

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 01:23:29 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	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	678	0.569	ug/L #	18
12) 1,1-Dichloroethene	2.28	96	688	0.601	ug/L #	1
13) Acetone	2.32	43	5901	5.756	ug/L	96
25) Chloroform	4.67	83	3382	1.431	ug/L	94
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
37) 1,2-Dichloropropane	6.33	63	7388	5.211	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1749	0.834	ug/L #	49
44) trans-1,3-Dichloropropene	7.85	75	1312	0.672	ug/L #	68
51) Chlorobenzene	9.12	112	1996524	578.085	ug/L	99
59) 1,2,3-Trichloropropane	11.42	75	10596	6.317	ug/L #	42
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
67) 1,3,5-Trichlorobenzene	13.50	180	63598	31.558	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	63598	36.308	ug/L	99

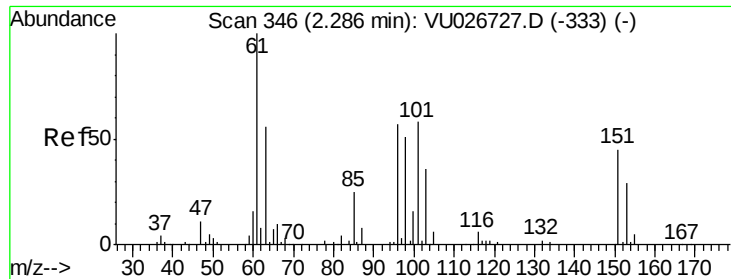
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
Data File : VU026740.D
Acq On : 13 Sep 2018 20:59
Operator : MD/SY
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Quant Time: Sep 14 01:23:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 14 01:21:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.99	180	6645	3.502	ug/L	98

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



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.569 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026740.D

Acq: 13 Sep 2018 20:59

Instrument :

MSVOA_U

ClientSampleId :

C08N0

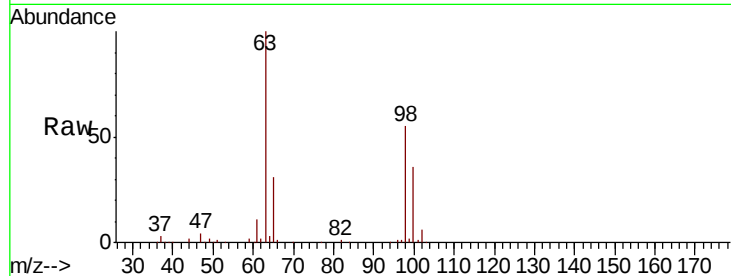
Tgt Ion:101 Resp: 678

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

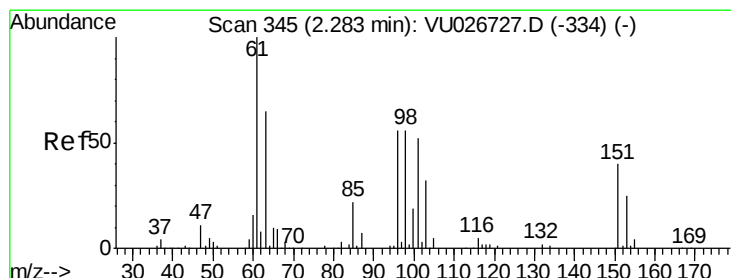
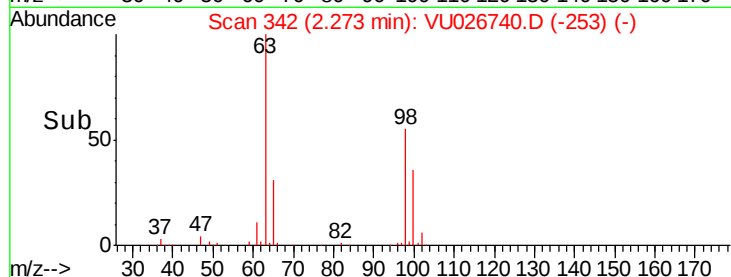
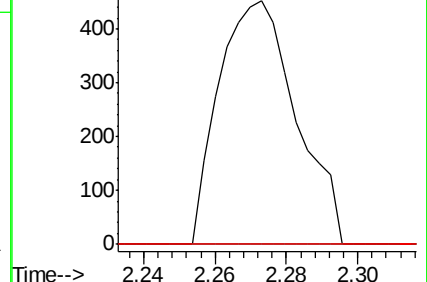
151 0.0 62.6 94.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.601 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU026740.D

Acq: 13 Sep 2018 20:59

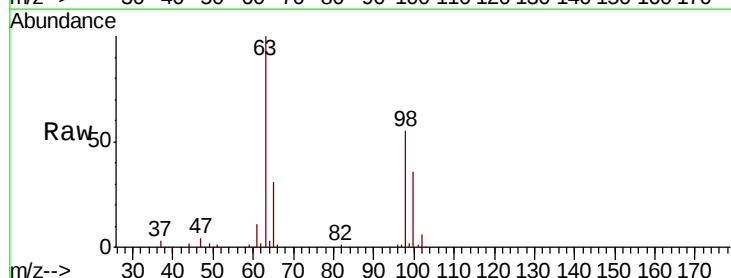
Tgt Ion: 96 Resp: 688

Ion Ratio Lower Upper

96 100

61 1292.6 121.0 224.8#

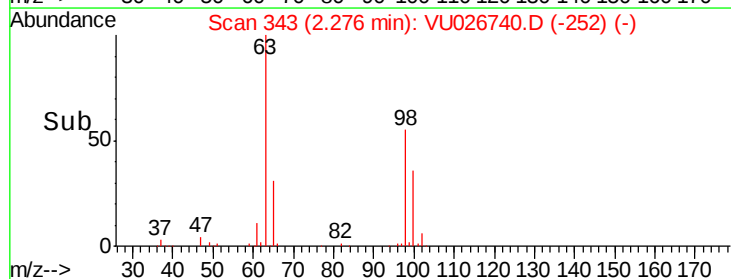
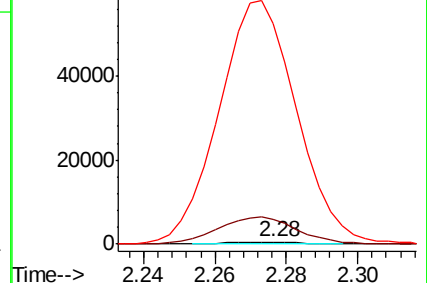
63 11387.0 89.9 166.9#

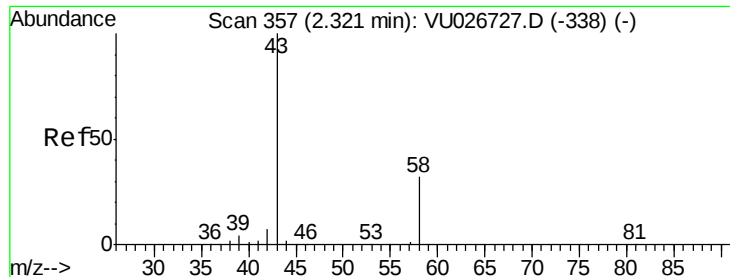


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#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 :

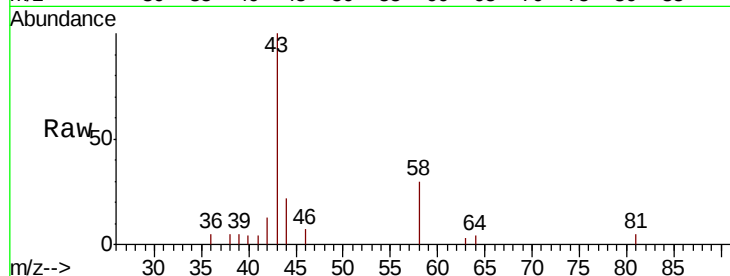
C08N0

Tgt Ion: 43 Resp: 5901

Ion Ratio Lower Upper

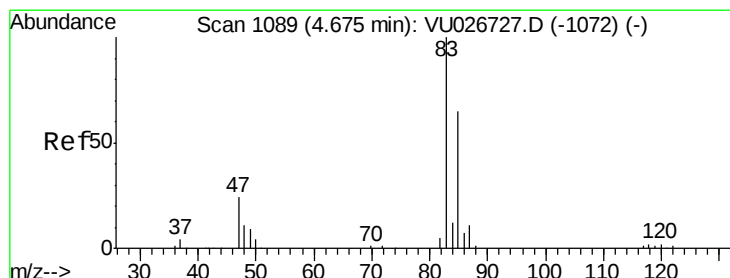
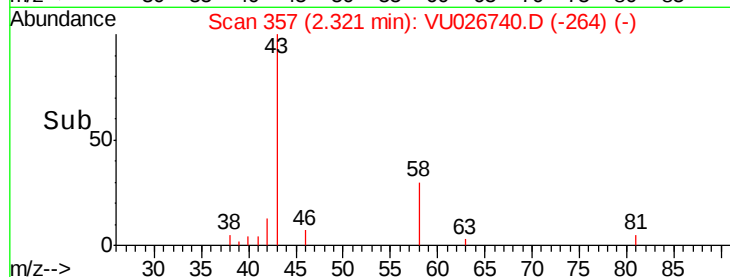
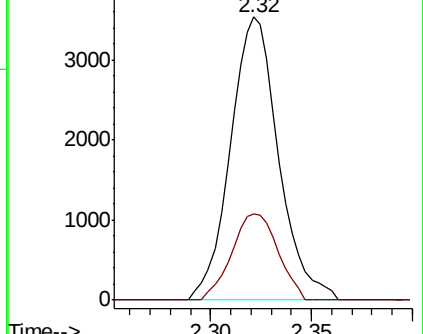
43 100

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



#25

Chloroform

Concen: 1.431 ug/L

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU026740.D

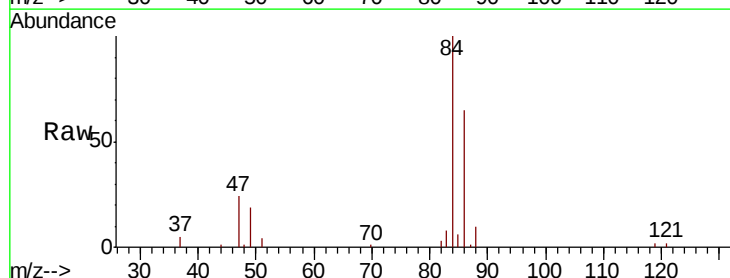
Acq: 13 Sep 2018 20:59

Tgt Ion: 83 Resp: 3382

Ion Ratio Lower Upper

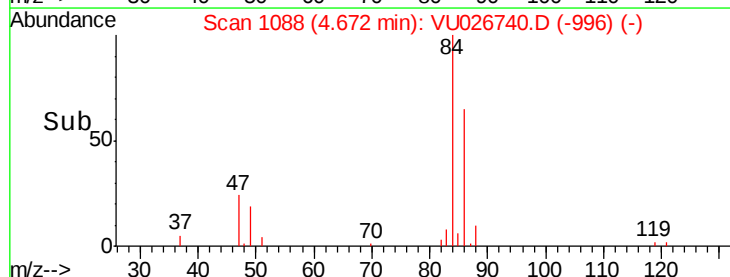
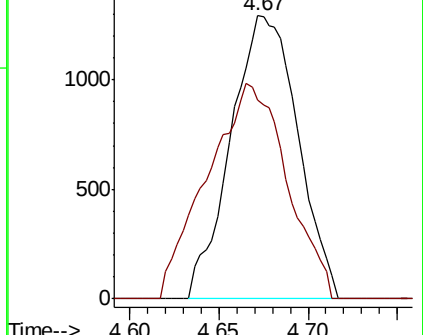
83 100

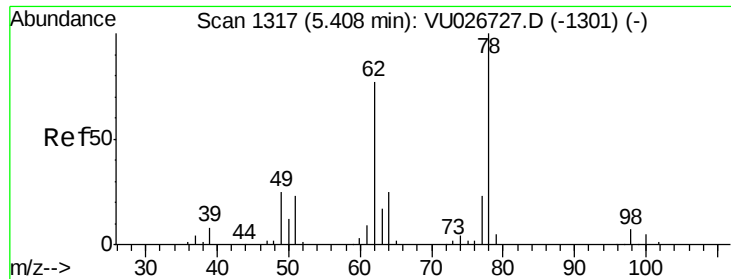
85 70.1 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

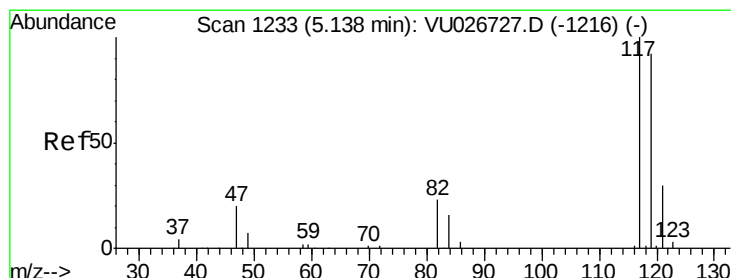
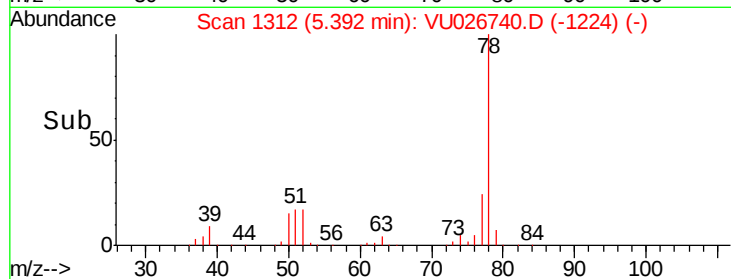
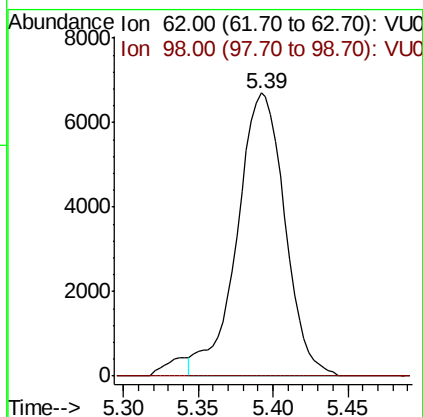
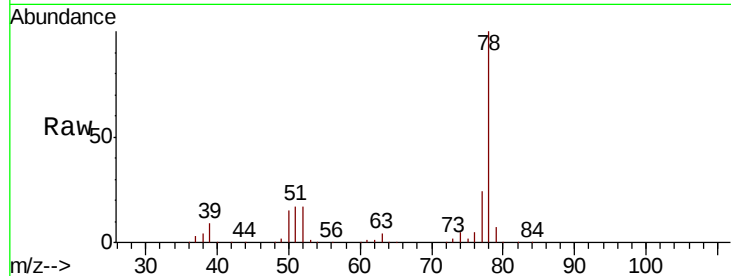




#27
 1,2-Dichloroethane
 Concen: 7.931 ug/L
 RT: 5.39 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: VU026740.D
 Acq: 13 Sep 2018 20:59

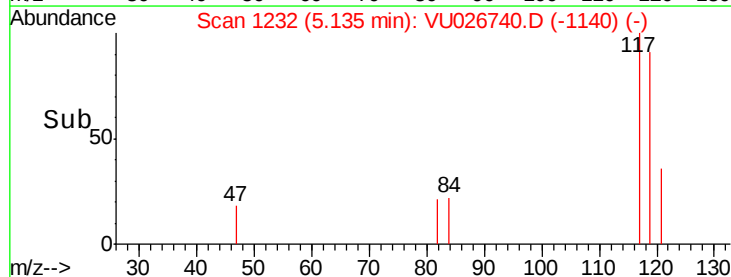
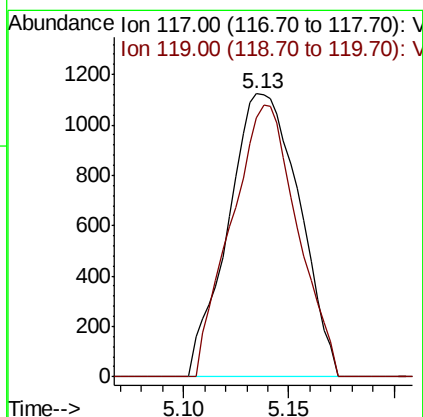
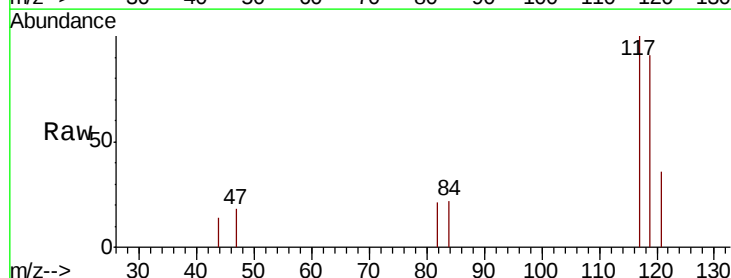
Instrument :
 MSVOA_U
 ClientSampleId :
 C08N0

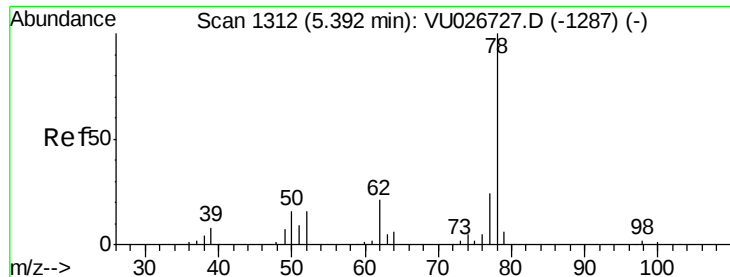
Tgt Ion: 62 Resp: 14887
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.0#



#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

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





#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

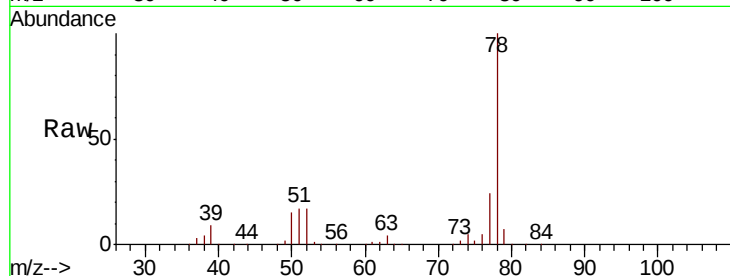
Instrument :

MSVOA_U

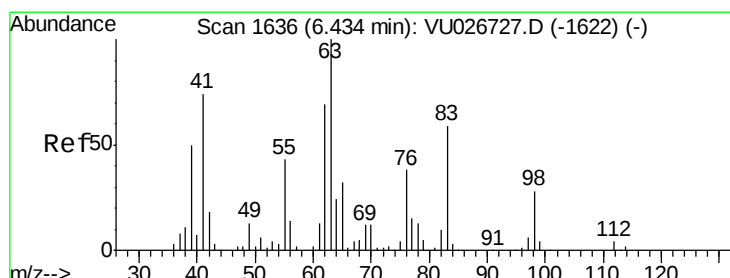
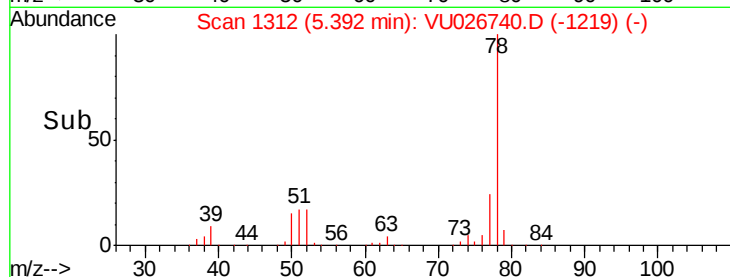
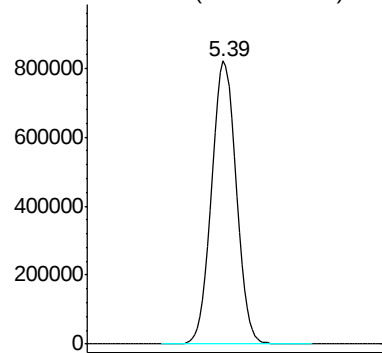
ClientSampleId :

C08N0

Tgt Ion: 78 Resp: 1701007



Abundance Ion 78.00 (77.70 to 78.70): VU0



#37

1,2-Dichloropropane

Concen: 5.211 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026740.D

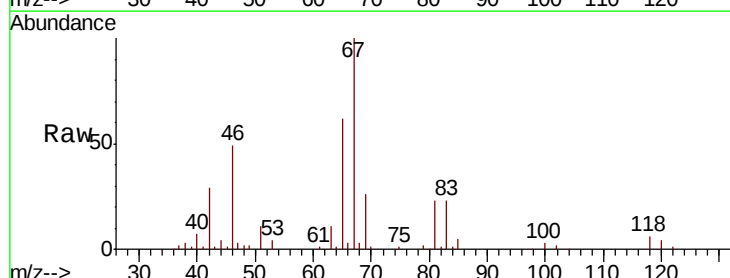
Acq: 13 Sep 2018 20:59

Tgt Ion: 63 Resp: 7388

Ion Ratio Lower Upper

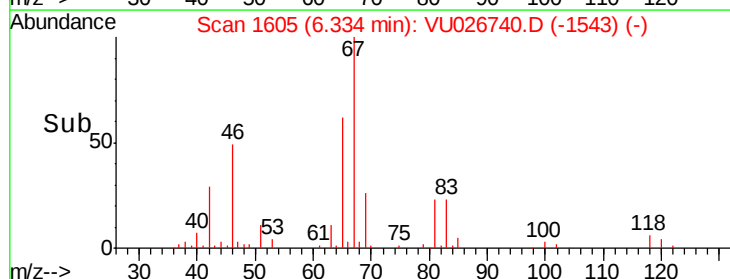
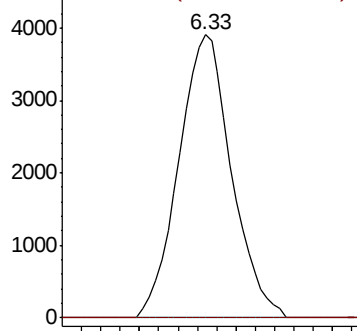
63 100

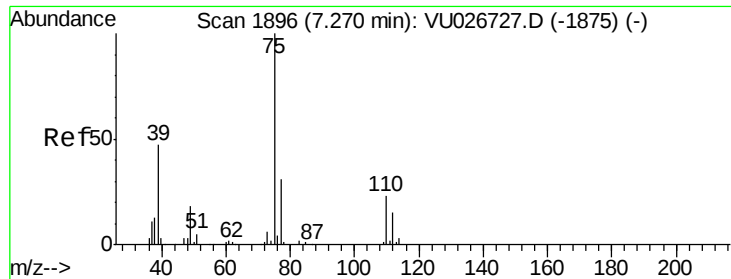
112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



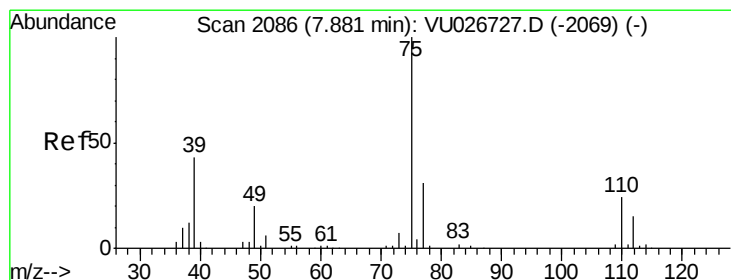
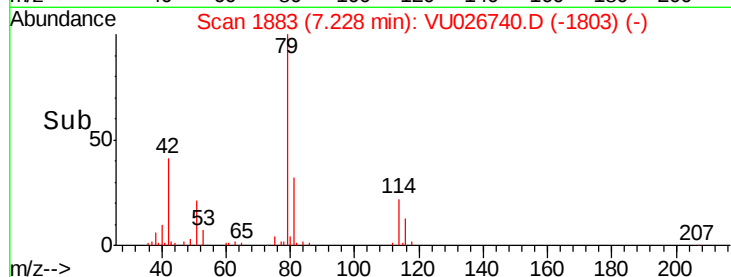
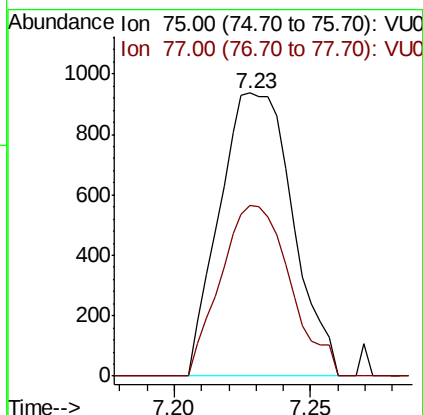
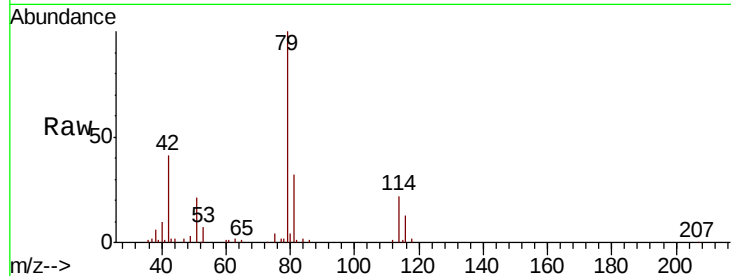


#39

cis-1,3-Dichloropropene
 Concen: 0.834 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026740.D
 Acq: 13 Sep 2018 20:59

Instrument :
 MSVOA_U
 ClientSampled :
 C08N0

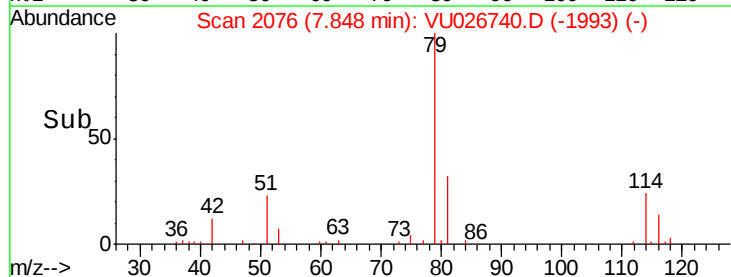
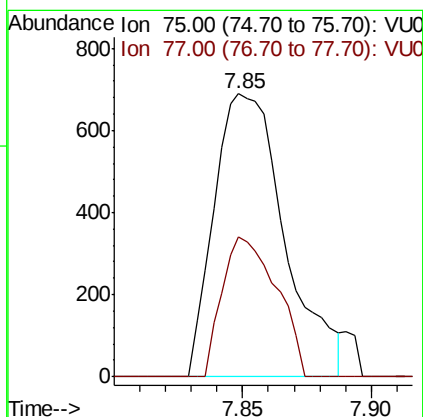
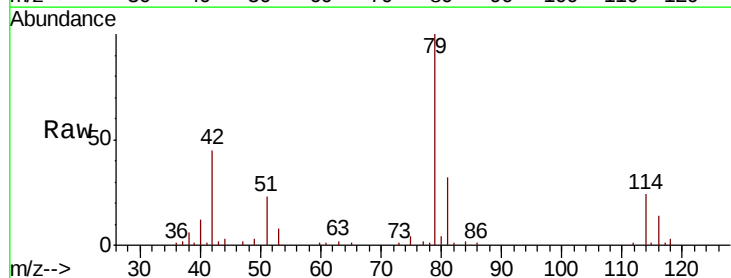
Tgt Ion: 75 Resp: 1749
 Ion Ratio Lower Upper
 75 100
 77 60.4 22.3 41.3#

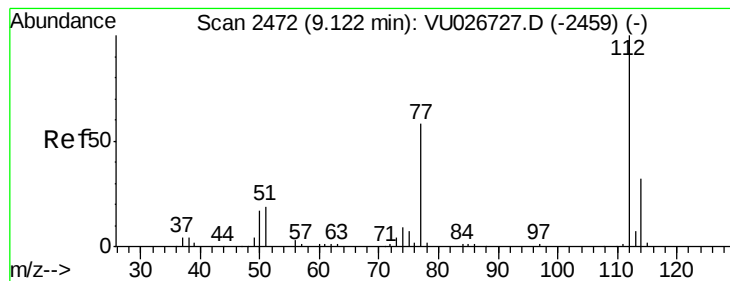


#44

trans-1,3-Dichloropropene
 Concen: 0.672 ug/L
 RT: 7.85 min Scan# 2076
 Delta R.T. -0.03 min
 Lab File: VU026740.D
 Acq: 13 Sep 2018 20:59

Tgt Ion: 75 Resp: 1312
 Ion Ratio Lower Upper
 75 100
 77 49.6 22.4 41.6#





#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

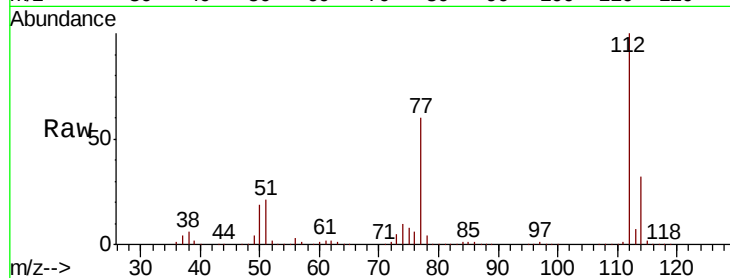
Tgt Ion:112 Resp: 1996524

Ion Ratio Lower Upper

112 100

114 32.5 22.9 42.5

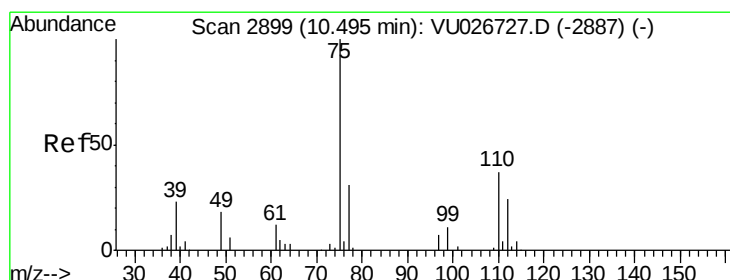
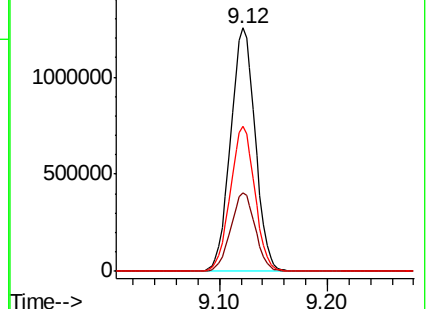
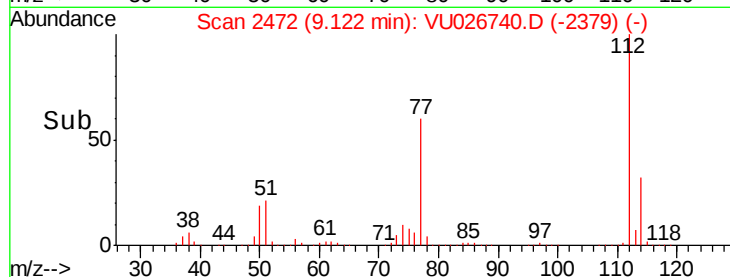
77 59.6 47.2 70.8



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): VU



#59

1,2,3-Trichloropropane

Concen: 6.317 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.92 min

Lab File: VU026740.D

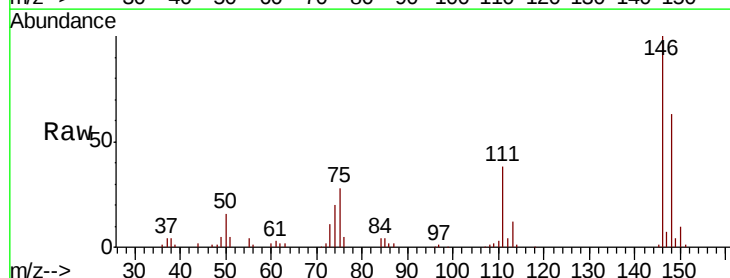
Acq: 13 Sep 2018 20:59

Tgt Ion: 75 Resp: 10596

Ion Ratio Lower Upper

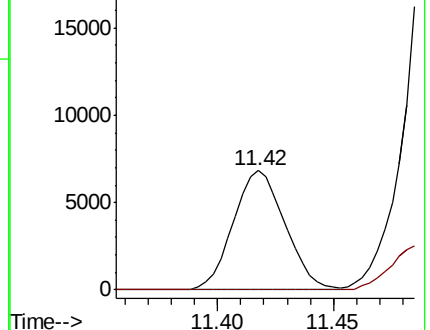
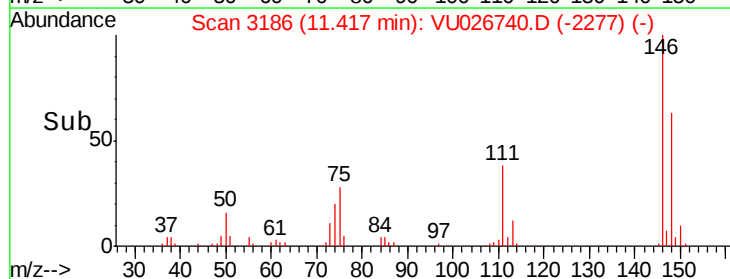
75 100

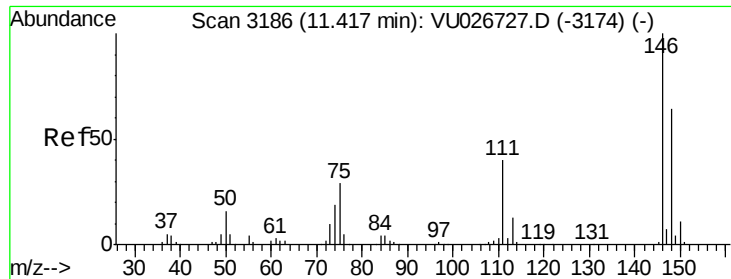
77 0.0 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU





#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

Instrument :

MSVOA_U

ClientSampleId :

C08N0

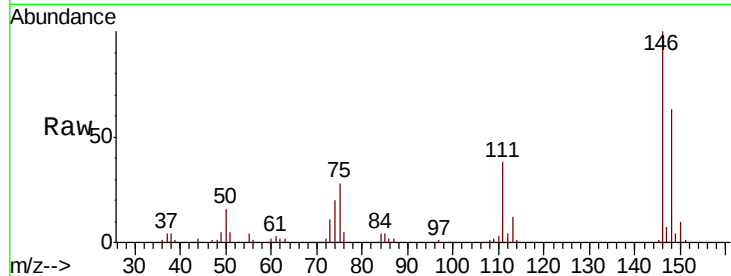
Tgt Ion:146 Resp: 37485

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.5

148 63.1 44.2 82.2

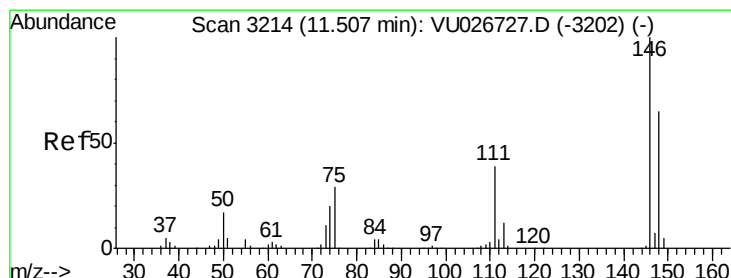
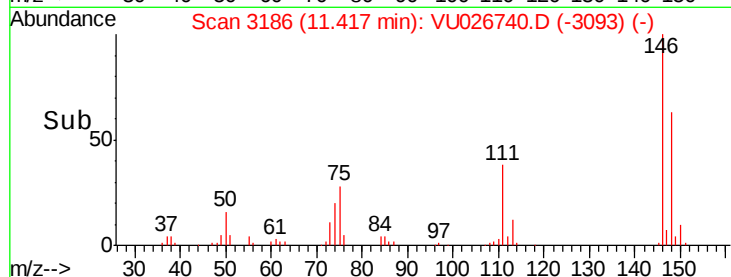
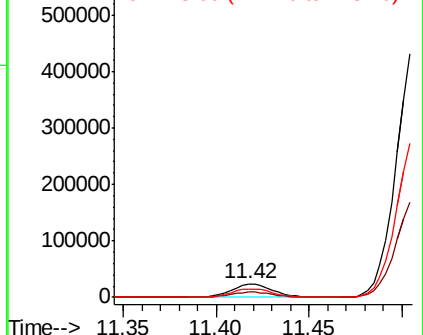


Abundance

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: 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

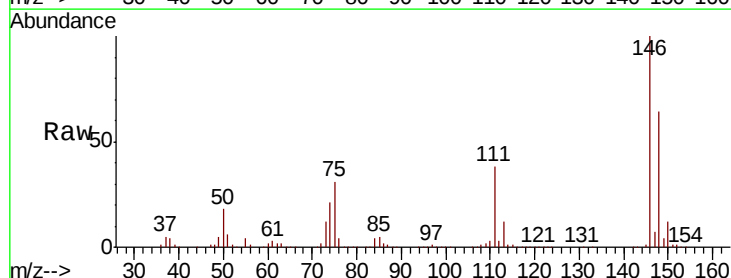
Tgt Ion:146 Resp: 727490

Ion Ratio Lower Upper

146 100

111 38.3 26.5 49.3

148 63.5 45.2 84.0

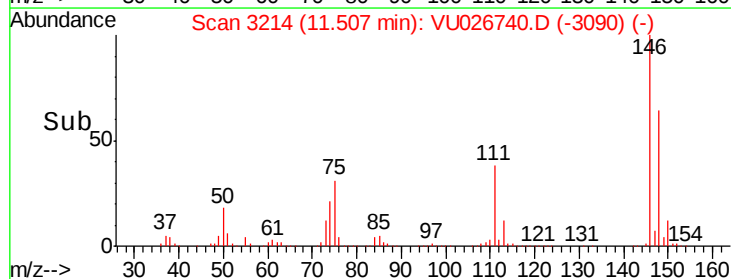
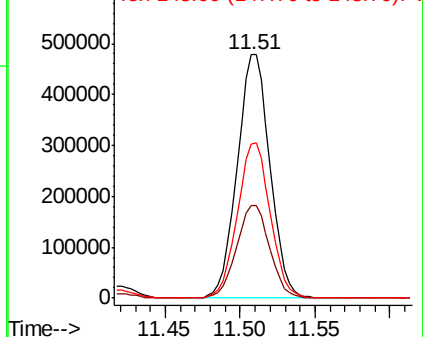


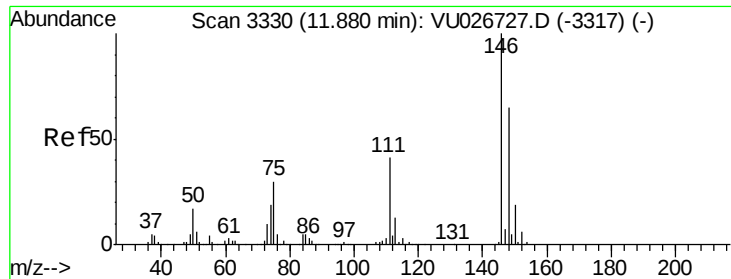
Abundance

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

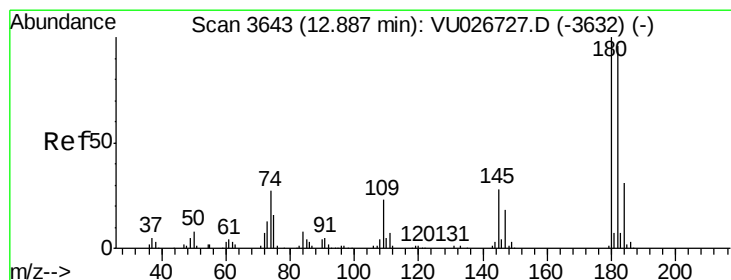
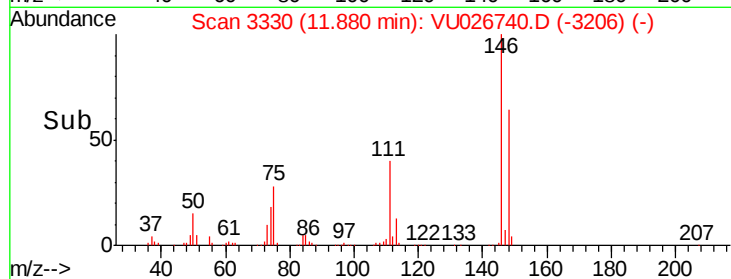
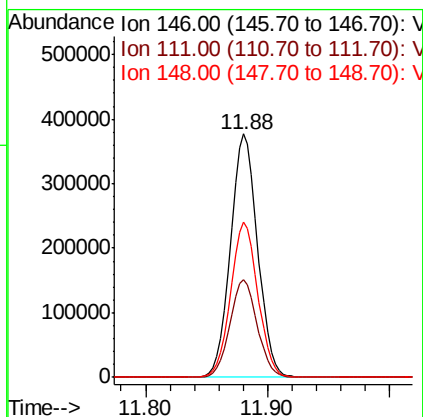
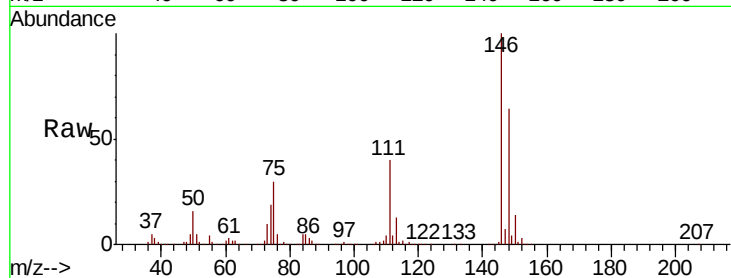




#65
 1,2-Dichlorobenzene
 Concen: 217.487 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026740.D
 Acq: 13 Sep 2018 20:59

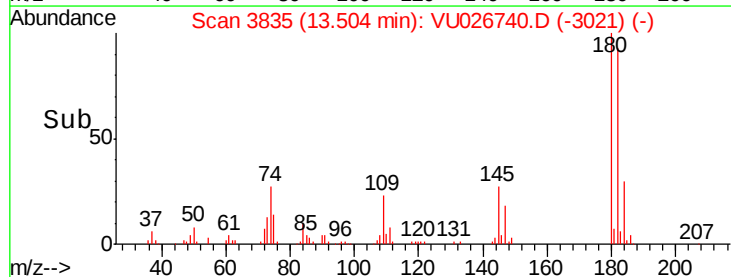
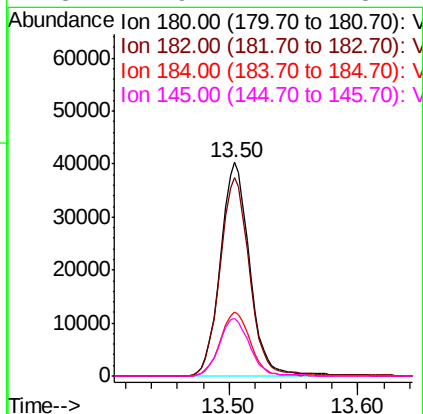
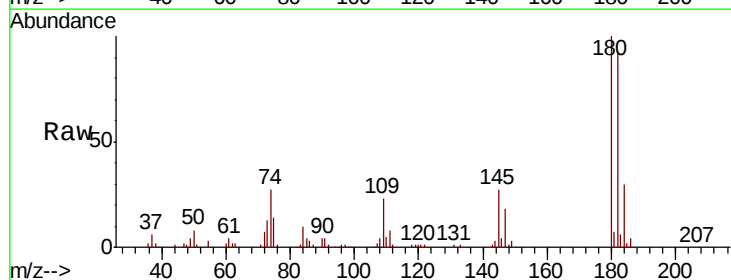
Instrument :
 MSVOA_U
 ClientSampleId :
 C08N0

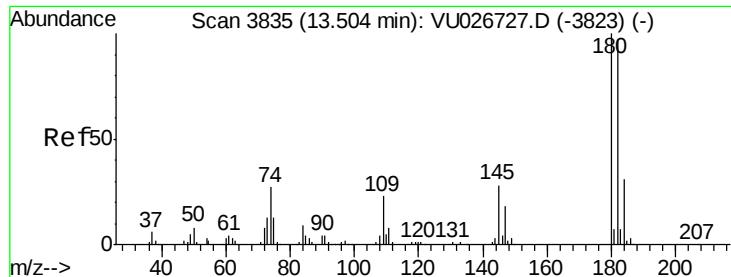
Tgt Ion:146 Resp: 583989
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.8 49.2
 148 63.7 52.2 78.4



#67
 1,3,5-Trichlorobenzene
 Concen: 31.558 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.62 min
 Lab File: VU026740.D
 Acq: 13 Sep 2018 20:59

Tgt Ion:180 Resp: 63598
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.8 115.2
 184 30.6 24.2 36.2
 145 27.9 21.4 32.2





#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

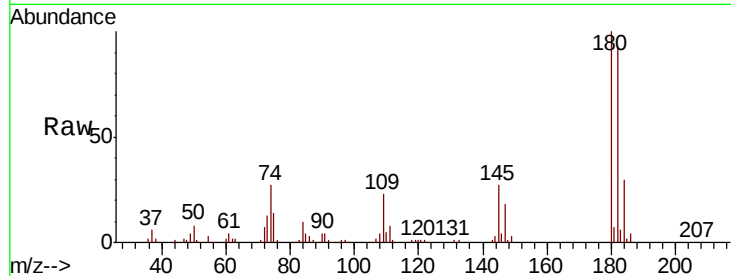
Tgt Ion:180 Resp: 63598

Ion Ratio Lower Upper

180 100

182 93.9 76.0 114.0

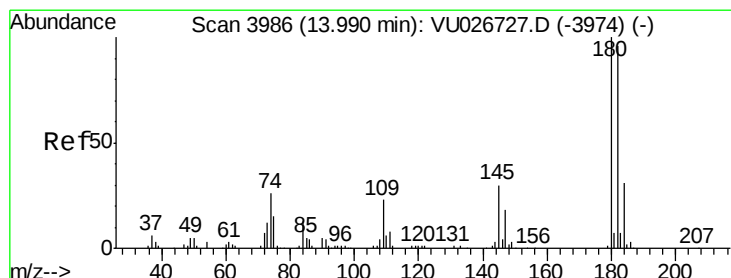
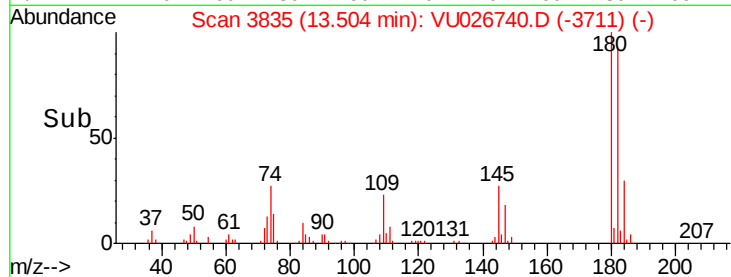
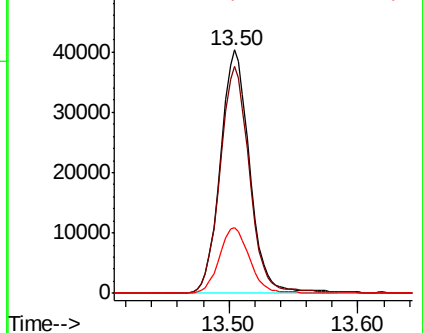
145 27.9 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#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

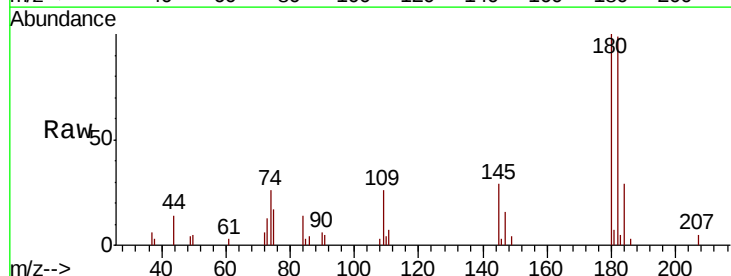
Tgt Ion:180 Resp: 6645

Ion Ratio Lower Upper

180 100

182 97.7 76.7 115.1

145 28.0 23.0 34.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

