

Data File : VU033226.D
Acq On : 12 Jul 2019 16:59
Operator : JC/SP
Sample : K3760-03MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8X2MS

Quant Time: Jul 13 00:12:39 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	313991	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	311773	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	139615	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	129245	54.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.76%
7) Chloroethane-d5	1.66	69	110322	54.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.66%
11) 1,1-Dichloroethene-d2	2.26	63	223909	51.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.86%
21) 2-Butanone-d5	4.15	46	142510	94.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.62%
24) Chloroform-d	4.62	84	198231	49.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.52%
26) 1,2-Dichloroethane-d4	5.29	65	136753	53.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.06%
32) Benzene-d6	5.31	84	426873	55.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.62%
36) 1,2-Dichloropropane-d6	6.31	67	133564	54.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.04%
41) Toluene-d8	7.55	98	384172	53.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.54%
43) trans-1,3-Dichloropropene-	7.83	79	63811	53.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.22%
47) 2-Hexanone-d5	8.29	63	127367	115.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.32%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	193511	52.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.36%
64) 1,2-Dichlorobenzene-d4	11.85	152	141710	56.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.84%

Target Compounds

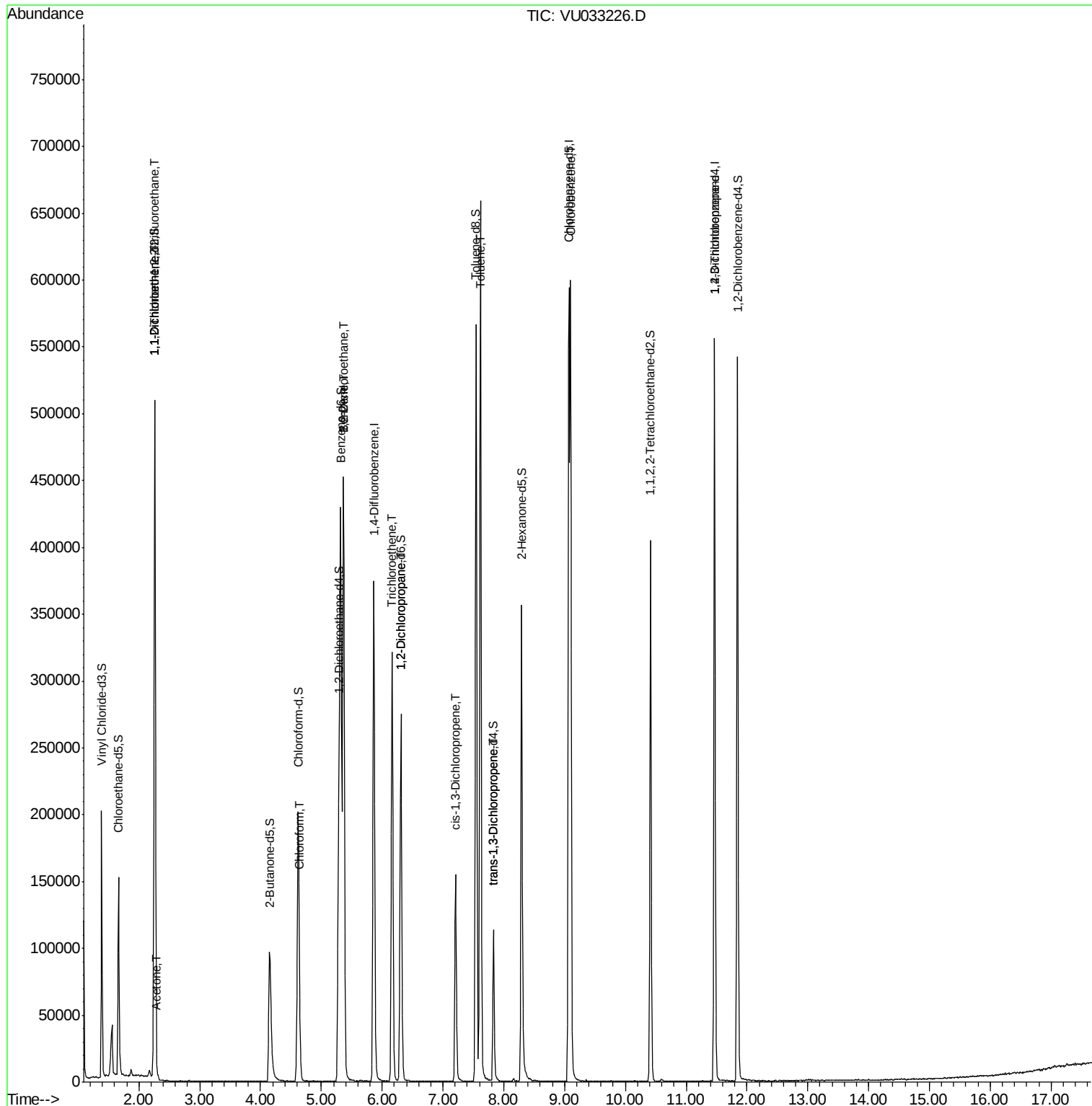
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1875	0.875 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	97237	46.396 ug/L	99
13) Acetone	2.30	43	1016	0.540 ug/L	81
25) Chloroform	4.65	83	8759	1.978 ug/L	89
27) 1,2-Dichloroethane	5.37	62	4418	1.288 ug/L #	76
33) Benzene	5.37	78	448150	49.290 ug/L	100
34) Trichloroethene	6.16	95	111729	46.988 ug/L	100
37) 1,2-Dichloropropane	6.31	63	14610	5.925 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	3992	1.056 ug/L #	49
42) Toluene	7.62	91	484014	49.377 ug/L	99
44) trans-1,3-Dichloropropene	7.83	75	3137	0.920 ug/L	87
51) Chlorobenzene	9.10	112	308236	48.176 ug/L	100
59) 1,2,3-Trichloropropane	11.47	75	17697	5.513 ug/L	94

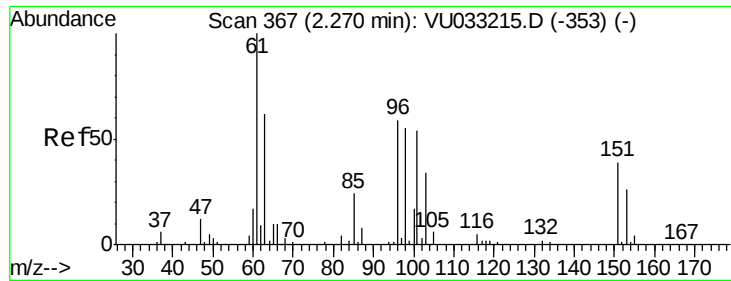
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#10

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

Concen: 0.875 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033226.D

Acq: 12 Jul 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

DB8X2MS

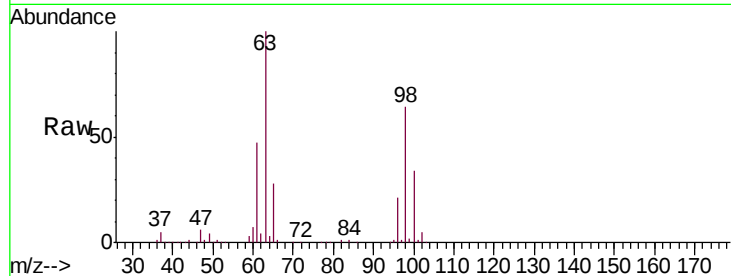
Tgt Ion: 101 Resp: 1875

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

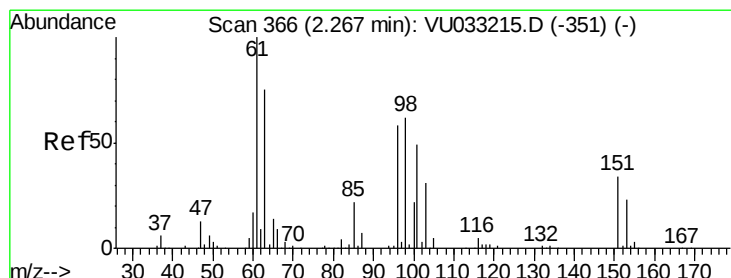
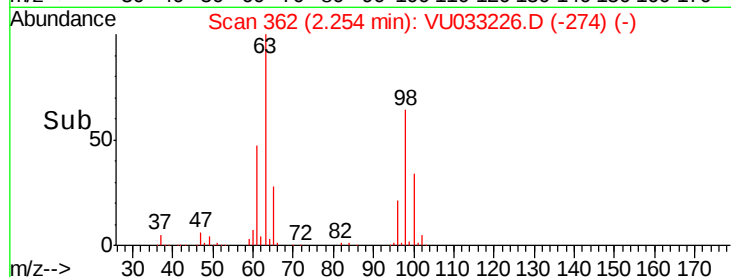
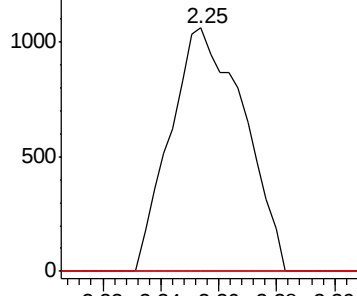
151 0.0 56.7 85.1#



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: 46.396 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033226.D

Acq: 12 Jul 2019 16:59

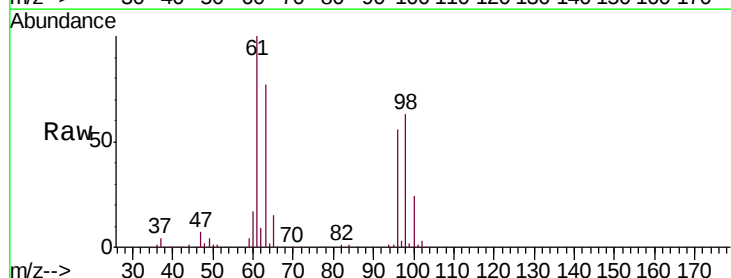
Tgt Ion: 96 Resp: 97237

Ion Ratio Lower Upper

96 100

61 178.9 126.1 234.1

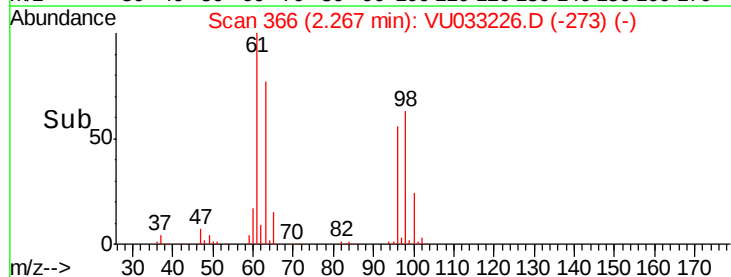
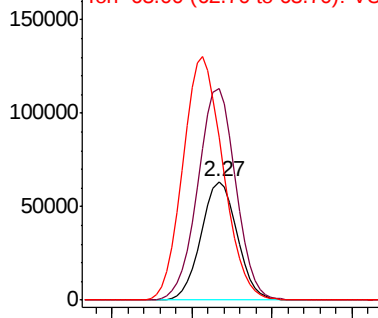
63 138.1 96.8 179.8

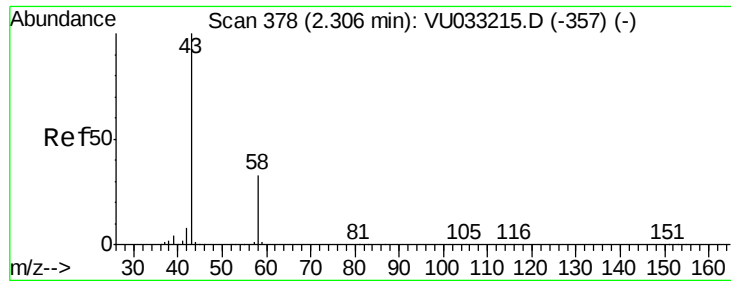


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.540 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VU033226.D

Acq: 12 Jul 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

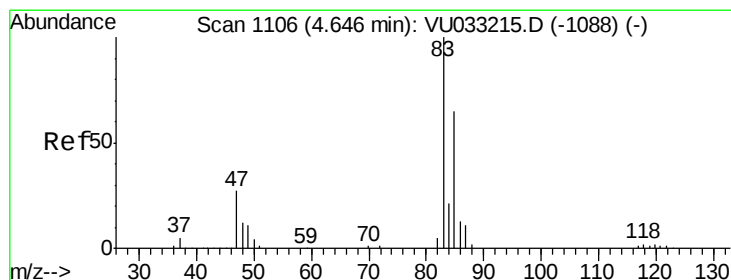
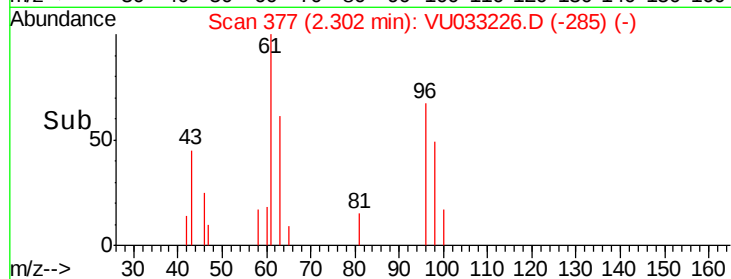
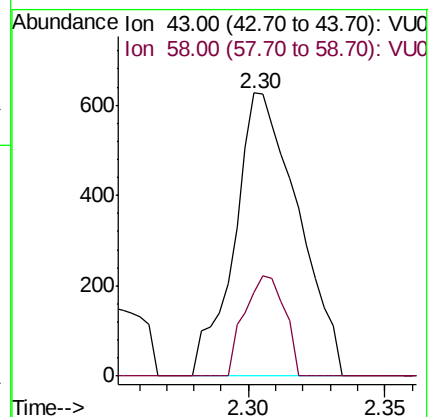
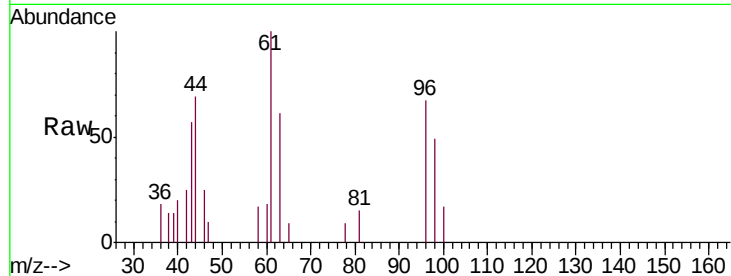
DB8X2MS

Tgt Ion: 43 Resp: 1016

Ion Ratio Lower Upper

43 100

58 22.1 0.0 65.4



#25

Chloroform

Concen: 1.978 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033226.D

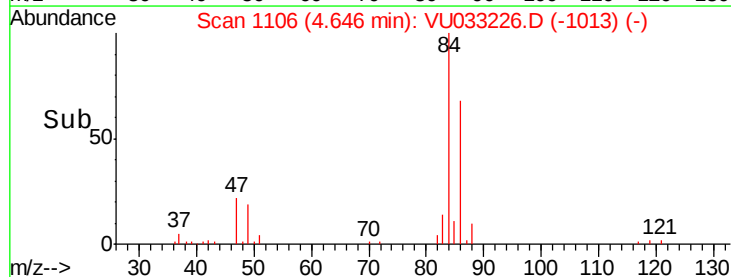
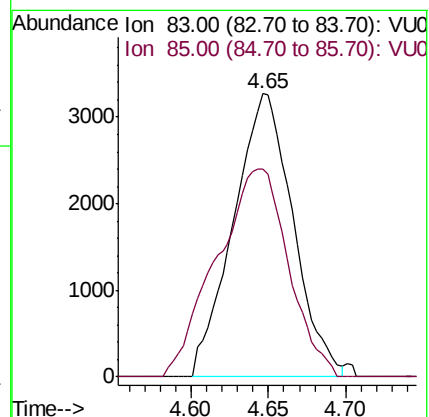
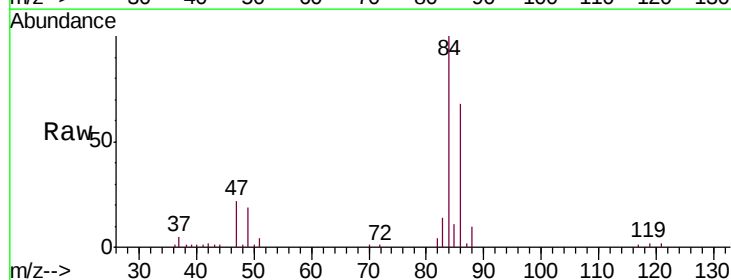
Acq: 12 Jul 2019 16:59

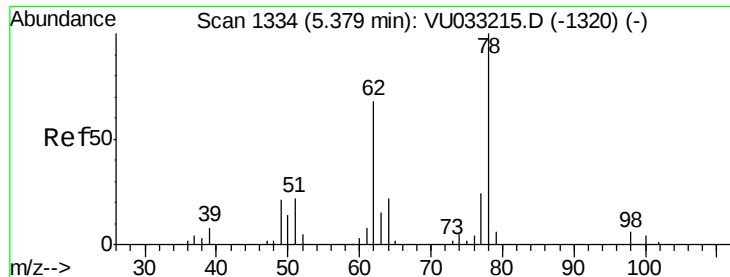
Tgt Ion: 83 Resp: 8759

Ion Ratio Lower Upper

83 100

85 73.6 45.4 84.4

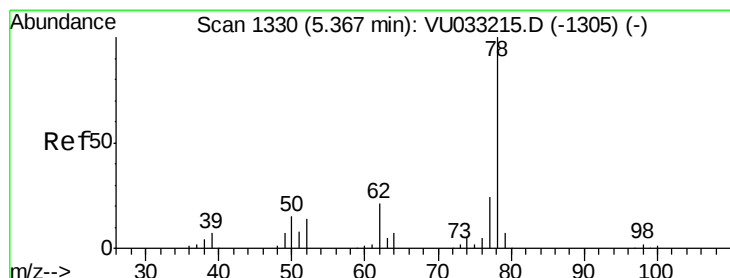
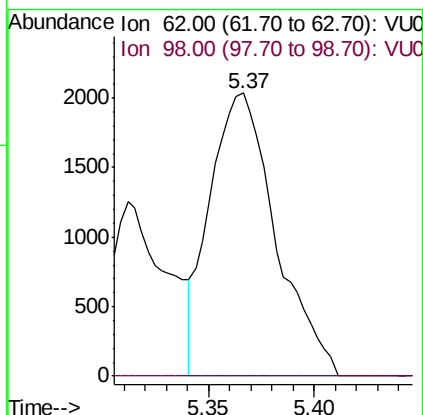
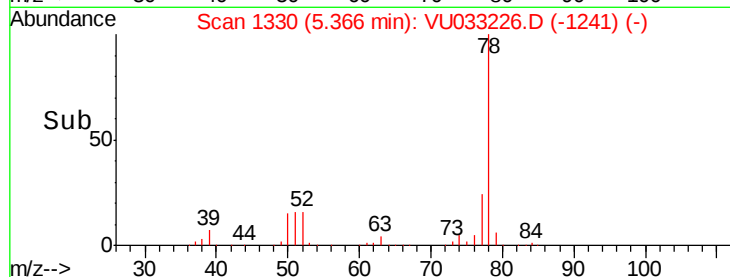
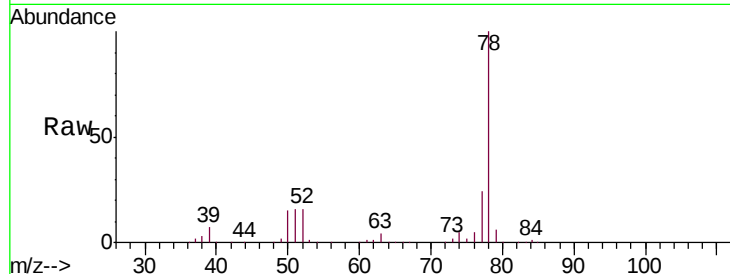




#27
 1,2-Dichloroethane
 Concen: 1.288 ug/L
 RT: 5.37 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VU033226.D
 Acq: 12 Jul 2019 16:59

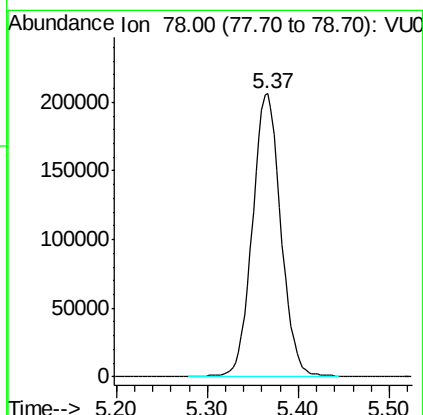
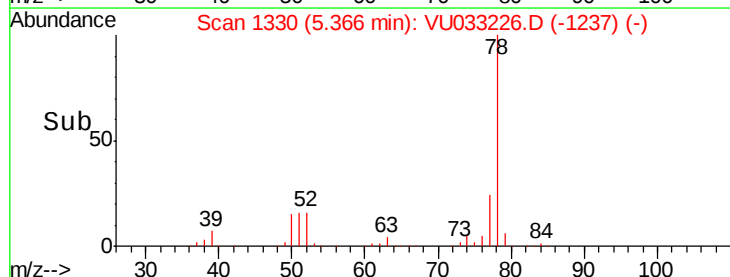
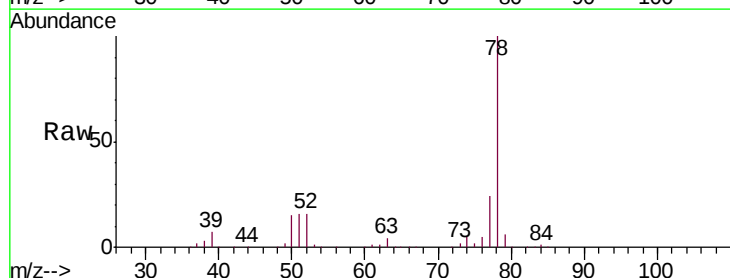
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8X2MS

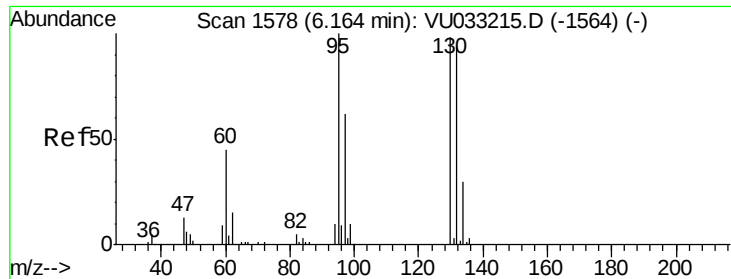
Tgt Ion: 62 Resp: 4418
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.6#



#33
 Benzene
 Concen: 49.290 ug/L
 RT: 5.37 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VU033226.D
 Acq: 12 Jul 2019 16:59

Tgt Ion: 78 Resp: 448150





#34

Trichloroethene

Concen: 46.988 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033226.D

Acq: 12 Jul 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

DB8X2MS

Tgt Ion: 95 Resp: 111729

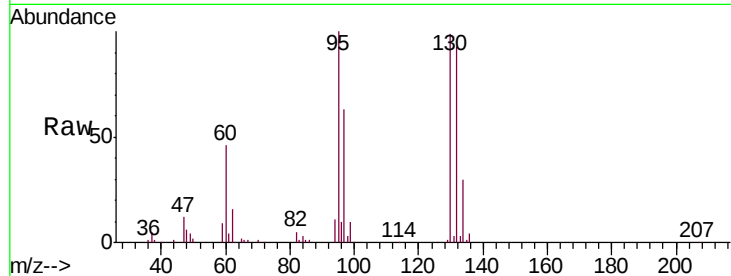
Ion Ratio Lower Upper

95 100

97 62.6 43.8 81.4

132 93.2 65.5 121.6

130 99.2 69.7 129.5

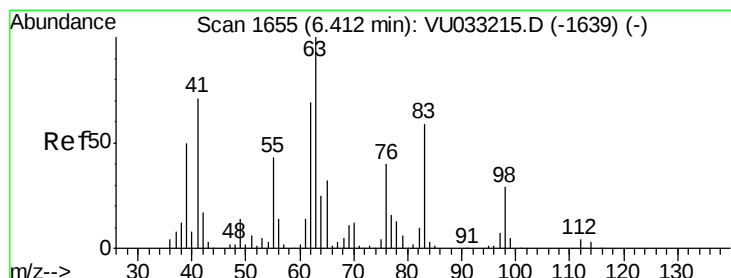
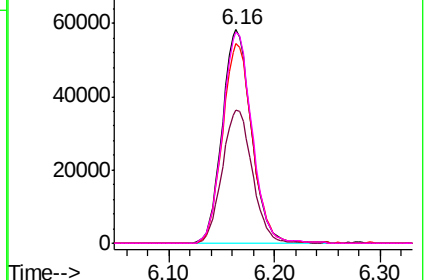
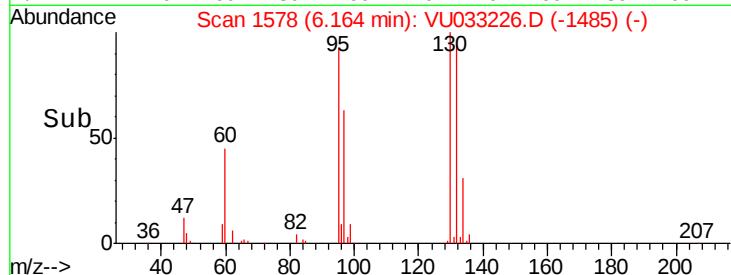


Abundance Ion 95.00 (94.70 to 95.70): VU033226.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VU033226.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VU033226.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VU033226.D (-1485) (-)



#37

1,2-Dichloropropane

Concen: 5.925 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033226.D

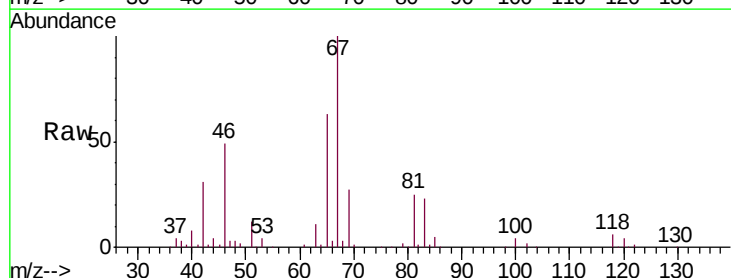
Acq: 12 Jul 2019 16:59

Tgt Ion: 63 Resp: 14610

Ion Ratio Lower Upper

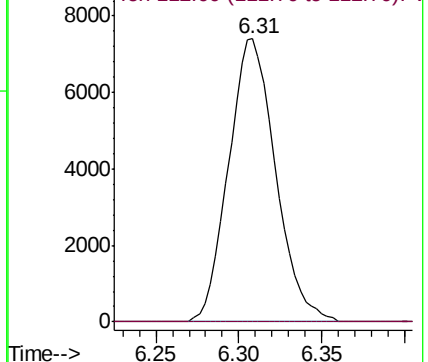
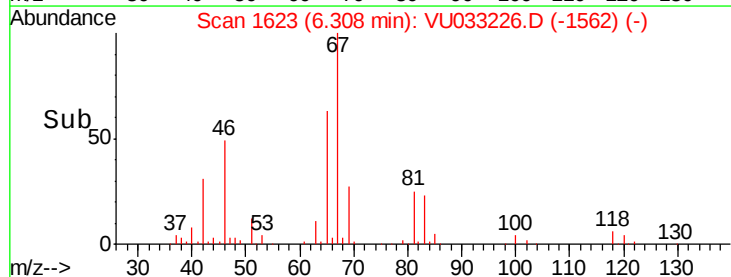
63 100

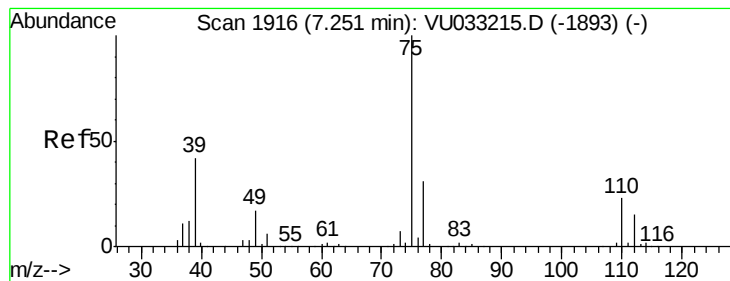
112 0.0 3.2 4.8#



Abundance Ion 63.00 (62.70 to 63.70): VU033226.D (-1562) (-)

Ion 112.00 (111.70 to 112.70): VU033226.D (-1562) (-)



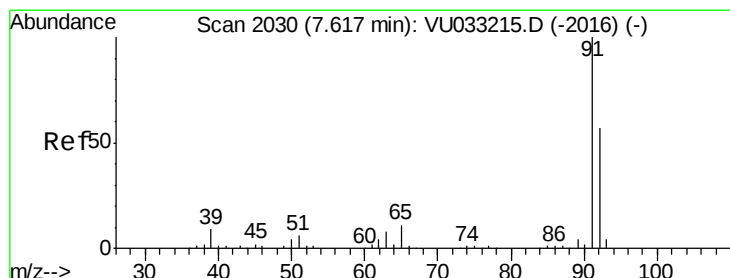
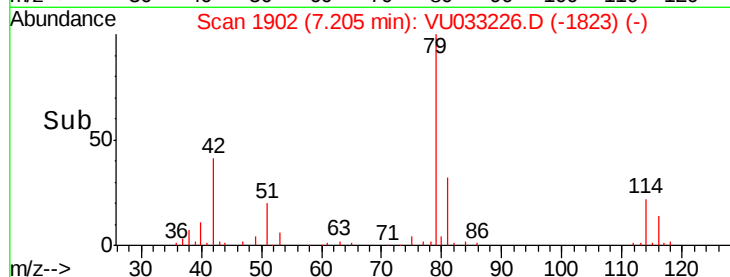
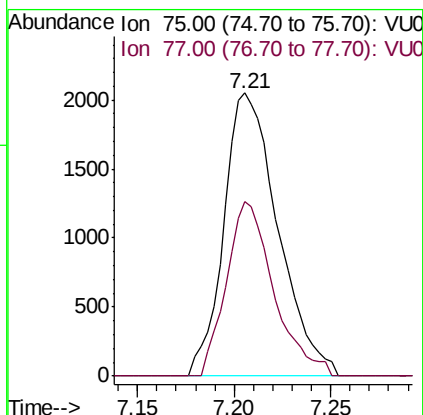
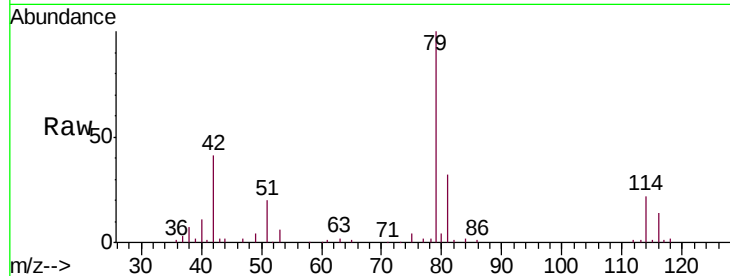


#39

cis-1,3-Dichloropropene
 Concen: 1.056 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.05 min
 Lab File: VU033226.D
 Acq: 12 Jul 2019 16:59

Instrument :
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 ClientSampleId :
 DB8X2MS

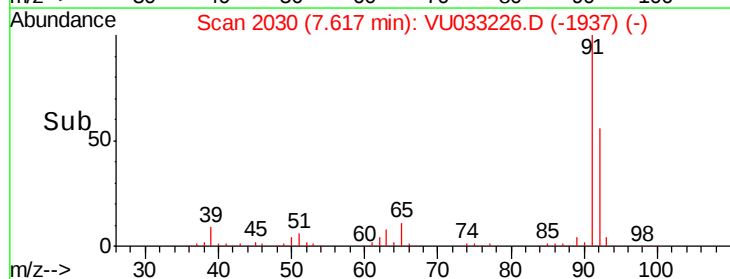
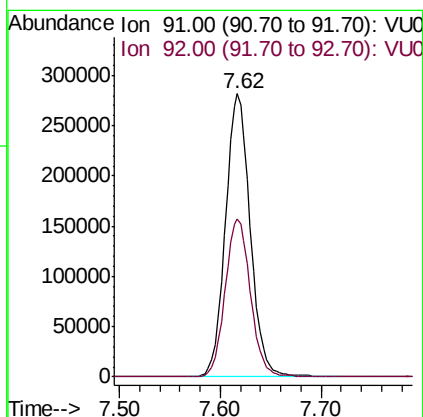
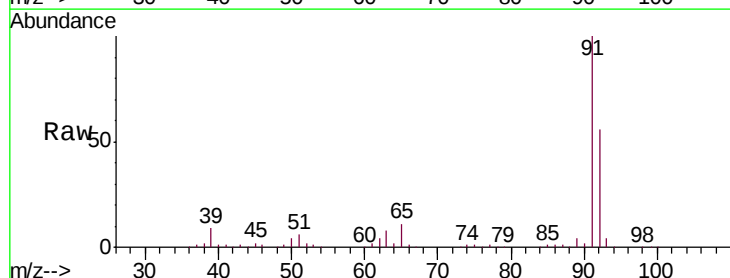
Tgt Ion: 75 Resp: 3992
 Ion Ratio Lower Upper
 75 100
 77 61.7 23.1 42.9#

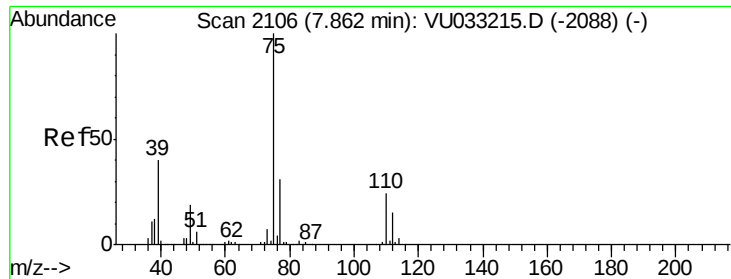


#42

Toluene
 Concen: 49.377 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU033226.D
 Acq: 12 Jul 2019 16:59

Tgt Ion: 91 Resp: 484014
 Ion Ratio Lower Upper
 91 100
 92 55.9 39.8 74.0





#44

trans-1,3-Dichloropropene

Concen: 0.920 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033226.D

Acq: 12 Jul 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

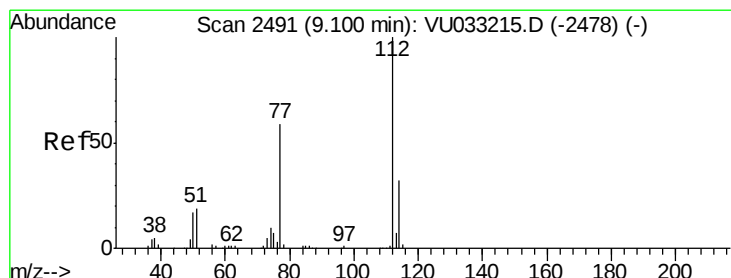
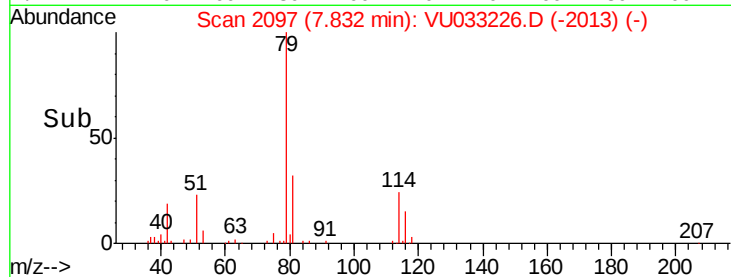
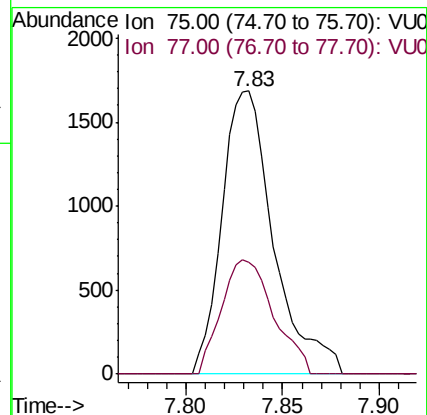
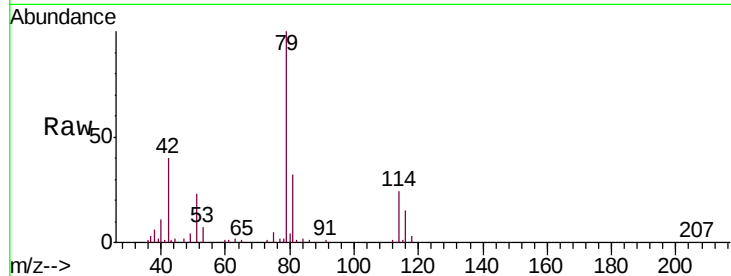
DB8X2MS

Tgt Ion: 75 Resp: 3137

Ion Ratio Lower Upper

75 100

77 39.4 22.4 41.6



#51

Chlorobenzene

Concen: 48.176 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033226.D

Acq: 12 Jul 2019 16:59

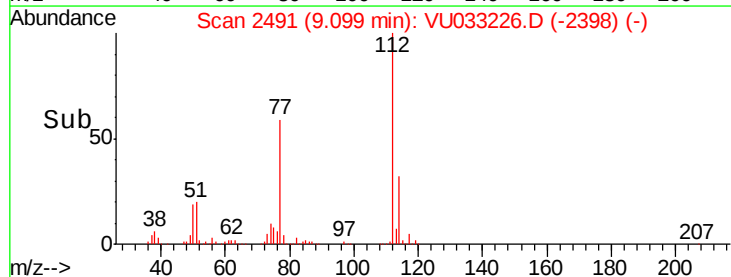
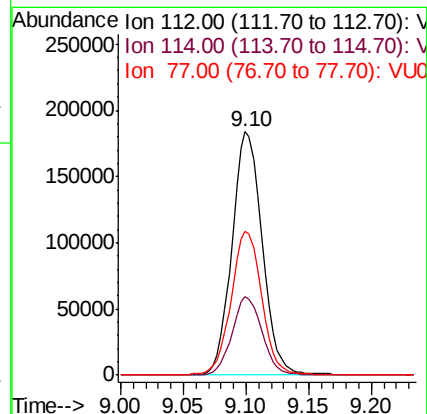
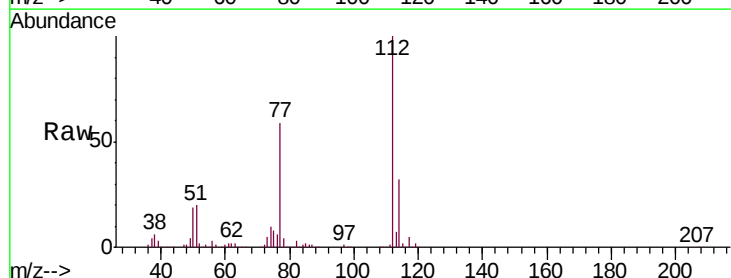
Tgt Ion: 112 Resp: 308236

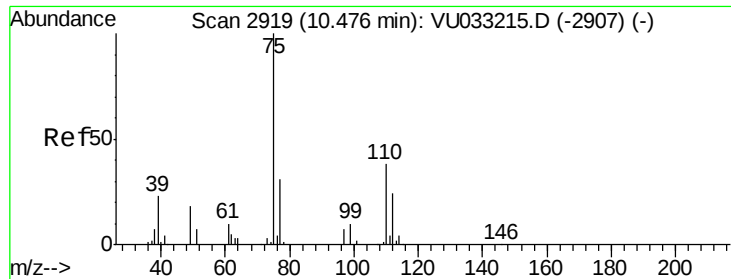
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.3

77 59.2 47.2 70.8





#59

1,2,3-Trichloropropane

Concen: 5.513 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033226.D

Acq: 12 Jul 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

DB8X2MS

Tgt Ion: 75 Resp: 17697

Ion Ratio Lower Upper

75 100

77 35.8 26.0 39.0

