

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091518\
 Data File : VU026740.D
 Acq On : 13 Sep 2018 20:59
 Operator : MD/SY
 Sample : J4893-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N0

Quant Time: Sep 14 02:52:51 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	194089	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	181221	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88484	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62025	42.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.76%
7) Chloroethane-d5	1.68	69	49799	42.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.46%
11) 1,1-Dichloroethene-d2	2.27	63	87618	33.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.70%
21) 2-Butanone-d5	4.18	46	85276	94.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.74%
24) Chloroform-d	4.65	84	98873	41.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.22%
26) 1,2-Dichloroethane-d4	5.31	65	67318	42.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.54%
32) Benzene-d6	5.34	84	207808	44.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.62%
36) 1,2-Dichloropropane-d6	6.33	67	71202	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.48%
41) Toluene-d8	7.57	98	191210	43.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.90%
43) trans-1,3-Dichloropropene-	7.85	79	30621	41.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.70%
47) 2-Hexanone-d5	8.31	63	60449	94.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.13%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	92607	42.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	78022	44.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.46%

Target Compounds

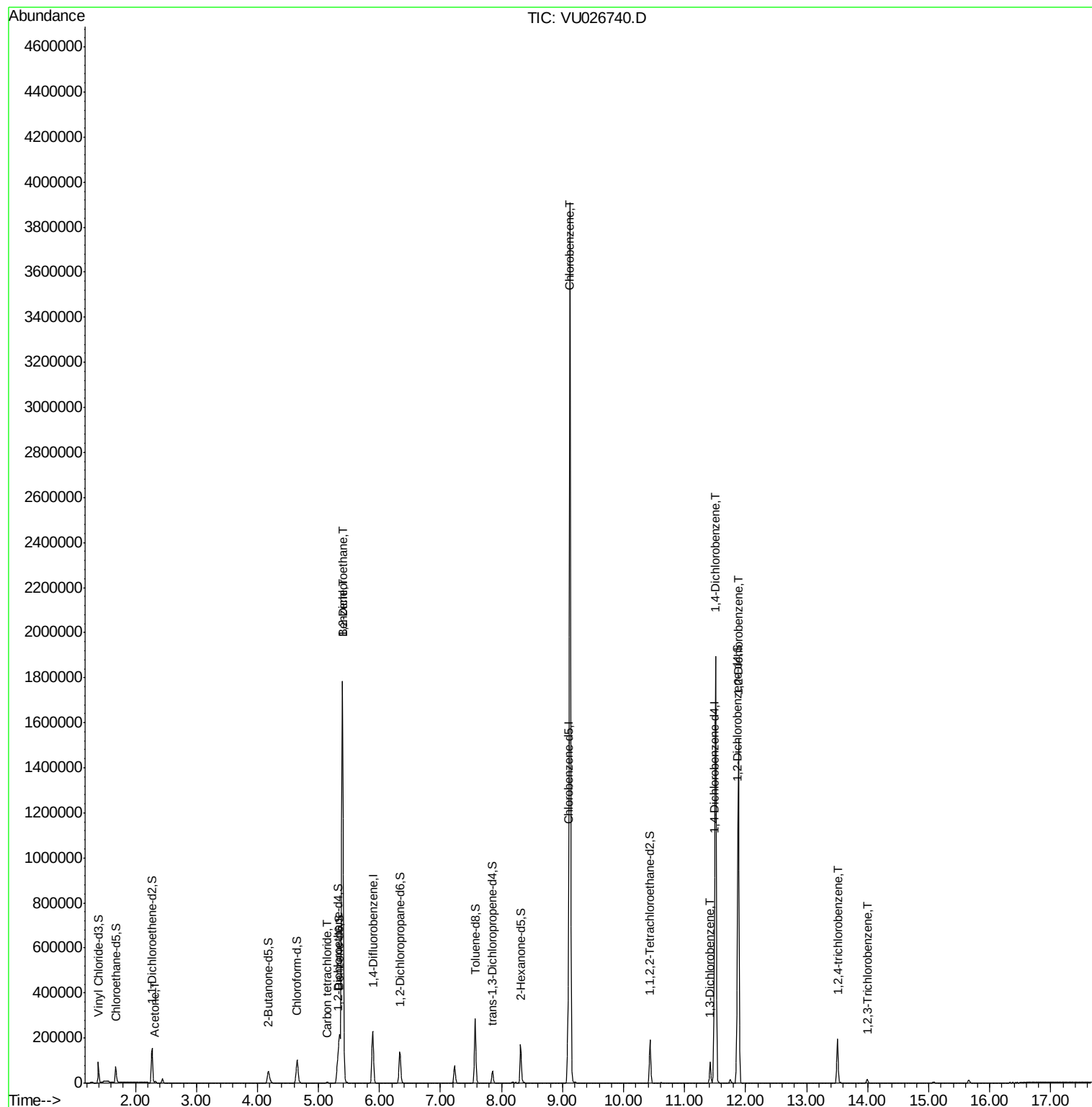
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	5901	5.756	ug/L	96
27) 1,2-Dichloroethane	5.39	62	14887	7.931	ug/L	# 75
31) Carbon tetrachloride	5.13	117	2625	1.513	ug/L	92
33) Benzene	5.39	78	1701007	335.184	ug/L	100
51) Chlorobenzene	9.12	112	1996524	578.085	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	37485	14.754	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	727490	270.294	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	583989	217.487	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	63598	36.308	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	6645	3.502	ug/L	98

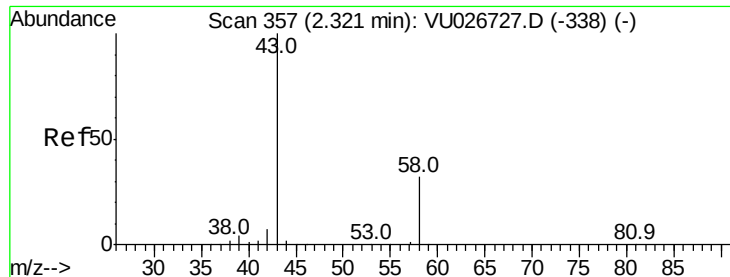
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration





#13

Acetone

Concen: 5.756 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026740.D

Acq: 13 Sep 2018 20:59

Instrument :

MSVOA_U

ClientSampleId :

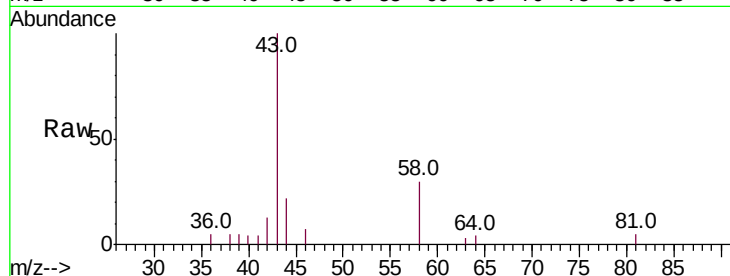
C08N0

Tot Ion: 43 Resp: 5901

Ion Ratio Lower Upper

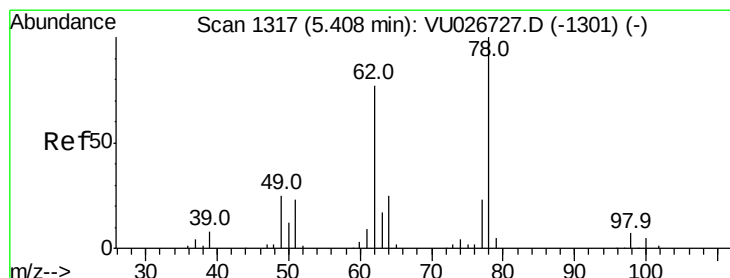
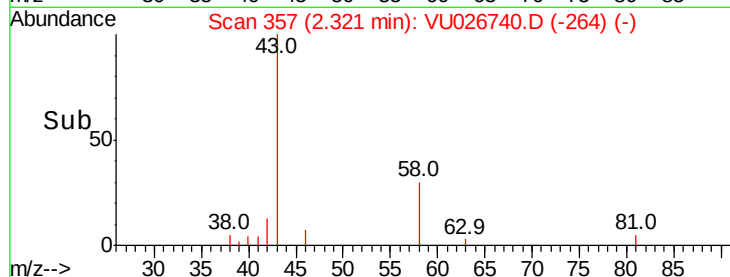
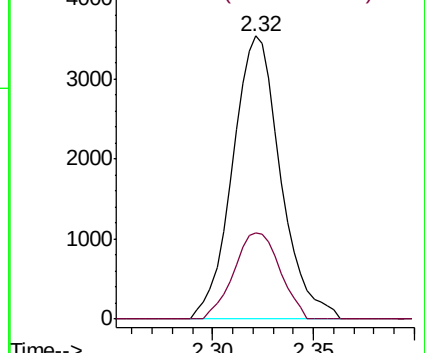
43 100

58 29.4 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#27

1,2-Dichloroethane

Concen: 7.931 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VU026740.D

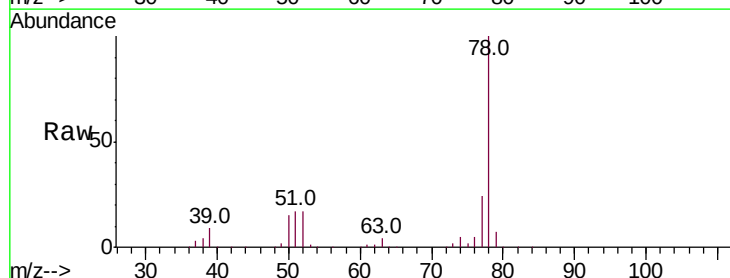
Acq: 13 Sep 2018 20:59

Tgt Ion: 62 Resp: 14887

Ion Ratio Lower Upper

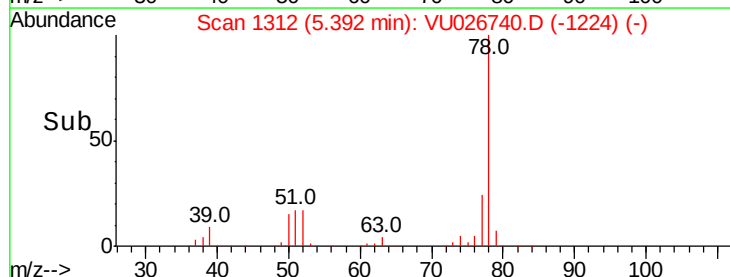
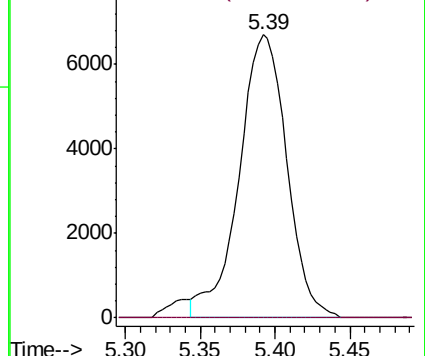
62 100

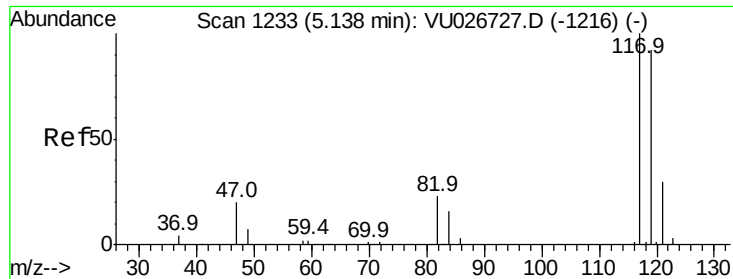
98 0.0 7.4 11.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

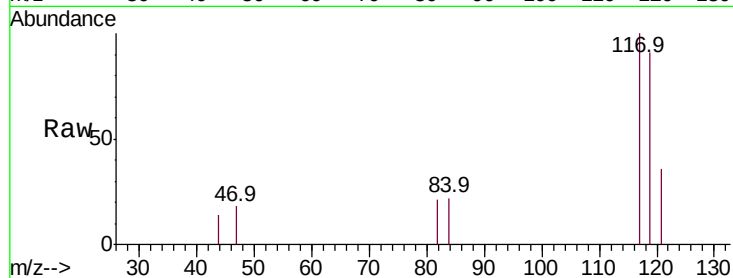




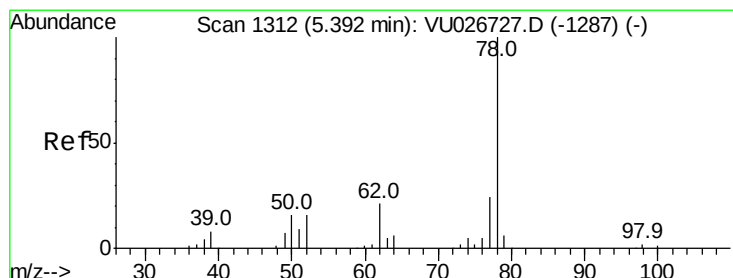
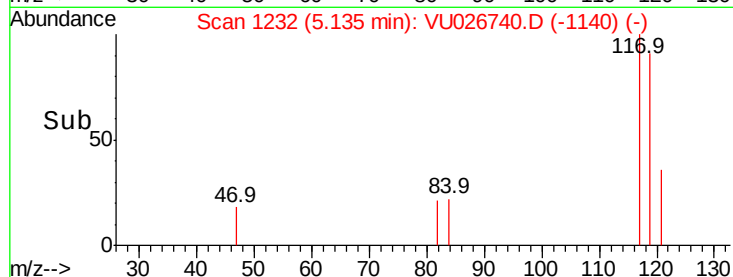
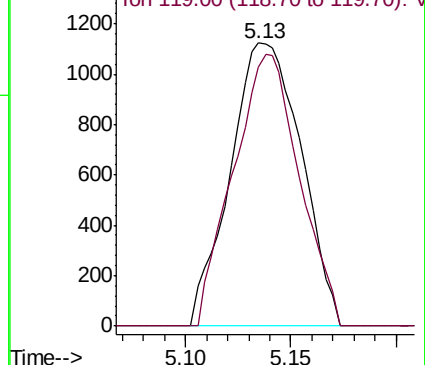
#31
Carbon tetrachloride
Concen: 1.513 ug/L
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026740.D
Acq: 13 Sep 2018 20:59

Instrument :
MSVOA_U
ClientSampleId :
C08N0

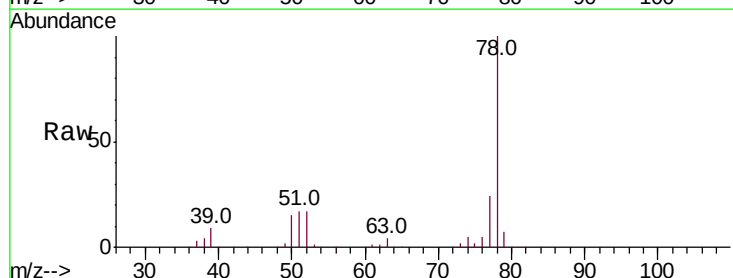
Tot Ion:117 Resp: 2625
Ion Ratio Lower Upper
117 100
119 89.6 77.6 116.4



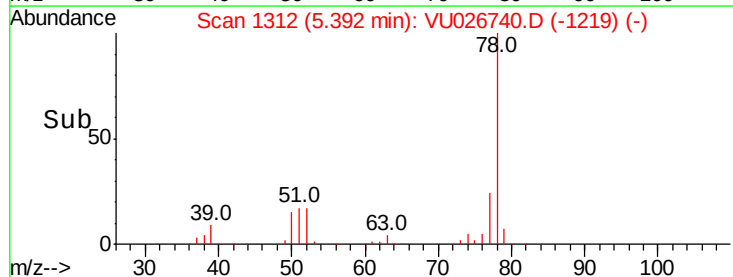
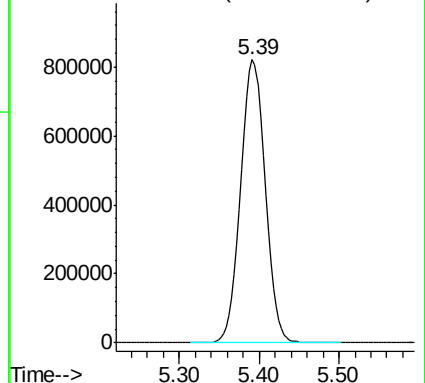
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V

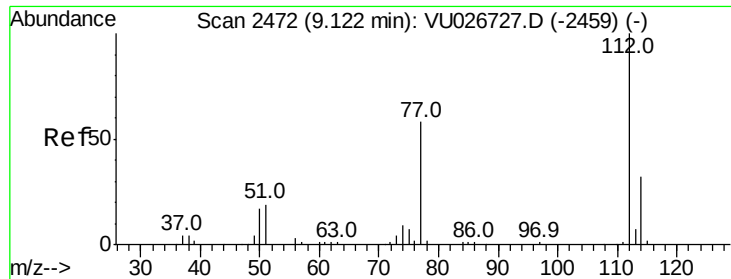


#33
Benzene
Concen: 335.184 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026740.D
Acq: 13 Sep 2018 20:59
Tgt Ion: 78 Resp: 1701007



Abundance Ion 78.00 (77.70 to 78.70): VU0





#51

Chlorobenzene

Concen: 578.085 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026740.D

Acq: 13 Sep 2018 20:59

Instrument :

MSVOA_U

ClientSampleId :

C08N0

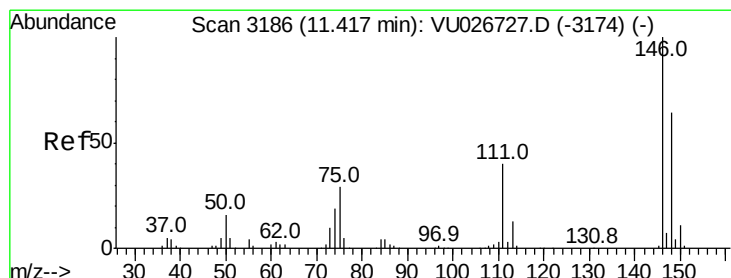
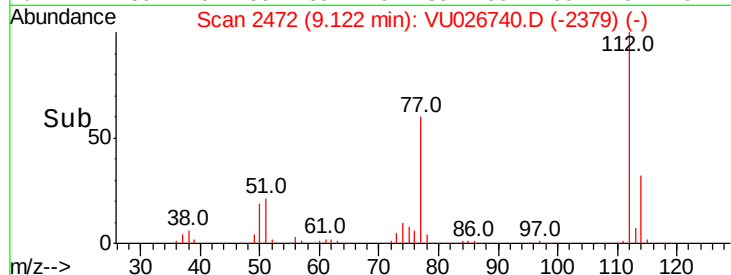
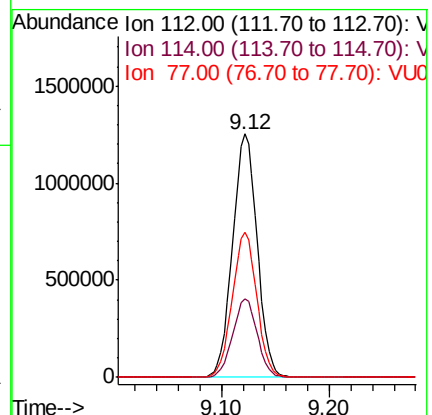
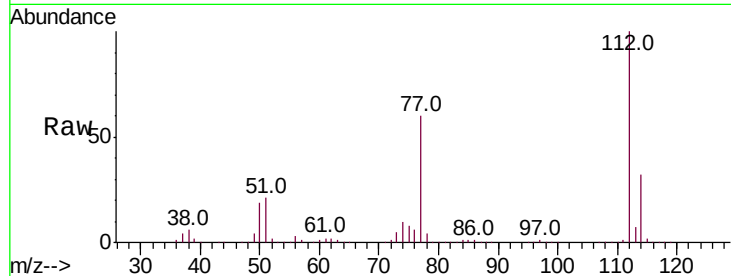
Tot Ion:112 Resp: 1996524

Ion Ratio Lower Upper

112 100

114 32.5 22.9 42.5

77 59.6 47.2 70.8



#62

1,3-Dichlorobenzene

Concen: 14.754 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026740.D

Acq: 13 Sep 2018 20:59

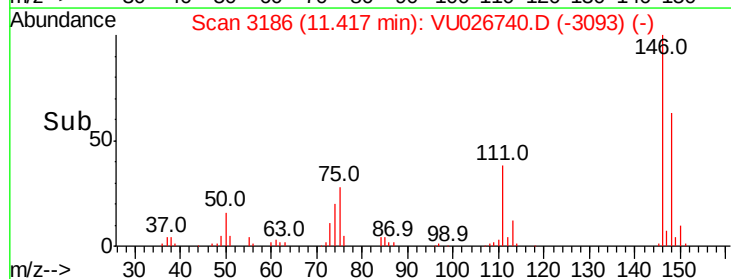
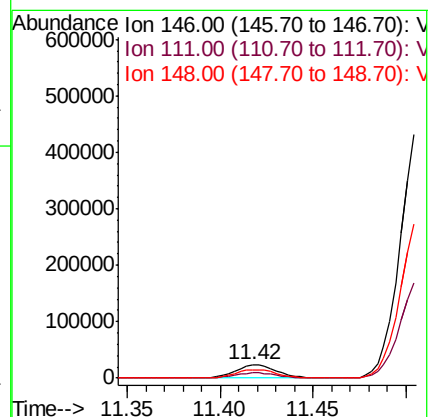
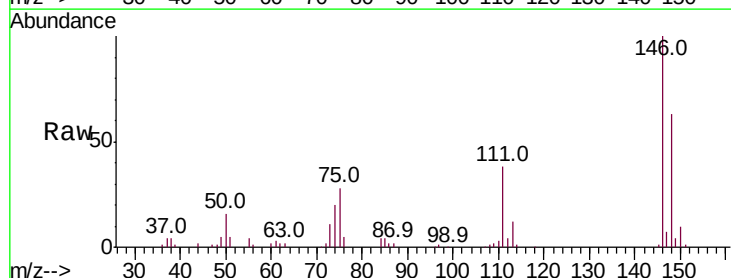
Tgt Ion:146 Resp: 37485

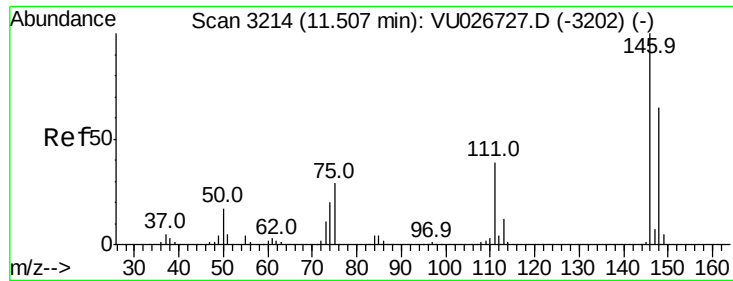
Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.5

148 63.1 44.2 82.2



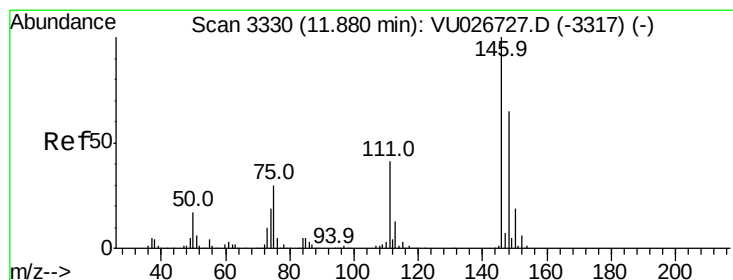
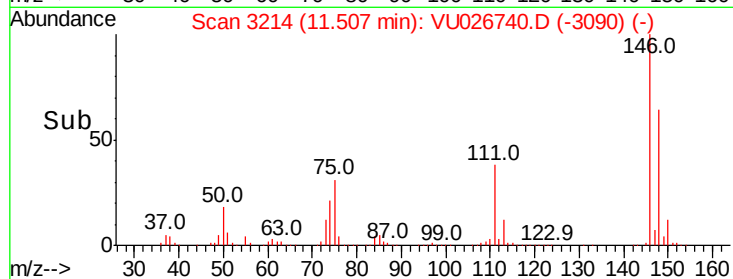
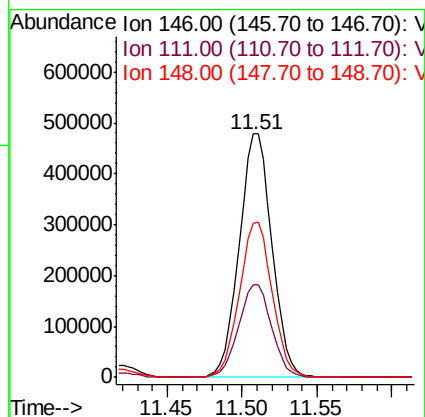
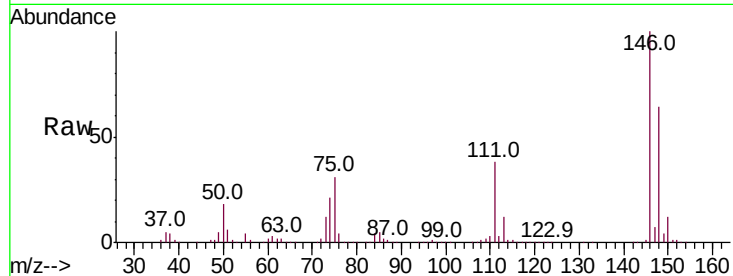


#63
 1,4-Dichlorobenzene
 Concen: 270.294 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026740.D
 Acq: 13 Sep 2018 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N0

Tot Ion:146 Resp: 727490

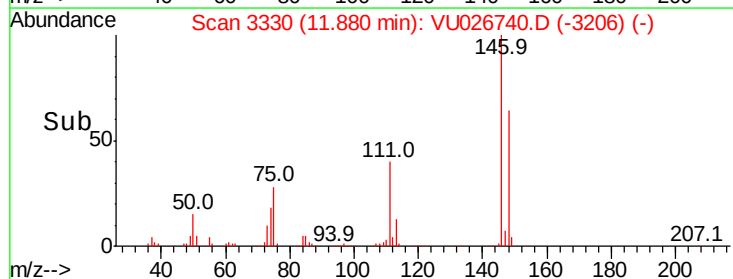
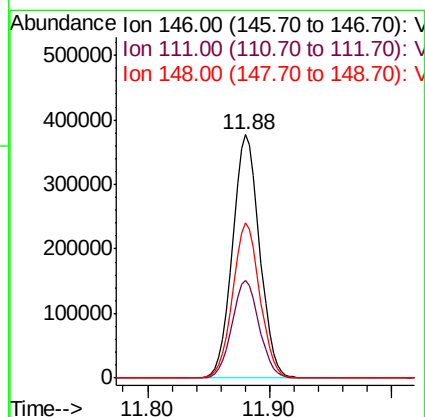
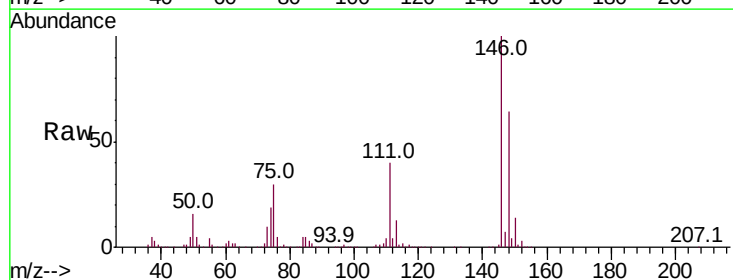
Ion	Ratio	Lower	Upper
146	100		
111	38.3	26.5	49.3
148	63.5	45.2	84.0

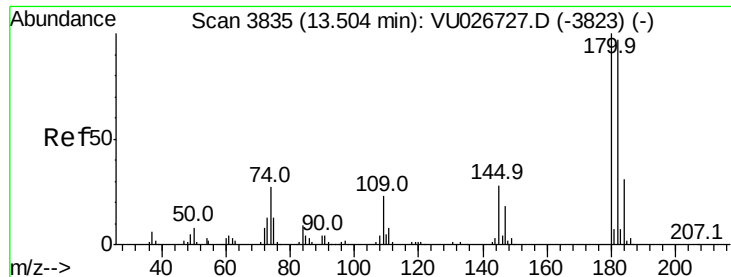


#65
 1,2-Dichlorobenzene
 Concen: 217.487 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026740.D
 Acq: 13 Sep 2018 20:59

Tgt Ion:146 Resp: 583989

Ion	Ratio	Lower	Upper
146	100		
111	40.3	32.8	49.2
148	63.7	52.2	78.4

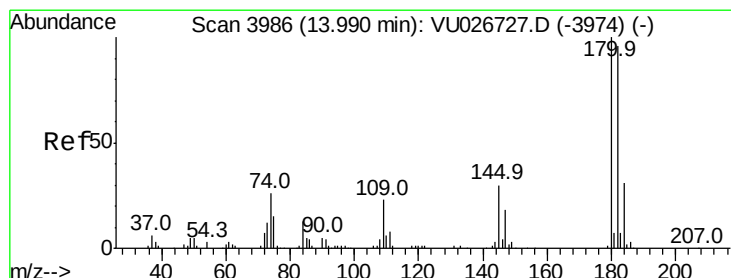
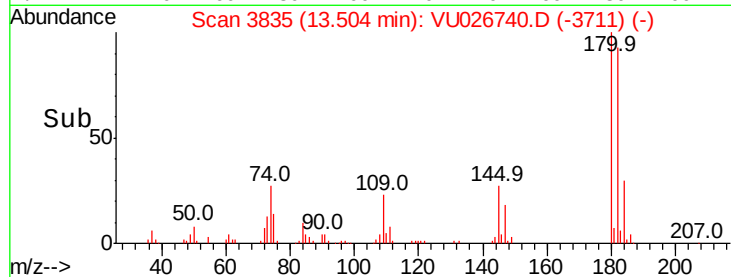
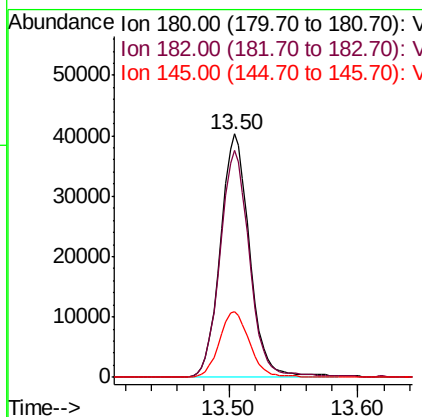
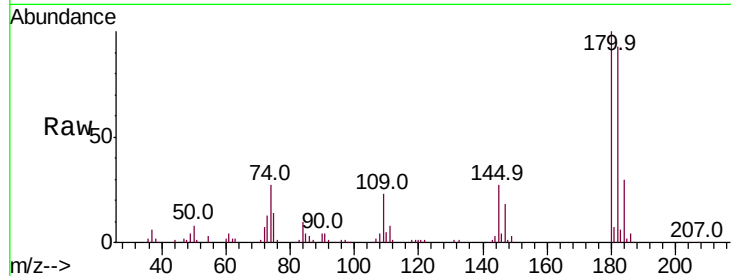




#68
 1,2,4-trichlorobenzene
 Concen: 36.308 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026740.D
 Acq: 13 Sep 2018 20:59

Instrument :
 MSVOA_U
 ClientSampleId :
 C08N0

Tot Ion:180 Resp: 63598
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.0 114.0
 145 27.9 23.4 35.0



#70
 1,2,3-Trichlorobenzene
 Concen: 3.502 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU026740.D
 Acq: 13 Sep 2018 20:59

Tgt Ion:180 Resp: 6645
 Ion Ratio Lower Upper
 180 100
 182 97.7 76.7 115.1
 145 28.0 23.0 34.6

