

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091518\
 Data File : VU026734.D
 Acq On : 13 Sep 2018 18:40
 Operator : MD/SY
 Sample : J4893-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K3

Quant Time: Sep 14 02:00:15 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	185897	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	177128	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	98570	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62255	44.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.88%
7) Chloroethane-d5	1.68	69	50477	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.44%
11) 1,1-Dichloroethene-d2	2.27	63	83900	33.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.68%
21) 2-Butanone-d5	4.18	46	84767	98.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.33%
24) Chloroform-d	4.65	84	97814	42.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.92%
26) 1,2-Dichloroethane-d4	5.31	65	67558	44.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.62%
32) Benzene-d6	5.34	84	208707	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
36) 1,2-Dichloropropane-d6	6.33	67	71039	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.36%
41) Toluene-d8	7.57	98	189206	43.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.98%
43) trans-1,3-Dichloropropene-	7.85	79	30843	43.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.24%
47) 2-Hexanone-d5	8.31	63	59379	94.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	91495	43.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	80948	41.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.38%

Target Compounds

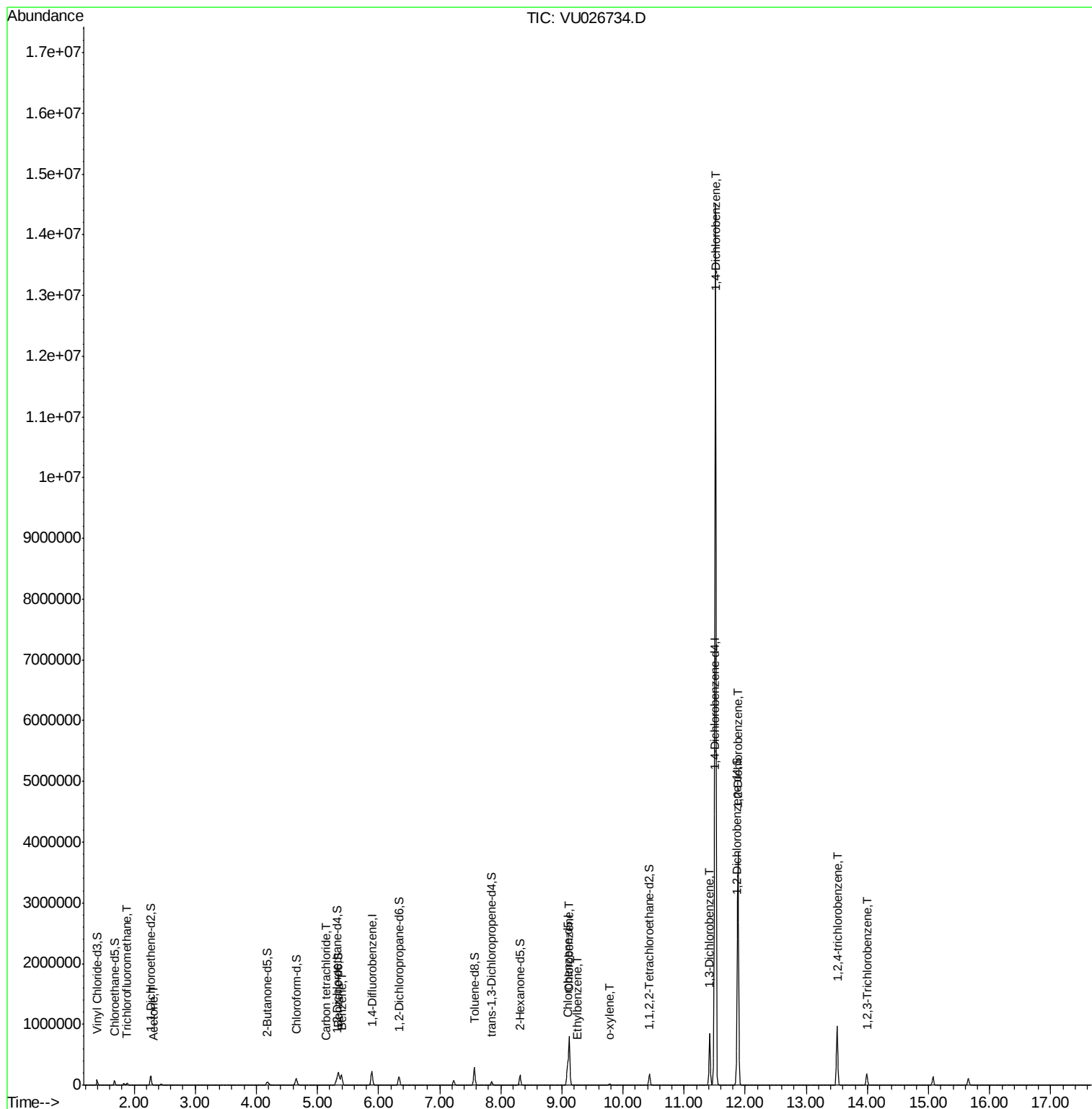
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	21943	10.948	ug/L	98
13) Acetone	2.32	43	1153	1.174	ug/L	90
31) Carbon tetrachloride	5.14	117	1735	1.023	ug/L	94
33) Benzene	5.39	78	167177	33.703	ug/L	100
51) Chlorobenzene	9.12	112	420689	124.623	ug/L	100
52) Ethylbenzene	9.25	91	4386	0.789	ug/L	98
54) o-xylene	9.78	106	4317	2.075	ug/L	82
62) 1,3-Dichlorobenzene	11.42	146	343422	121.339	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	5560996	1854.733	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	1495792	500.057	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	306489	157.070	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	60157	28.461	ug/L	99

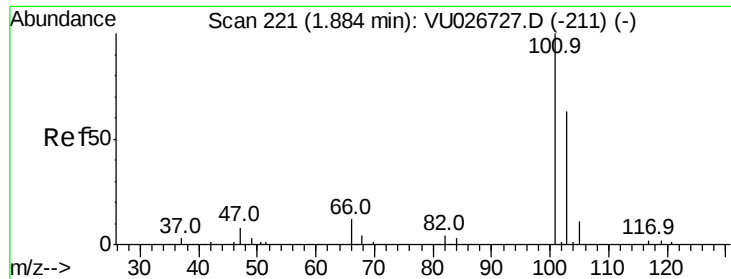
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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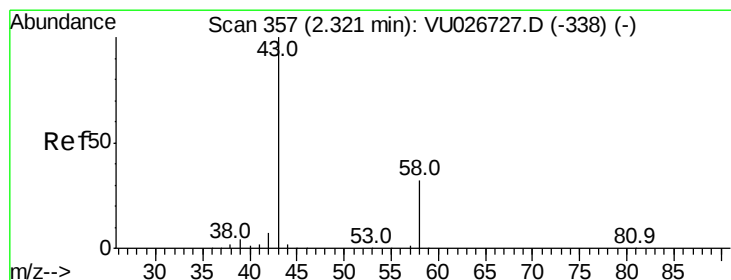
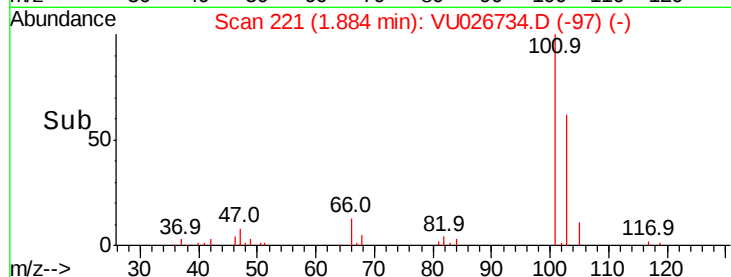
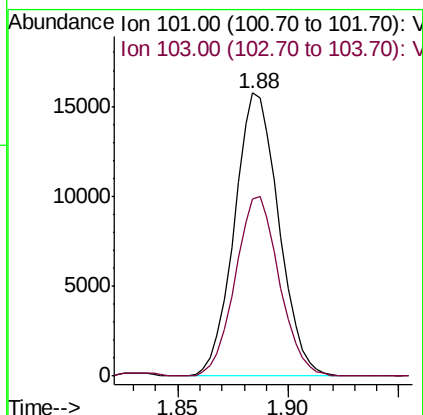
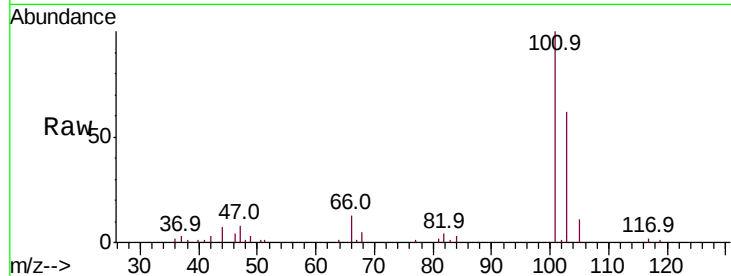


#9

Trichlorofluoromethane
 Concen: 10.948 ug/L
 RT: 1.88 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VU026734.D
 Acq: 13 Sep 2018 18:40

Instrument :
 MSVOA_U
 ClientSampleId :
 C08K3

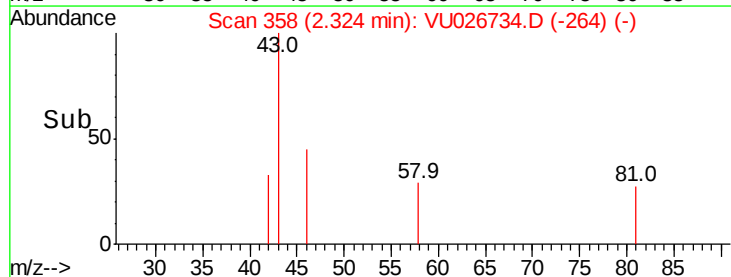
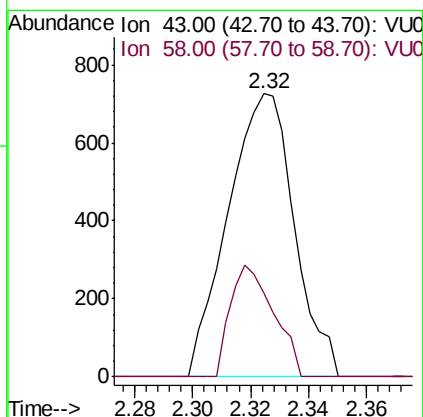
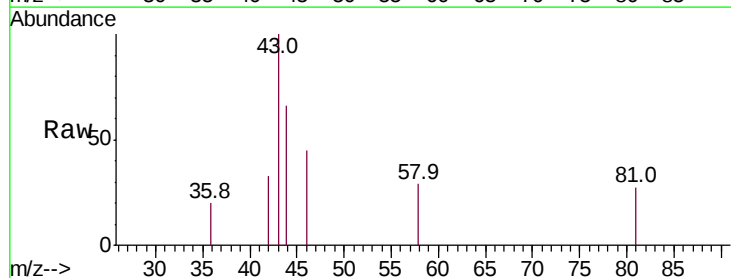
Tot Ion:101 Resp: 21943
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.8 77.6

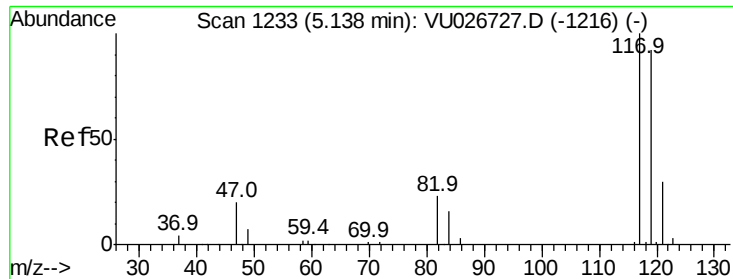


#13

Acetone
 Concen: 1.174 ug/L
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU026734.D
 Acq: 13 Sep 2018 18:40

Tgt Ion: 43 Resp: 1153
 Ion Ratio Lower Upper
 43 100
 58 25.7 0.0 62.8

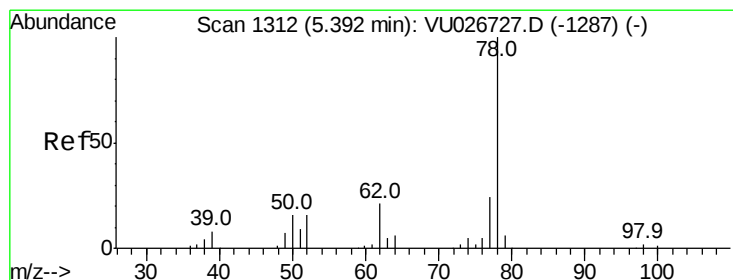
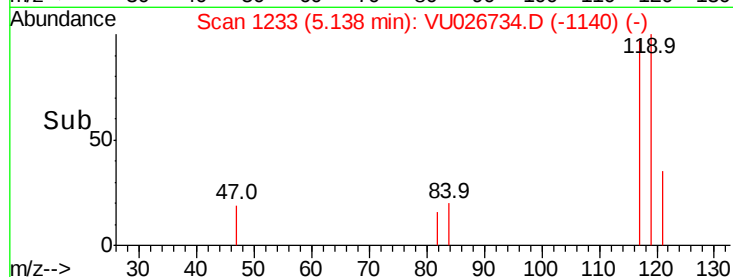
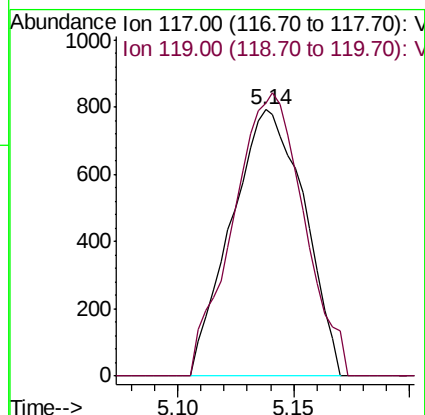
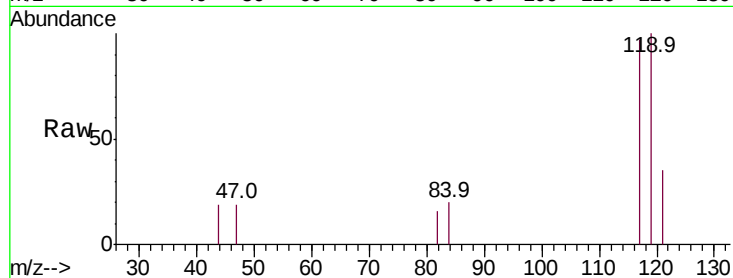




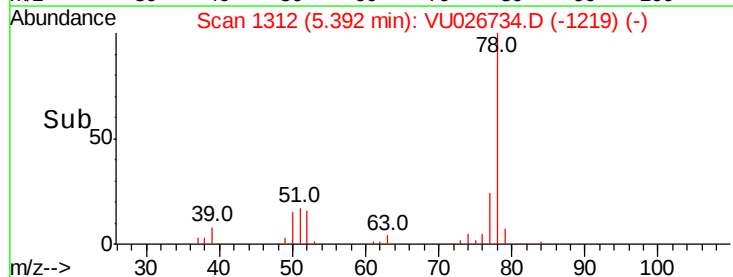
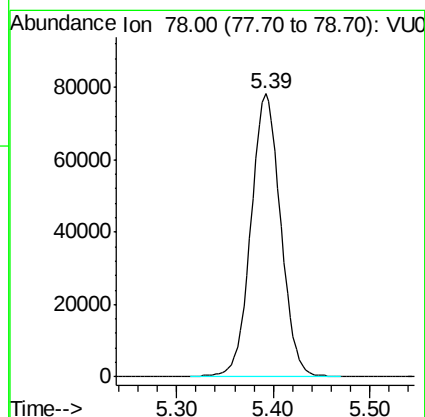
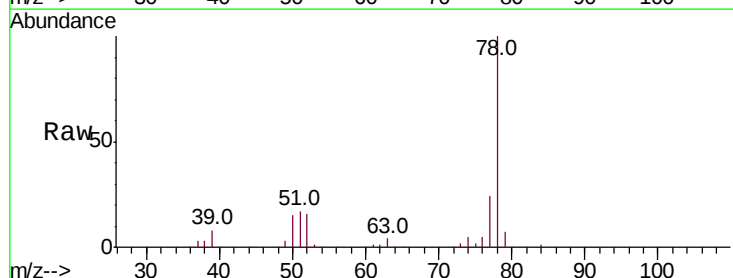
#31
Carbon tetrachloride
Concen: 1.023 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU026734.D
Acq: 13 Sep 2018 18:40

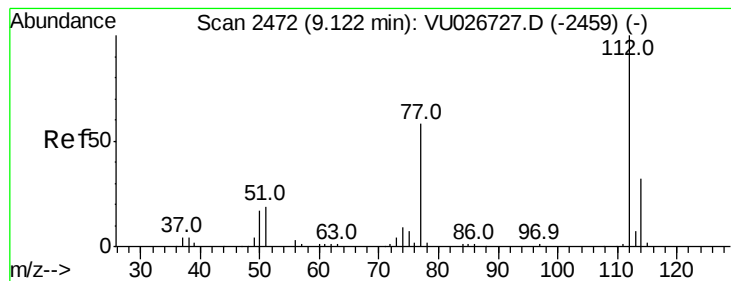
Instrument :
MSVOA_U
ClientSampleId :
C08K3

Tot Ion:117 Resp: 1735
Ion Ratio Lower Upper
117 100
119 102.9 77.6 116.4



#33
Benzene
Concen: 33.703 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026734.D
Acq: 13 Sep 2018 18:40
Tgt Ion: 78 Resp: 167177





#51

Chlorobenzene

Concen: 124.623 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026734.D

Acq: 13 Sep 2018 18:40

Instrument :

MSVOA_U

ClientSampleId :

C08K3

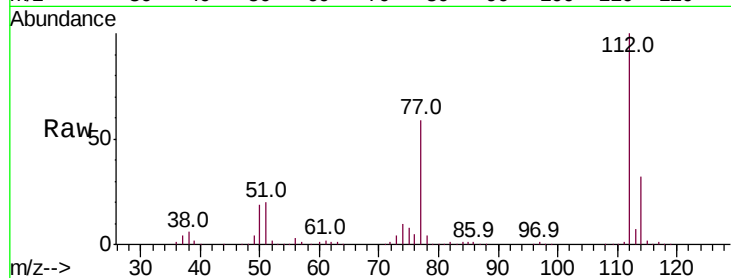
Tot Ion:112 Resp: 420689

Ion Ratio Lower Upper

112 100

114 32.3 22.9 42.5

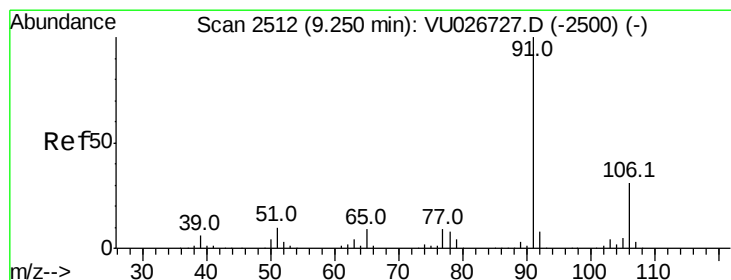
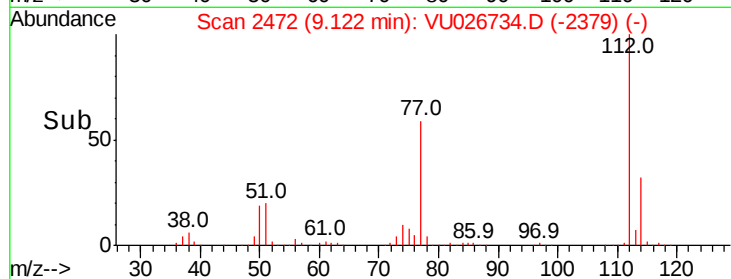
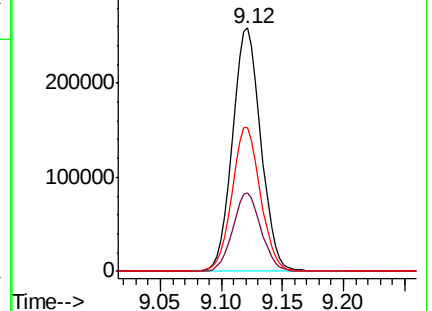
77 58.9 47.2 70.8



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: 0.789 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU026734.D

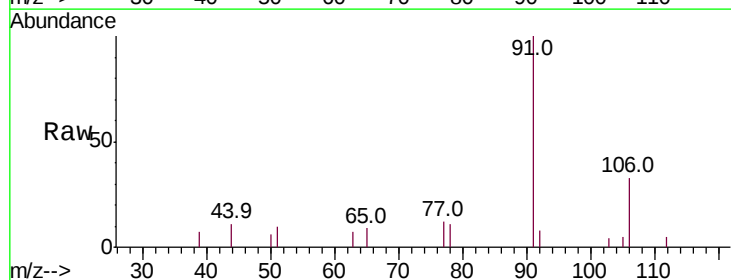
Acq: 13 Sep 2018 18:40

Tgt Ion: 91 Resp: 4386

Ion Ratio Lower Upper

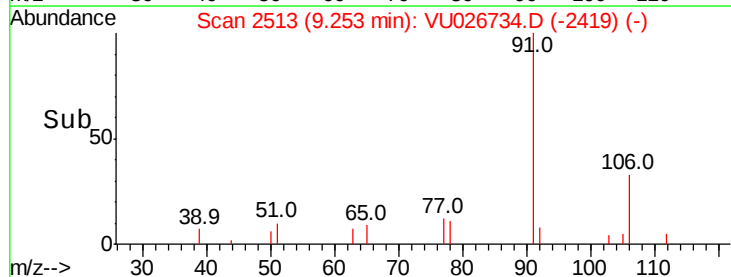
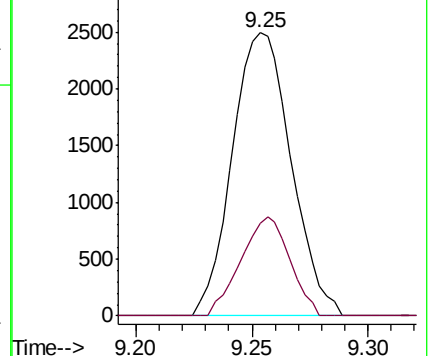
91 100

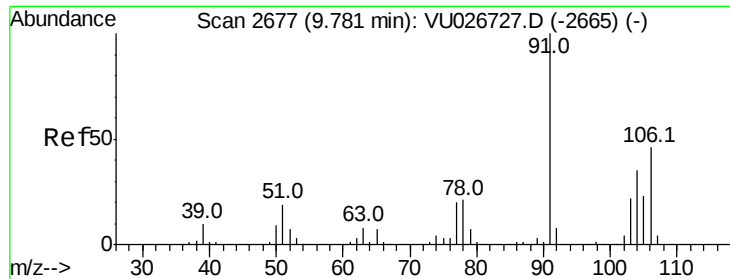
106 32.8 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#54

o-xylene

Concen: 2.075 ug/L

RT: 9.78 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VU026734.D

Acq: 13 Sep 2018 18:40

Instrument :

MSVOA_U

ClientSampleId :

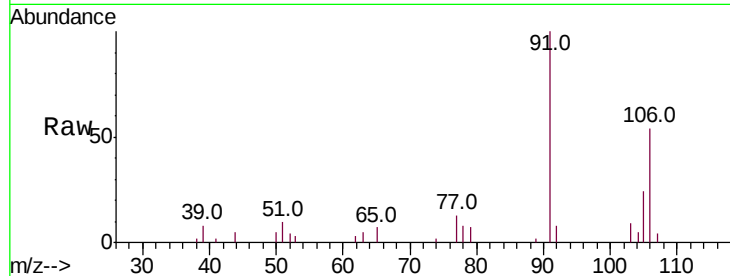
C08K3

Tot Ion:106 Resp: 4317

Ion Ratio Lower Upper

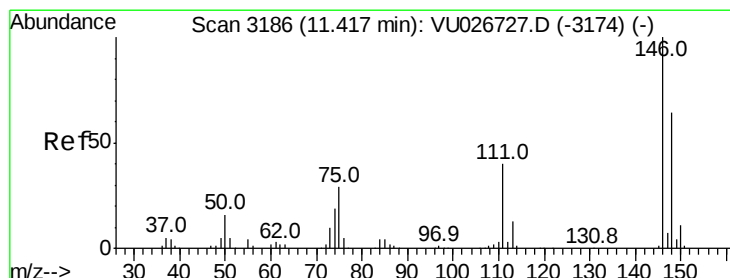
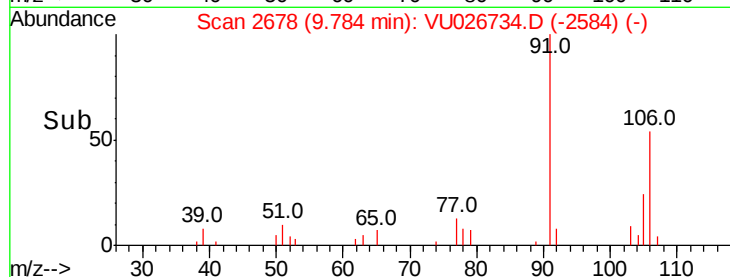
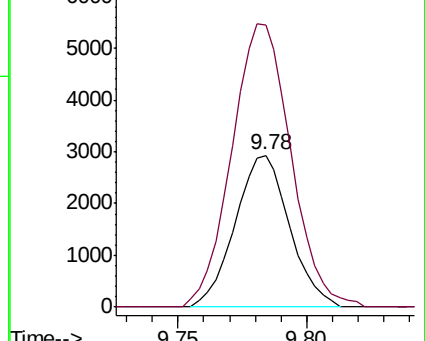
106 100

91 185.6 149.4 277.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#62

1,3-Dichlorobenzene

Concen: 121.339 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026734.D

Acq: 13 Sep 2018 18:40

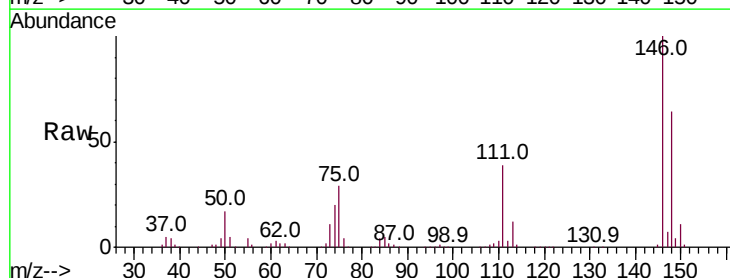
Tgt Ion:146 Resp: 343422

Ion Ratio Lower Upper

146 100

111 39.2 26.7 49.5

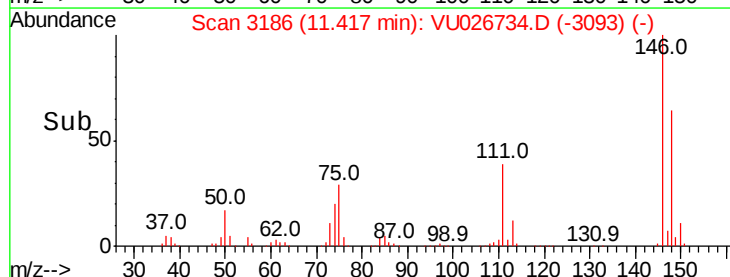
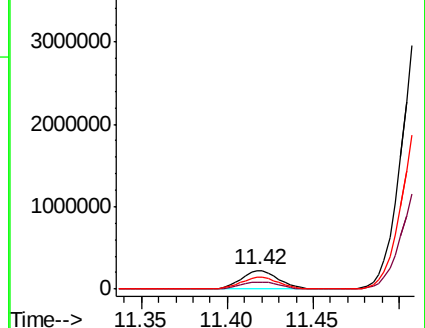
148 63.9 44.2 82.2

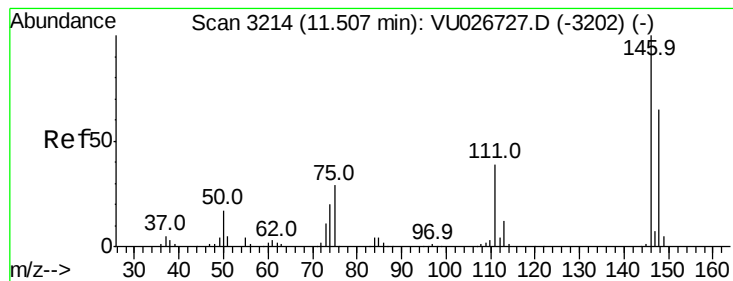


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 1854.733 ug/L

RT: 11.51 min Scan# 3216

Delta R.T. 0.01 min

Lab File: VU026734.D

Acq: 13 Sep 2018 18:40

Instrument :

MSVOA_U

ClientSampled :

C08K3

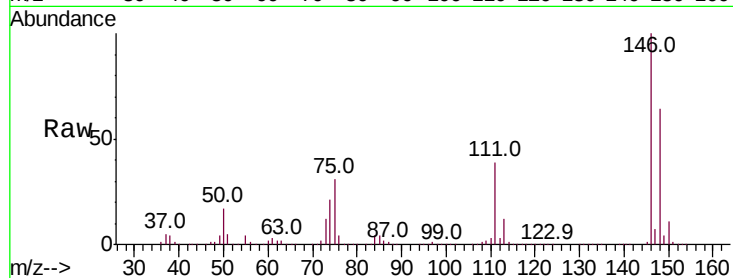
Tot Ion:146 Resp: 5560996

Ion Ratio Lower Upper

146 100

111 38.6 26.5 49.3

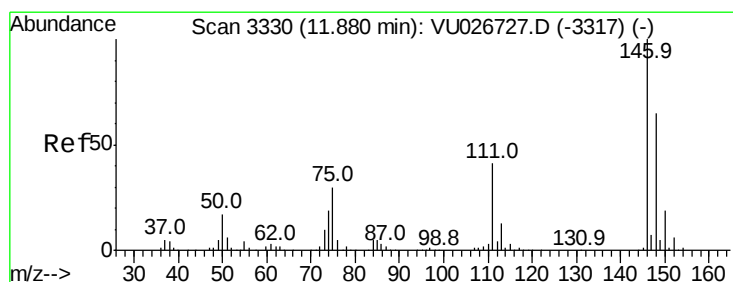
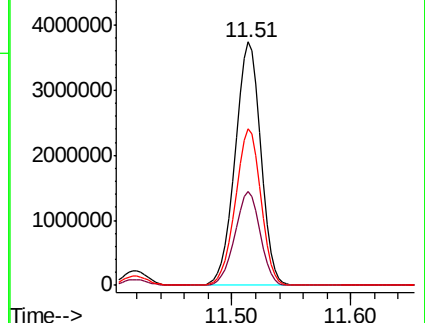
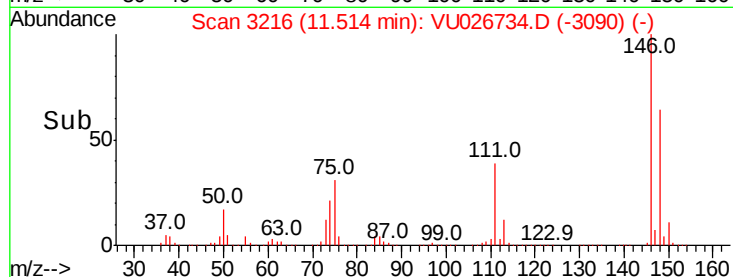
148 64.1 45.2 84.0



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: 500.057 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU026734.D

Acq: 13 Sep 2018 18:40

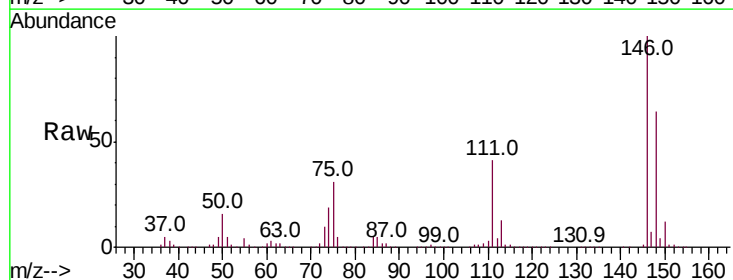
Tgt Ion:146 Resp: 1495792

Ion Ratio Lower Upper

146 100

111 40.7 32.8 49.2

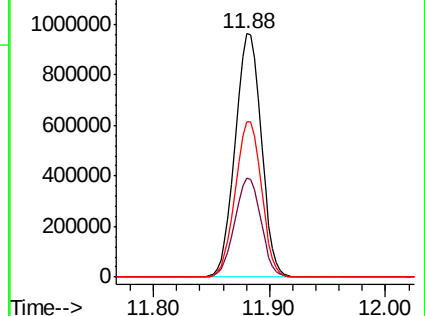
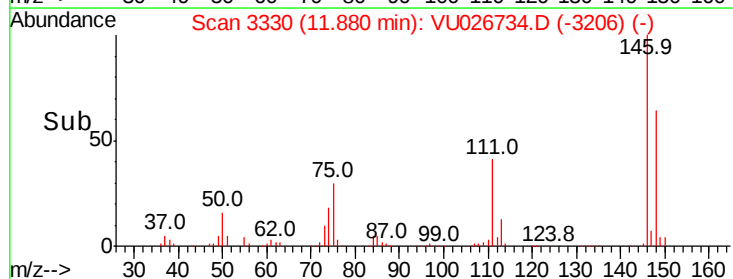
148 63.9 52.2 78.4

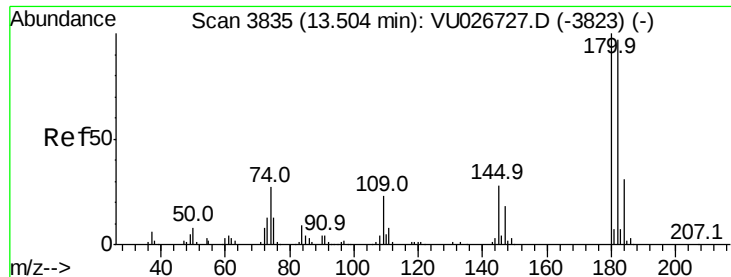


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

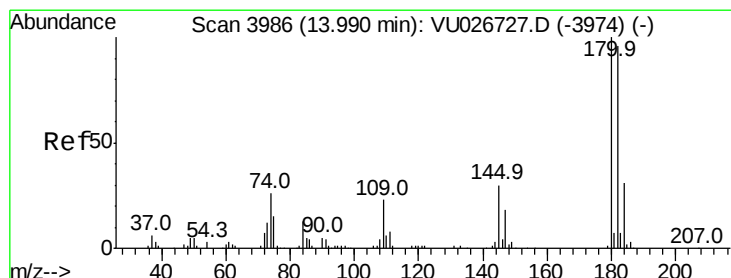
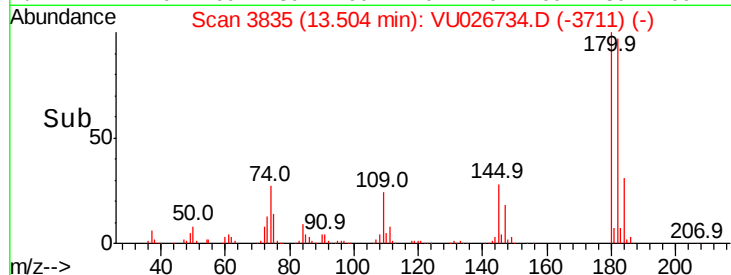
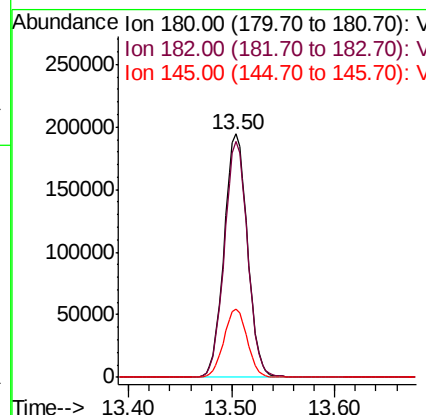
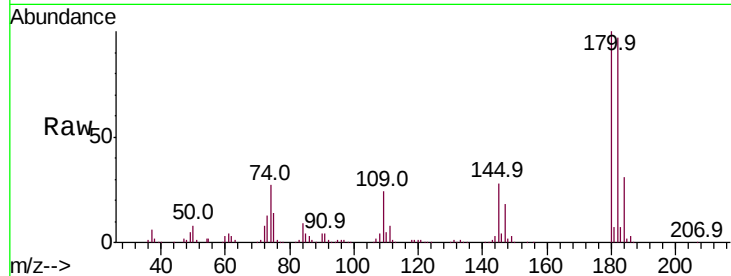




#68
 1,2,4-trichlorobenzene
 Concen: 157.070 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026734.D
 Acq: 13 Sep 2018 18:40

Instrument :
 MSVOA_U
 ClientSampled :
 C08K3

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.0	114.0
145	28.0	23.4	35.0



#70
 1,2,3-Trichlorobenzene
 Concen: 28.461 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026734.D
 Acq: 13 Sep 2018 18:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.7	115.1
145	30.2	23.0	34.6

