

Data File : VU030411.D
Acq On : 25 Mar 2019 18:42
Operator : JC/SP
Sample : K2062-08DL 4X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1D7DL

Quant Time: Mar 26 01:30:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 01:25:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	472634	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	439203	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	173035	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	200107	52.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.22%
7) Chloroethane-d5	1.68	69	154957	51.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.27	63	271507	37.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.26%
21) 2-Butanone-d5	4.17	46	330932	92.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.55%
24) Chloroform-d	4.64	84	308722	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
26) 1,2-Dichloroethane-d4	5.31	65	205229	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.72%
32) Benzene-d6	5.34	84	641190	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.82%
36) 1,2-Dichloropropane-d6	6.33	67	223275	51.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.62%
41) Toluene-d8	7.56	98	555171	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%
43) trans-1,3-Dichloropropene-	7.85	79	93388	46.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.18%
47) 2-Hexanone-d5	8.31	63	215207	92.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	290960	47.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	176676	50.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.92%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1993	0.578	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2348	0.694	ug/L #	1
13) Acetone	2.33	43	3675	1.016	ug/L	83
34) Trichloroethene	6.19	95	3578	0.974	ug/L	94
39) cis-1,3-Dichloropropene	7.22	75	5370	0.881	ug/L #	51
44) trans-1,3-Dichloropropene	7.85	75	3923	0.731	ug/L	92
46) Tetrachloroethene	8.23	164	111895	43.588	ug/L	97
49) Dibromochloromethane	8.22	129	111311	29.882	ug/L #	11
51) Chlorobenzene	9.12	112	8973	0.954	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	25557	4.949	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	7641	1.312	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	6554	1.145	ug/L	97

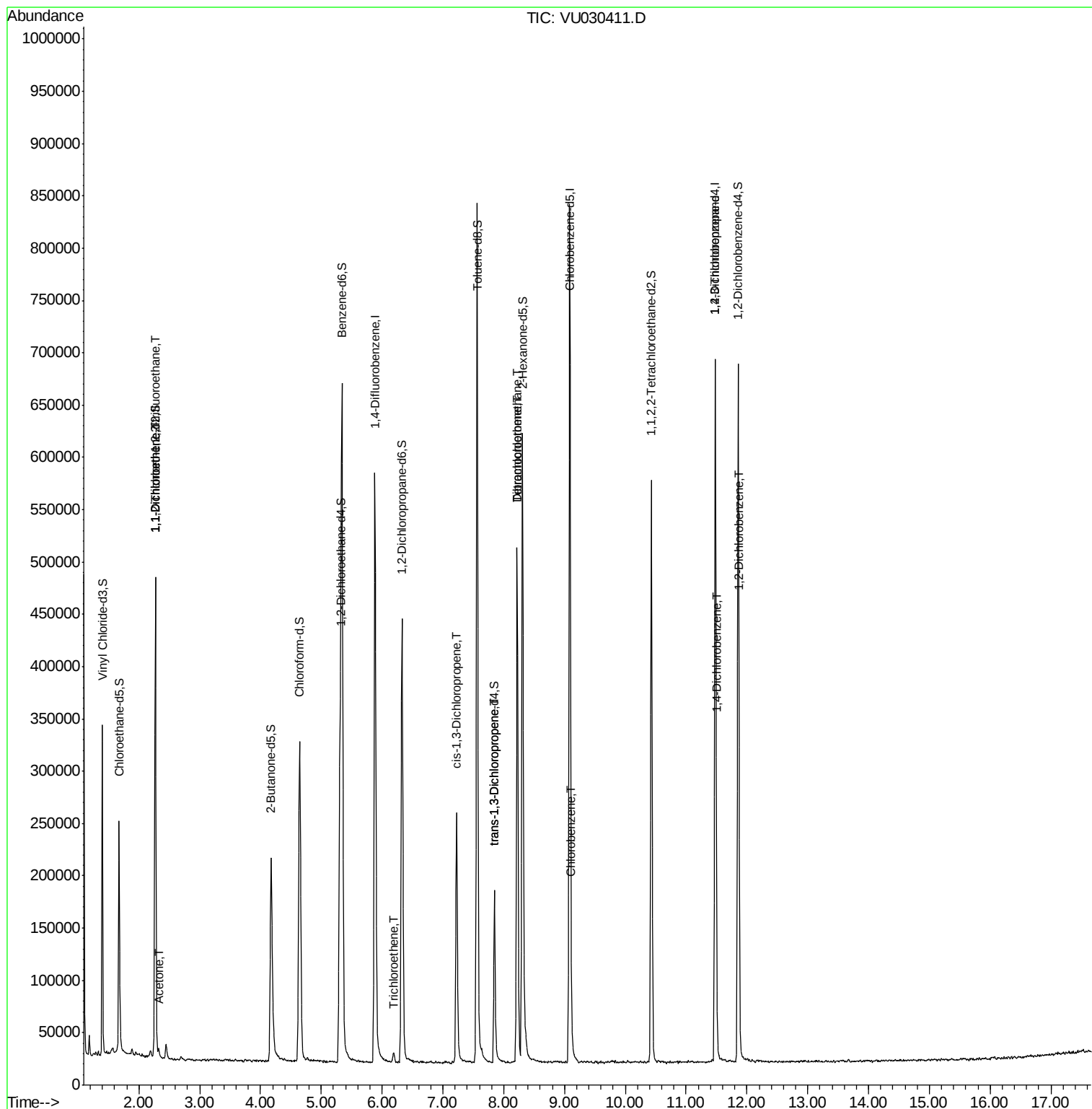
(#) = qualifier out of range (m) = manual integration (+) = signals summed

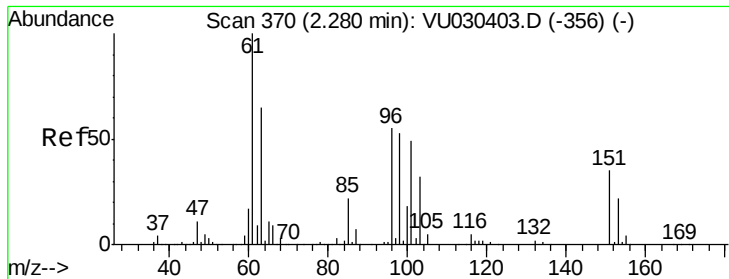
Data File : VU030411.D

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#10

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

Concen: 0.578 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030411.D

Acq: 25 Mar 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

BF1D7DL

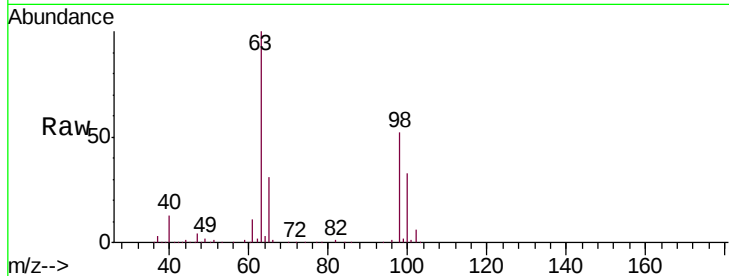
Tgt Ion: 101 Resp: 1993

Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

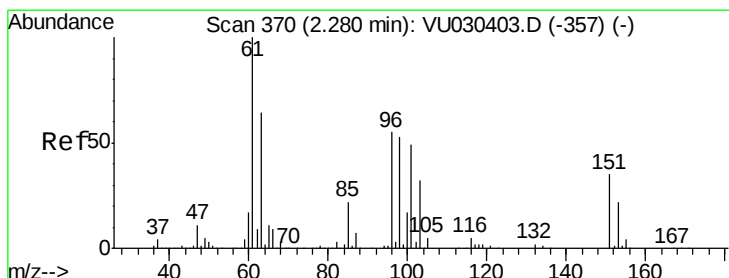
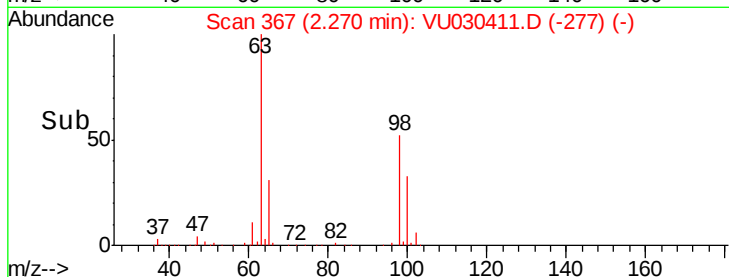
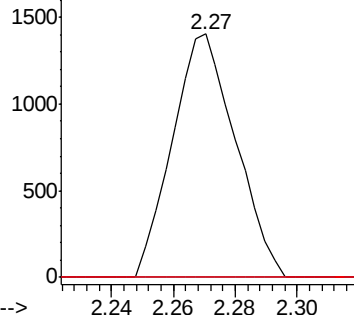
151 0.0 56.6 85.0#



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: 0.694 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU030411.D

Acq: 25 Mar 2019 18:42

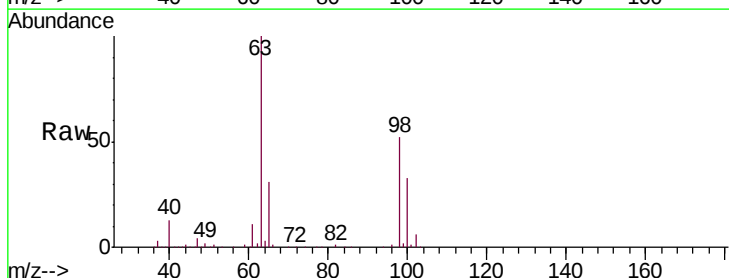
Tgt Ion: 96 Resp: 2348

Ion Ratio Lower Upper

96 100

61 1396.1 131.0 243.4#

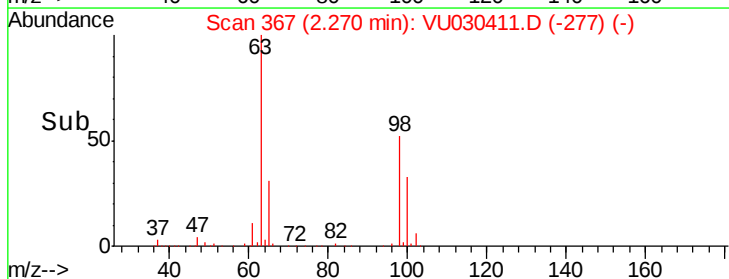
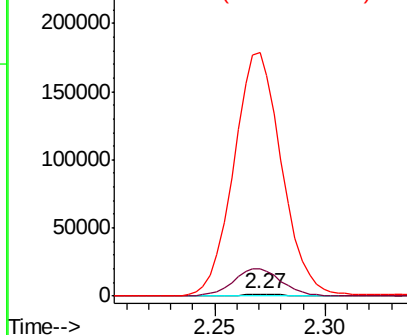
63 12508.7 92.4 171.6#

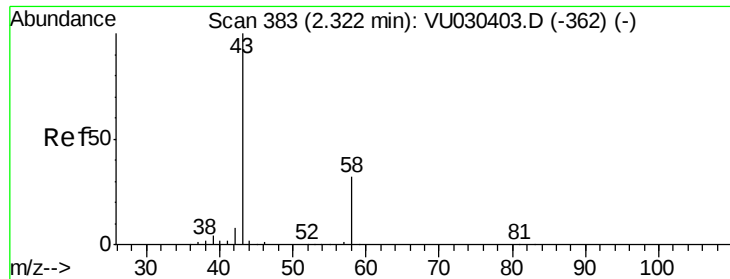


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.016 ug/L

RT: 2.33 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU030411.D

Acq: 25 Mar 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

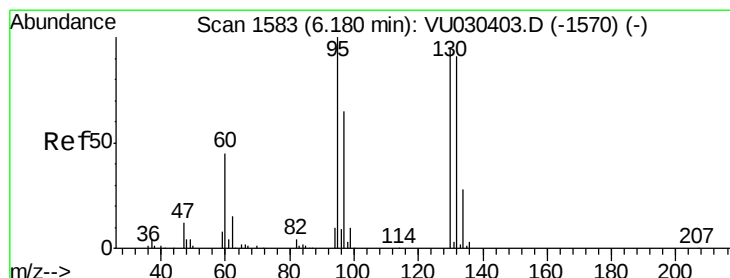
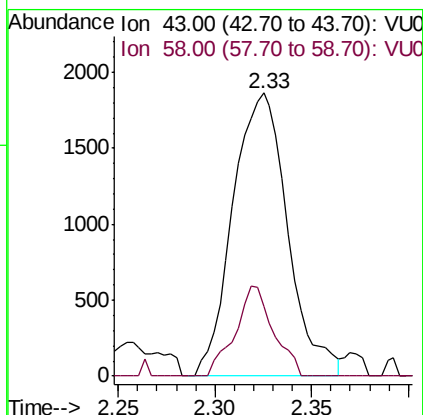
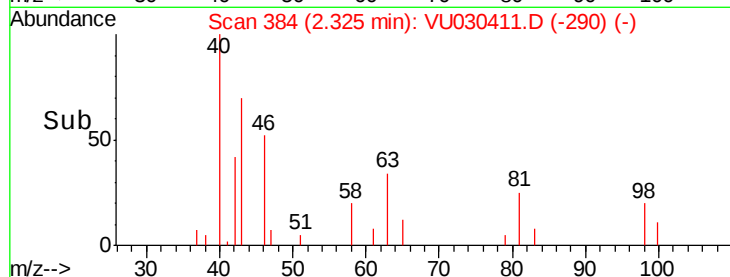
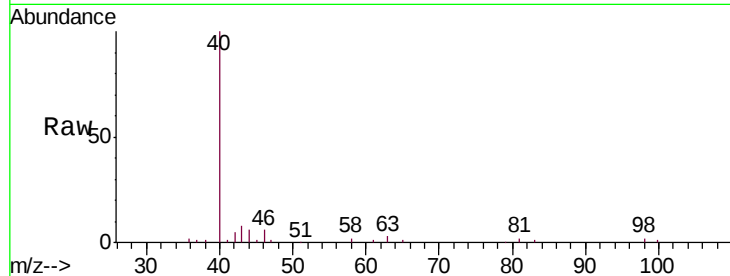
BF1D7DL

Tgt Ion: 43 Resp: 3675

Ion Ratio Lower Upper

43 100

58 22.1 0.0 62.8



#34

Trichloroethene

Concen: 0.974 ug/L

RT: 6.19 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VU030411.D

Acq: 25 Mar 2019 18:42

Tgt Ion: 95 Resp: 3578

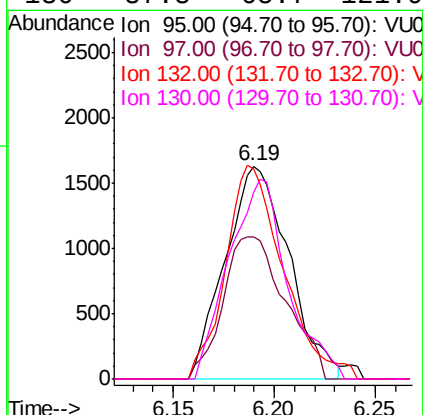
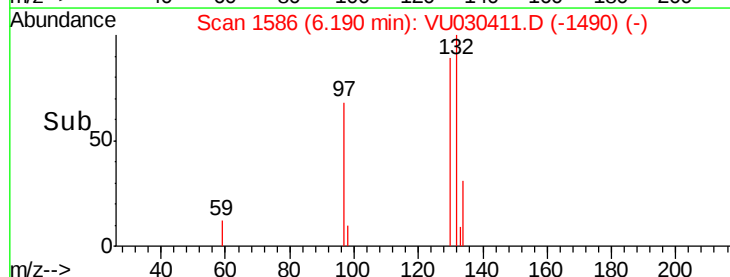
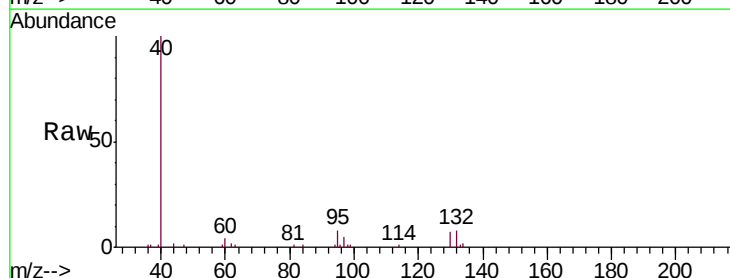
Ion Ratio Lower Upper

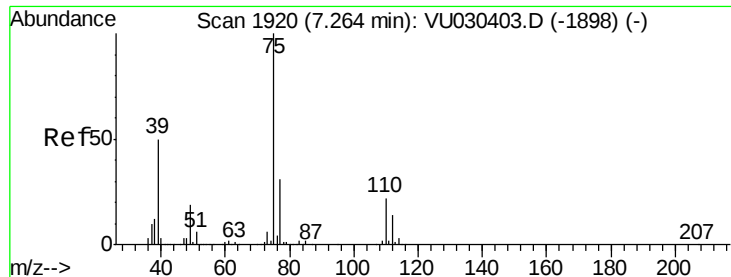
95 100

97 66.7 45.7 84.9

132 98.5 63.8 118.4

130 87.8 65.7 121.9





#39

cis-1,3-Dichloropropene

Concen: 0.881 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU030411.D

Acq: 25 Mar 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

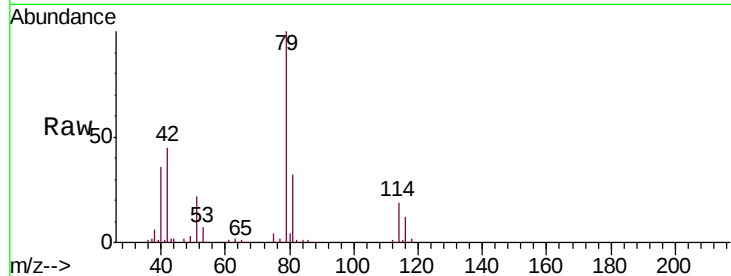
BF1D7DL

Tgt Ion: 75 Resp: 5370

Ion Ratio Lower Upper

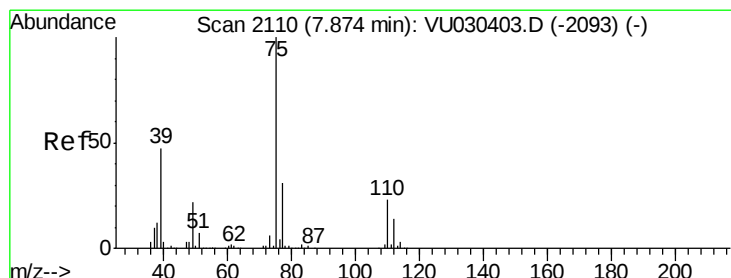
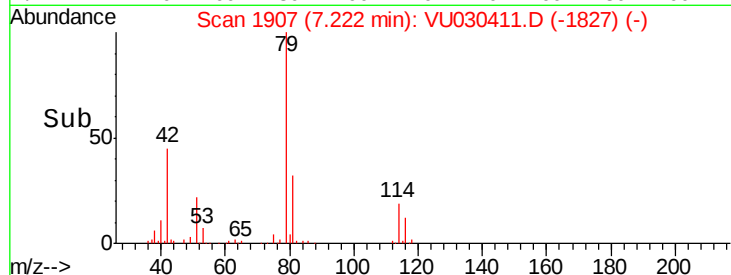
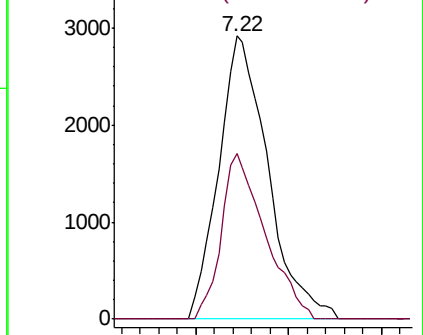
75 100

77 58.5 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.731 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030411.D

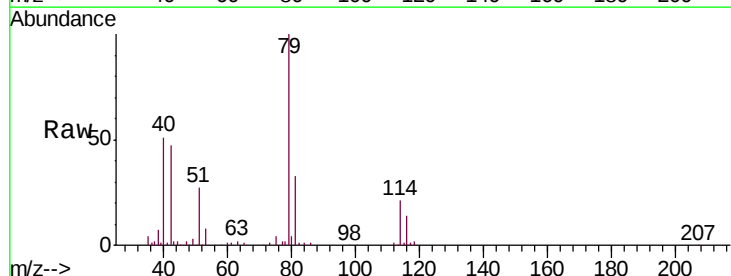
Acq: 25 Mar 2019 18:42

Tgt Ion: 75 Resp: 3923

Ion Ratio Lower Upper

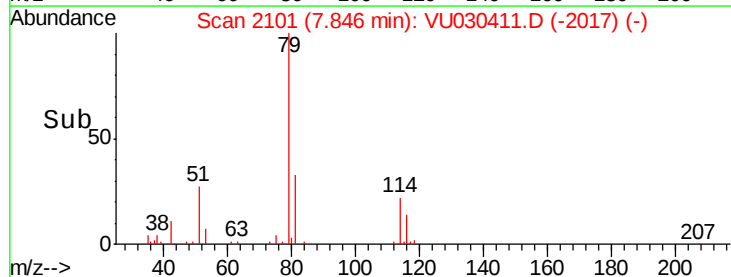
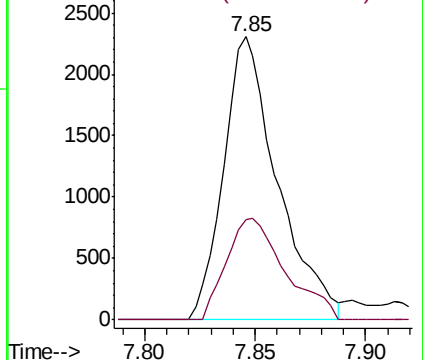
75 100

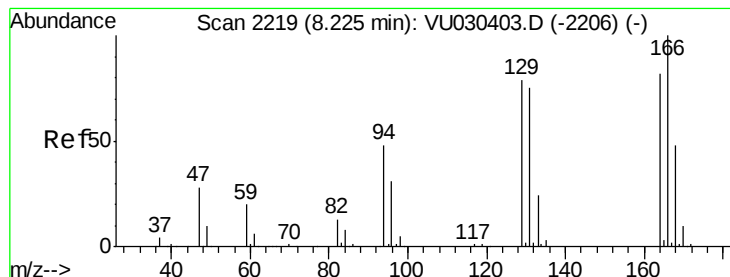
77 35.6 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#46

Tetrachloroethene

Concen: 43.588 ug/L

RT: 8.23 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030411.D

Acq: 25 Mar 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

BF1D7DL

Tgt Ion:164 Resp: 111895

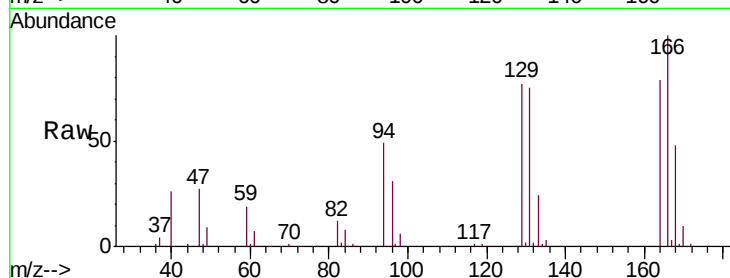
Ion Ratio Lower Upper

164 100

129 96.5 68.1 126.5

131 94.3 67.7 125.7

166 126.0 92.4 171.6

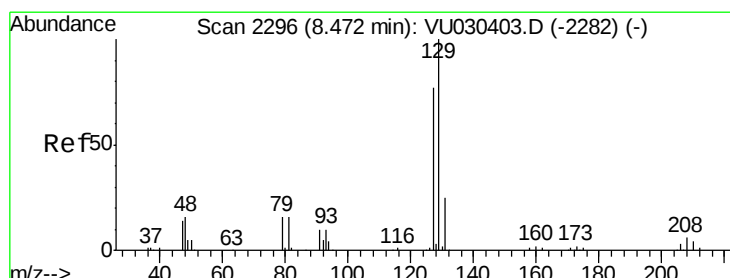
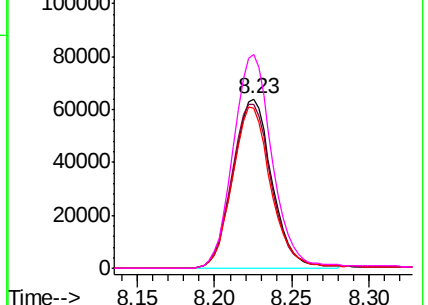
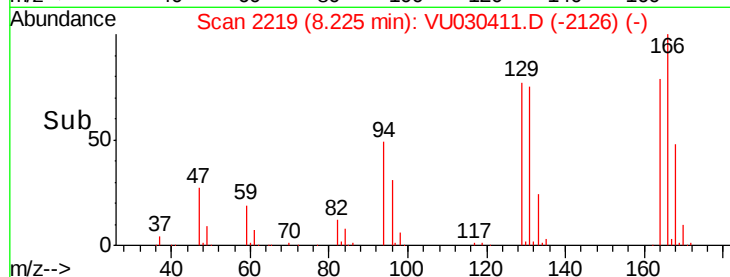


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 29.882 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU030411.D

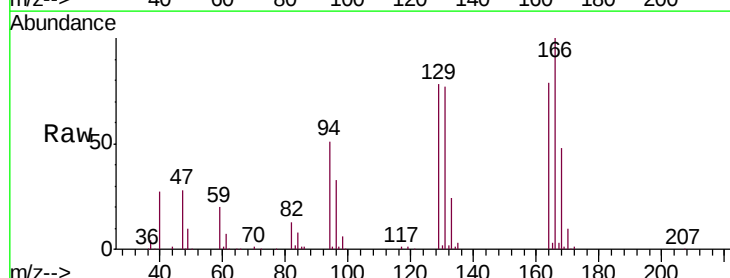
Acq: 25 Mar 2019 18:42

Tgt Ion:129 Resp: 111311

Ion Ratio Lower Upper

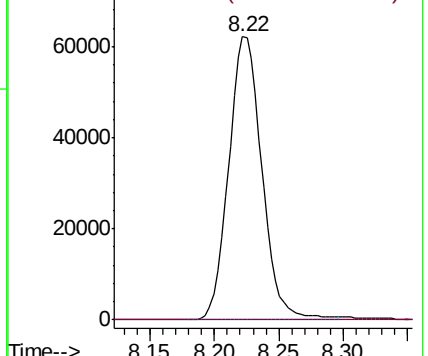
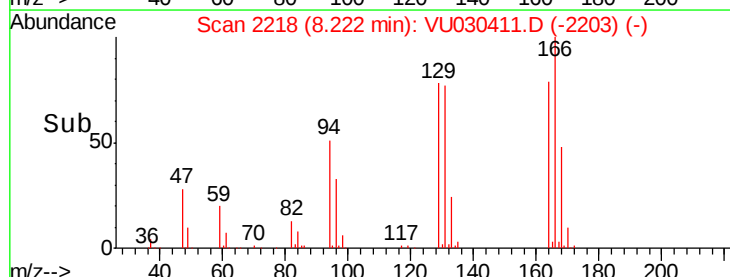
129 100

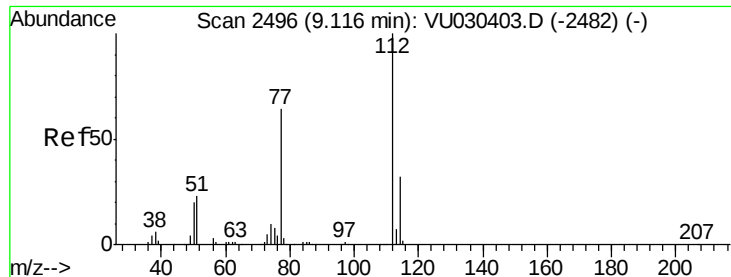
127 0.0 53.2 98.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

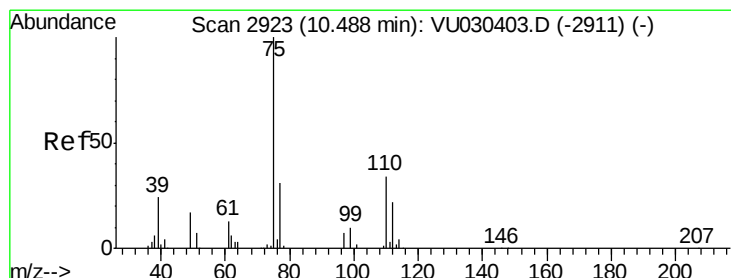
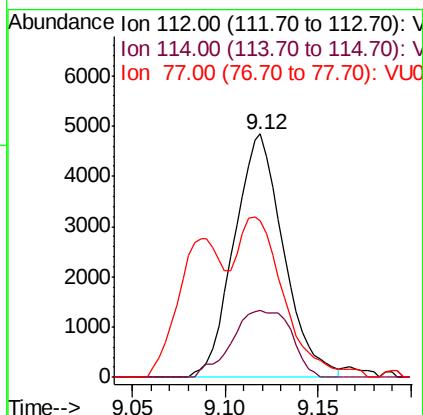
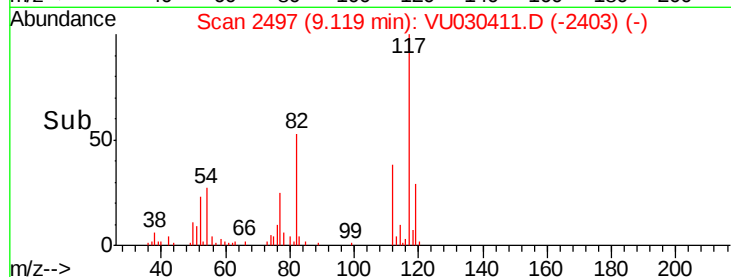
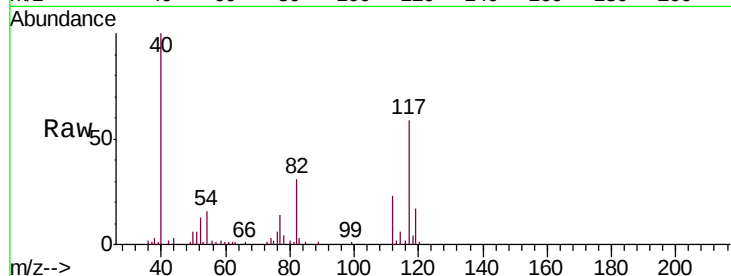




#51
Chlorobenzene
Concen: 0.954 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030411.D
Acq: 25 Mar 2019 18:42

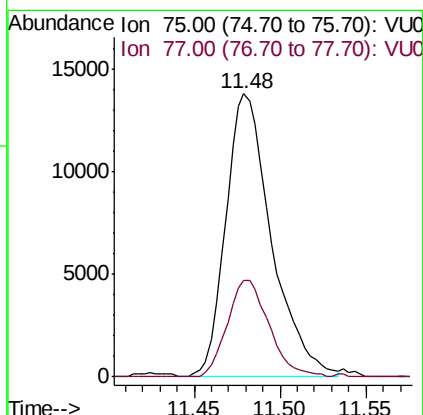
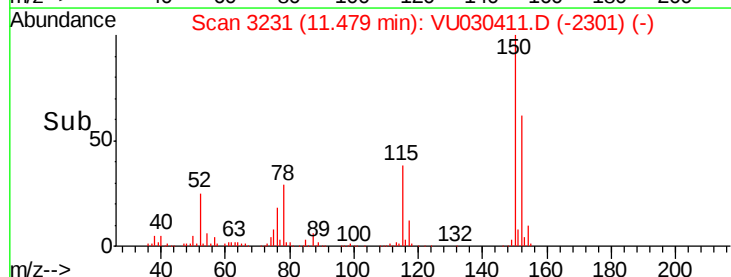
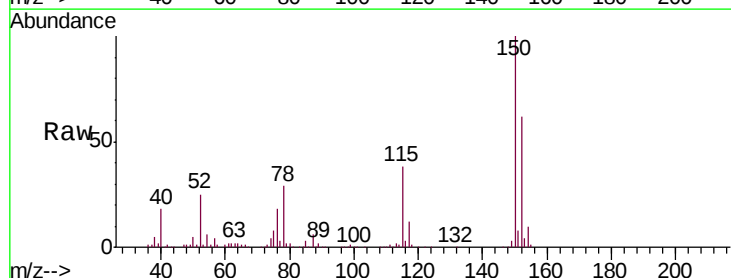
Instrument :
MSVOA_U
ClientSampleId :
BF1D7DL

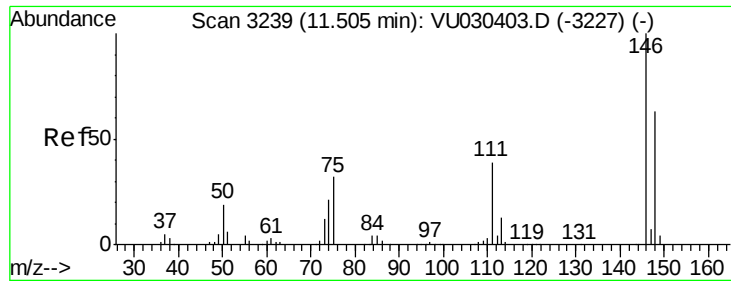
Tgt Ion: 112 Resp: 8973
Ion Ratio Lower Upper
112 100
114 27.3 21.5 39.9
77 64.1 51.4 77.0



#59
1,2,3-Trichloropropane
Concen: 4.949 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU030411.D
Acq: 25 Mar 2019 18:42

Tgt Ion: 75 Resp: 25557
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2

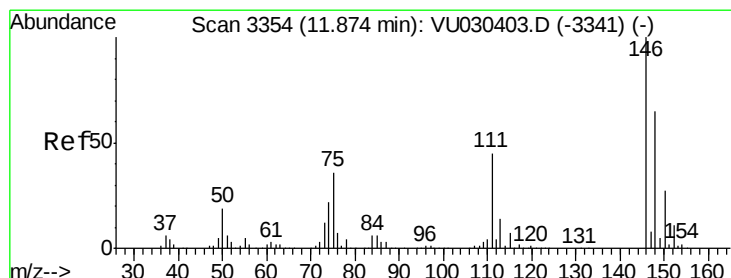
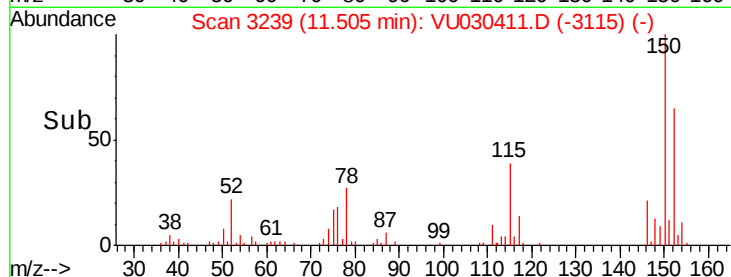
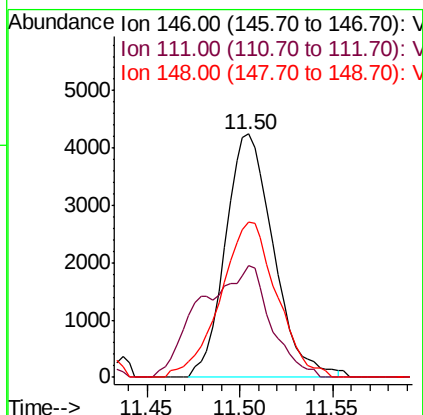
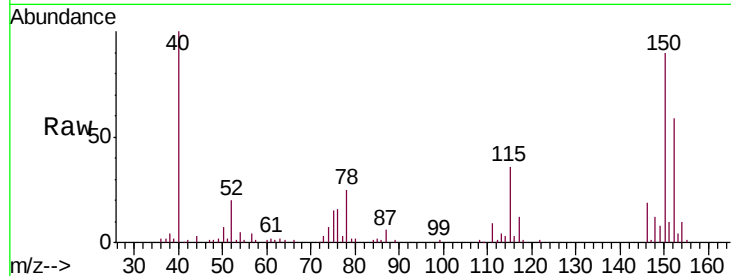




#63
 1,4-Dichlorobenzene
 Concen: 1.312 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030411.D
 Acq: 25 Mar 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1D7DL

Tgt Ion:146 Resp: 7641
 Ion Ratio Lower Upper
 146 100
 111 45.7 28.7 53.3
 148 63.6 44.3 82.3



#65
 1,2-Dichlorobenzene
 Concen: 1.145 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030411.D
 Acq: 25 Mar 2019 18:42

Tgt Ion:146 Resp: 6554
 Ion Ratio Lower Upper
 146 100
 111 47.6 34.9 52.3
 148 65.2 51.2 76.8

