

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
 Data File : VU026940.D
 Acq On : 20 Sep 2018 15:48
 Operator : MD/SY
 Sample : J4893-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L5

Manual Integrations
 APPROVED

sam
 9/21/2018 6:25:48 PM

Quant Time: Sep 21 15:33:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 21 04:24:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	286280	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.12	117	282663	50.00	ug/L	0.03
60) 1,4-Dichlorobenzene-d4	11.50	152	183801	50.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	77840	36.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.52%
7) Chloroethane-d5	1.68	69	66563	36.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.44%
11) 1,1-Dichloroethene-d2	2.27	63	111451	27.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.62%#
21) 2-Butanone-d5	4.18	46	112366	79.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.96%
24) Chloroform-d	4.65	84	135001	34.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.74%#
26) 1,2-Dichloroethane-d4	5.32	65	88031	35.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.18%
32) Benzene-d6	5.35	84	290081	36.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.24%
36) 1,2-Dichloropropane-d6	6.33	67	89646	35.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	70.24%
41) Toluene-d8	7.57	98	257578	35.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.98%#
43) trans-1,3-Dichloropropene-	7.85	79	40867	35.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.72%
47) 2-Hexanone-d5	8.31	63	81939	81.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	126392	35.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	71.02%
64) 1,2-Dichlorobenzene-d4	11.88	152	139283	36.43	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	72.86%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.89	101	1795	0.538	ug/L	92
18) Methyl tert-butyl Ether	3.00	73	2758	0.461	ug/L #	28
29) Cyclohexane	5.00	56	16102	4.906	ug/L	98
31) Carbon tetrachloride	5.14	117	101191	33.580	ug/L	100
33) Benzene	5.39	78	33106192m	3777.680	ug/L	
34) Trichloroethene	6.19	95	4154	1.975	ug/L	91
35) Methylcyclohexane	6.42	83	8284	2.417	ug/L #	77
42) Toluene	7.64	91	11662	1.315	ug/L	100
46) Tetrachloroethene	8.23	164	12470	6.689	ug/L	97
51) Chlorobenzene	9.12	112	39591580m	6579.276	ug/L	
62) 1,3-Dichlorobenzene	11.43	146	4221397	753.403	ug/L	99
63) 1,4-Dichlorobenzene	11.52	146	29259460m	4742.396	ug/L	
65) 1,2-Dichlorobenzene	11.89	146	25537533m	4116.218	ug/L	
68) 1,2,4-trichlorobenzene	13.51	180	6565544	1757.188	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	507375	123.311	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\
Data File : VU026940.D
Acq On : 20 Sep 2018 15:48
Operator : MD/SY
Sample : J4893-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C08L5

Manual Integrations
APPROVED

sam
9/21/2018 6:25:48 PM

Quant Time: Sep 21 15:33:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

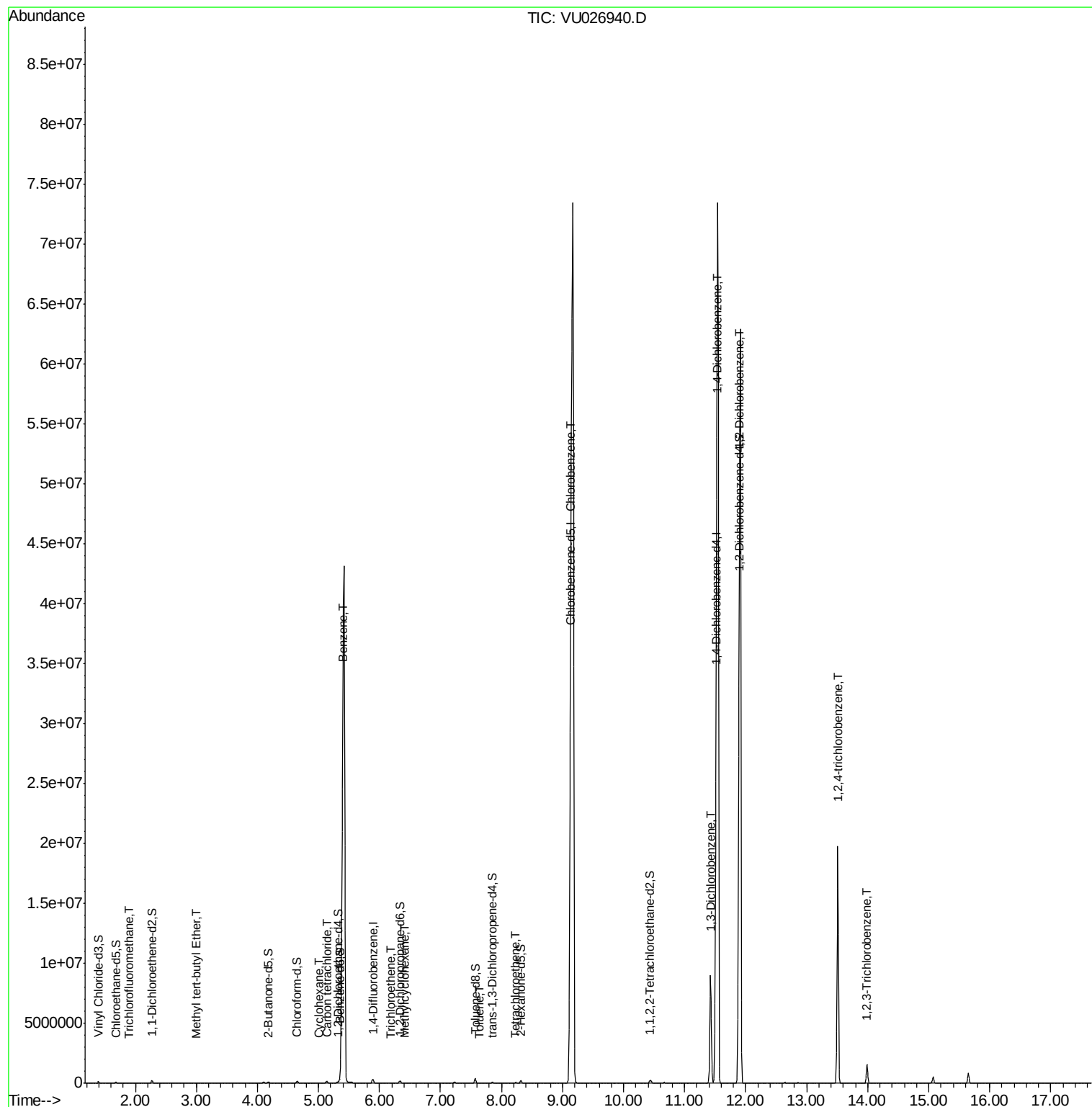
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092118\
Data File : VU026940.D
Acq On : 20 Sep 2018 15:48
Operator : MD/SY
Sample : J4893-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

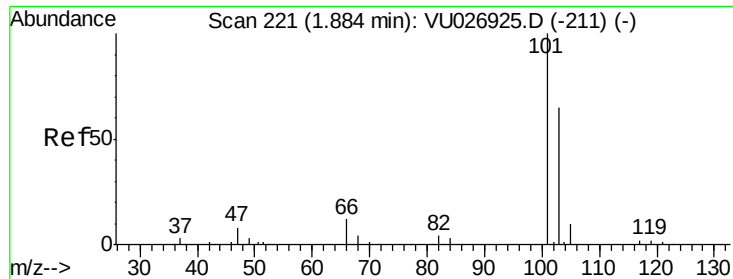
Instrument :
MSVOA_U
ClientSampleId :
C08L5

Manual Integrations
APPROVED

sam
9/21/2018 6:25:48 PM

Quant Time: Sep 21 15:33:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration





#9

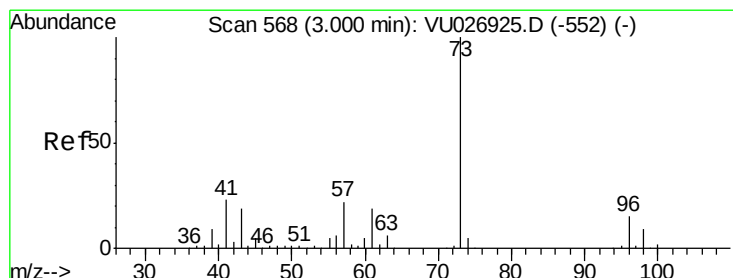
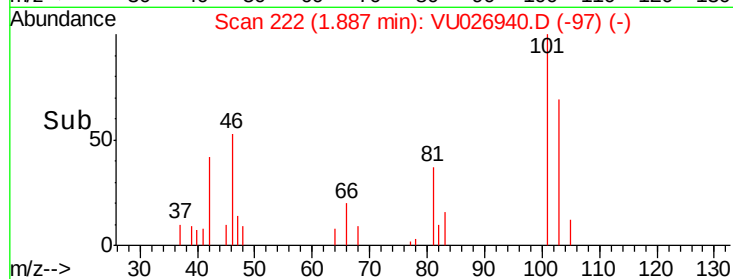
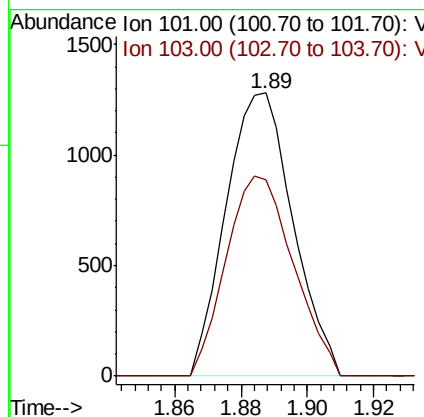
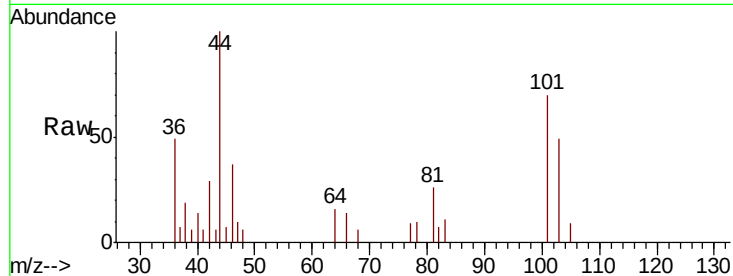
Trichlorofluoromethane
 Concen: 0.538 ug/L
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU026940.D
 Acq: 20 Sep 2018 15:48

Instrument :
 MSVOA_U
 ClientSampled :
 C08L5

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.9	51.9	77.9

Manual Integrations
 APPROVED

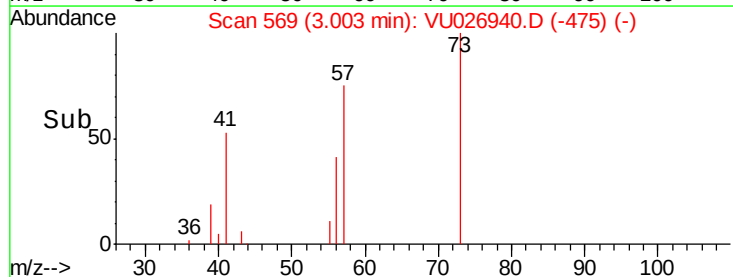
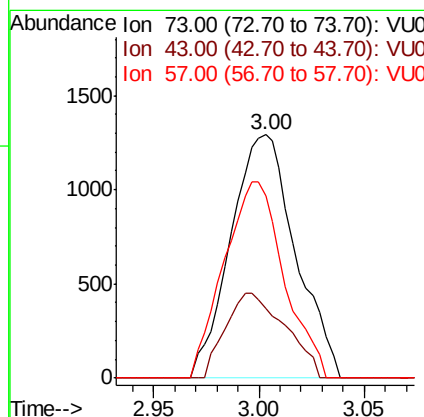
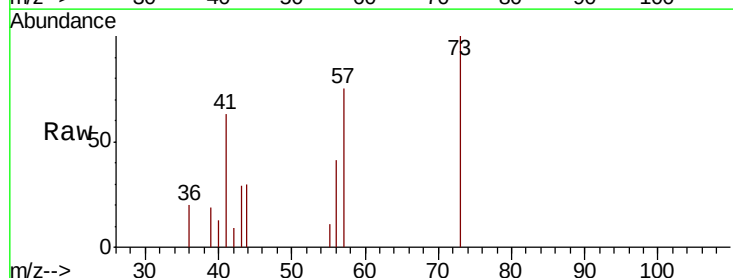
sam
 9/21/2018 6:25:48 PM

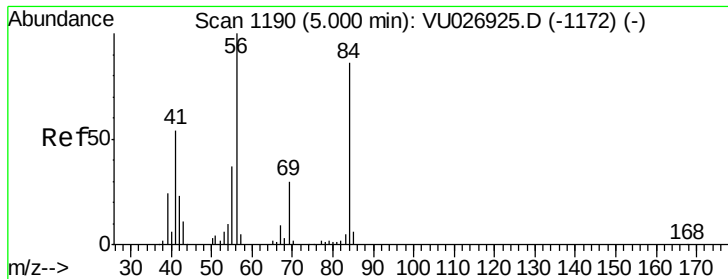


#18

Methyl tert-butyl Ether
 Concen: 0.461 ug/L
 RT: 3.00 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU026940.D
 Acq: 20 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
73	100		
43	32.2	15.3	22.9#
57	74.7	18.1	27.1#





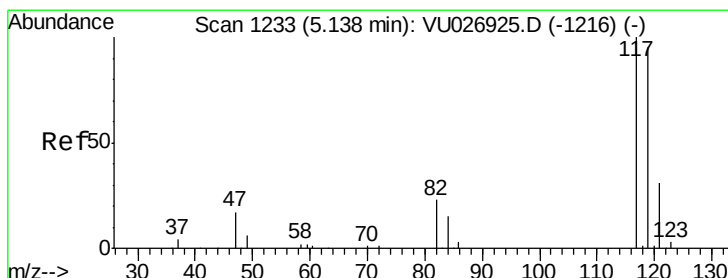
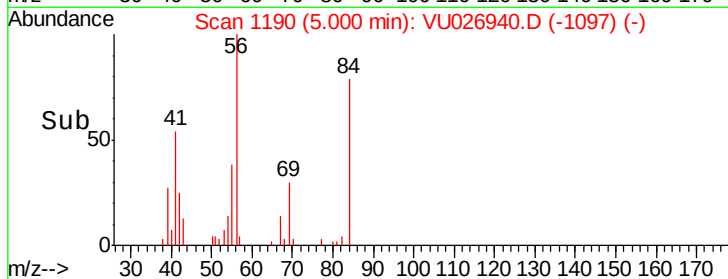
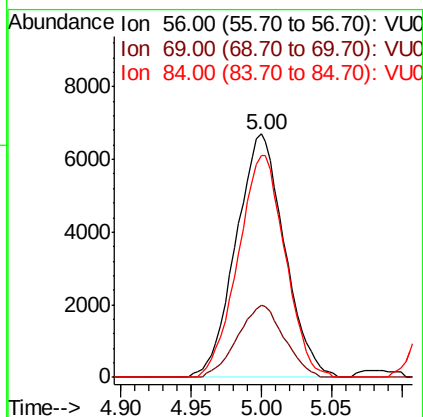
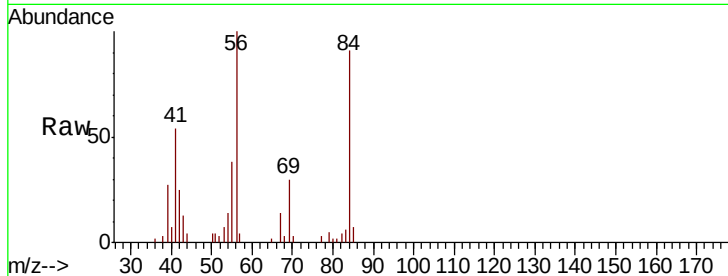
#29
Cyclohexane
Concen: 4.906 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU026940.D
Acq: 20 Sep 2018 15:48

Instrument :
MSVOA_U
ClientSampled :
C08L5

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.5	23.7	35.5
84	88.4	69.0	103.4

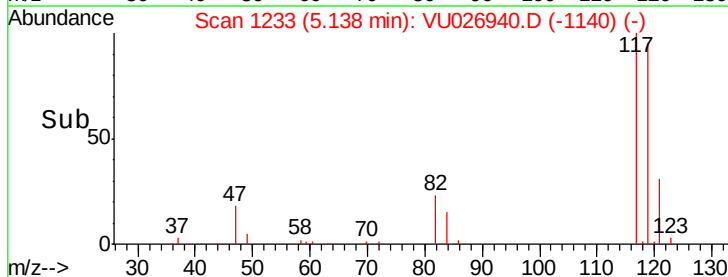
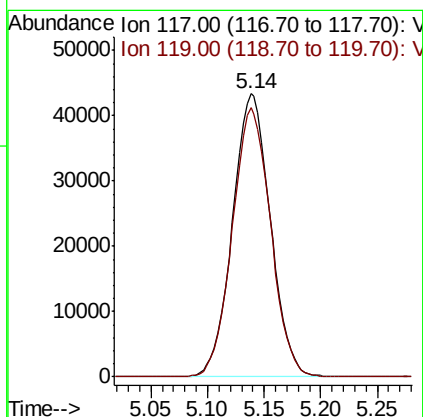
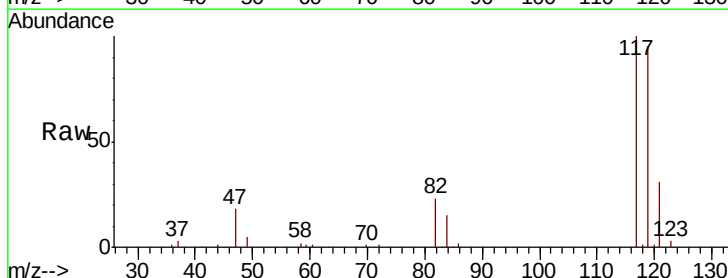
Manual Integrations
APPROVED

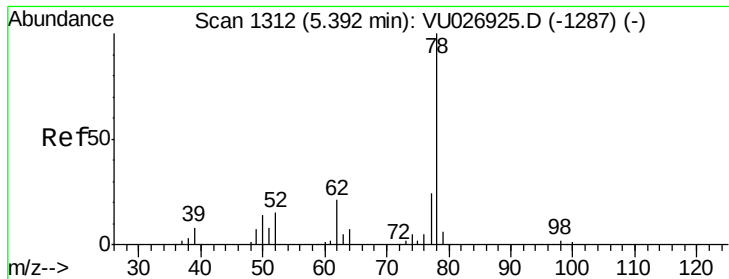
sam
9/21/2018 6:25:48 PM



#31
Carbon tetrachloride
Concen: 33.580 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026940.D
Acq: 20 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.3	114.5





#33

Benzene

Concen: 3777.680 ug/L m

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU026940.D

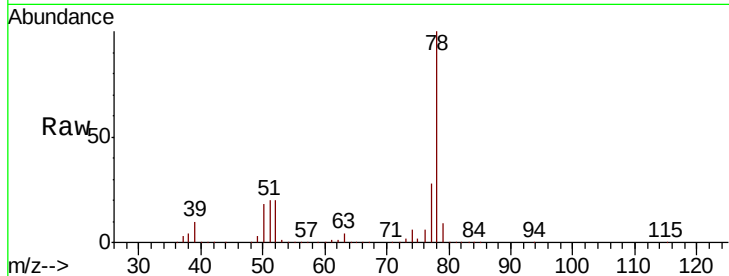
Acq: 20 Sep 2018 15:48

Tgt Ion: 78 Resp:33106192

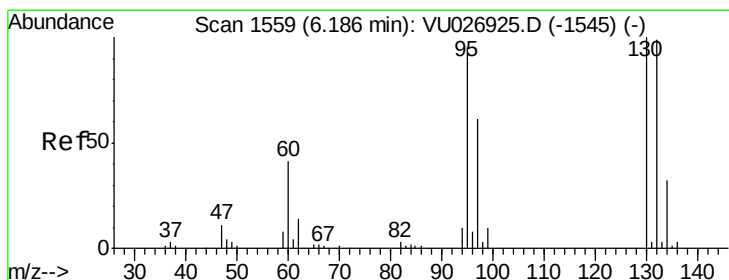
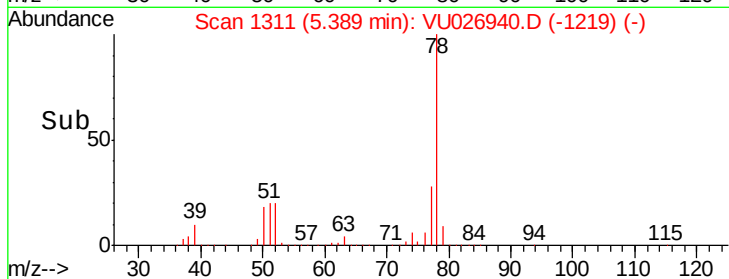
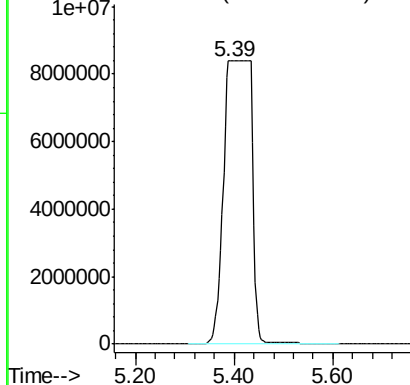
Instrument :
MSVOA_U
ClientSampleId :
C08L5

Manual Integrations
APPROVED

sam
9/21/2018 6:25:48 PM



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 1.975 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026940.D

Acq: 20 Sep 2018 15:48

Tgt Ion: 95 Resp: 4154

Ion Ratio Lower Upper

95 100

97 58.0 46.3 85.9

132 94.6 71.7 133.1

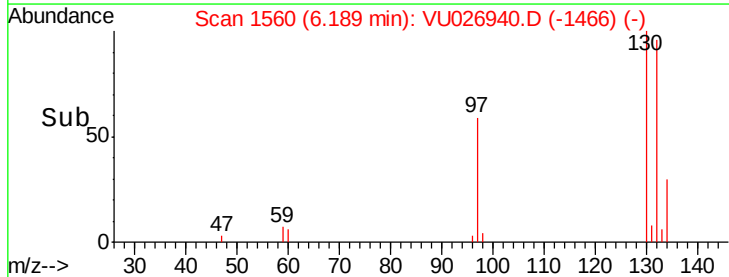
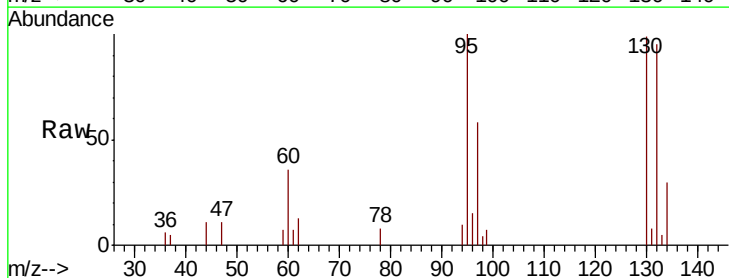
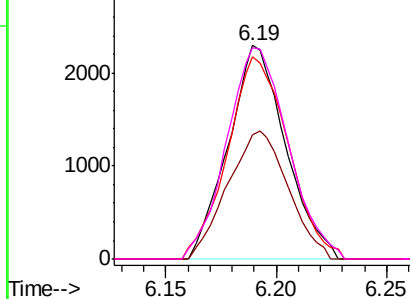
130 98.8 75.3 139.8

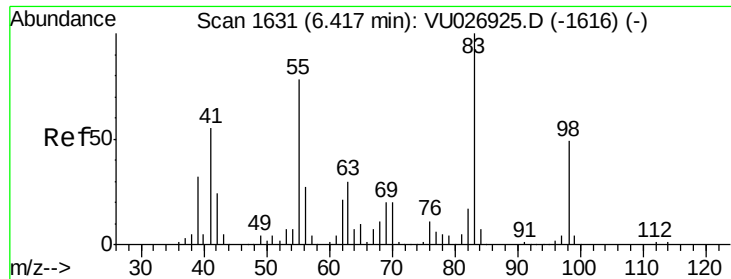
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





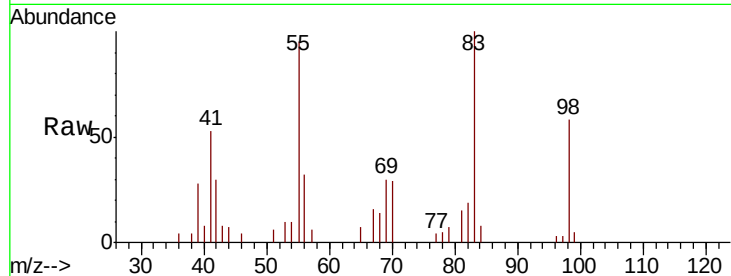
#35
Methylvlcyclohexane
Concen: 2.417 ug/L
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU026940.D
Acq: 20 Sep 2018 15:48

Instrument :
MSVOA_U
ClientSampleId :
C08L5

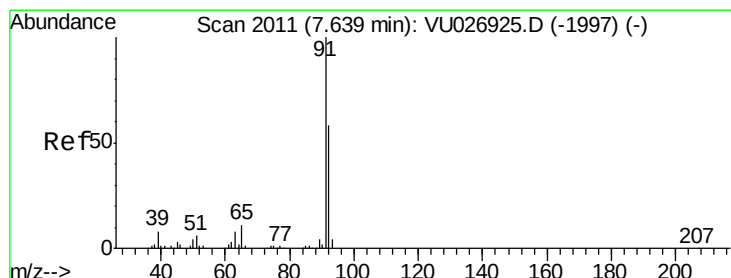
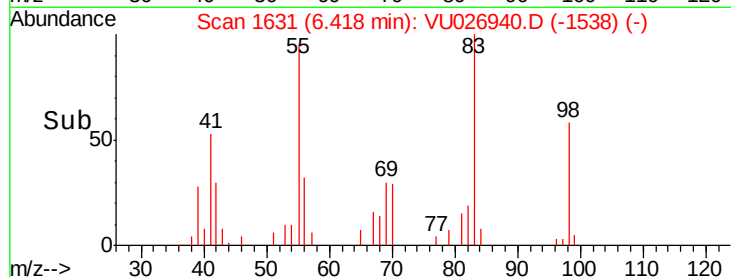
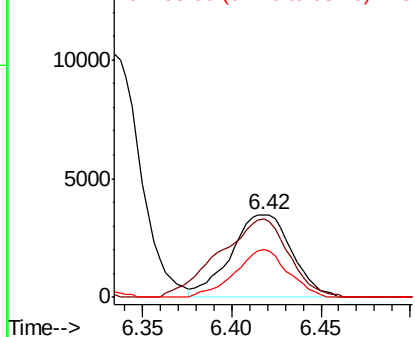
Tot Ion	Ratio	Lower	Upper
83	100		
55	107.7	61.7	92.5#
98	50.2	38.3	57.5

Manual Integrations
APPROVED

sam
9/21/2018 6:25:48 PM

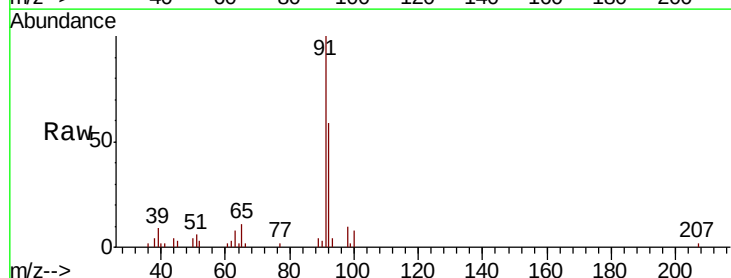


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

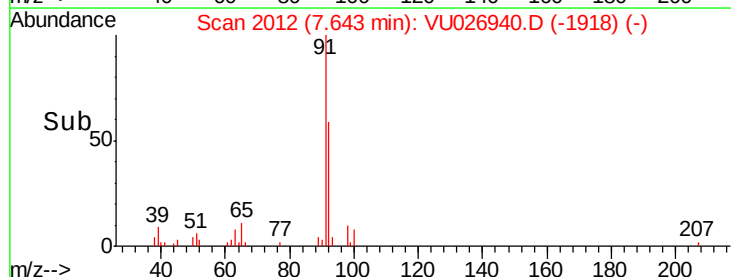
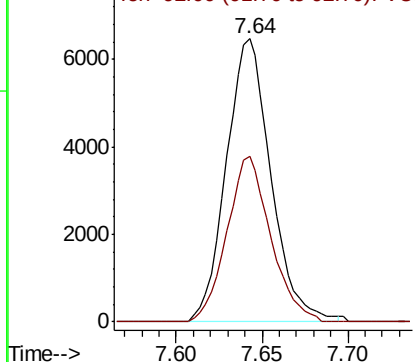


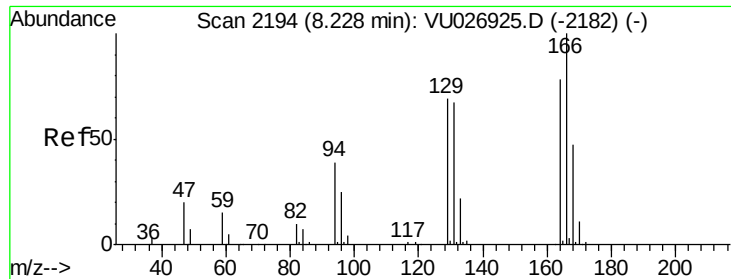
#42
Toluene
Concen: 1.315 ug/L
RT: 7.64 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VU026940.D
Acq: 20 Sep 2018 15:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.6	40.9	76.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0





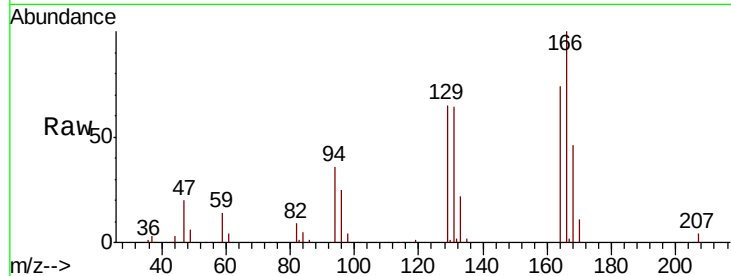
#46
Tetrachloroethene
Concen: 6.689 ug/L
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU026940.D
Acq: 20 Sep 2018 15:48

Instrument :
MSVOA_U
ClientSampled :
C08L5

Tot Ion:	164	Resp:	12470
Ion	Ratio	Lower	Upper
164	100		
129	87.6	62.2	115.4
131	86.3	60.5	112.5
166	134.4	89.0	165.2

Manual Integrations
APPROVED

sam
9/21/2018 6:25:48 PM



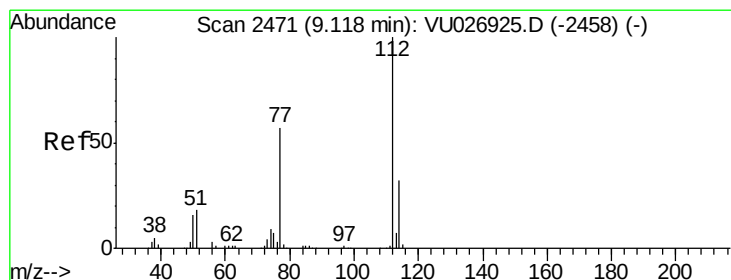
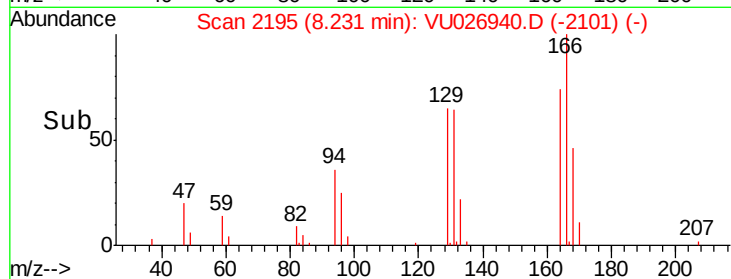
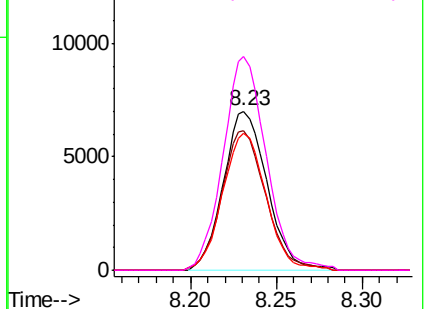
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

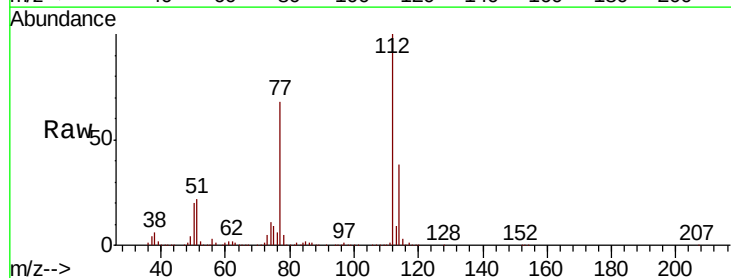
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#51
Chlorobenzene
Concen: 6579.276 ug/L m
RT: 9.12 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VU026940.D
Acq: 20 Sep 2018 15:48

Tgt Ion:	112	Resp:	39591580
Ion	Ratio	Lower	Upper
112	100		
114	38.1	22.3	41.5
77	67.8	45.1	67.7#

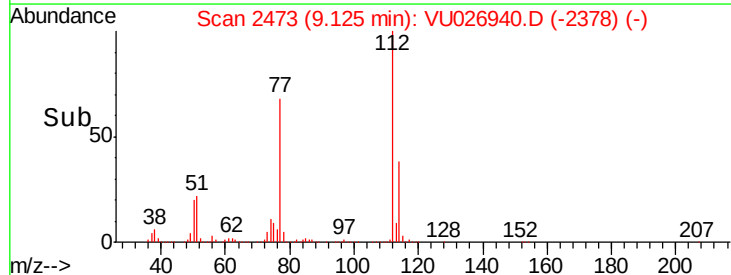
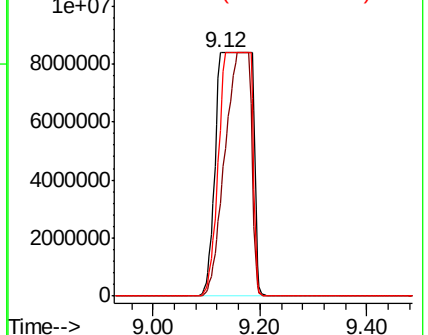


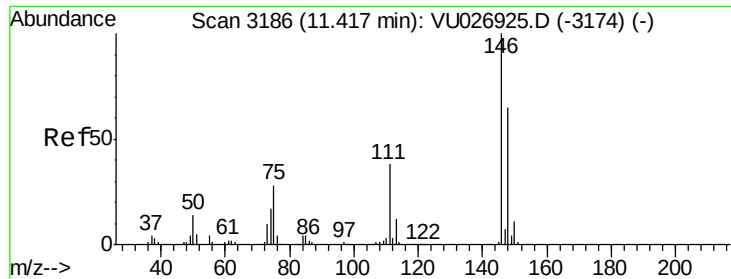
Abundance

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): VU0





#62

1,3-Dichlorobenzene

Concen: 753.403 ug/L

RT: 11.43 min Scan# 3189

Delta R.T. 0.01 min

Lab File: VU026940.D

Acq: 20 Sep 2018 15:48

Instrument :

MSVOA_U

ClientSampled :

C08L5

Tot Ion:146 Resp: 4221397

Ion Ratio Lower Upper

146 100

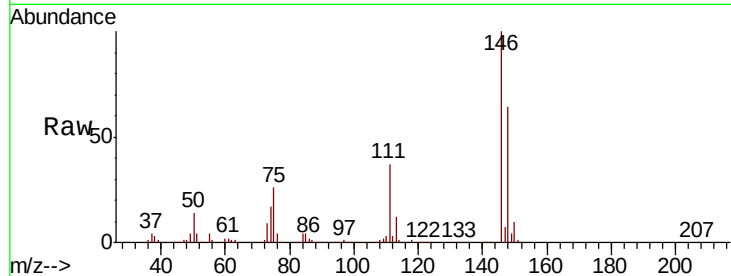
111 37.4 26.7 49.7

148 64.4 44.9 83.5

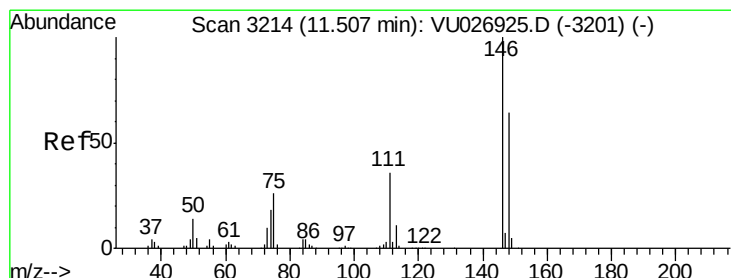
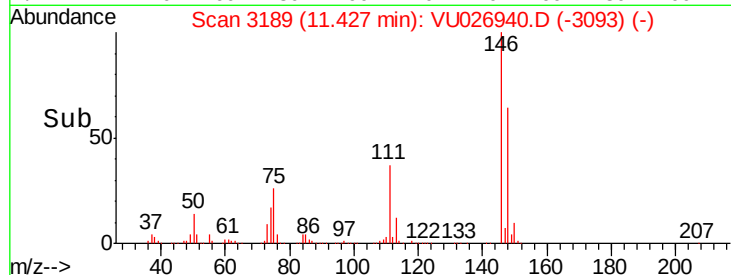
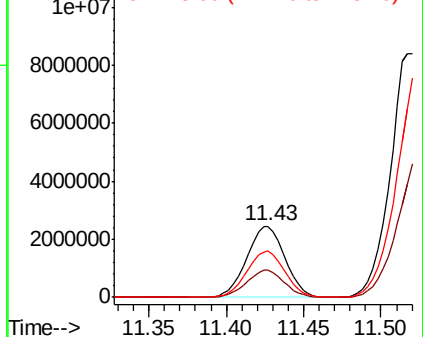
Manual Integrations
APPROVED

sam

9/21/2018 6:25:48 PM



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



#63

1,4-Dichlorobenzene

Concen: 4742.396 ug/L m

RT: 11.52 min Scan# 3217

Delta R.T. 0.01 min

Lab File: VU026940.D

Acq: 20 Sep 2018 15:48

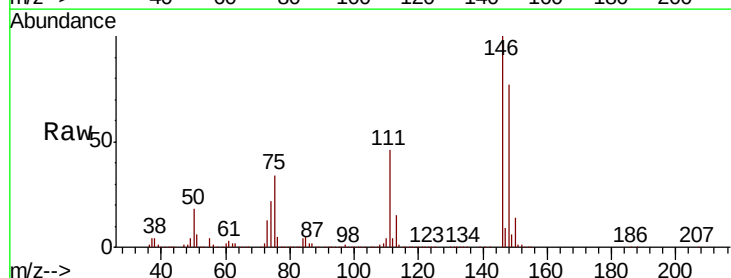
Tgt Ion:146 Resp:29259460

Ion Ratio Lower Upper

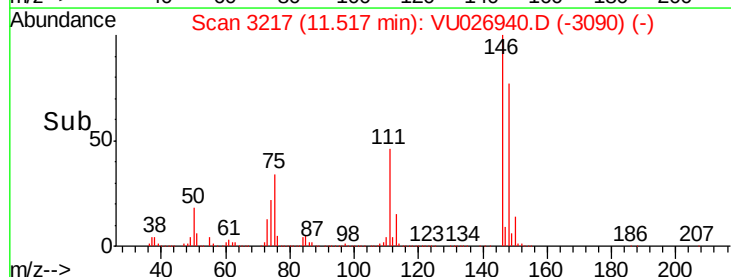
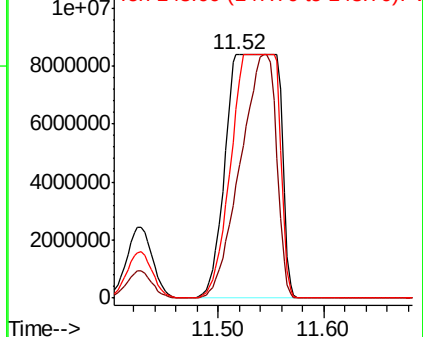
146 100

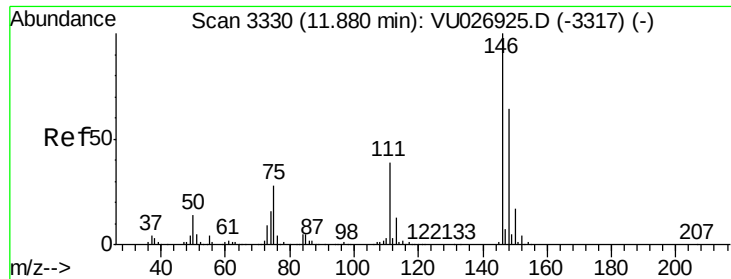
111 46.3 26.0 48.2

148 77.3 45.8 85.2



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





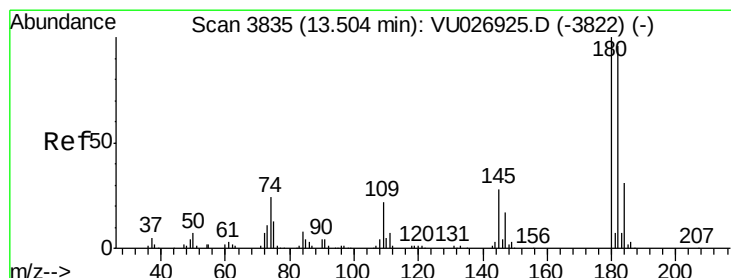
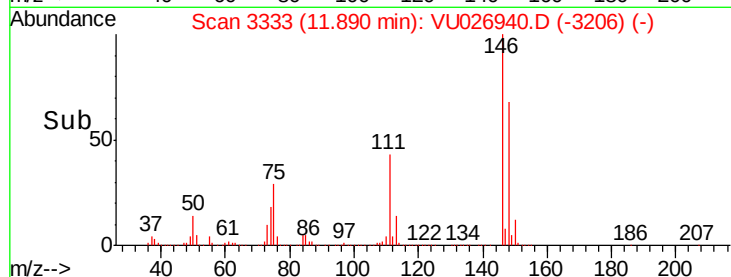
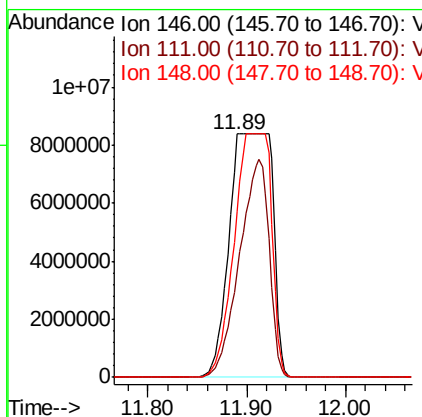
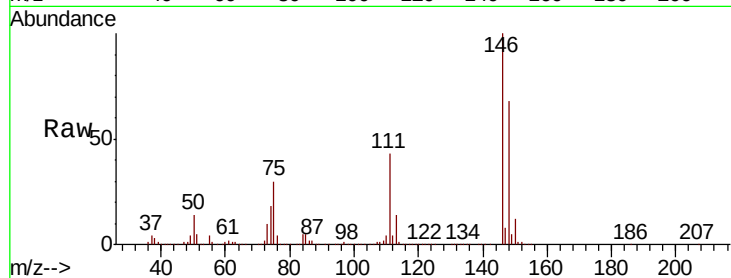
#65
 1,2-Dichlorobenzene
 Concen: 4116.218 ug/L m
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.01 min
 Lab File: VU026940.D
 Acq: 20 Sep 2018 15:48

Instrument :
 MSVOA_U
 ClientSampled :
 C08L5

Tot Ion:146 Resp:25537533
 Ion Ratio Lower Upper
 146 100
 111 43.2 31.4 47.0
 148 68.2 51.4 77.2

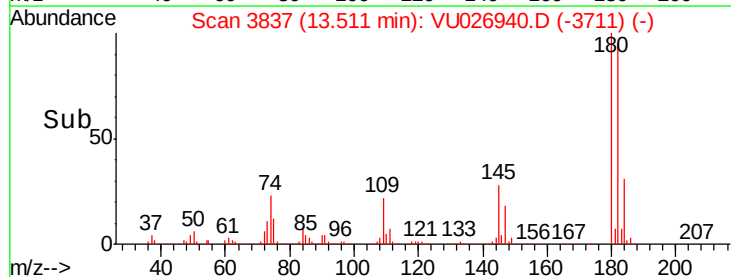
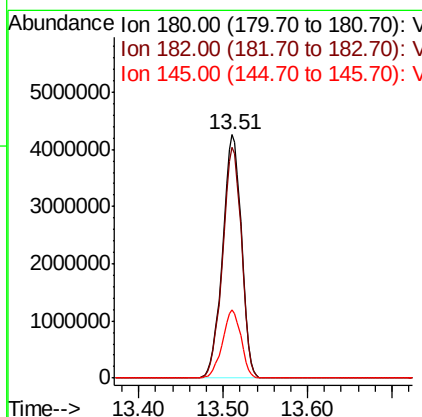
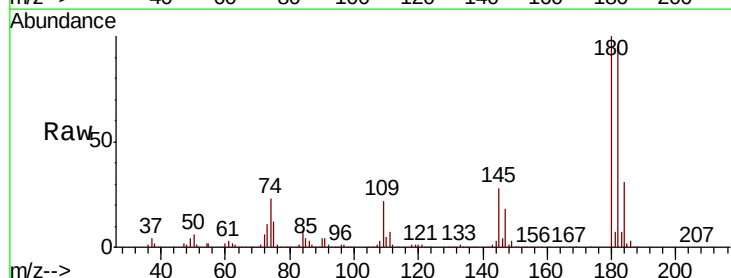
Manual Integrations
 APPROVED

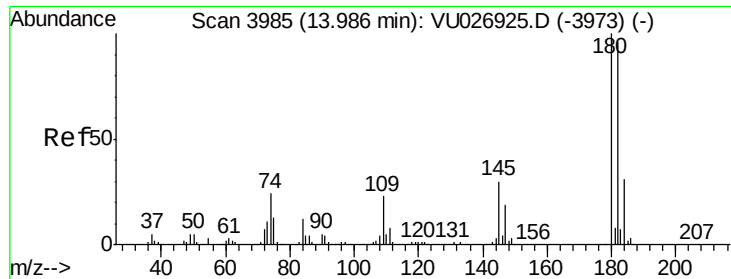
sam
 9/21/2018 6:25:48 PM



#68
 1,2,4-trichlorobenzene
 Concen: 1757.188 ug/L
 RT: 13.51 min Scan# 3837
 Delta R.T. 0.01 min
 Lab File: VU026940.D
 Acq: 20 Sep 2018 15:48

Tgt Ion:180 Resp: 6565544
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.8 115.2
 145 27.8 22.2 33.2





#70
 1,2,3-Trichlorobenzene
 Concen: 123.311 ug/L
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU026940.D
 Acq: 20 Sep 2018 15:48

Instrument :
 MSVOA_U
 ClientSampleId :
 C08L5

Tot Ion	Ratio	Resp	Lower	Upper
180	100	507375		
182	95.8		75.6	113.4
145	29.3		23.8	35.6

Manual Integrations
 APPROVED

sam
 9/21/2018 6:25:48 PM

