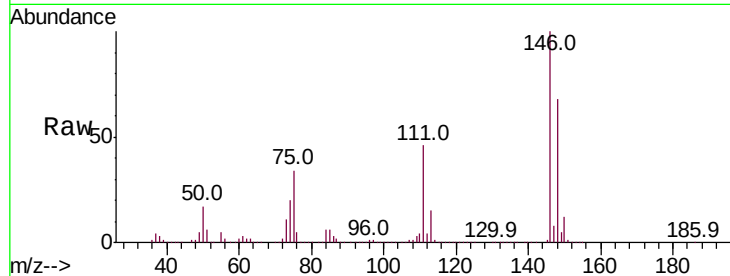
#65
 1,2-Dichlorobenzene
 Concen: 5680.652 ug/L m
 RT: 11.89 min Scan# 3334
 Delta R.T. 0.01 min
 Lab File: VU026737.D
 Acq: 13 Sep 2018 19:49

Instrument :
 MSVOA_U
 ClientSampled :
 C08L5

Tot Ion:146 Resp:24189018
 Ion Ratio Lower Upper
 146 100
 111 45.9 32.8 49.2
 148 67.6 52.2 78.4

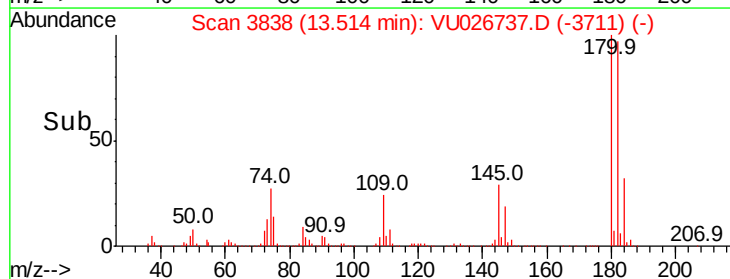
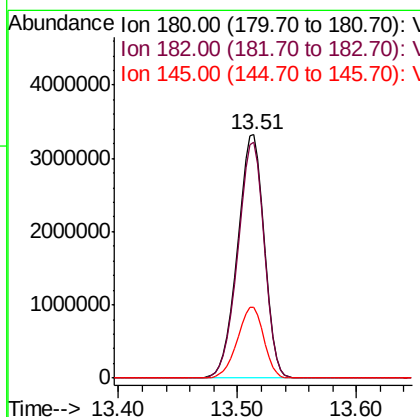
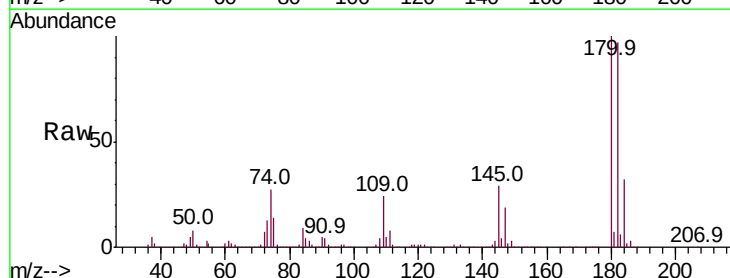
Manual Integrations
 APPROVED

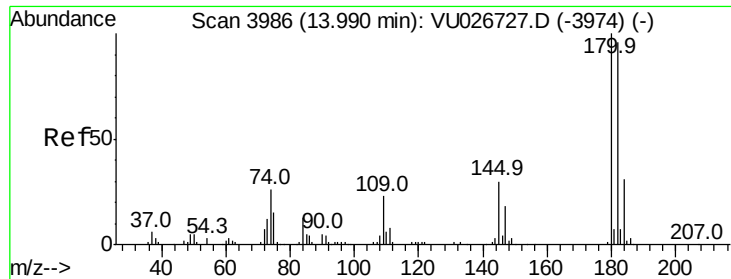
MMDadoda
 9/19/2018 1:55:41 PM



#68
 1,2,4-trichlorobenzene
 Concen: 1852.583 ug/L
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU026737.D
 Acq: 13 Sep 2018 19:49

Tgt Ion:180 Resp: 5145964
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.0 114.0
 145 29.0 23.4 35.0





#70
 1,2,3-Trichlorobenzene
 Concen: 121.784 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026737.D
 Acq: 13 Sep 2018 19:49

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L5

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.4	76.7	115.1
145	29.9	23.0	34.6

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 1:55:41 PM

