

Data File : VU033235.D
Acq On : 12 Jul 2019 20:27
Operator : JC/SP
Sample : K3787-05 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0C93

Quant Time: Jul 13 00:13:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	312520	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	307449	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	147729	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	115880	48.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.96%
7) Chloroethane-d5	1.67	69	104290	51.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.26	63	157897	36.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.60%
21) 2-Butanone-d5	4.15	46	141260	94.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.24%
24) Chloroform-d	4.62	84	191246	48.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.48%
26) 1,2-Dichloroethane-d4	5.28	65	131339	51.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.30%
32) Benzene-d6	5.32	84	403569	53.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.02%
36) 1,2-Dichloropropane-d6	6.31	67	130198	53.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.78%
41) Toluene-d8	7.55	98	358978	50.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.94%
43) trans-1,3-Dichloropropene-	7.83	79	59314	50.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.14%
47) 2-Hexanone-d5	8.29	63	120402	110.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.54%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	188080	51.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.86%
64) 1,2-Dichlorobenzene-d4	11.85	152	145776	55.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.66%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1368	0.642	ug/L #	21
12) 1,1-Dichloroethene	2.25	96	1163	0.558	ug/L #	1
13) Acetone	2.31	43	900	0.481	ug/L	61
25) Chloroform	4.65	83	17007	3.859	ug/L	97
27) 1,2-Dichloroethane	5.37	62	4213	1.234	ug/L #	76
31) Carbon tetrachloride	5.11	117	1891	0.602	ug/L #	59
33) Benzene	5.36	78	479984	53.534	ug/L	100
37) 1,2-Dichloropropane	6.31	63	14479	5.955	ug/L #	89
39) cis-1,3-Dichloropropene	7.21	75	3571	0.958	ug/L #	73
44) trans-1,3-Dichloropropene	7.83	75	2749	0.818	ug/L	88
51) Chlorobenzene	9.10	112	1429590	226.583	ug/L	100
59) 1,2,3-Trichloropropane	11.40	75	18904	5.972	ug/L #	43
62) 1,3-Dichlorobenzene	11.40	146	62065	13.648	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	586790	123.412	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	743630	159.448	ug/L	99
67) 1,3,5-Trichlorobenzene	13.49	180	99013	30.128	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	99013	34.492	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071219\
Quantitation Report (Not Reviewed)

Data File : VU033235.D
Acq On : 12 Jul 2019 20:27
Operator : JC/SP
Sample : K3787-05 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0C93

Quant Time: Jul 13 00:13:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.98	180	27001	8.664	ug/L	99

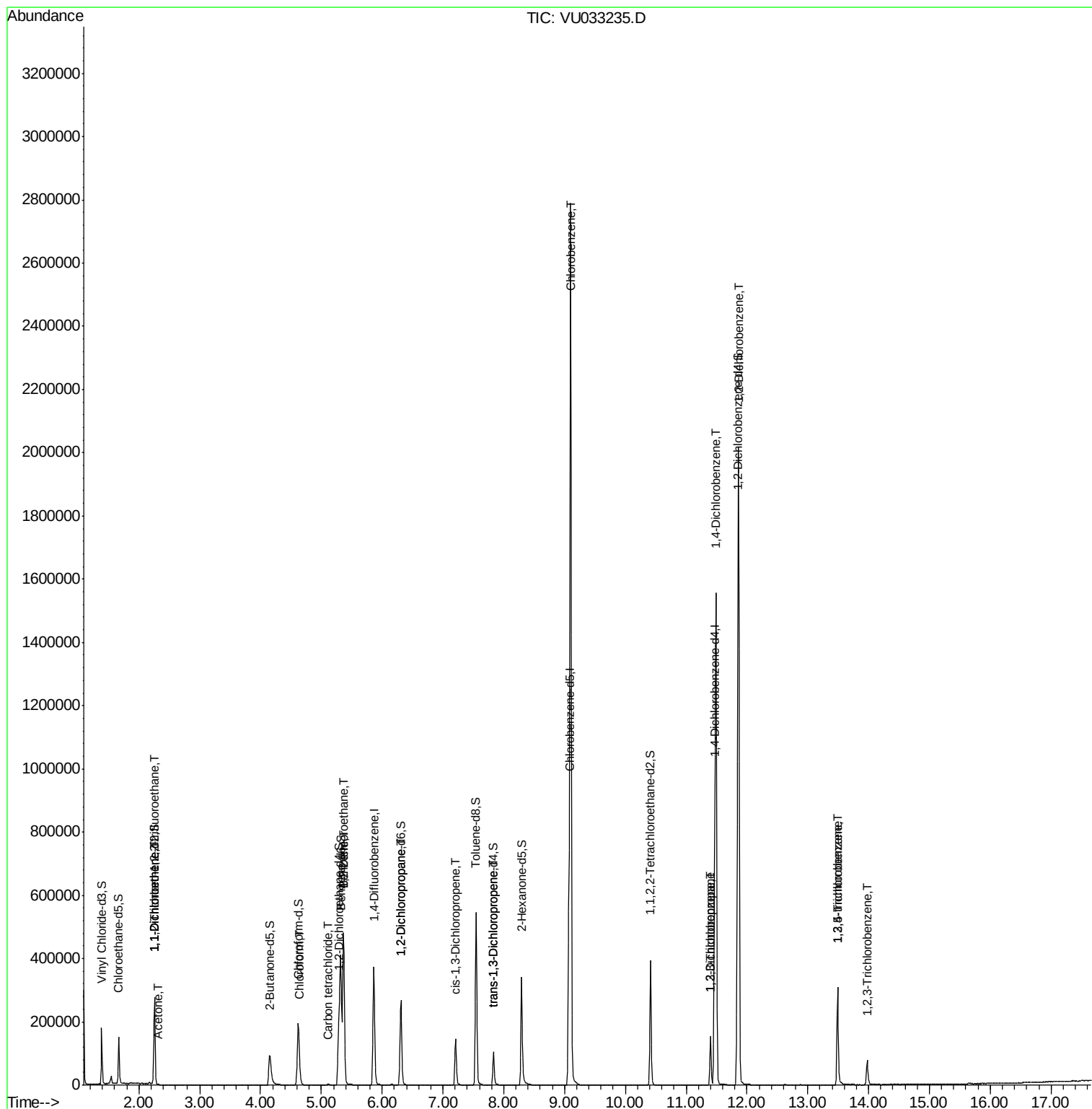
(#) = qualifier out of range (m) = manual integration (+) = signals summed

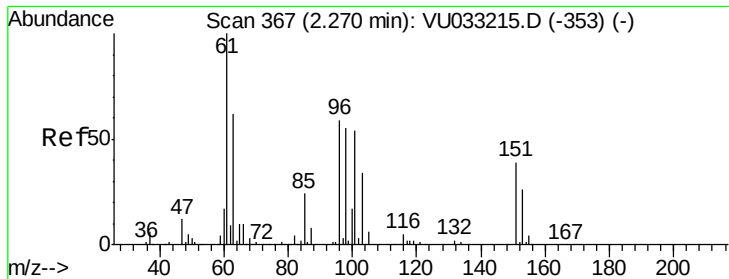
Data File : VU033235.D

```
Acq On       : 12 Jul 2019   20:27
Operator     : JC/SP
Sample       : K3787-05 100X
Misc         : 5.0mL/MSVOA_U/WATER
ALS Vial     : 29   Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
C0C93

Quant Time: Jul 13 00:13:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration





#10

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

Concen: 0.642 ug/L

RT: 2.25 min Scan# 361

Delta R.T. -0.02 min

Lab File: VU033235.D

Acq: 12 Jul 2019 20:27

Instrument :

MSVOA_U

ClientSampleId :

C0C93

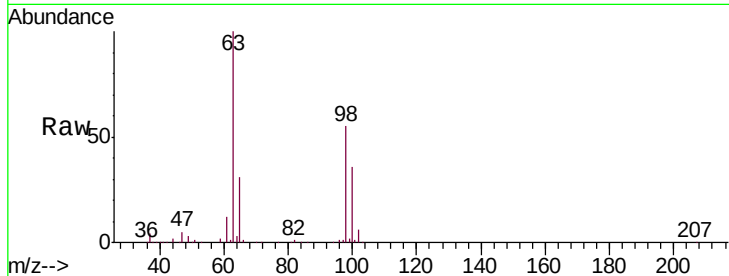
Tgt Ion: 101 Resp: 1368

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

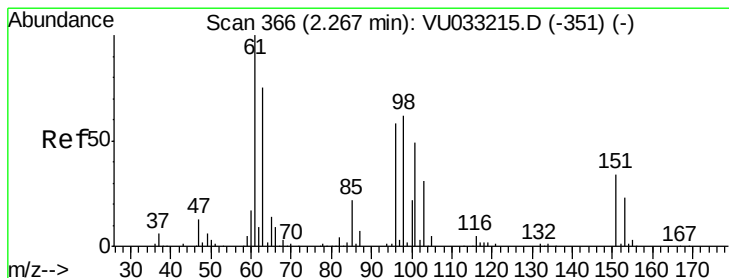
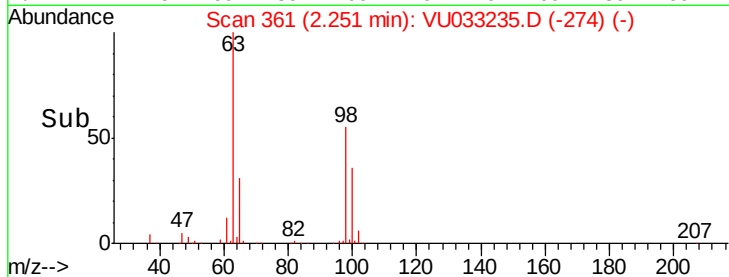
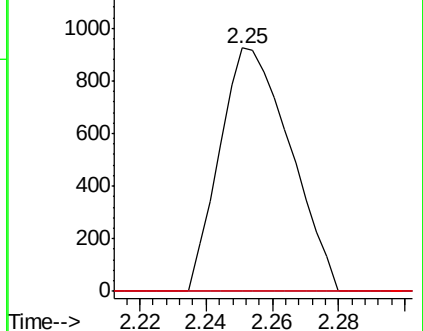
151 0.0 56.7 85.1#



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: 0.558 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.01 min

Lab File: VU033235.D

Acq: 12 Jul 2019 20:27

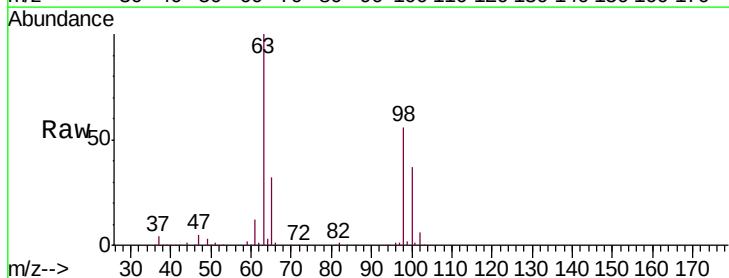
Tgt Ion: 96 Resp: 1163

Ion Ratio Lower Upper

96 100

61 1575.2 126.1 234.1#

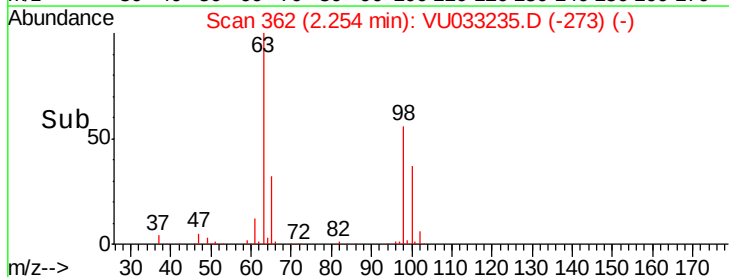
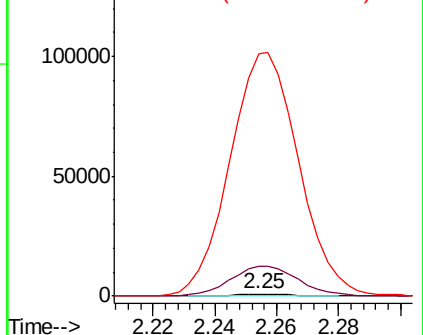
63 12734.5 96.8 179.8#

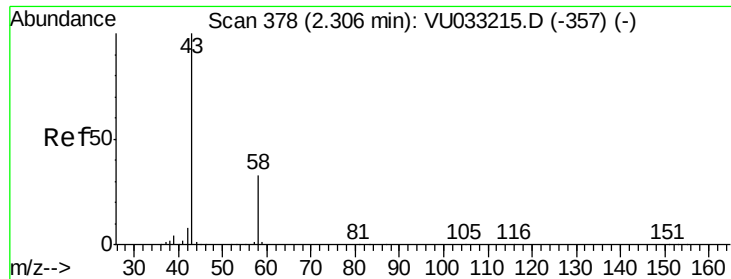


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.481 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033235.D

Acq: 12 Jul 2019 20:27

Instrument :

MSVOA_U

ClientSampleId :

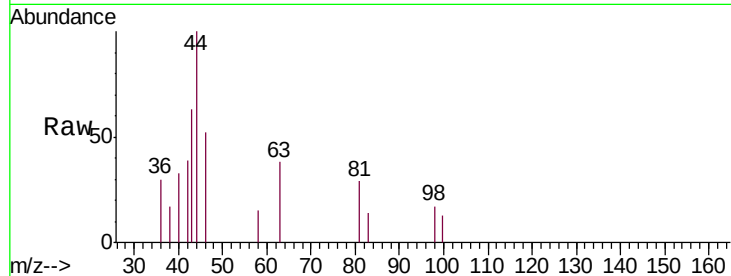
C0C93

Tgt Ion: 43 Resp: 900

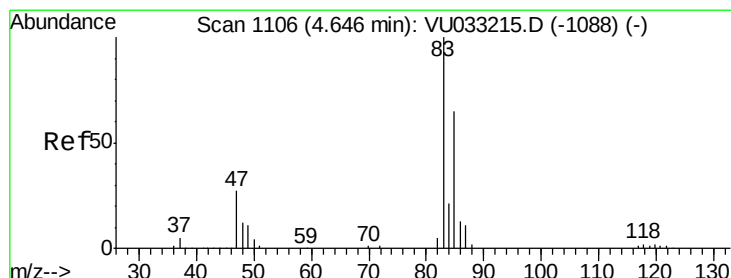
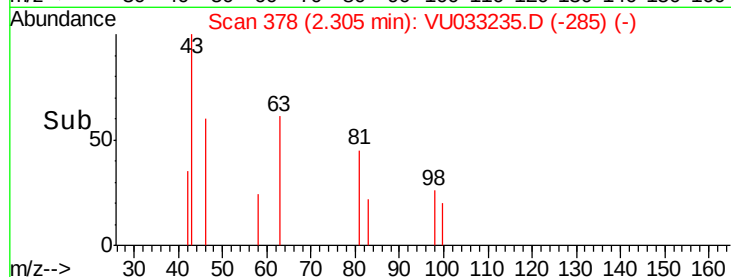
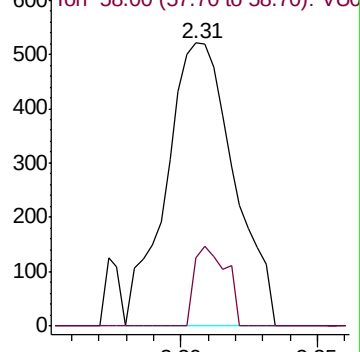
Ion Ratio Lower Upper

43 100

58 10.8 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033235.D (-357) (-)



#25

Chloroform

Concen: 3.859 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033235.D

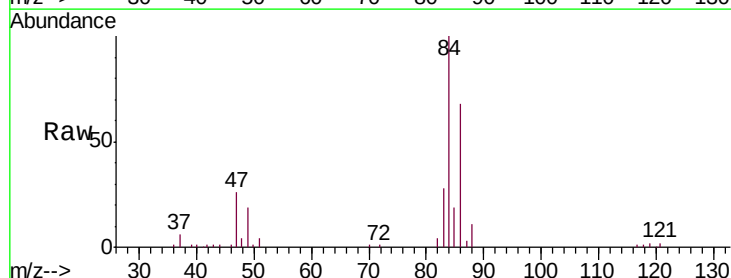
Acq: 12 Jul 2019 20:27

Tgt Ion: 83 Resp: 17007

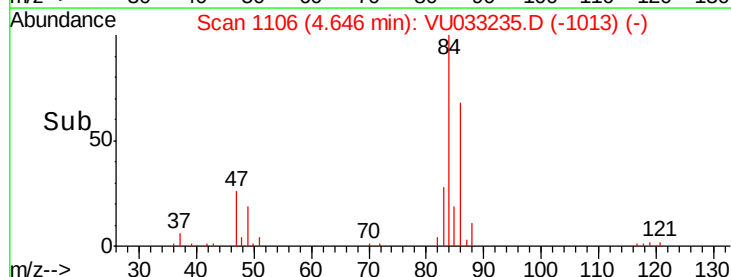
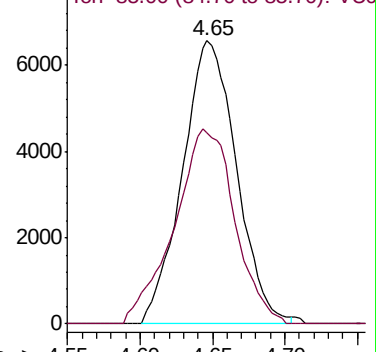
Ion Ratio Lower Upper

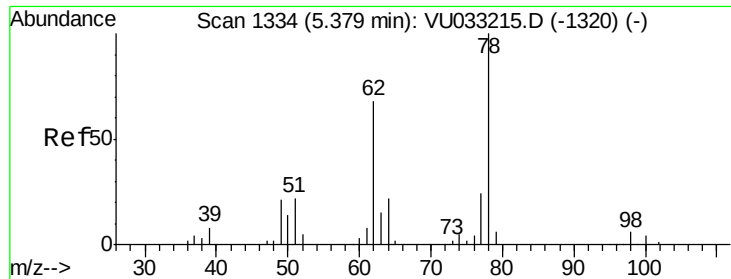
83 100

85 67.6 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU033235.D (-1088) (-)

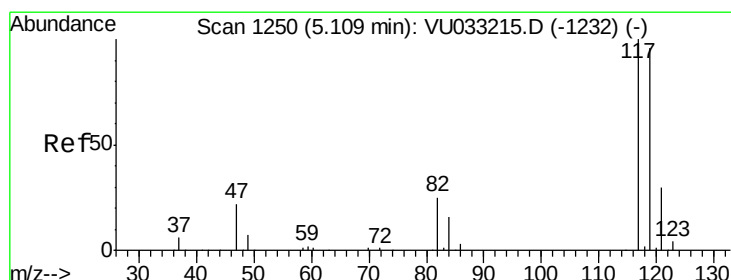
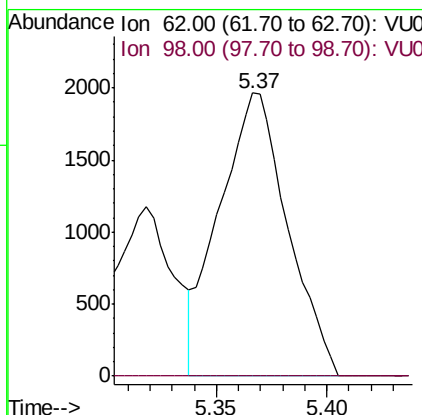
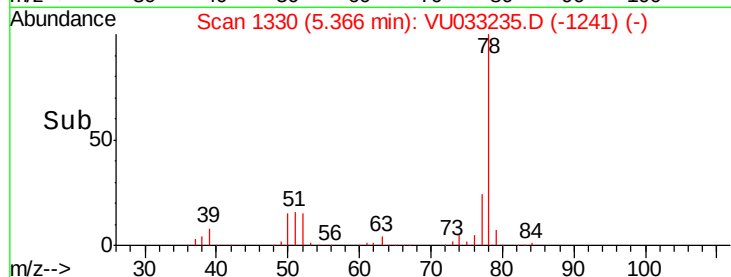
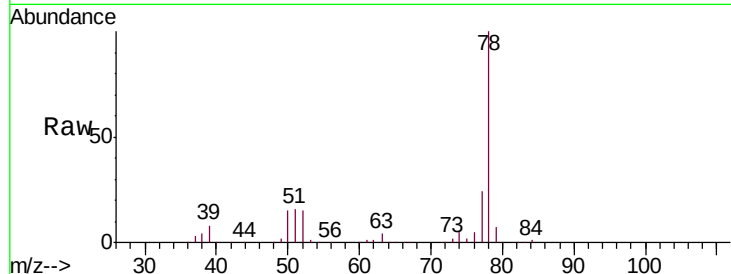




#27
 1,2-Dichloroethane
 Concen: 1.234 ug/L
 RT: 5.37 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VU033235.D
 Acq: 12 Jul 2019 20:27

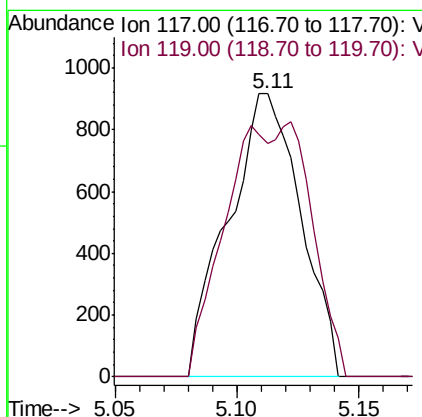
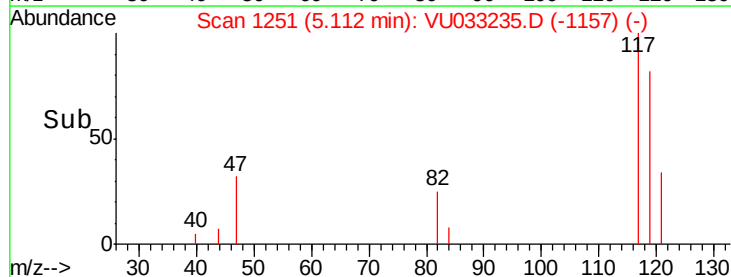
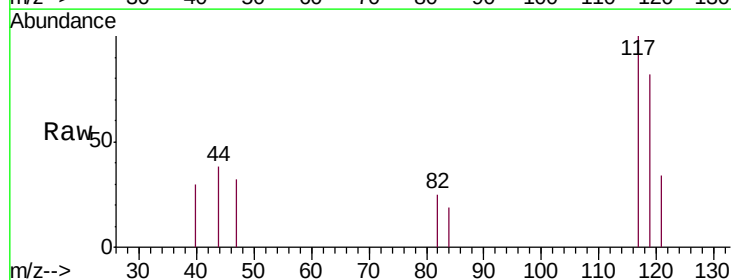
Instrument :
 MSVOA_U
 ClientSampleId :
 C0C93

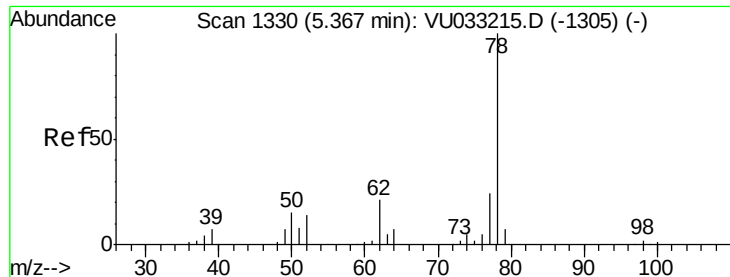
Tgt Ion: 62 Resp: 4213
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.6#



#31
 Carbon tetrachloride
 Concen: 0.602 ug/L
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU033235.D
 Acq: 12 Jul 2019 20:27

Tgt Ion: 117 Resp: 1891
 Ion Ratio Lower Upper
 117 100
 119 56.1 76.9 115.3#





#33

Benzene

Concen: 53.534 ug/L

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033235.D

Acq: 12 Jul 2019 20:27

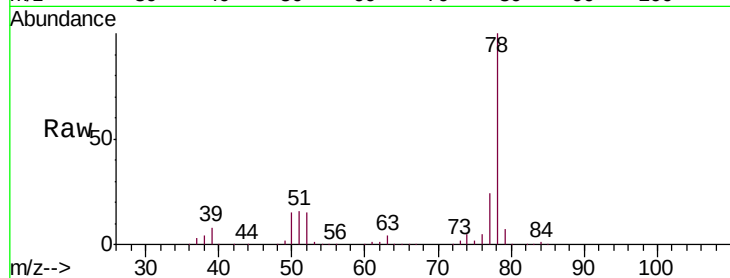
Instrument :

MSVOA_U

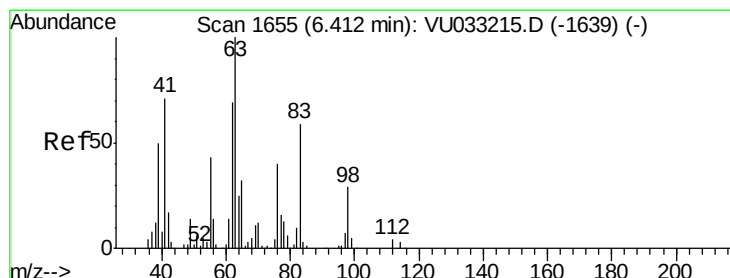
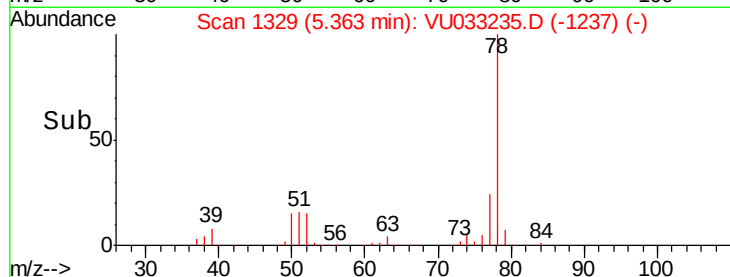
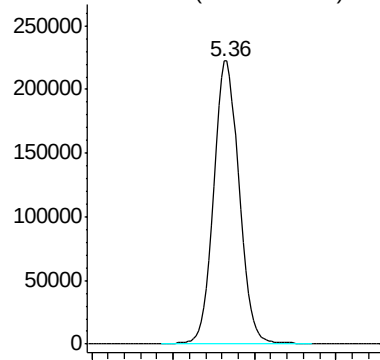
ClientSampleId :

C0C93

Tgt Ion: 78 Resp: 479984



Abundance Ion 78.00 (77.70 to 78.70): VU0



#37

1,2-Dichloropropane

Concen: 5.955 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033235.D

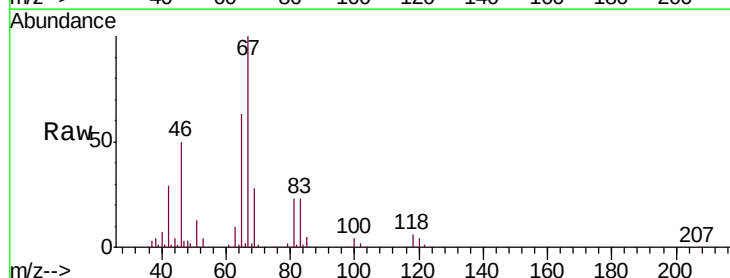
Acq: 12 Jul 2019 20:27

Tgt Ion: 63 Resp: 14479

Ion Ratio Lower Upper

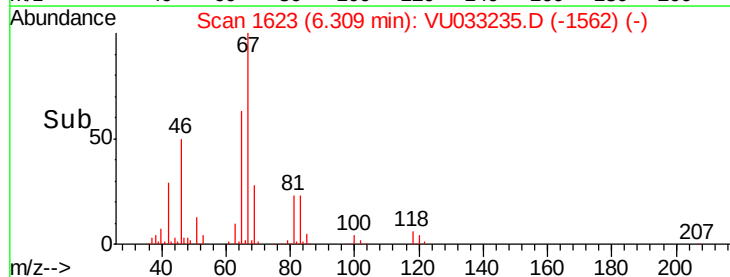
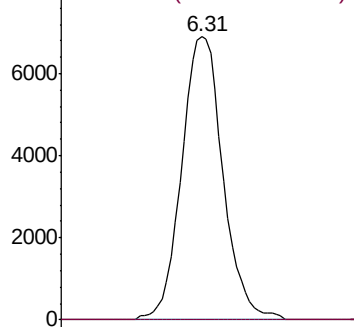
63 100

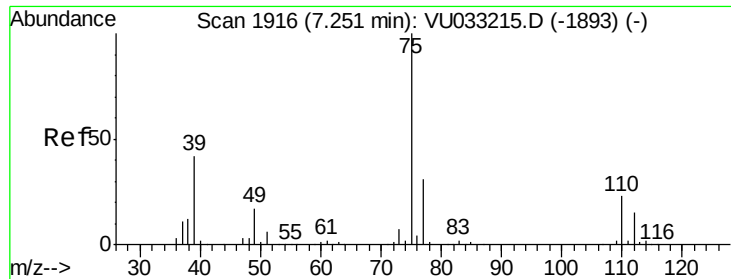
112 0.3 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

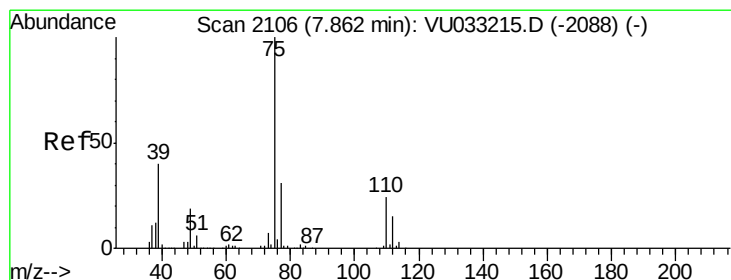
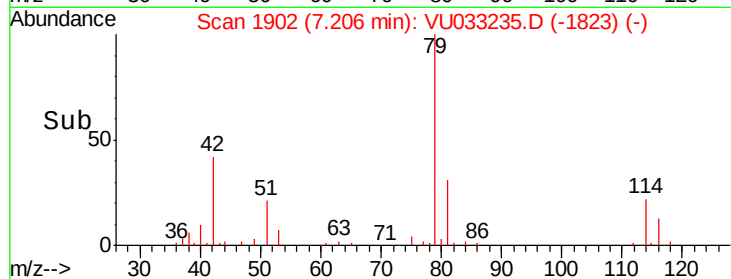
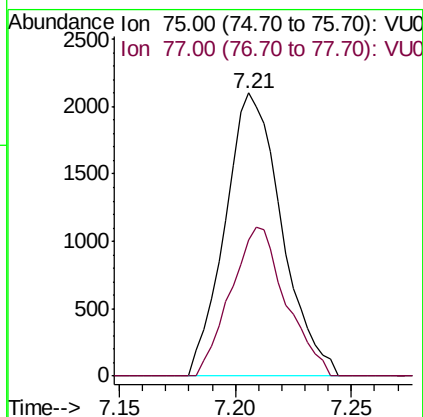
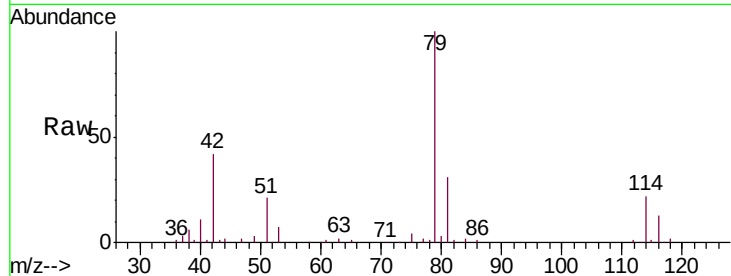




#39
 cis-1,3-Dichloropropene
 Concen: 0.958 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.05 min
 Lab File: VU033235.D
 Acq: 12 Jul 2019 20:27

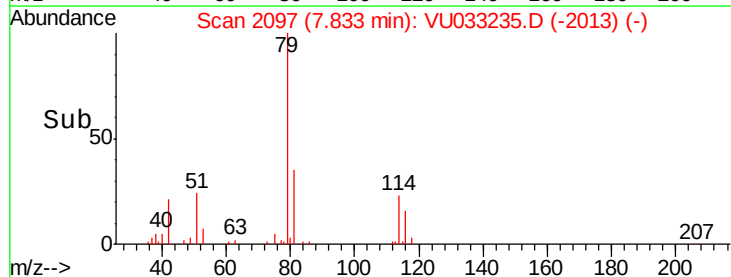
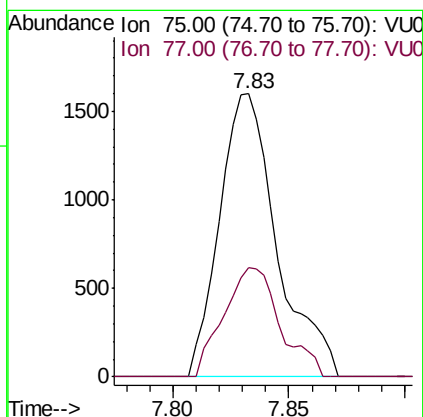
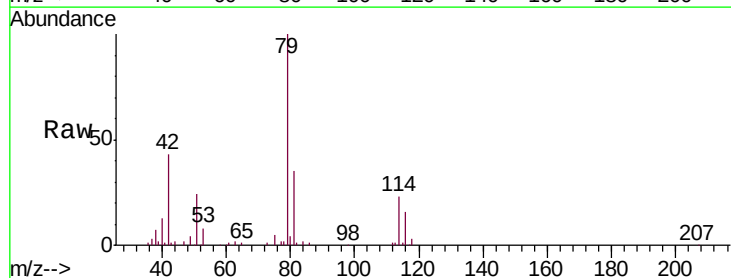
Instrument :
 MSVOA_U
 ClientSampleId :
 C0C93

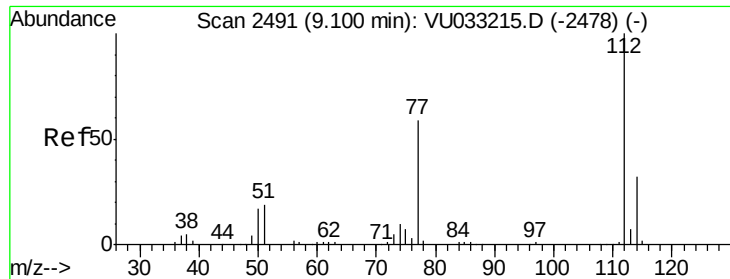
Tgt Ion: 75 Resp: 3571
 Ion Ratio Lower Upper
 75 100
 77 48.1 23.1 42.9#



#44
 trans-1,3-Dichloropropene
 Concen: 0.818 ug/L
 RT: 7.83 min Scan# 2097
 Delta R.T. -0.03 min
 Lab File: VU033235.D
 Acq: 12 Jul 2019 20:27

Tgt Ion: 75 Resp: 2749
 Ion Ratio Lower Upper
 75 100
 77 38.4 22.4 41.6

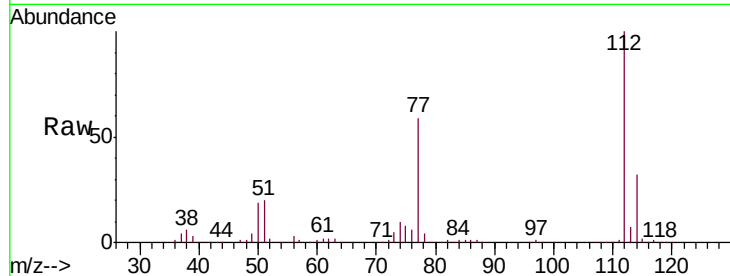




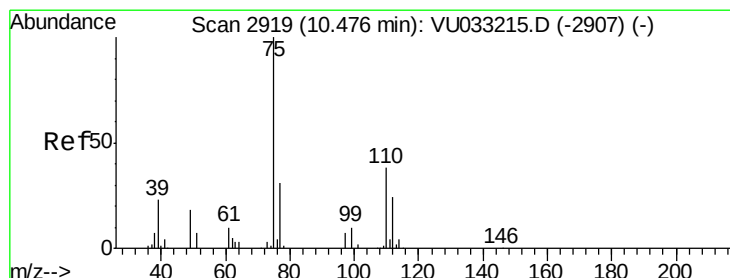
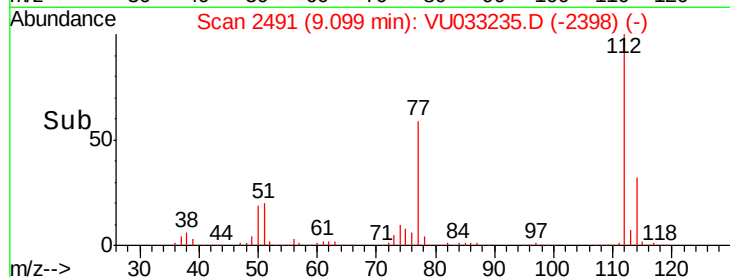
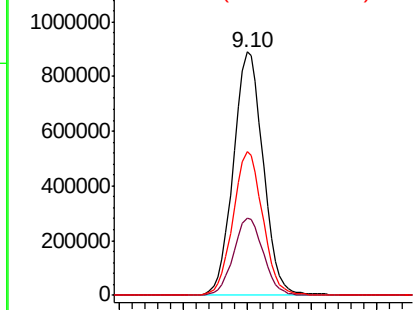
#51
Chlorobenzene
Concen: 226.583 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033235.D
Acq: 12 Jul 2019 20:27

Instrument :
MSVOA_U
ClientSampleId :
C0C93

Tgt Ion: 112 Resp: 1429590
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.3
77 59.1 47.2 70.8

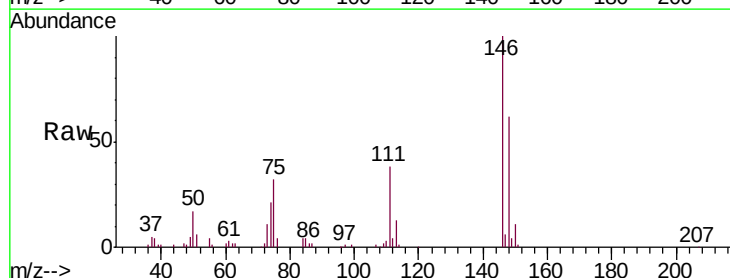


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VU0

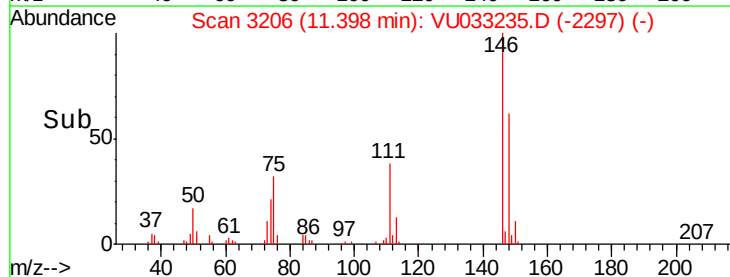
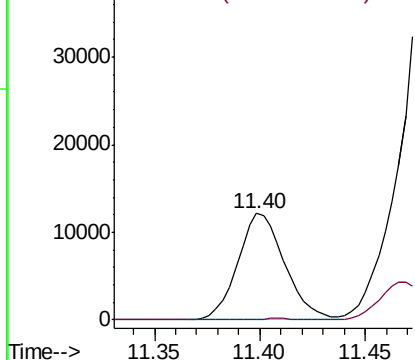


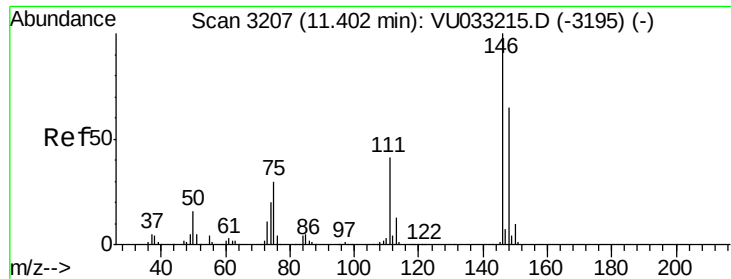
#59
1,2,3-Trichloropropane
Concen: 5.972 ug/L
RT: 11.40 min Scan# 3206
Delta R.T. 0.92 min
Lab File: VU033235.D
Acq: 12 Jul 2019 20:27

Tgt Ion: 75 Resp: 18904
Ion Ratio Lower Upper
75 100
77 0.6 26.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

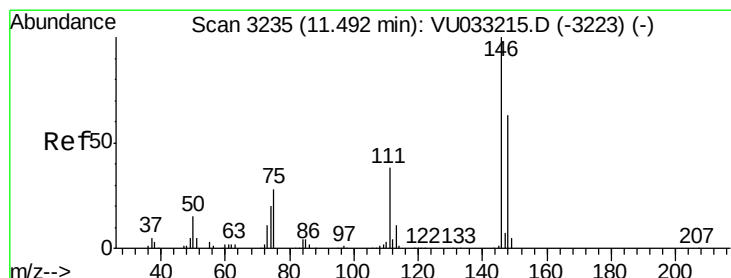
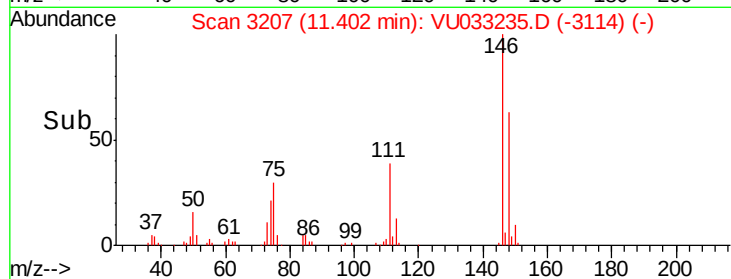
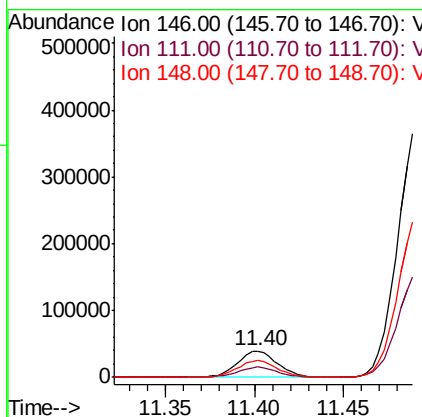
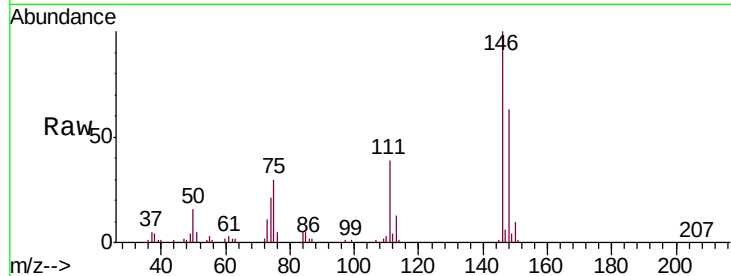




#62
 1,3-Dichlorobenzene
 Concen: 13.648 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033235.D
 Acq: 12 Jul 2019 20:27

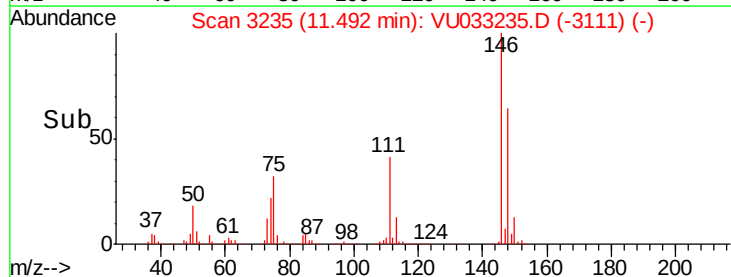
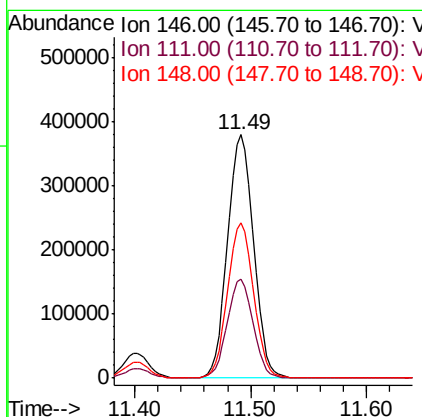
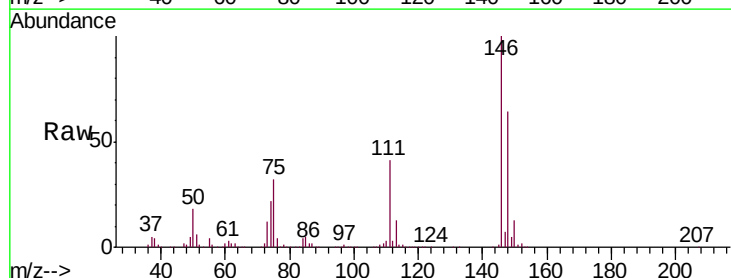
Instrument :
 MSVOA_U
 ClientSampleId :
 C0C93

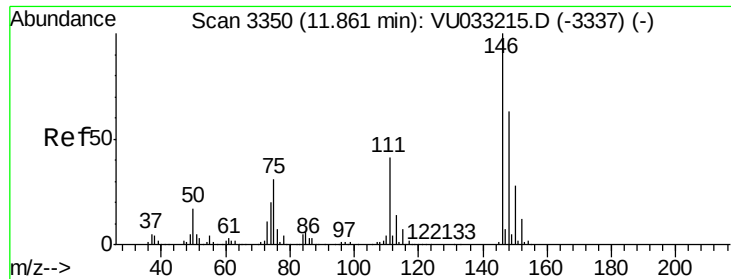
Tgt Ion:146 Resp: 62065
 Ion Ratio Lower Upper
 146 100
 111 39.2 28.0 52.0
 148 63.5 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 123.412 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033235.D
 Acq: 12 Jul 2019 20:27

Tgt Ion:146 Resp: 586790
 Ion Ratio Lower Upper
 146 100
 111 40.8 27.8 51.6
 148 63.9 44.6 82.8





#65

1,2-Dichlorobenzene

Concen: 159.448 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VU033235.D

Acq: 12 Jul 2019 20:27

Instrument :

MSVOA_U

ClientSampleId :

C0C93

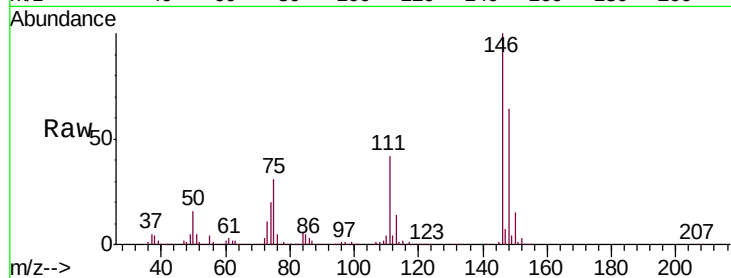
Tgt Ion:146 Resp: 743630

Ion Ratio Lower Upper

146 100

111 41.7 34.3 51.5

148 63.7 51.5 77.3

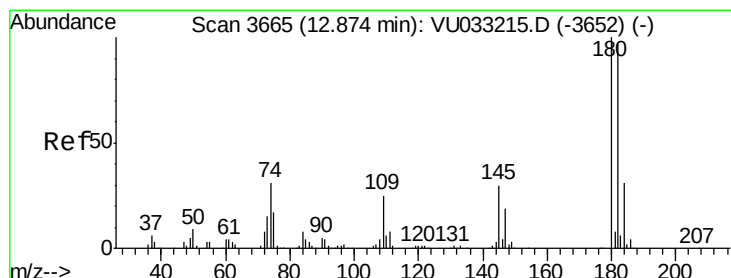
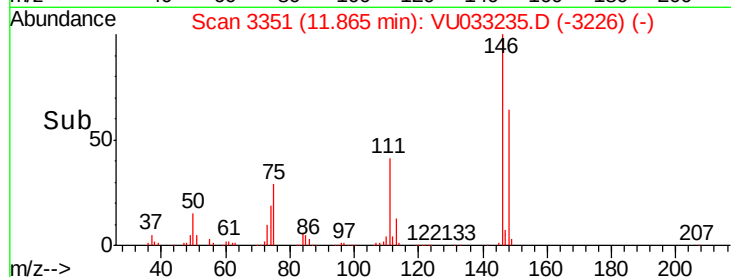
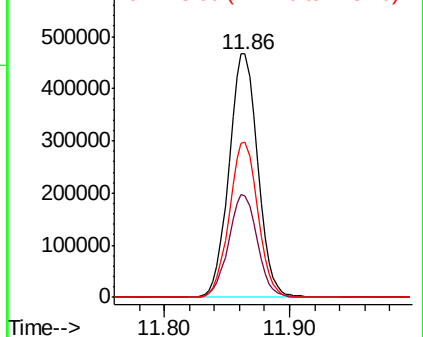


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 30.128 ug/L

RT: 13.49 min Scan# 3857

Delta R.T. 0.62 min

Lab File: VU033235.D

Acq: 12 Jul 2019 20:27

Tgt Ion:180 Resp: 99013

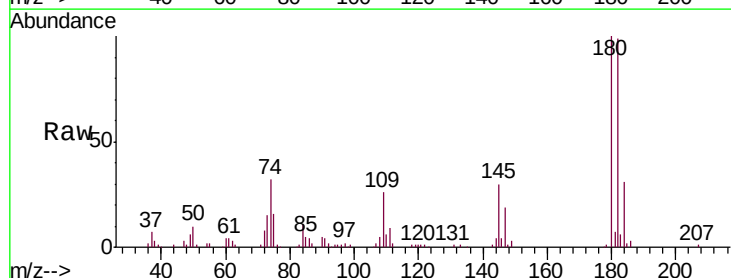
Ion Ratio Lower Upper

180 100

182 94.4 75.5 113.3

184 29.4 24.2 36.2

145 29.7 24.1 36.1



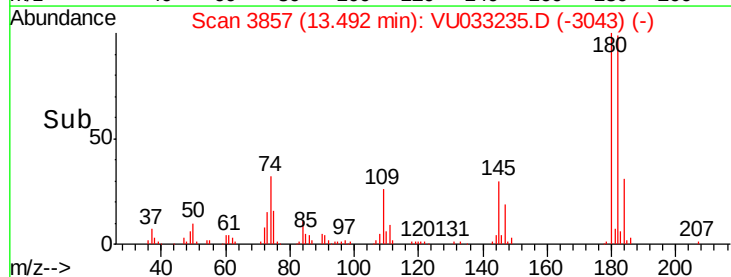
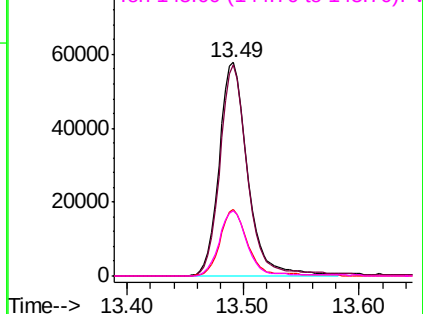
Abundance

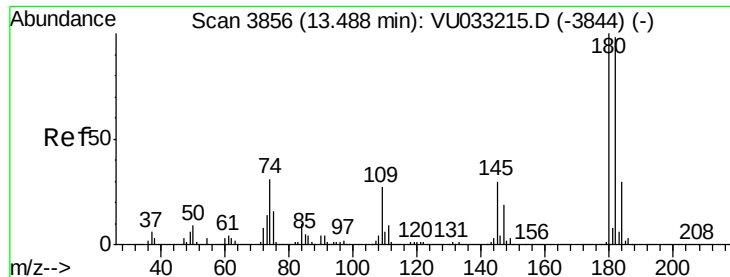
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

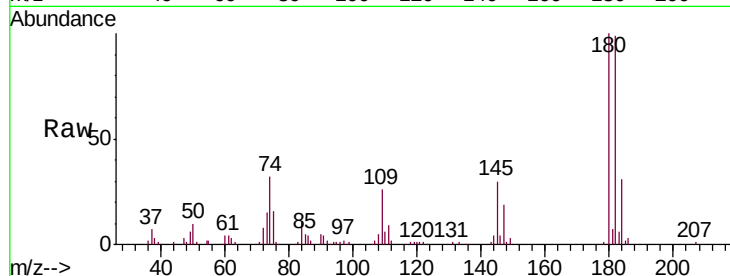




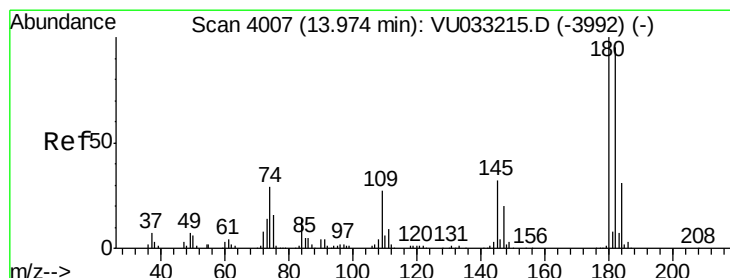
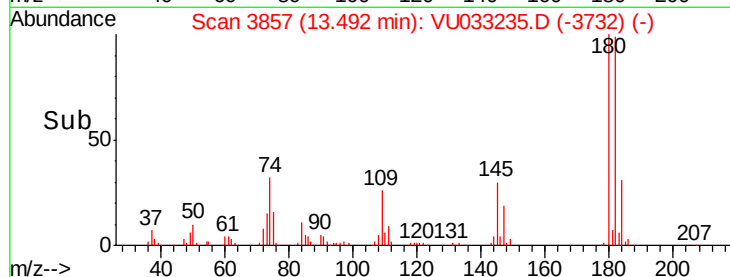
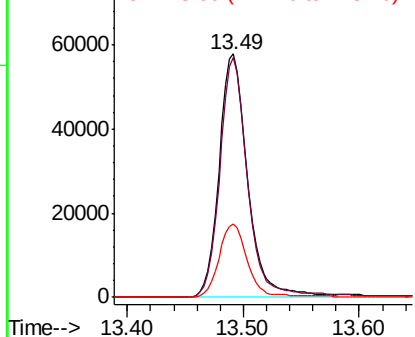
#68
 1,2,4-trichlorobenzene
 Concen: 34.492 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033235.D
 Acq: 12 Jul 2019 20:27

Instrument :
 MSVOA_U
 ClientSampleId :
 C0C93

Tgt Ion:180 Resp: 99013
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.5 114.7
 145 29.7 24.6 36.8

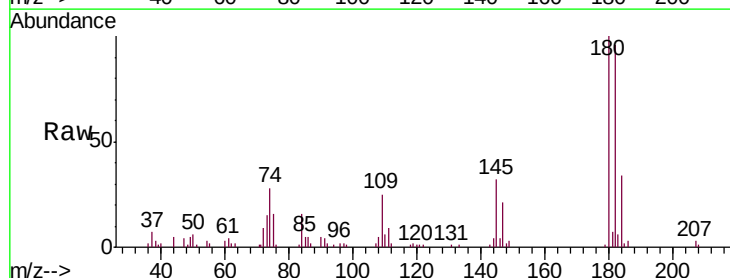


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 8.664 ug/L
 RT: 13.98 min Scan# 4008
 Delta R.T. 0.00 min
 Lab File: VU033235.D
 Acq: 12 Jul 2019 20:27

Tgt Ion:180 Resp: 27001
 Ion Ratio Lower Upper
 180 100
 182 95.4 77.4 116.2
 145 32.4 26.2 39.2



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

