

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
 Data File : VU026744.D
 Acq On : 13 Sep 2018 22:32
 Operator : MD/SY
 Sample : J4893-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C08R8

Quant Time: Sep 14 03:01:43 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	184491	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168761	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	73599	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59684	43.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.82%
7) Chloroethane-d5	1.68	69	48125	43.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.88%
11) 1,1-Dichloroethene-d2	2.27	63	83542	33.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.90%
21) 2-Butanone-d5	4.18	46	84295	98.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.53%
24) Chloroform-d	4.65	84	95130	41.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.22%
26) 1,2-Dichloroethane-d4	5.31	65	66100	44.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.36%
32) Benzene-d6	5.34	84	199247	45.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.24%
36) 1,2-Dichloropropane-d6	6.33	67	67534	46.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.16%
41) Toluene-d8	7.57	98	178778	43.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.24%
43) trans-1,3-Dichloropropene-	7.85	79	28976	42.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.04%
47) 2-Hexanone-d5	8.31	63	58934	98.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.55%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	89725	44.71	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.42%
64) 1,2-Dichlorobenzene-d4	11.86	152	66984	45.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	734	0.648	ug/L #	18
12) 1,1-Dichloroethene	2.27	96	710	0.653	ug/L #	1
13) Acetone	2.32	43	1330	1.365	ug/L	84
15) Methyl Acetate	2.44	43	5336	3.838	ug/L #	52
25) Chloroform	4.67	83	2691	1.198	ug/L	99
33) Benzene	5.39	78	2144	0.454	ug/L	100
35) Methylcyclohexane	6.33	83	15165	8.065	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6840	5.181	ug/L #	89
39) cis-1,3-Dichloropropene	7.23	75	1625	0.832	ug/L #	55
40) 4-Methyl-2-pentanone	7.39	43	1679	0.997	ug/L #	44
44) trans-1,3-Dichloropropene	7.85	75	1140	0.627	ug/L #	80
51) Chlorobenzene	9.12	112	19241	5.982	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	1802	0.853	ug/L	91
63) 1,4-Dichlorobenzene	11.51	146	16628	7.427	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	42907	19.211	ug/L	100
67) 1,3,5-Trichlorobenzene	13.51	180	17678	10.546	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	17678	12.133	ug/L	97

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

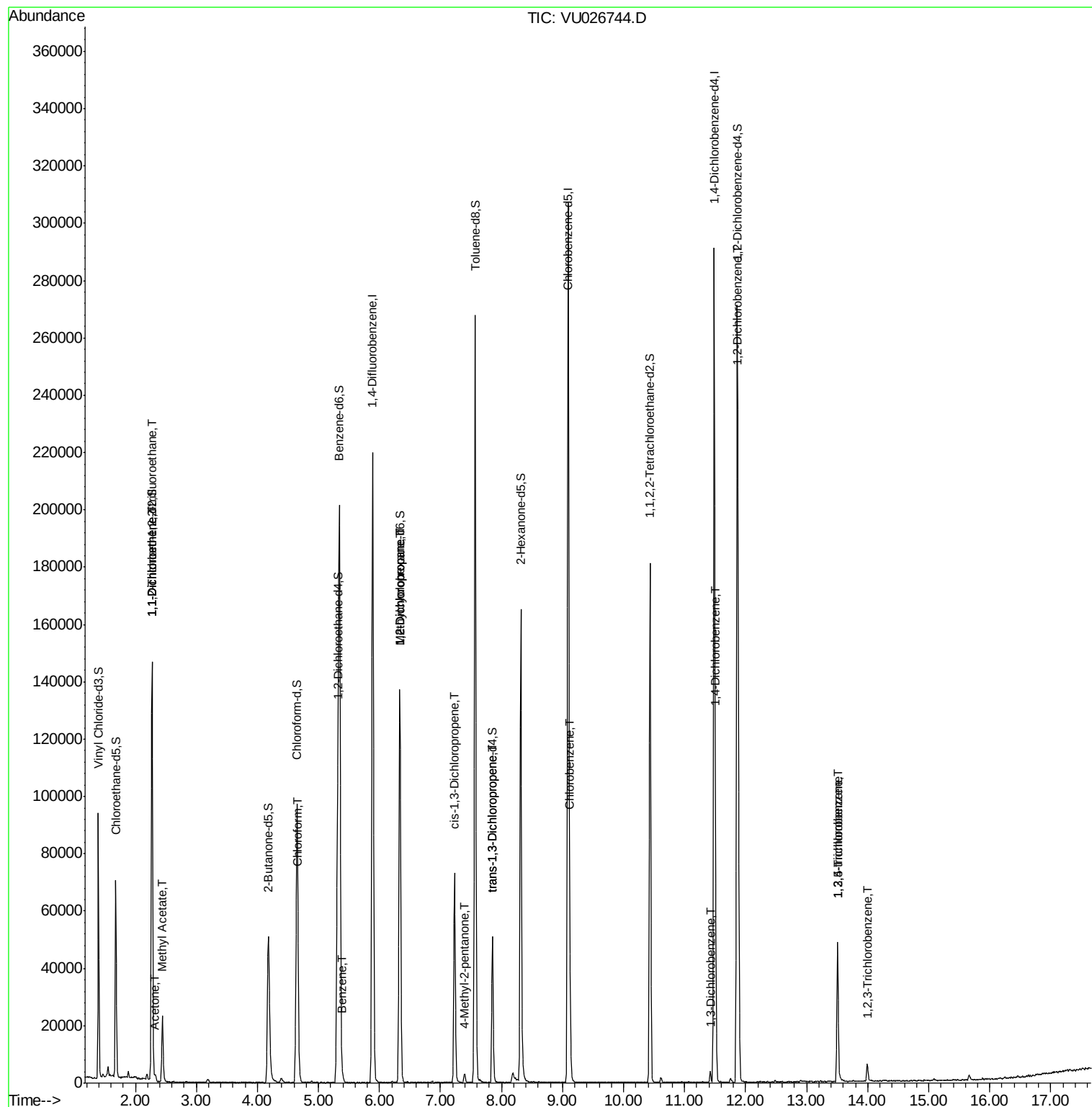
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.99	180	2844	1.802	ug/L	98

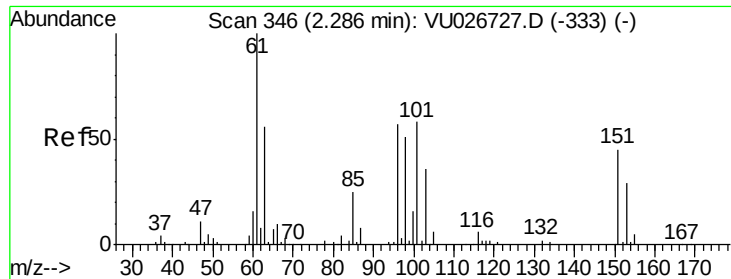
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
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Response via : Initial Calibration





#10

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

Concen: 0.648 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026744.D

Acq: 13 Sep 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

C08R8

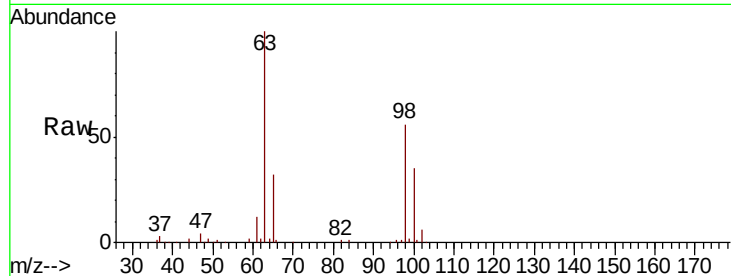
Tgt Ion:101 Resp: 734

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

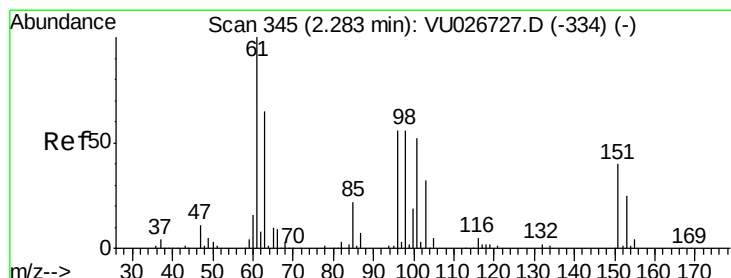
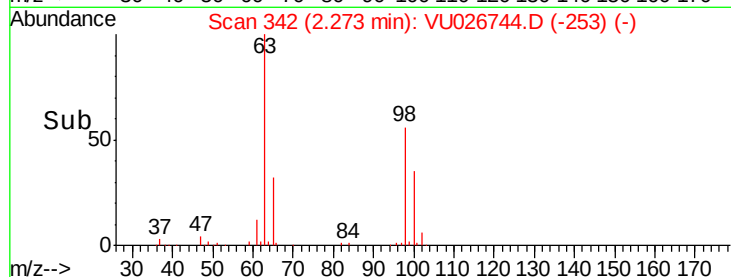
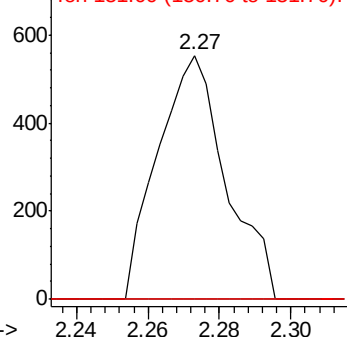
151 0.0 62.6 94.0#



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: 0.653 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026744.D

Acq: 13 Sep 2018 22:32

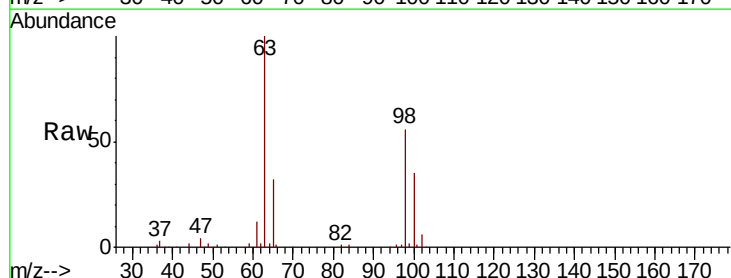
Tgt Ion: 96 Resp: 710

Ion Ratio Lower Upper

96 100

61 1497.8 121.0 224.8#

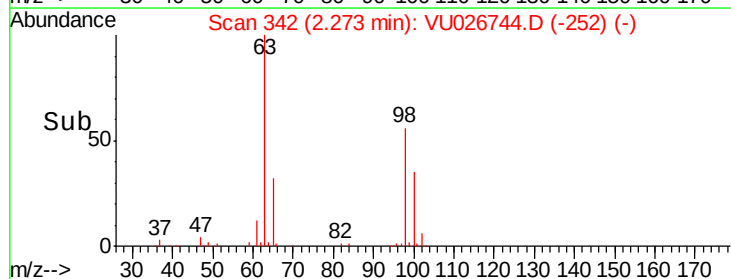
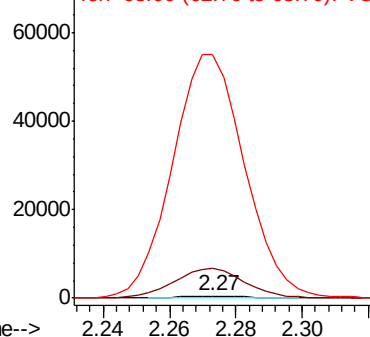
63 12315.0 89.9 166.9#

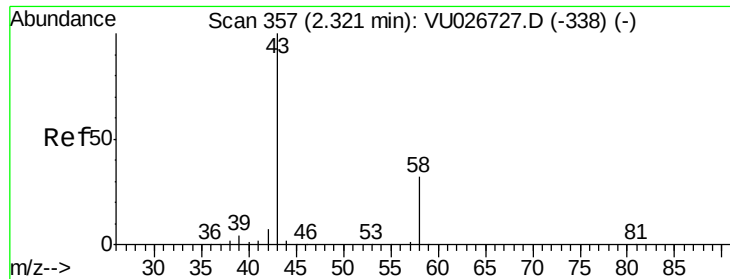


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.365 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026744.D

Acq: 13 Sep 2018 22:32

Instrument :

MSVOA_U

ClientSampled :

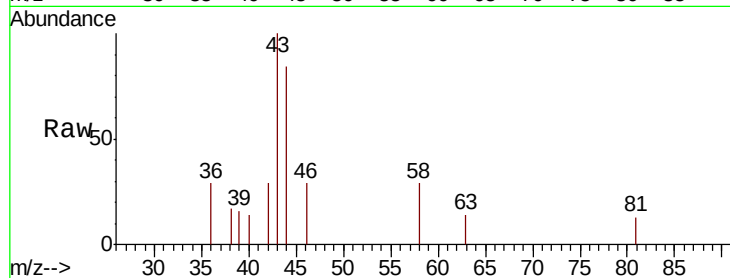
C08R8

Tgt Ion: 43 Resp: 1330

Ion Ratio Lower Upper

43 100

58 22.8 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

800

600

400

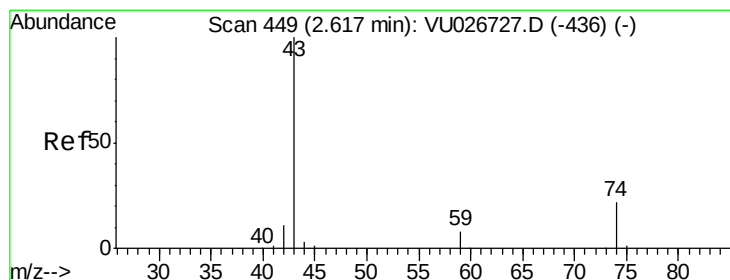
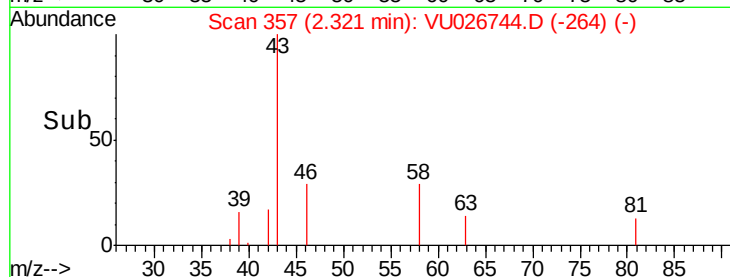
200

0

2.30

2.35

Time-->



#15

Methyl Acetate

Concen: 3.838 ug/L

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU026744.D

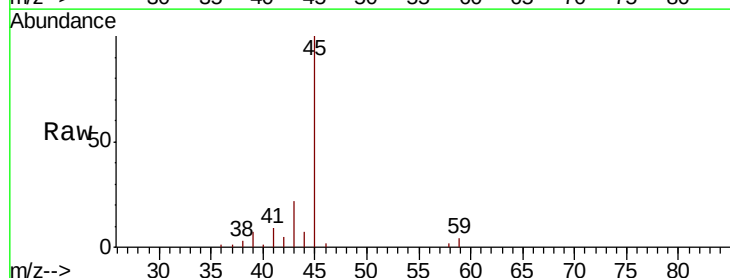
Acq: 13 Sep 2018 22:32

Tgt Ion: 43 Resp: 5336

Ion Ratio Lower Upper

43 100

74 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.44

3000

2000

1000

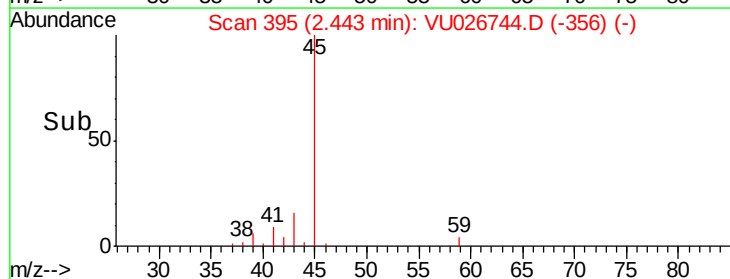
0

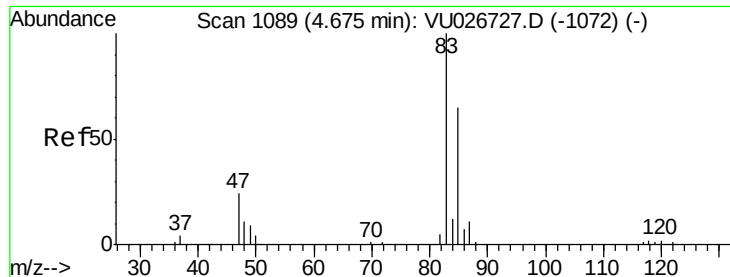
2.40

2.45

2.50

Time-->

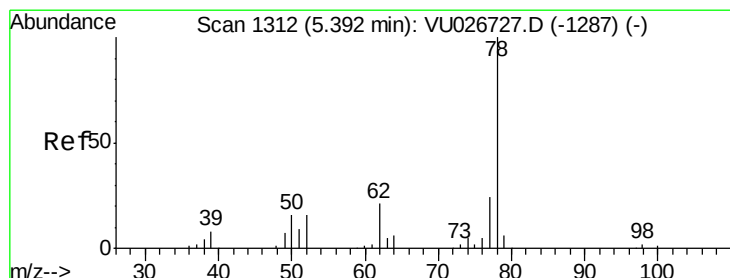
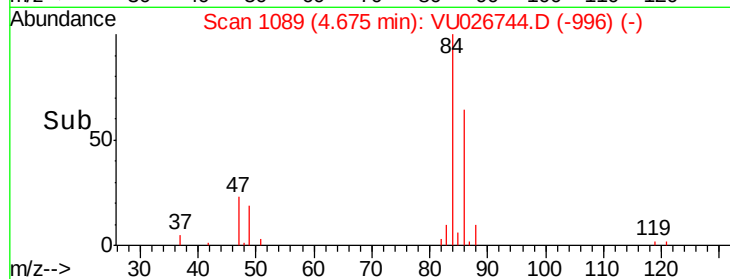
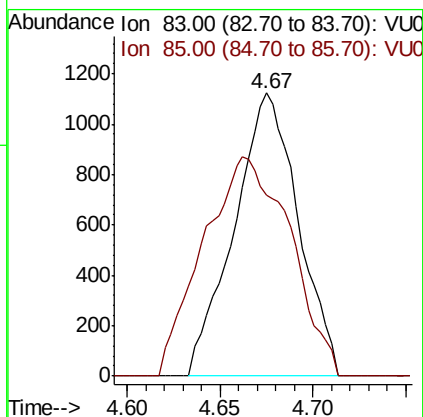
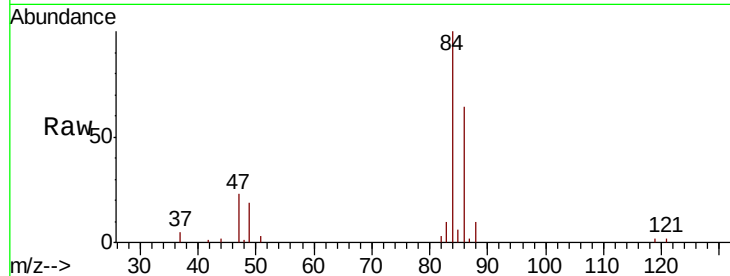




#25
Chloroform
Concen: 1.198 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026744.D
Acq: 13 Sep 2018 22:32

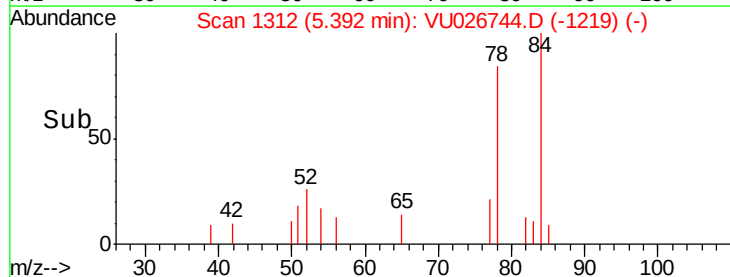
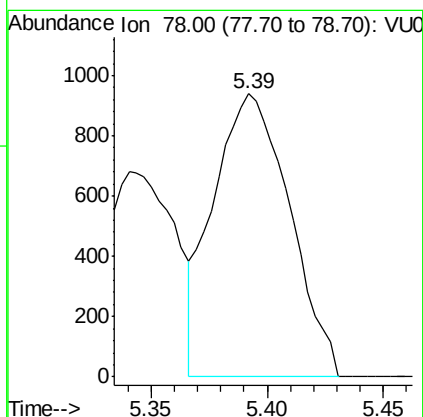
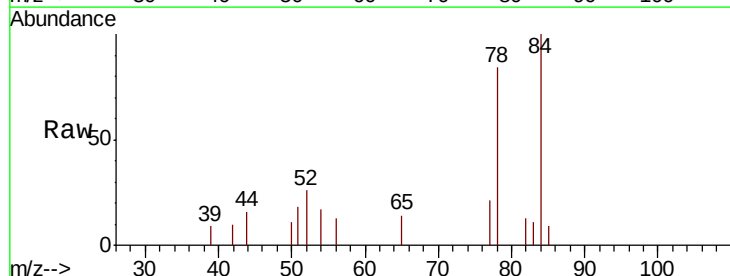
Instrument :
MSVOA_U
ClientSampled :
C08R8

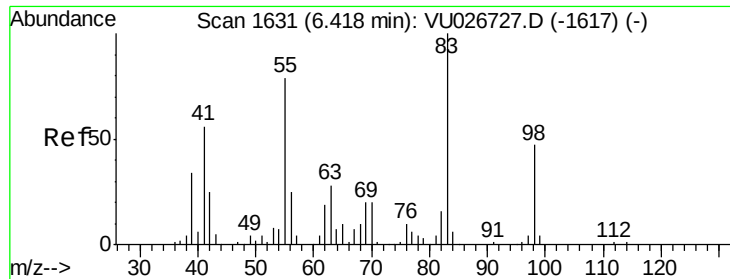
Tgt Ion: 83 Resp: 2691
Ion Ratio Lower Upper
83 100
85 64.0 45.6 84.6



#33
Benzene
Concen: 0.454 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026744.D
Acq: 13 Sep 2018 22:32

Tgt Ion: 78 Resp: 2144

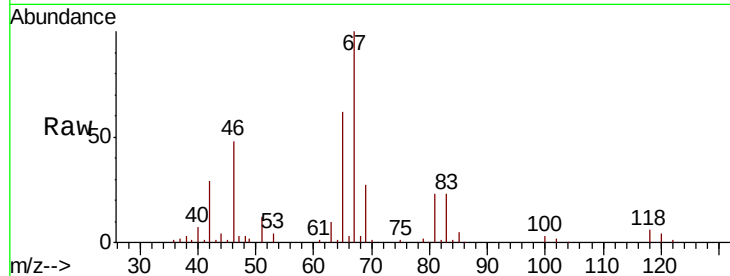




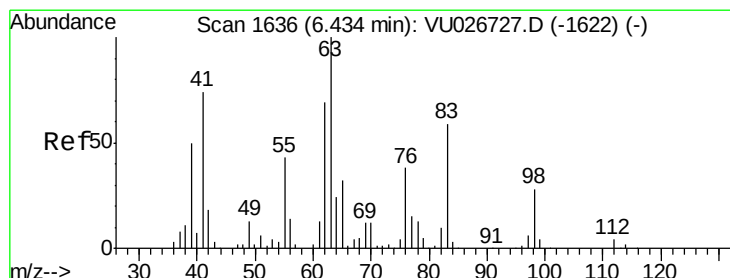
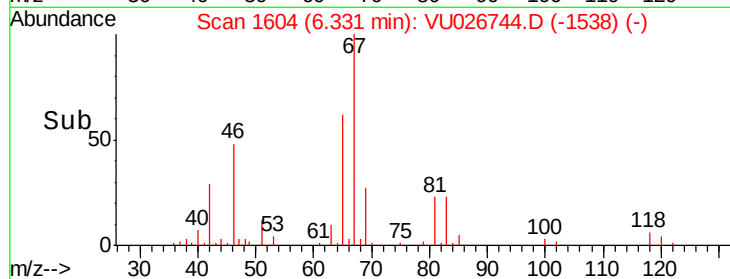
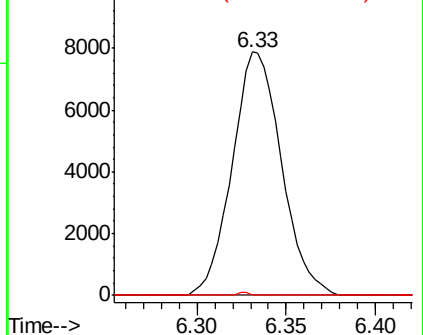
#35
Methylcyclohexane
Concen: 8.065 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.09 min
Lab File: VU026744.D
Acq: 13 Sep 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
C08R8

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.9	94.3#
98	0.3	37.0	55.4#

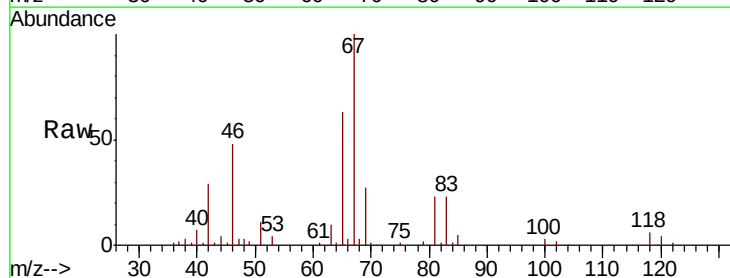


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

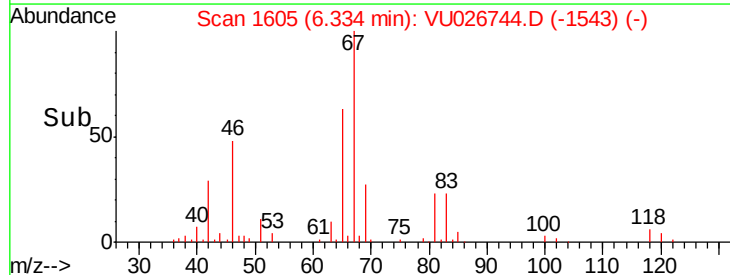
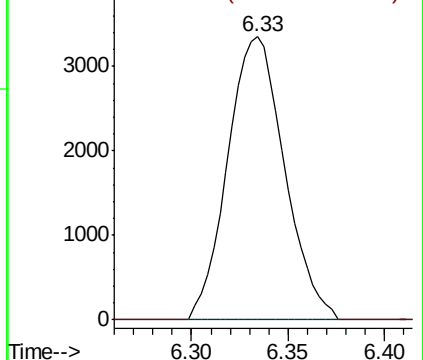


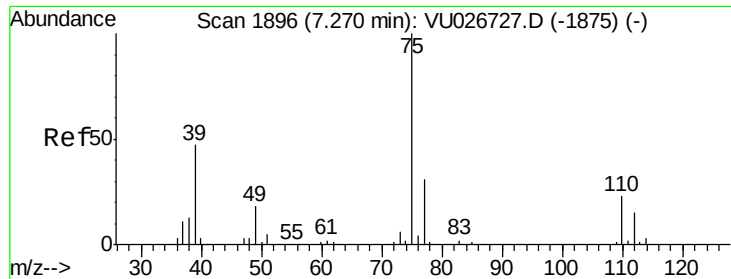
#37
1,2-Dichloropropane
Concen: 5.181 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU026744.D
Acq: 13 Sep 2018 22:32

Tgt 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

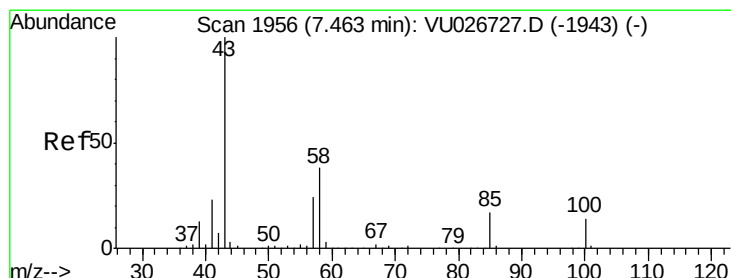
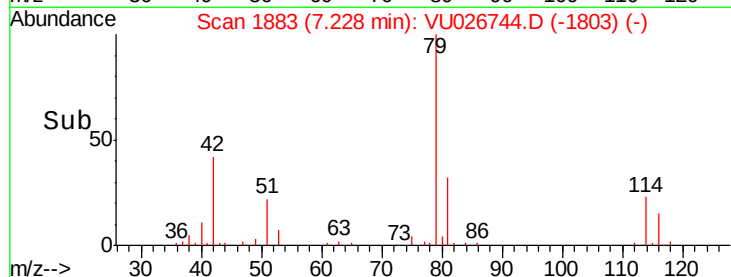
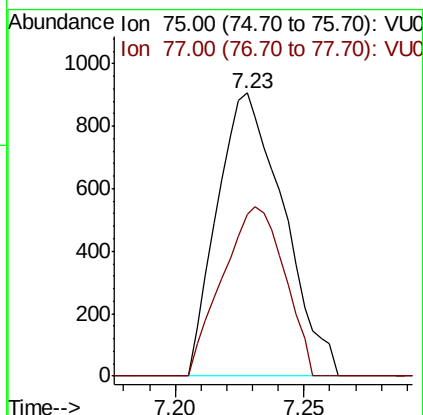
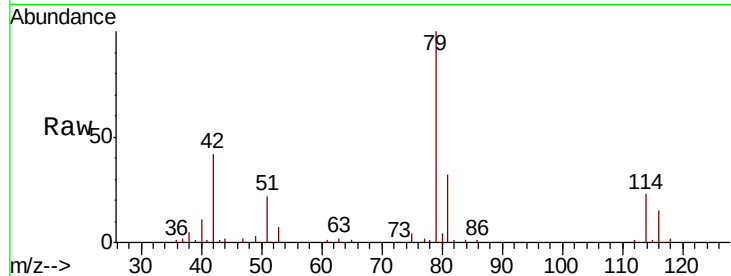




#39
 cis-1,3-Dichloropropene
 Concen: 0.832 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU026744.D
 Acq: 13 Sep 2018 22:32

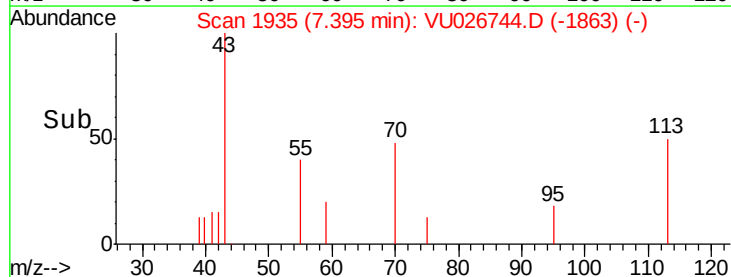
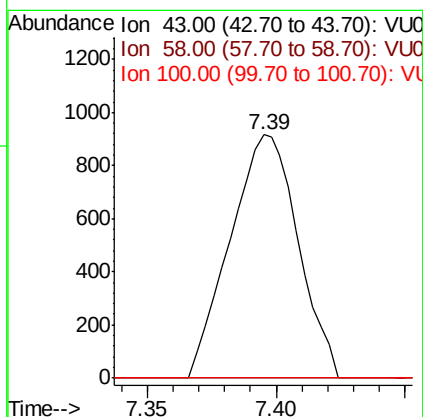
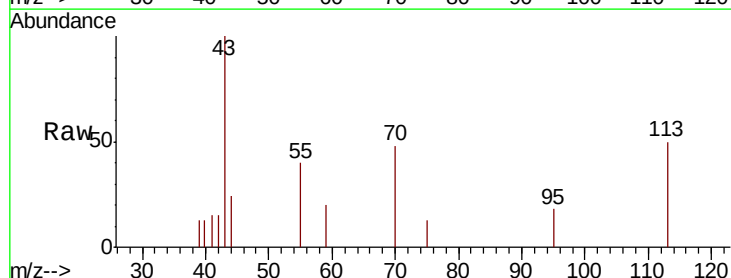
Instrument :
 MSVOA_U
 ClientSampled :
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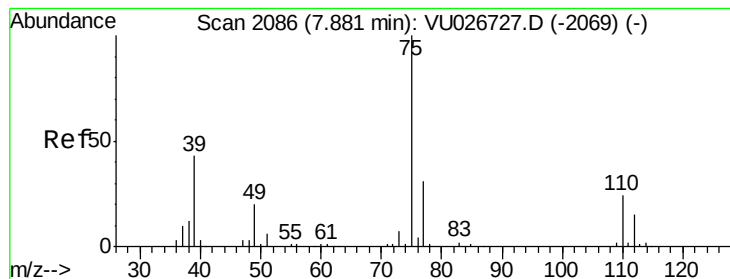
Tgt Ion: 75 Resp: 1625
 Ion Ratio Lower Upper
 75 100
 77 57.0 22.3 41.3#



#40
 4-Methyl-2-pentanone
 Concen: 0.997 ug/L
 RT: 7.39 min Scan# 1935
 Delta R.T. -0.07 min
 Lab File: VU026744.D
 Acq: 13 Sep 2018 22:32

Tgt Ion: 43 Resp: 1679
 Ion Ratio Lower Upper
 43 100
 58 0.0 31.1 46.7#
 100 0.0 11.3 16.9#





#44

trans-1,3-Dichloropropene

Concen: 0.627 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026744.D

Acq: 13 Sep 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

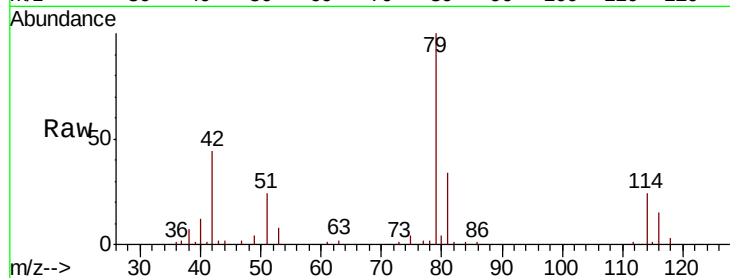
C08R8

Tgt Ion: 75 Resp: 1140

Ion Ratio Lower Upper

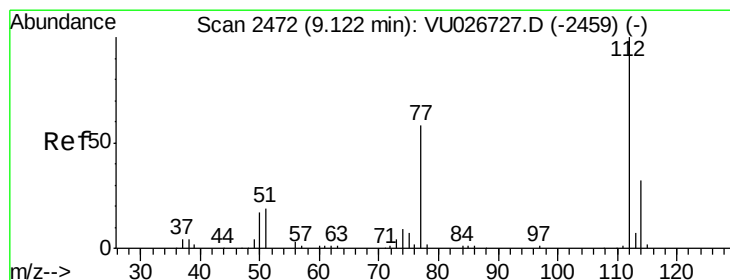
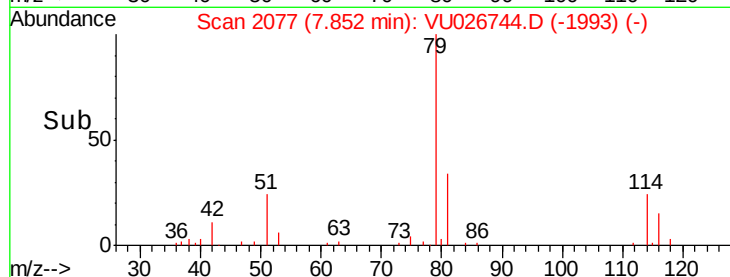
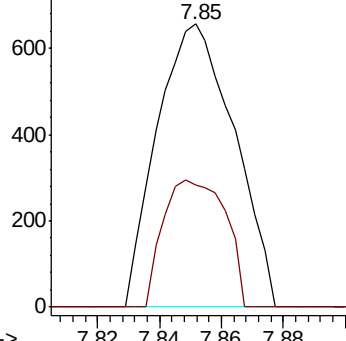
75 100

77 42.9 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#51

Chlorobenzene

Concen: 5.982 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026744.D

Acq: 13 Sep 2018 22:32

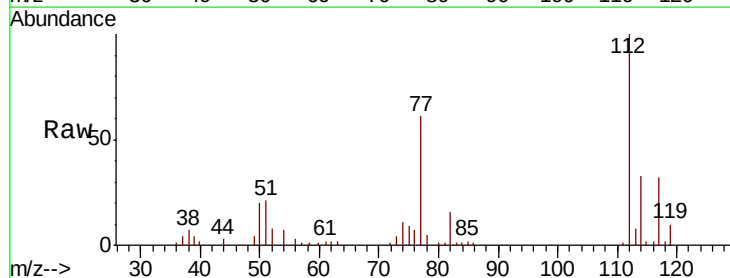
Tgt Ion: 112 Resp: 19241

Ion Ratio Lower Upper

112 100

114 32.6 22.9 42.5

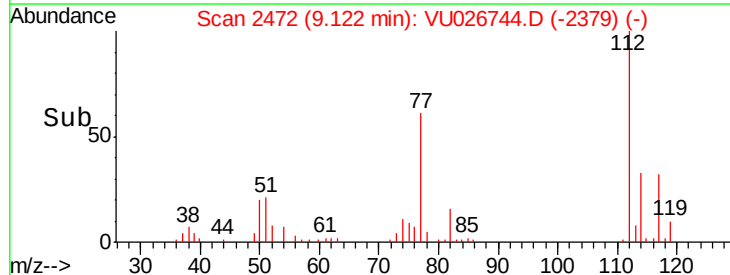
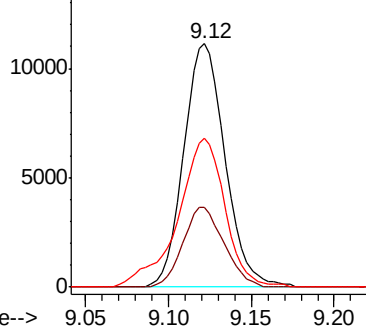
77 61.1 47.2 70.8

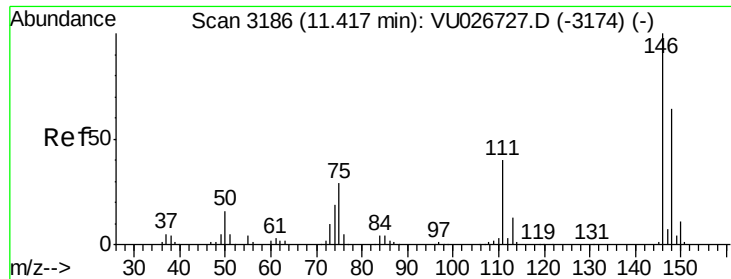


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

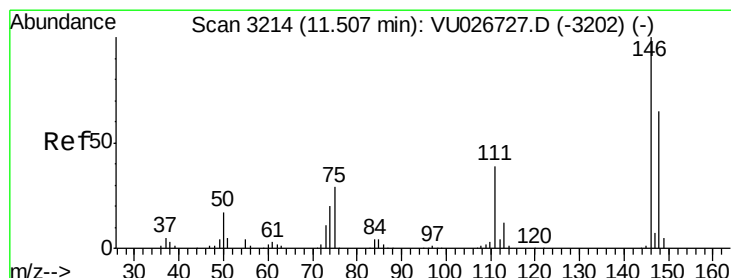
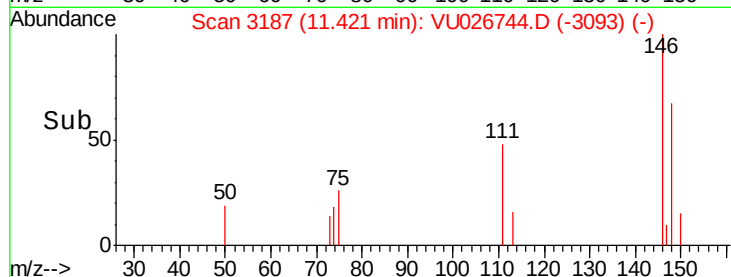
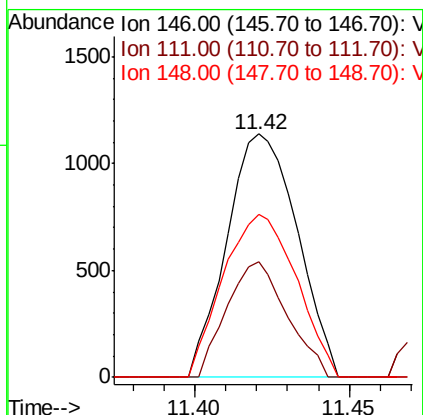
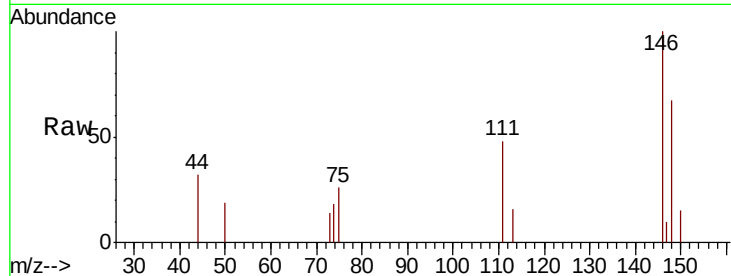




#62
 1,3-Dichlorobenzene
 Concen: 0.853 ug/L
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU026744.D
 Acq: 13 Sep 2018 22:32

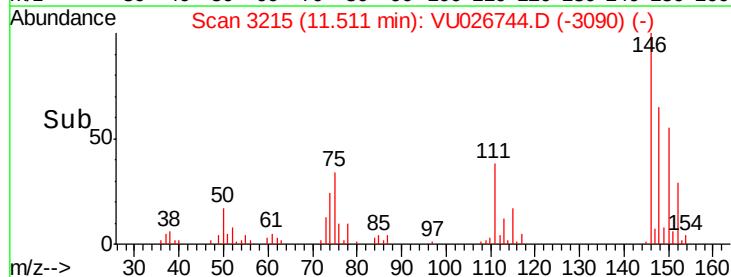
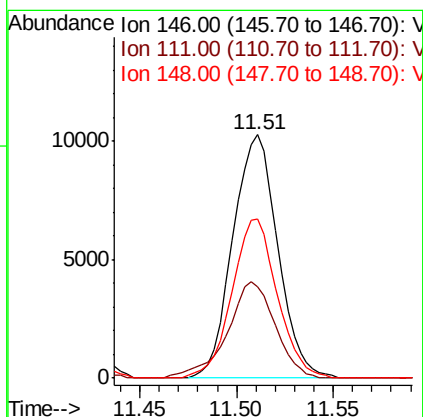
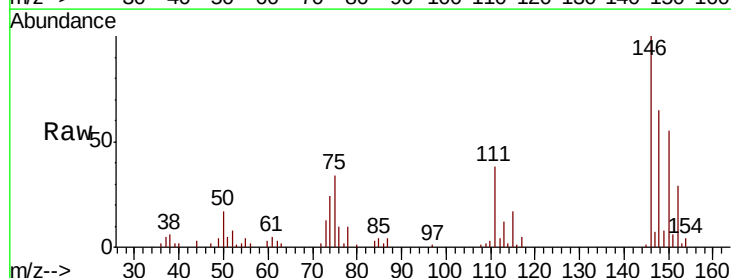
Instrument :
 MSVOA_U
 ClientSampleId :
 C08R8

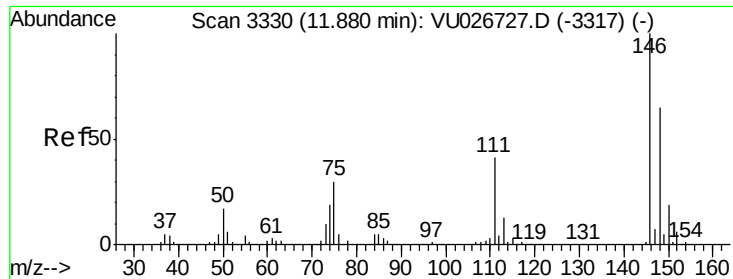
Tgt Ion:146 Resp: 1802
 Ion Ratio Lower Upper
 146 100
 111 47.7 26.7 49.5
 148 67.1 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 7.427 ug/L
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU026744.D
 Acq: 13 Sep 2018 22:32

Tgt Ion:146 Resp: 16628
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.5 49.3
 148 65.3 45.2 84.0

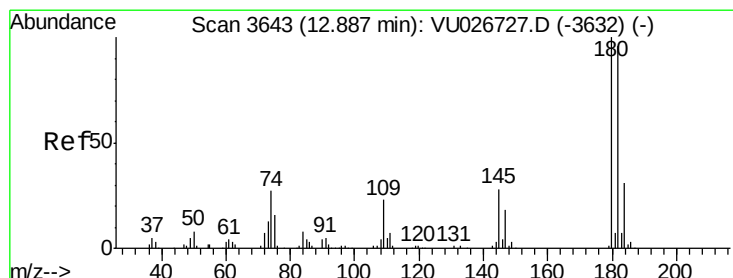
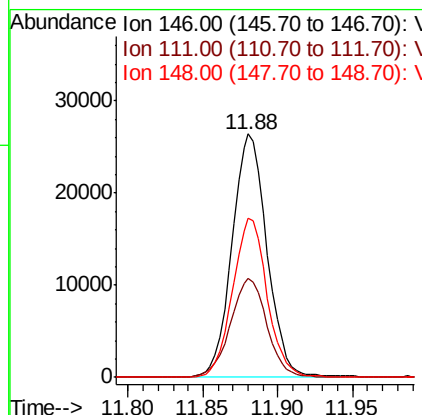
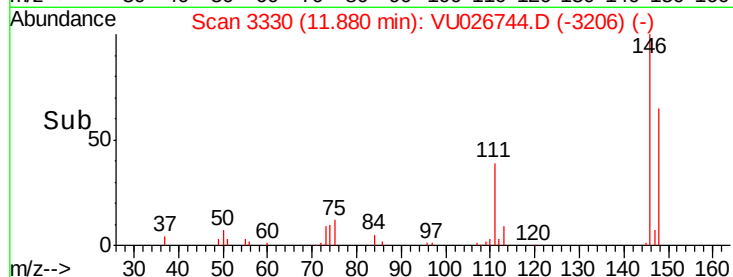
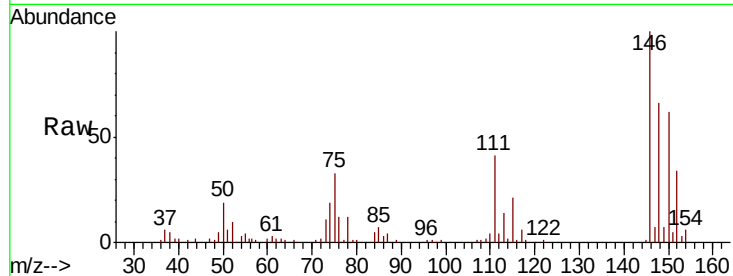




#65
 1,2-Dichlorobenzene
 Concen: 19.211 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026744.D
 Acq: 13 Sep 2018 22:32

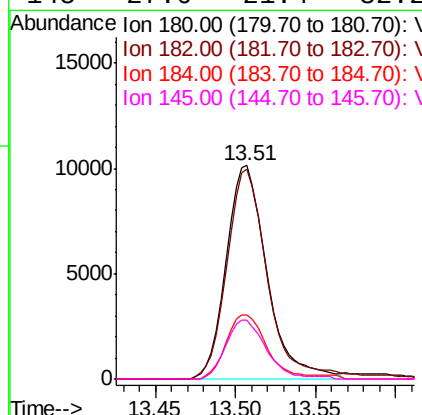
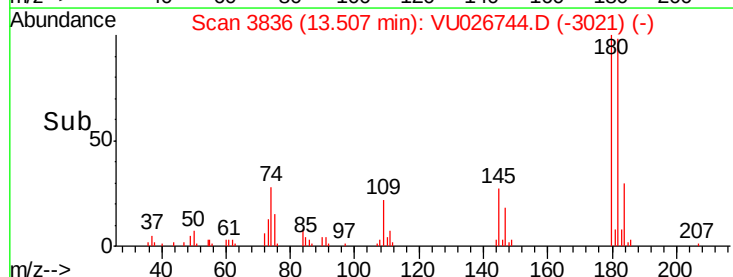
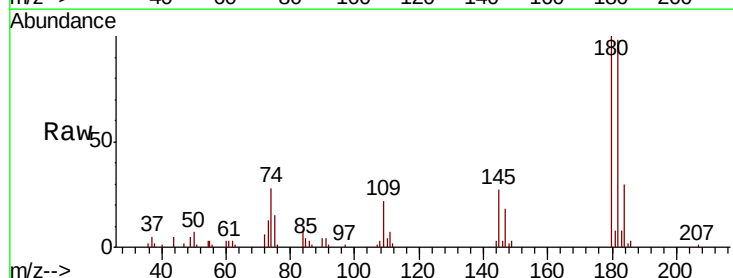
Instrument :
 MSVOA_U
 ClientSampleId :
 C08R8

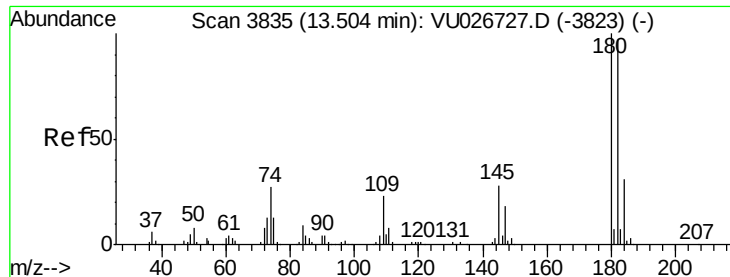
Tgt Ion:146 Resp: 42907
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.8 49.2
 148 65.5 52.2 78.4



#67
 1,3,5-Trichlorobenzene
 Concen: 10.546 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.62 min
 Lab File: VU026744.D
 Acq: 13 Sep 2018 22:32

Tgt Ion:180 Resp: 17678
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.8 115.2
 184 30.2 24.2 36.2
 145 27.0 21.4 32.2

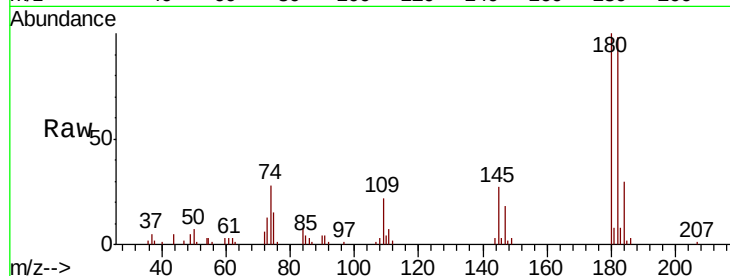




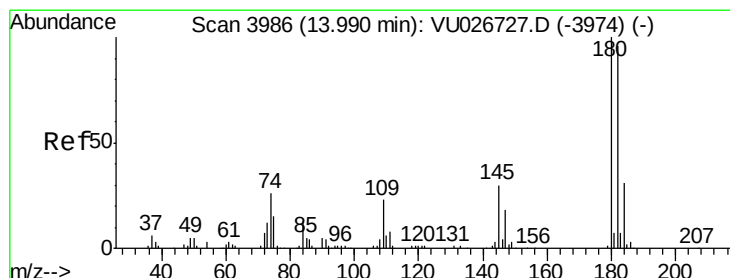
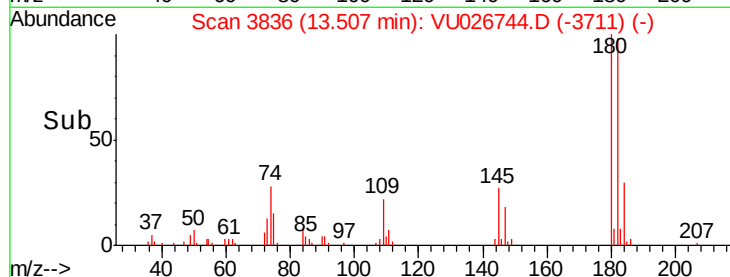
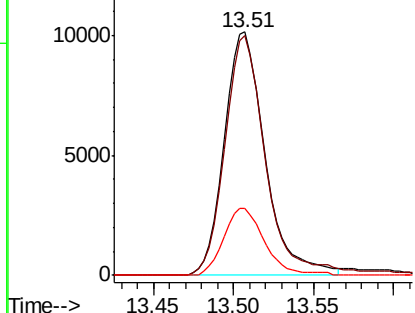
#68
 1,2,4-trichlorobenzene
 Concen: 12.133 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU026744.D
 Acq: 13 Sep 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 C08R8

Tgt Ion:180 Resp: 17678
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.0 114.0
 145 27.0 23.4 35.0

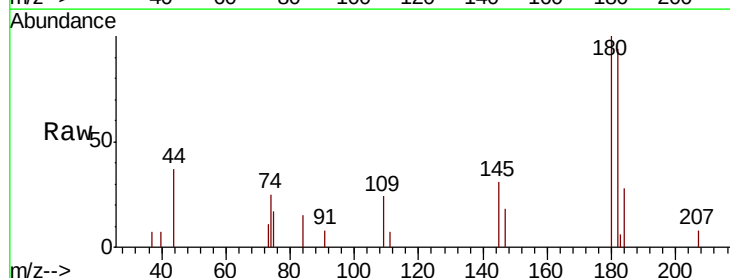


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.802 ug/L
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU026744.D
 Acq: 13 Sep 2018 22:32

Tgt Ion:180 Resp: 2844
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.7 115.1
 145 27.1 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

