

Data File : VU030451.D
Acq On : 26 Mar 2019 18:18
Operator : JC/SP
Sample : K2022-13 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D0

Quant Time: Mar 27 06:03:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 06:00:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	450750	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	427763	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	177035	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	174346	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.12%
7) Chloroethane-d5	1.67	69	141392	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.34%
11) 1,1-Dichloroethene-d2	2.27	63	246751	35.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.72%
21) 2-Butanone-d5	4.17	46	348120	102.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.09%
24) Chloroform-d	4.64	84	304584	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
26) 1,2-Dichloroethane-d4	5.31	65	209400	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.40%
32) Benzene-d6	5.34	84	610887	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.33	67	221982	52.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.78%
41) Toluene-d8	7.56	98	530156	48.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.24%
43) trans-1,3-Dichloropropene-	7.85	79	93207	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.46%
47) 2-Hexanone-d5	8.31	63	222216	97.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	303218	50.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.98%
64) 1,2-Dichlorobenzene-d4	11.85	152	185768	52.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.74%

Target Compounds

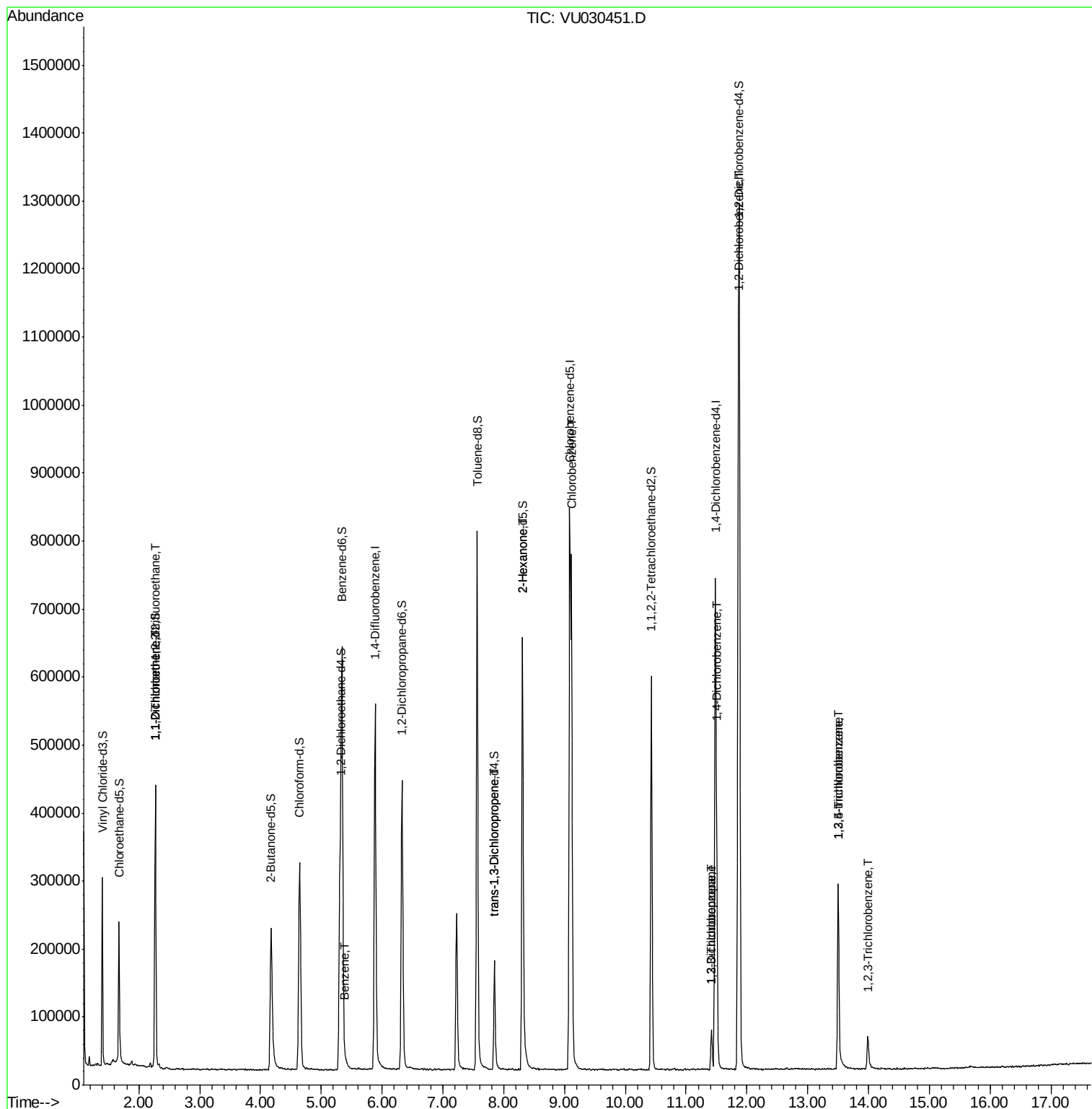
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1971	0.599	ug/L #	23
12) 1,1-Dichloroethene	2.27	96	1813	0.562	ug/L #	1
33) Benzene	5.39	78	11080	0.761	ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	3724	0.713	ug/L	84
48) 2-Hexanone	8.31	43	27147	4.772	ug/L #	74
51) Chlorobenzene	9.12	112	371533	40.565	ug/L	98
59) 1,2,3-Trichloropropane	11.41	75	8440	1.678	ug/L #	43
62) 1,3-Dichlorobenzene	11.42	146	23601	4.077	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	101287	16.994	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	420404	71.813	ug/L	98
67) 1,3,5-Trichlorobenzene	13.50	180	86824	20.032	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	86824	23.056	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	17250	4.338	ug/L	94

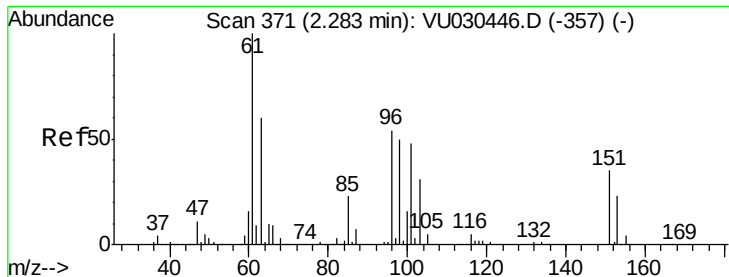
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.599 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030451.D

Acq: 26 Mar 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

C09D0

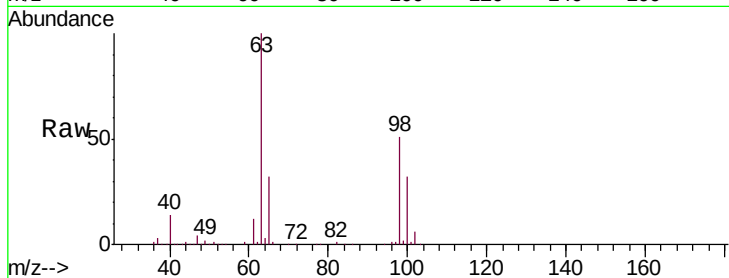
Tgt Ion: 101 Resp: 1971

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

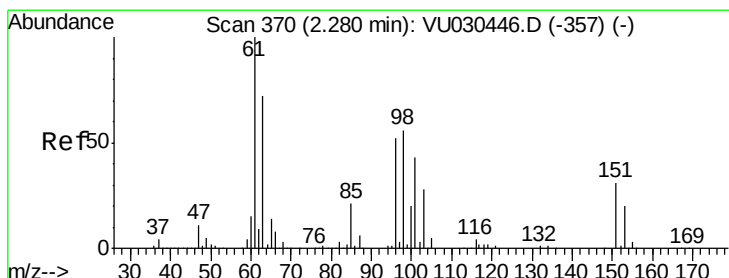
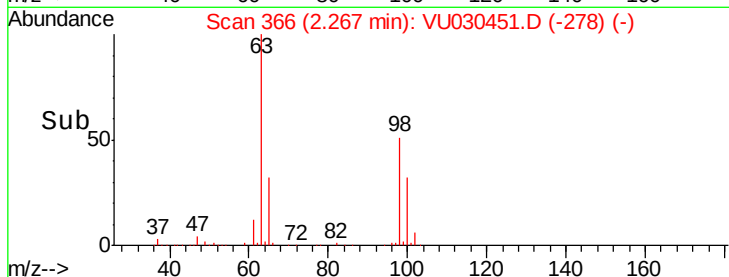
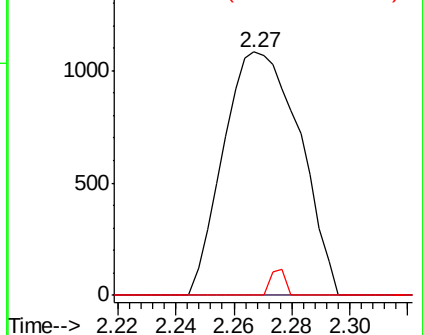
151 2.1 56.6 85.0#



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: 0.562 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU030451.D

Acq: 26 Mar 2019 18:18

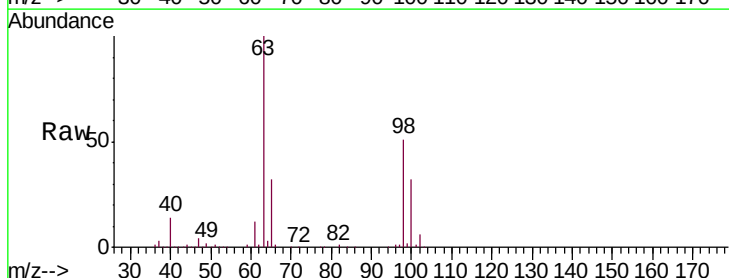
Tgt Ion: 96 Resp: 1813

Ion Ratio Lower Upper

96 100

61 1827.9 131.0 243.4#

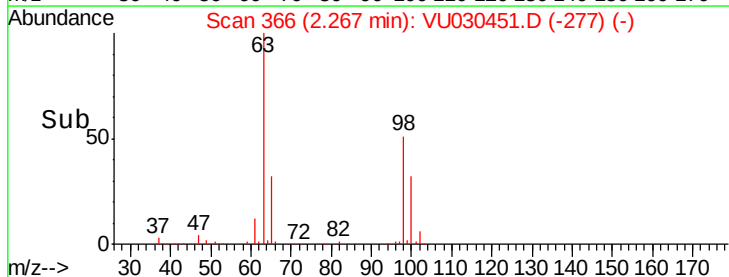
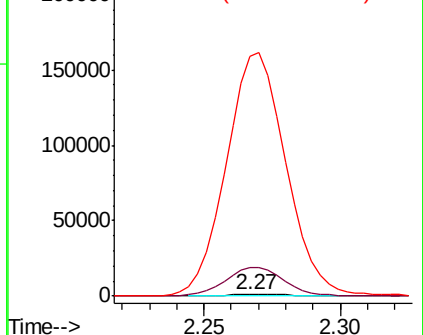
63 15241.3 92.4 171.6#

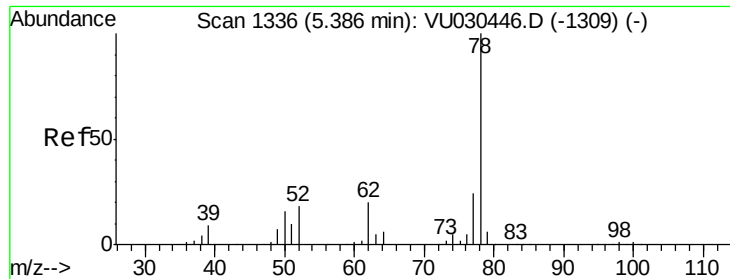


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#33

Benzene

Concen: 0.761 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030451.D

Acq: 26 Mar 2019 18:18

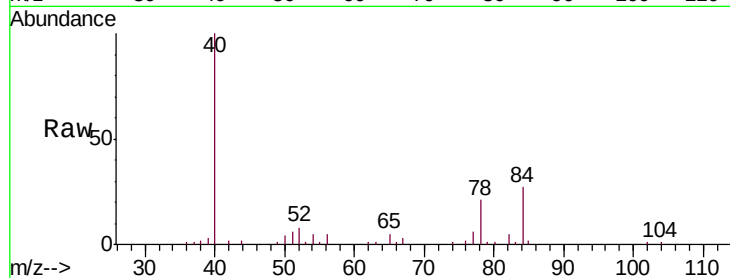
Instrument :

MSVOA_U

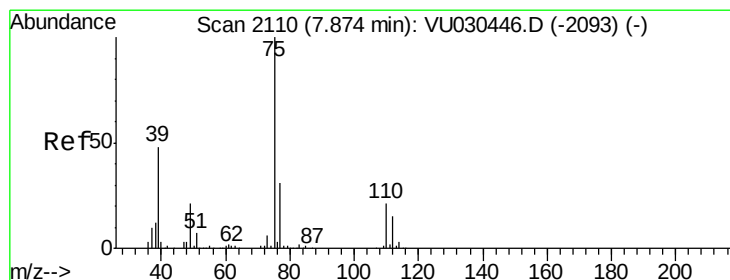
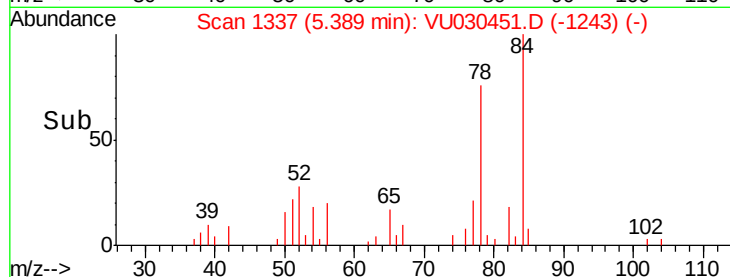
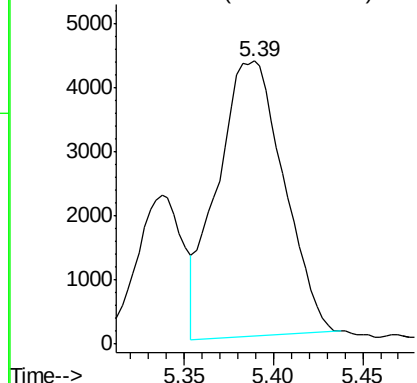
ClientSampleID :

C09D0

Tgt Ion: 78 Resp: 11080



Abundance Ion 78.00 (77.70 to 78.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.713 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030451.D

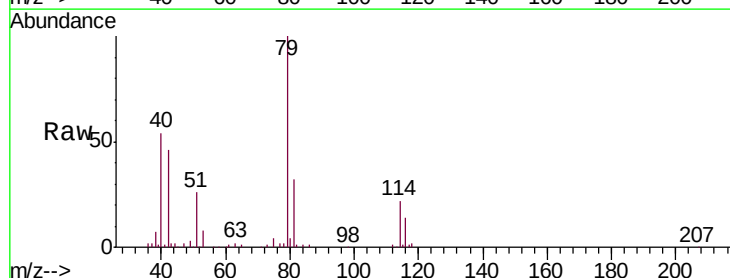
Acq: 26 Mar 2019 18:18

Tgt Ion: 75 Resp: 3724

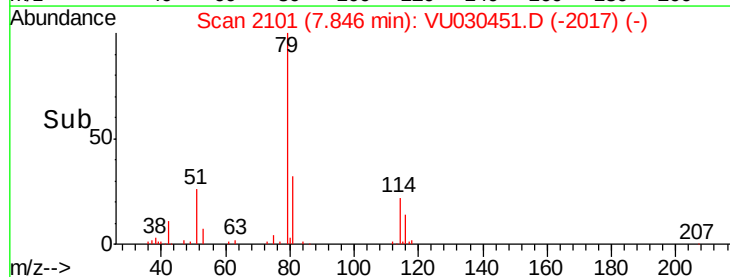
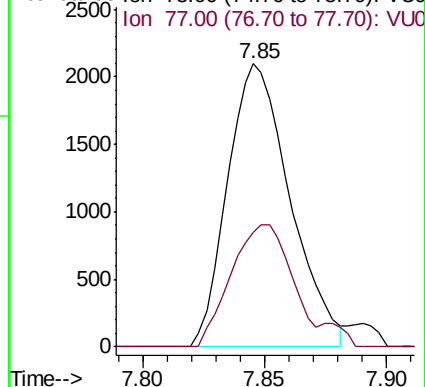
Ion Ratio Lower Upper

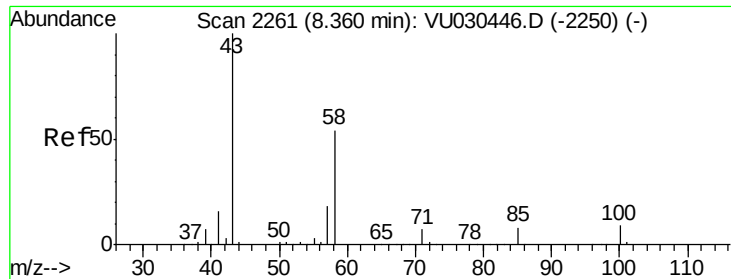
75 100

77 40.3 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

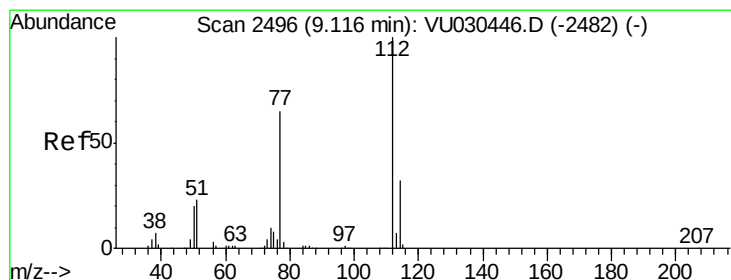
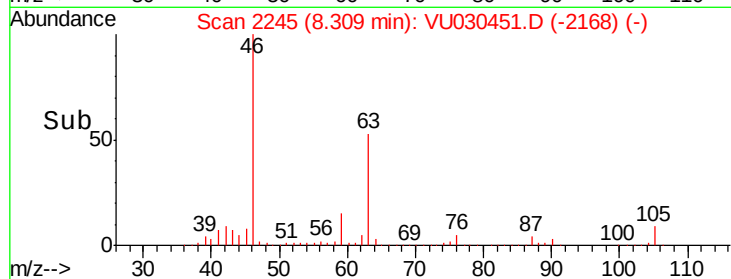
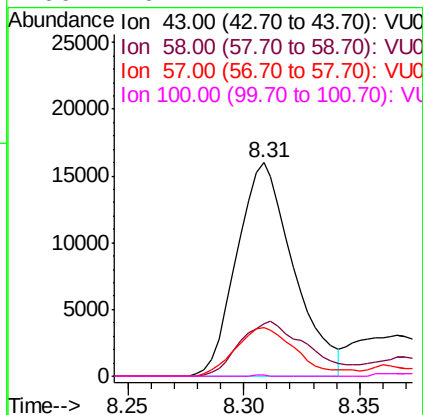
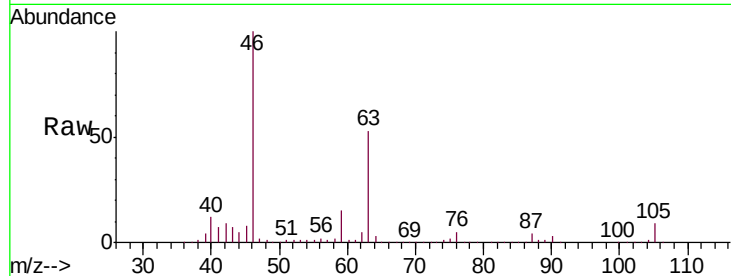




#48
2-Hexanone
Concen: 4.772 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU030451.D
Acq: 26 Mar 2019 18:18

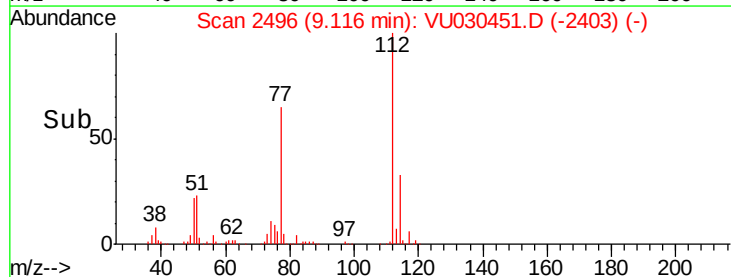
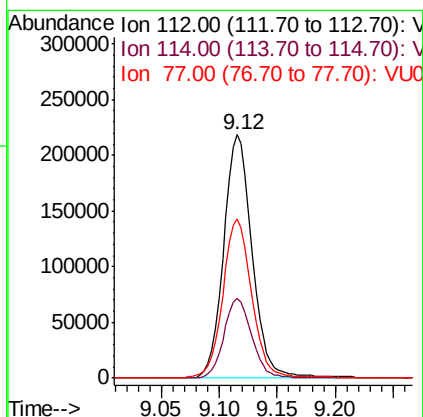
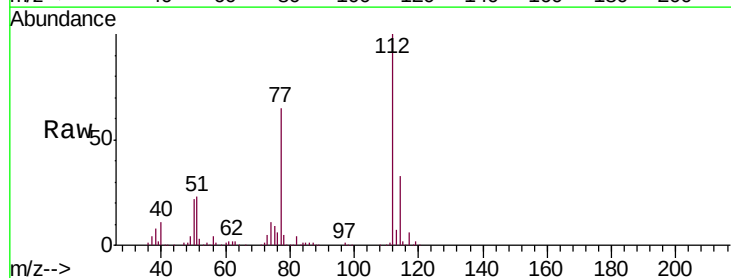
Instrument :
MSVOA_U
ClientSampleId :
C09D0

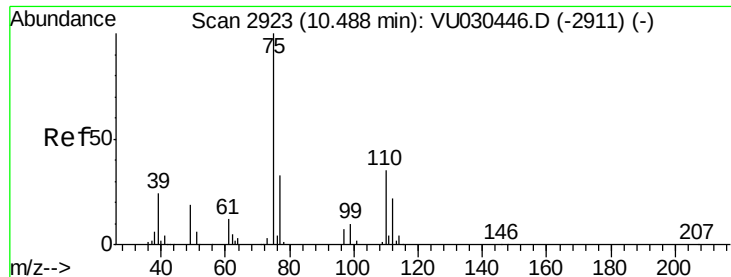
Tgt Ion:	43	Resp:	27147
Ion	Ratio	Lower	Upper
43	100		
58	30.7	42.5	63.7#
57	24.0	15.0	22.6#
100	0.2	7.4	11.2#



#51
Chlorobenzene
Concen: 40.565 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030451.D
Acq: 26 Mar 2019 18:18

Tgt Ion:	112	Resp:	371533
Ion	Ratio	Lower	Upper
112	100		
114	32.7	21.5	39.9
77	65.1	51.4	77.0





#59

1,2,3-Trichloropropane

Concen: 1.678 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.93 min

Lab File: VU030451.D

Acq: 26 Mar 2019 18:18

Instrument :

MSVOA_U

ClientSampleId :

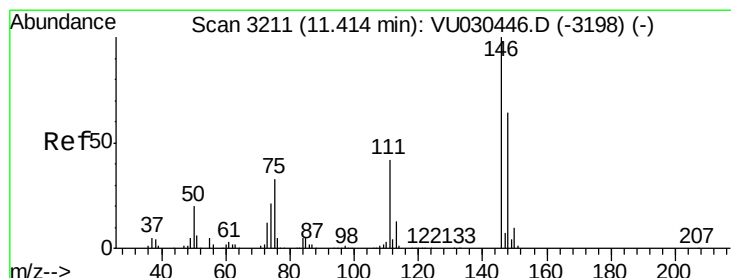
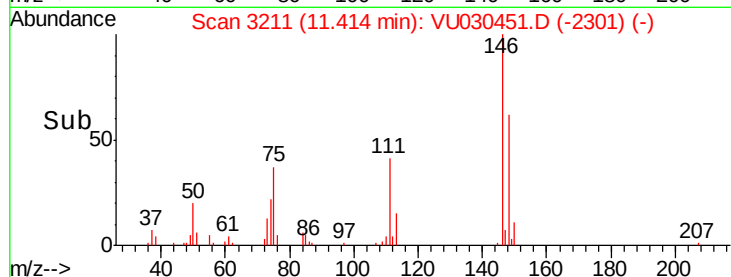
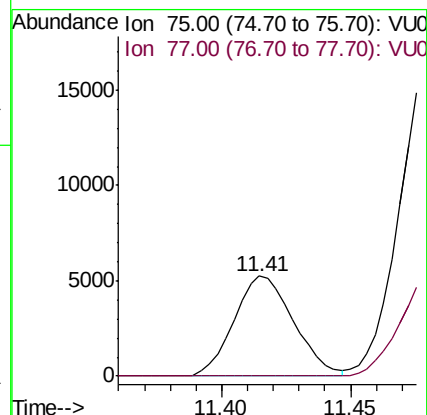
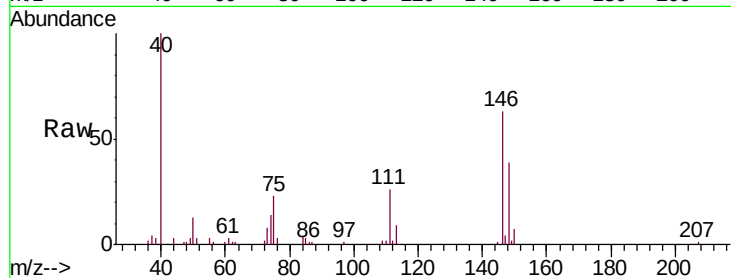
C09D0

Tgt Ion: 75 Resp: 8440

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



#62

1,3-Dichlorobenzene

Concen: 4.077 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030451.D

Acq: 26 Mar 2019 18:18

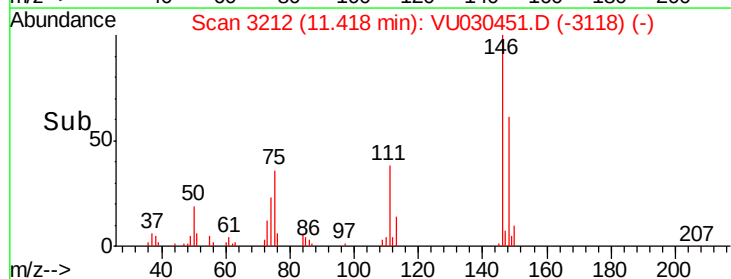
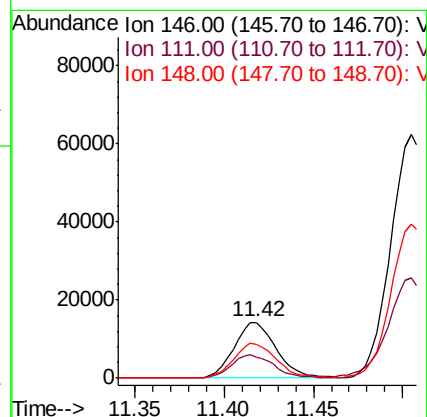
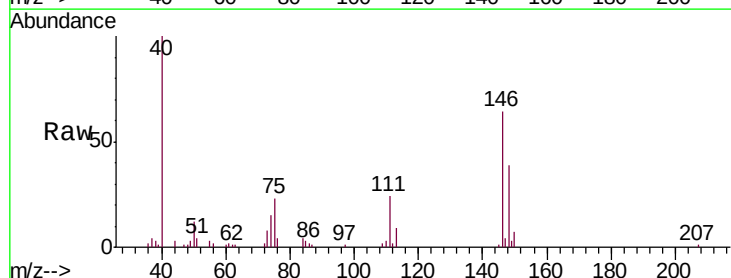
Tgt Ion: 146 Resp: 23601

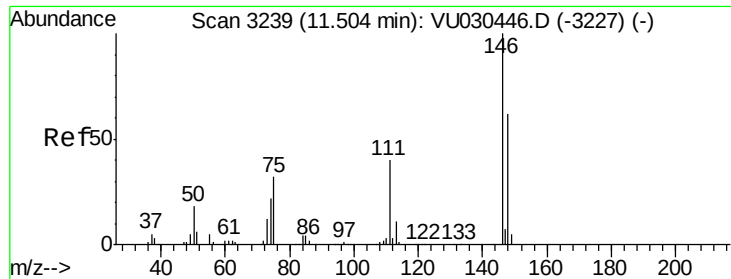
Ion Ratio Lower Upper

146 100

111 38.0 29.2 54.2

148 61.4 44.4 82.4





#63

1,4-Dichlorobenzene

Concen: 16.994 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU030451.D

Acq: 26 Mar 2019 18:18

Instrument :

MSVOA_U

ClientSampleID :

C09D0

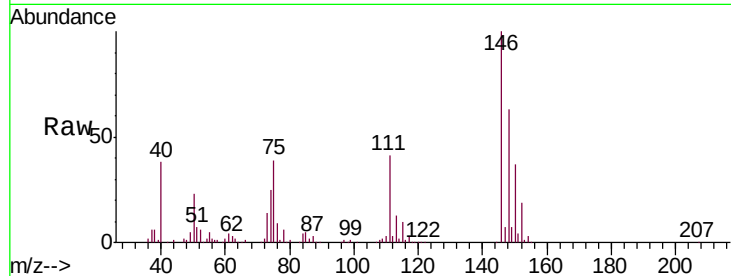
Tgt Ion:146 Resp: 101287

Ion Ratio Lower Upper

146 100

111 40.9 28.7 53.3

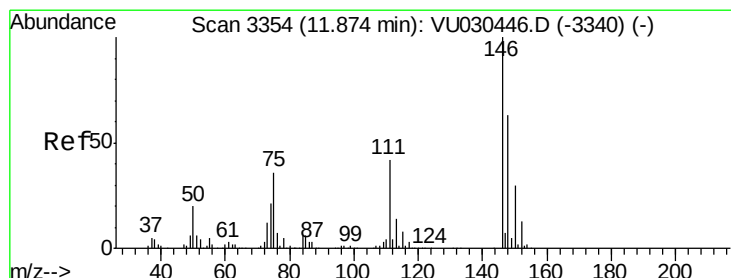
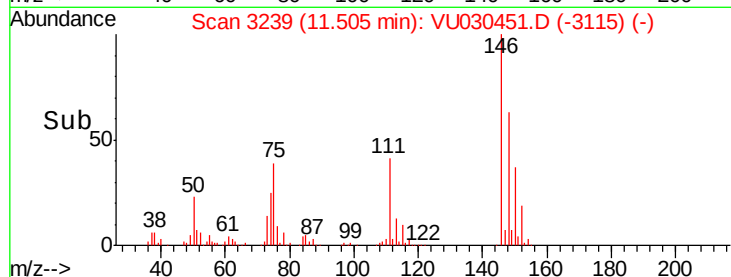
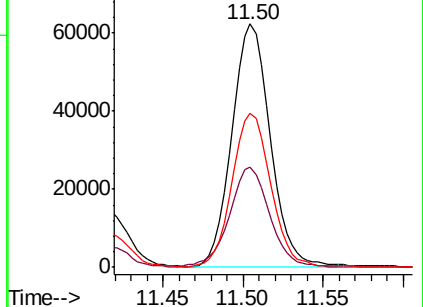
148 63.3 44.3 82.3



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



#65

1,2-Dichlorobenzene

Concen: 71.813 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU030451.D

Acq: 26 Mar 2019 18:18

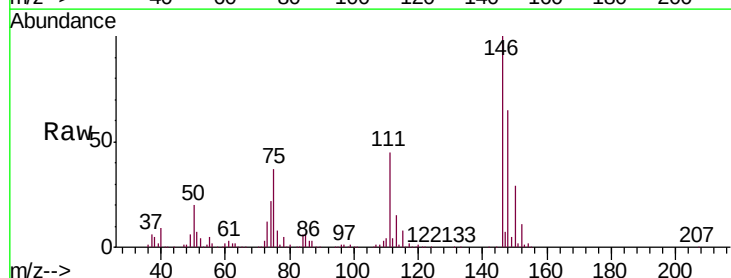
Tgt Ion:146 Resp: 420404

Ion Ratio Lower Upper

146 100

111 45.5 34.9 52.3

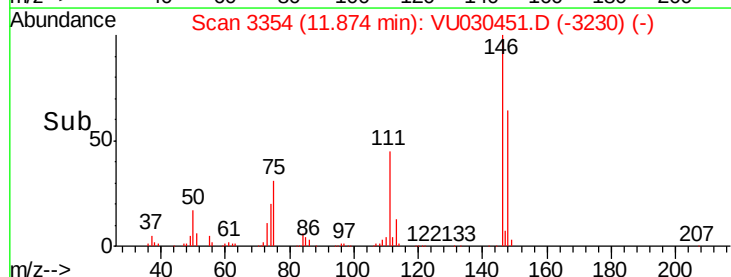
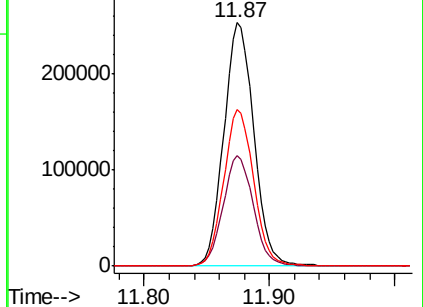
148 64.5 51.2 76.8

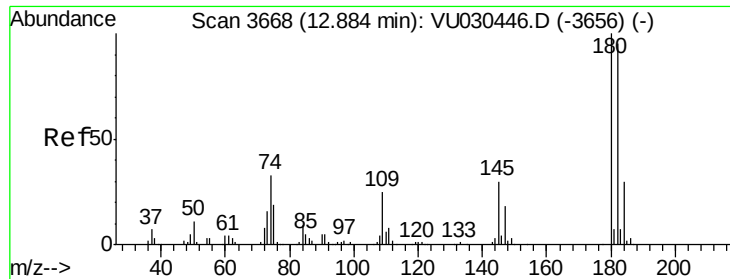


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

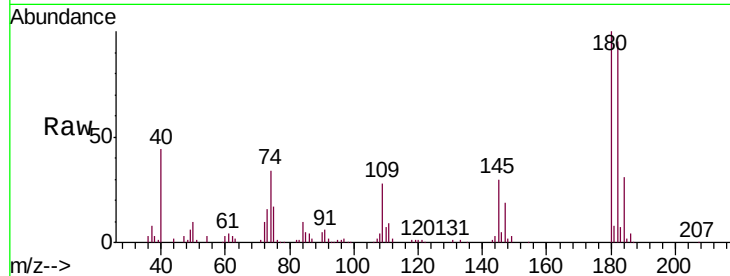




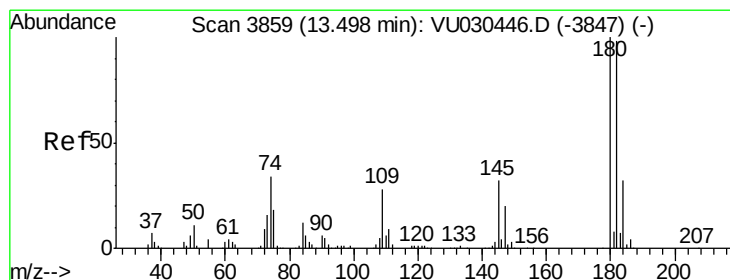
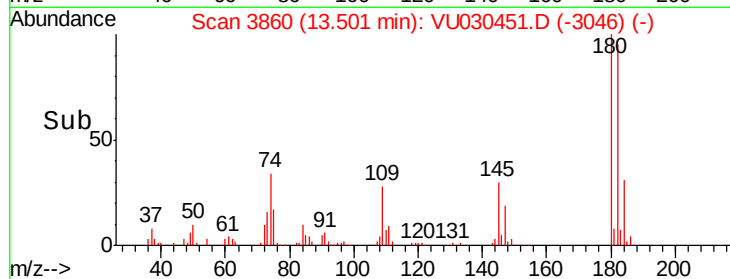
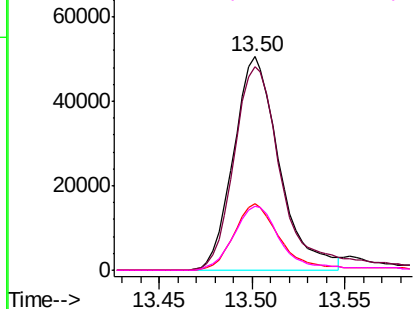
#67
 1,3,5-Trichlorobenzene
 Concen: 20.032 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.62 min
 Lab File: VU030451.D
 Acq: 26 Mar 2019 18:18

Instrument :
 MSVOA_U
 ClientSampleID :
 C09D0

Tgt Ion:180 Resp: 86824
 Ion Ratio Lower Upper
 180 100
 182 99.4 75.9 113.9
 184 31.0 24.1 36.1
 145 30.8 23.8 35.8

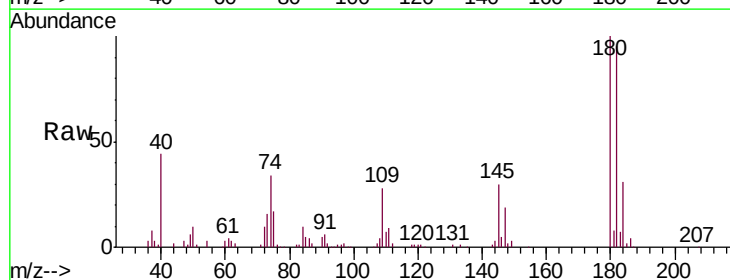


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

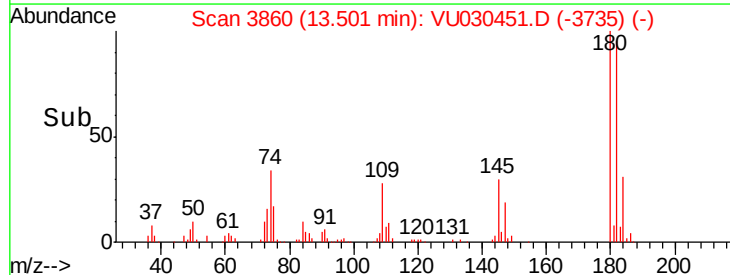
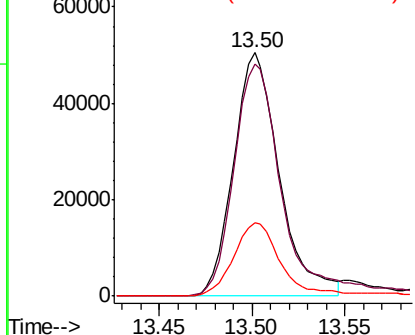


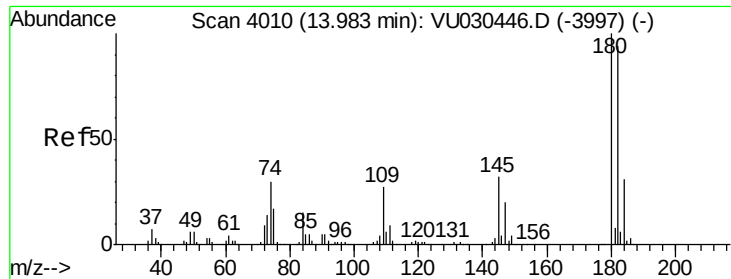
#68
 1,2,4-trichlorobenzene
 Concen: 23.056 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030451.D
 Acq: 26 Mar 2019 18:18

Tgt Ion:180 Resp: 86824
 Ion Ratio Lower Upper
 180 100
 182 99.4 76.1 114.1
 145 30.8 24.5 36.7



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: 4.338 ug/L
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030451.D
 Acq: 26 Mar 2019 18:18

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D0

Tgt Ion	Resp	Lower	Upper
180	17250		
182	104.8	77.4	116.2
145	32.4	25.9	38.9

