

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031054.D
 Acq On : 11 Apr 2019 09:11
 Operator : JC/SP
 Sample : K2340-05DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF2S5DL

Quant Time: Apr 12 03:11:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 03:03:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	504814	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	499013	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	218416	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	222006	49.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.54%
7) Chloroethane-d5	1.68	69	177864	52.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.27	63	297063	36.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.90%
21) 2-Butanone-d5	4.17	46	340005	95.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.20%
24) Chloroform-d	4.64	84	339389	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.30	65	241550	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
32) Benzene-d6	5.33	84	721808	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.10%
36) 1,2-Dichloropropane-d6	6.32	67	243157	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.42%
41) Toluene-d8	7.56	98	622199	48.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.38%
43) trans-1,3-Dichloropropene-	7.85	79	106830	46.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.86%
47) 2-Hexanone-d5	8.31	63	215433	94.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	326194	48.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.88%
64) 1,2-Dichlorobenzene-d4	11.85	152	223877	52.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.24%

Target Compounds

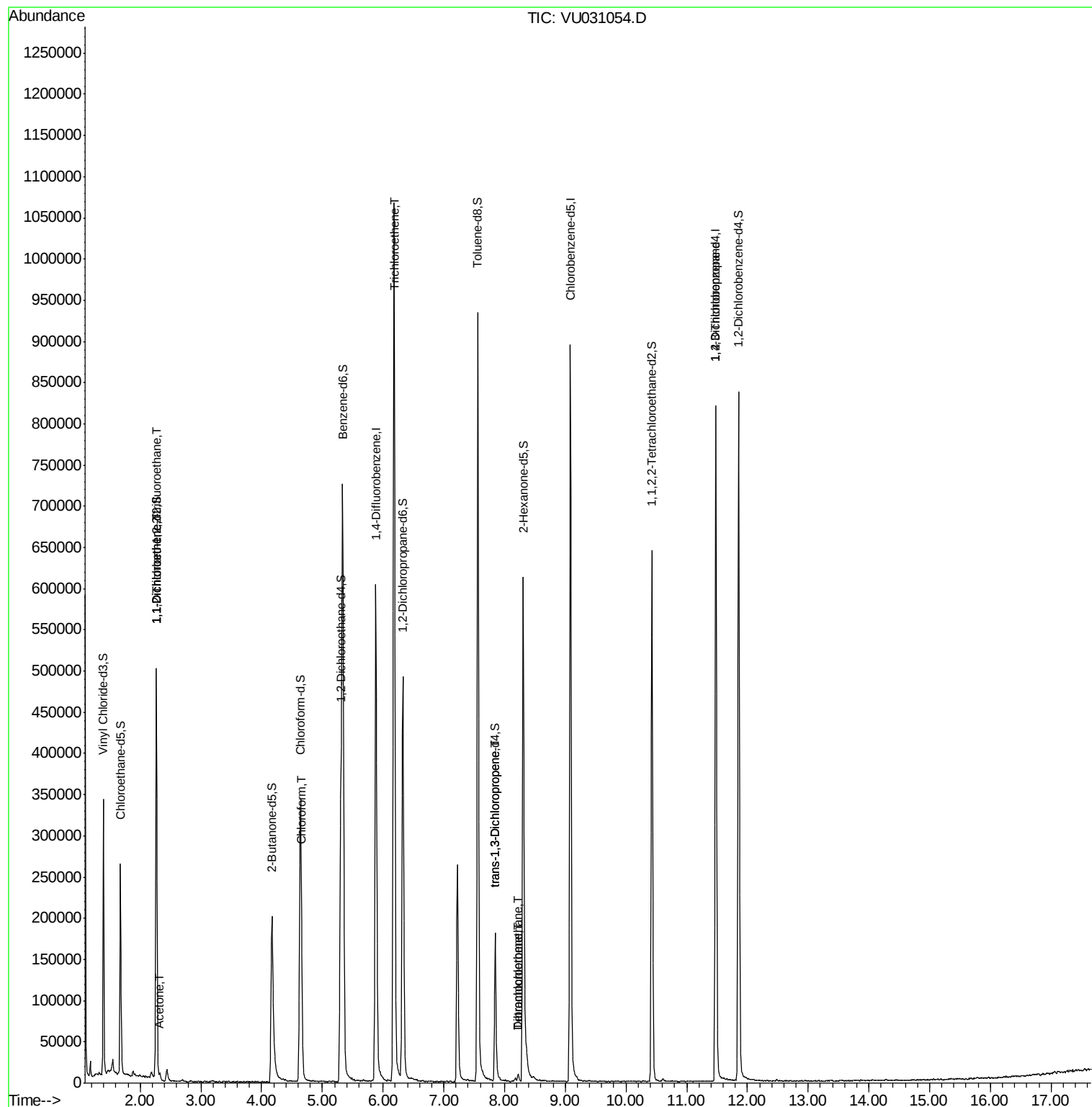
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2644	0.731	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2501	0.717	ug/L #	1
13) Acetone	2.32	43	4854	1.328	ug/L	93
25) Chloroform	4.67	83	15073	1.961	ug/L	87
34) Trichloroethene	6.18	95	388309	96.952	ug/L	98
44) trans-1,3-Dichloropropene	7.85	75	3882	0.669	ug/L #	83
46) Tetrachloroethene	8.22	164	2270	0.780	ug/L #	74
49) Dibromochloromethane	8.22	129	2454	0.590	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	26668	4.815	ug/L	94

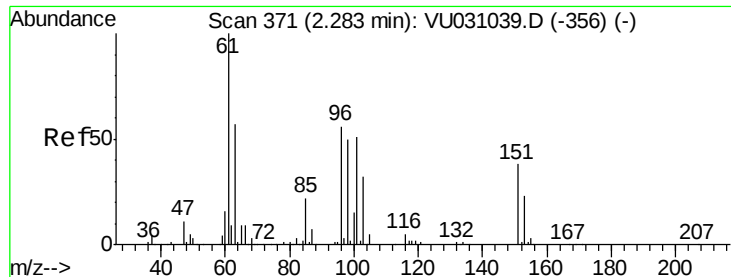
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 12 03:03:54 2019
Response via : Initial Calibration





#10

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

Concen: 0.731 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU031054.D

Acq: 11 Apr 2019 09:11

Instrument :

MSVOA_U

ClientSampleId :

BF2S5DL

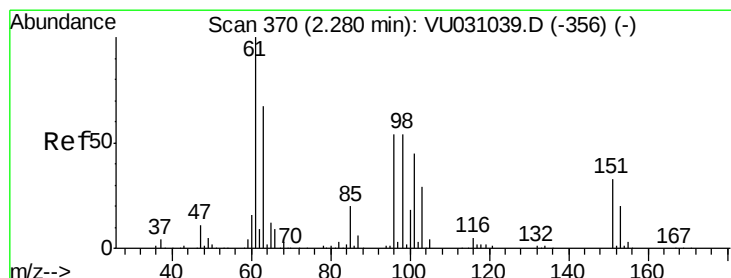
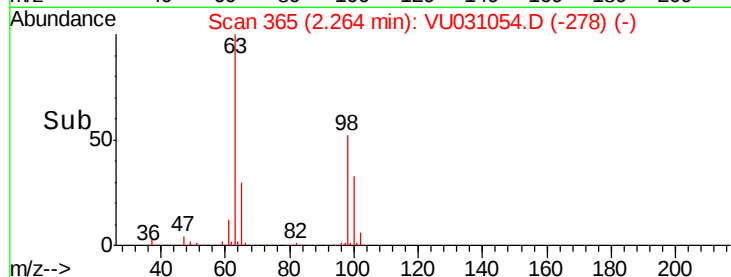
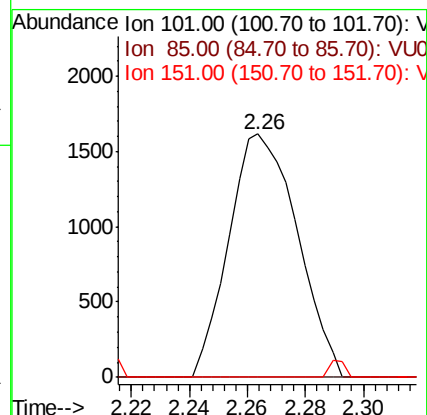
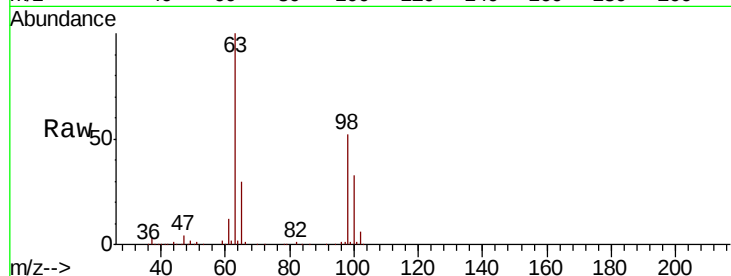
Tot Ion:101 Resp: 2644

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 1.6 57.4 86.0#



#12

1,1-Dichloroethene

Concen: 0.717 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031054.D

Acq: 11 Apr 2019 09:11

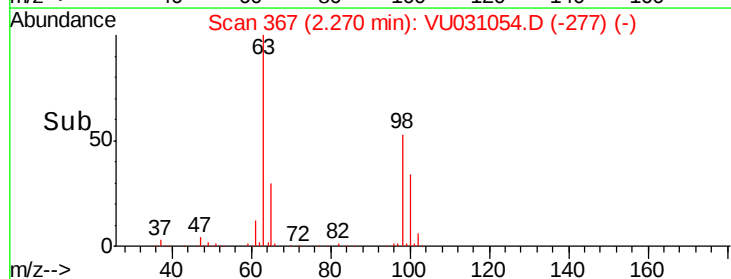
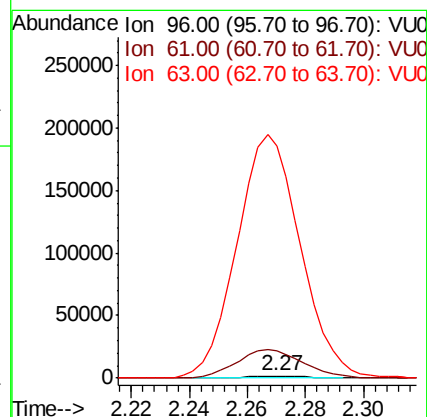
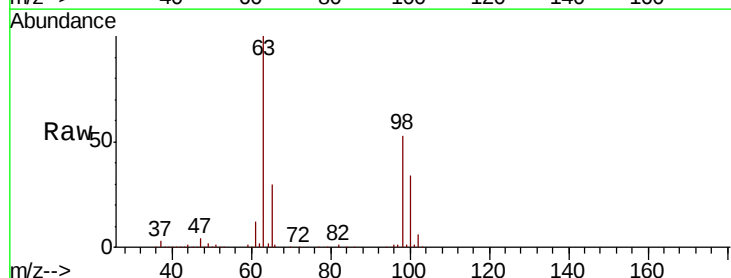
Tgt Ion: 96 Resp: 2501

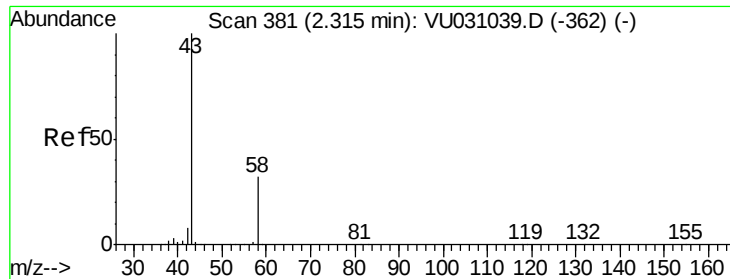
Ion Ratio Lower Upper

96 100

61 1426.1 132.0 245.2#

63 12226.6 90.9 168.9#





#13

Acetone

Concen: 1.328 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031054.D

Acq: 11 Apr 2019 09:11

Instrument :

MSVOA_U

ClientSampleId :

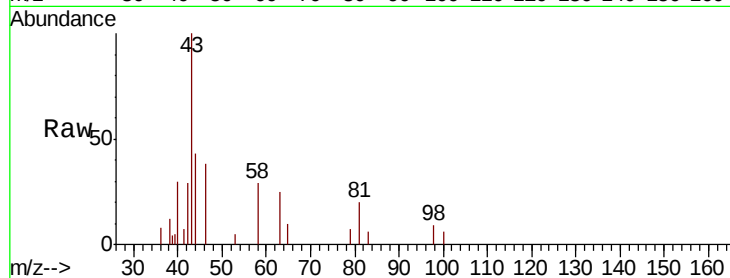
BF2S5DL

Tot Ion: 43 Resp: 4854

Ion Ratio Lower Upper

43 100

58 27.9 0.0 64.0



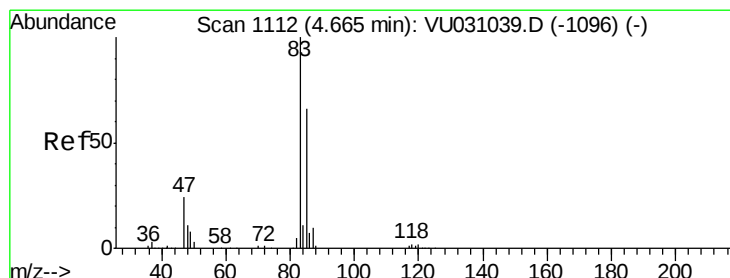
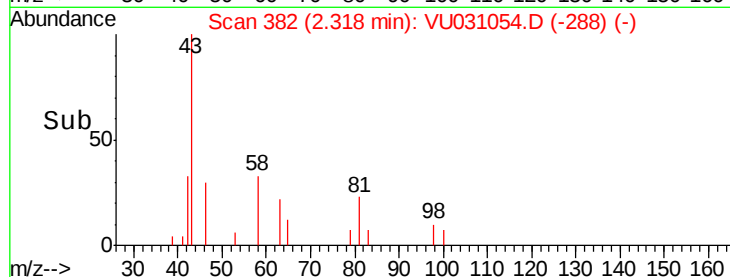
Abundance Ion 43.00 (42.70 to 43.70): VU031039.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU031039.D (-362) (-)

Time-->

2.25 2.30 2.35

2.32



#25

Chloroform

Concen: 1.961 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VU031054.D

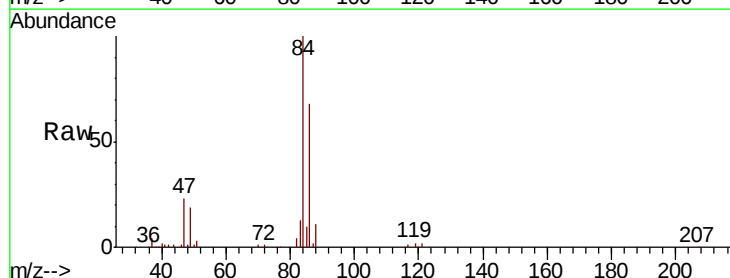
Acq: 11 Apr 2019 09:11

Tgt Ion: 83 Resp: 15073

Ion Ratio Lower Upper

83 100

85 75.8 45.8 85.0



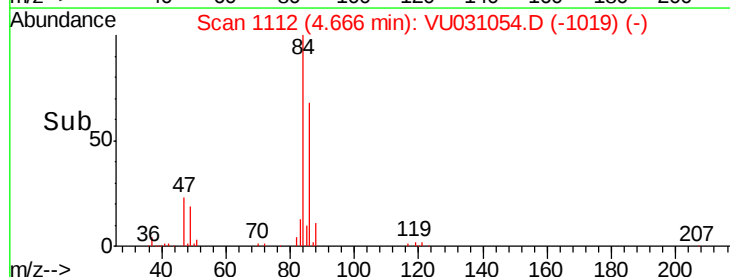
Abundance Ion 83.00 (82.70 to 83.70): VU031039.D (-1096) (-)

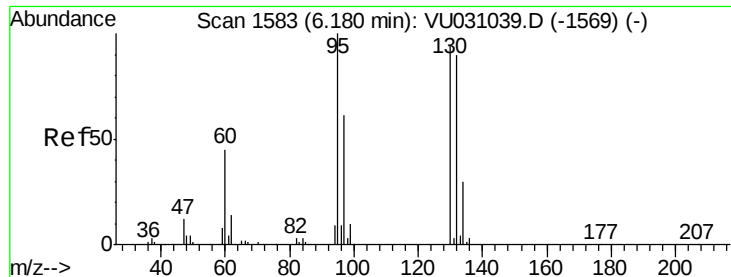
Ion 85.00 (84.70 to 85.70): VU031039.D (-1096) (-)

Time-->

4.60 4.65 4.70 4.75

4.67





#34

Trichloroethene

Concen: 96.952 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031054.D

Acq: 11 Apr 2019 09:11

Instrument :

MSVOA_U

ClientSampleId :

BF2S5DL

Tot Ion: 95 Resp: 388309

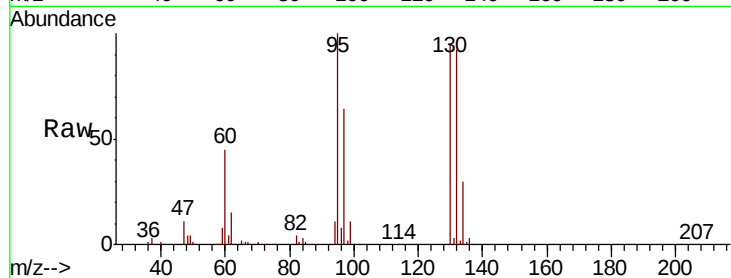
Ion Ratio Lower Upper

95 100

97 64.1 44.5 82.7

132 91.7 61.5 114.1

130 94.8 64.9 120.5

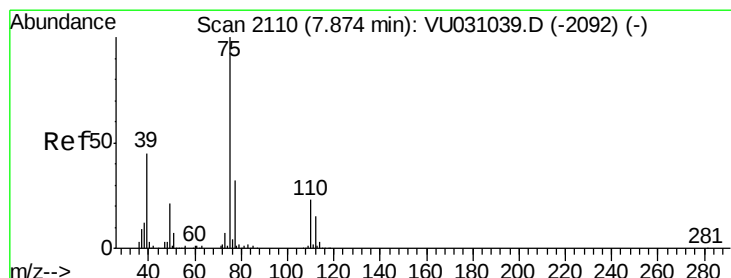
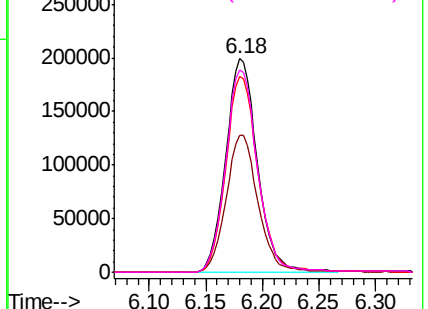
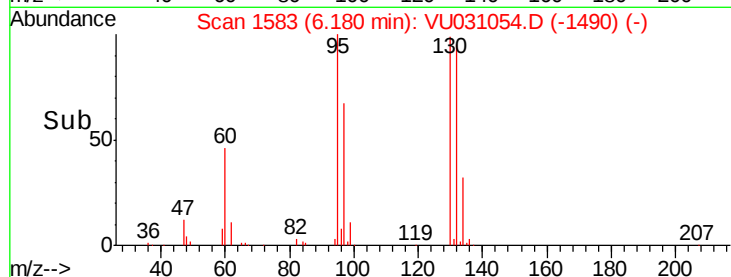


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#44

trans-1,3-Dichloropropene

Concen: 0.669 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031054.D

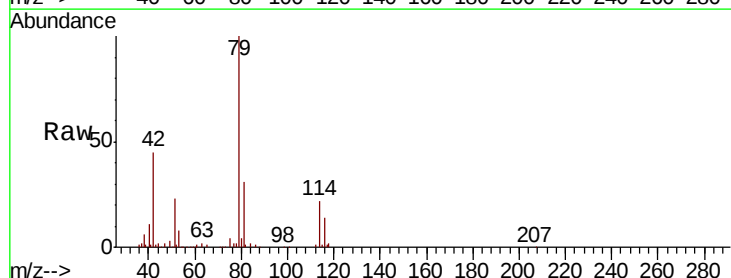
Acq: 11 Apr 2019 09:11

Tgt Ion: 75 Resp: 3882

Ion Ratio Lower Upper

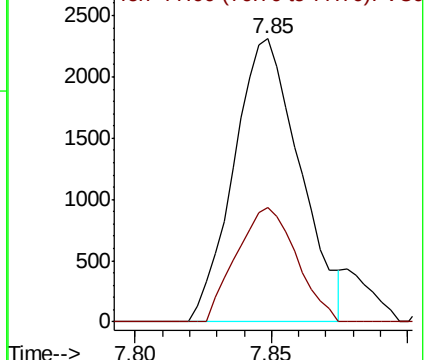
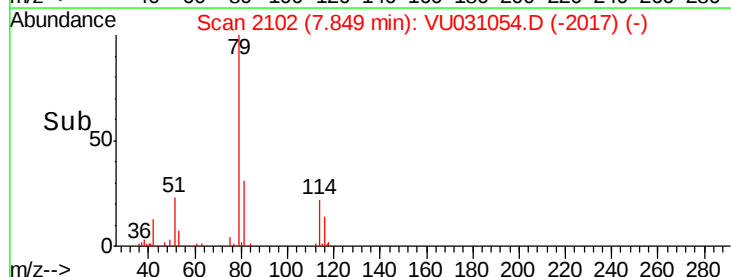
75 100

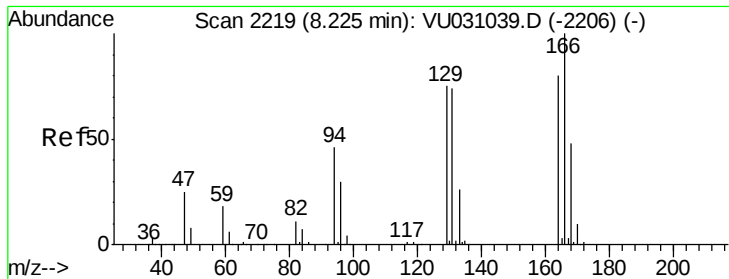
77 40.4 21.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

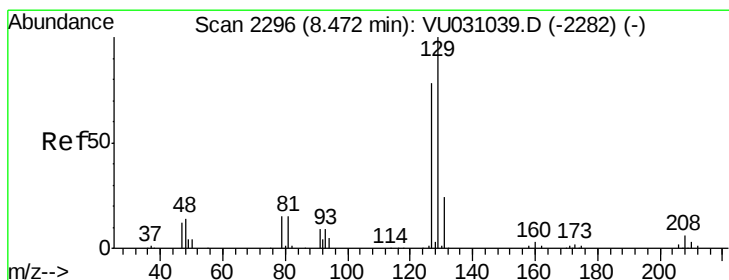
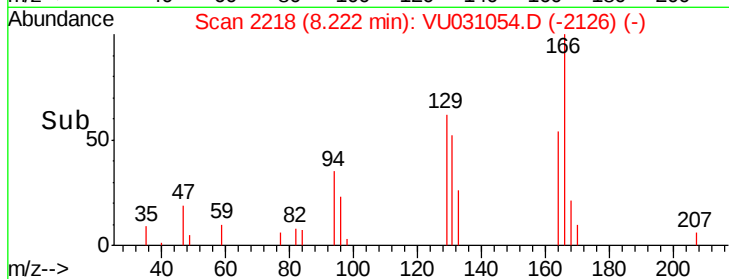
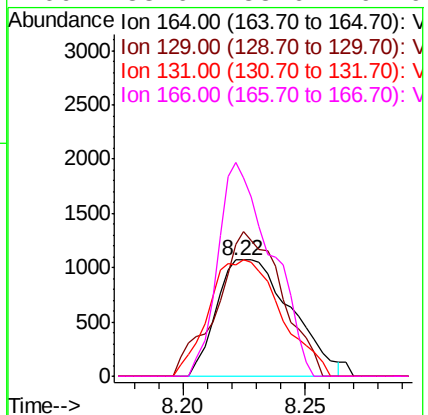
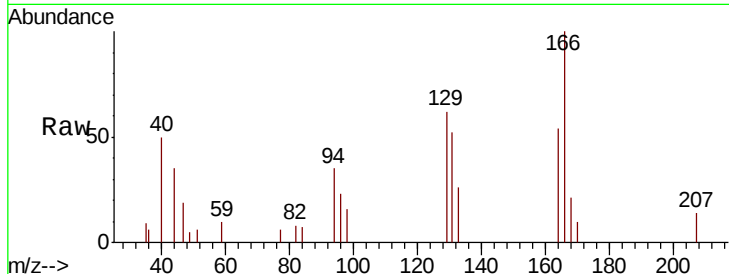




#46
Tetrachloroethene
Concen: 0.780 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU031054.D
Acq: 11 Apr 2019 09:11

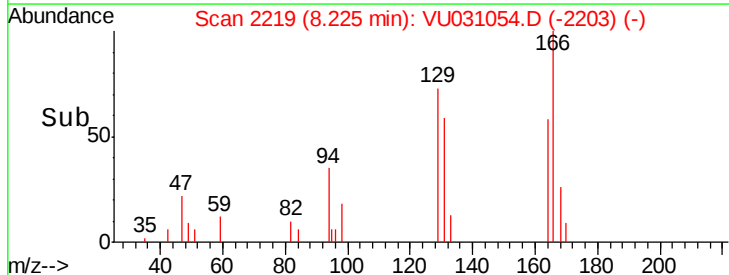
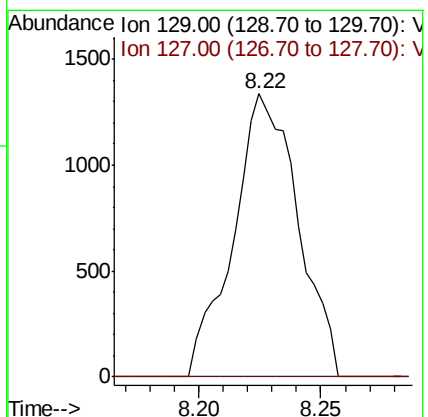
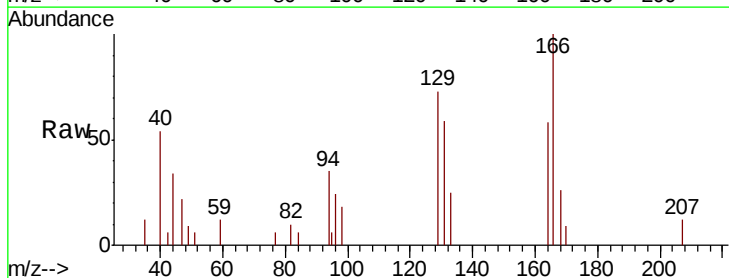
Instrument :
MSVOA_U
ClientSampleId :
BF2S5DL

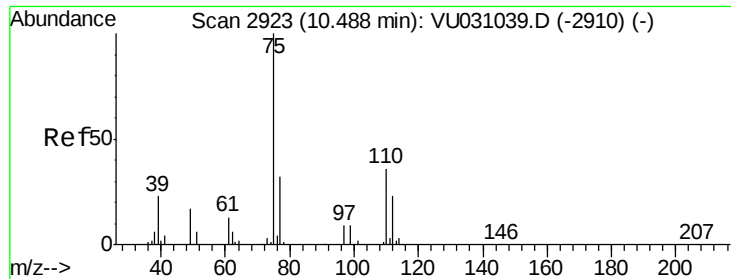
Tot Ion:164 Resp: 2270
Ion Ratio Lower Upper
164 100
129 113.2 67.4 125.2
131 96.1 65.9 122.5
166 183.6 88.6 164.6#



#49
Dibromochloromethane
Concen: 0.590 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU031054.D
Acq: 11 Apr 2019 09:11

Tgt Ion:129 Resp: 2454
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.3#





#59

1,2,3-Trichloropropane

Concen: 4.815 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031054.D

Acq: 11 Apr 2019 09:11

Instrument :

MSVOA_U

ClientSampleId :

BF2S5DL

Tot Ion: 75 Resp: 26668

Ion Ratio Lower Upper

75 100

77 36.1 26.1 39.1

