

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031036.D
 Acq On : 11 Apr 2019 00:54
 Operator : JC/SP
 Sample : K2299-21MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6Z7MSD

Quant Time: Apr 11 05:25:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:17:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	518755	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	508904	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	222291	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	225361	48.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.34%
7) Chloroethane-d5	1.68	69	183184	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.24%
11) 1,1-Dichloroethene-d2	2.27	63	412529	49.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.50%
21) 2-Butanone-d5	4.17	46	389735	106.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.19%
24) Chloroform-d	4.64	84	360747	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.30	65	252080	52.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.44%
32) Benzene-d6	5.33	84	768498	51.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.46%
36) 1,2-Dichloropropane-d6	6.32	67	262754	51.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.22%
41) Toluene-d8	7.56	98	686005	52.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	7.85	79	113477	48.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.76%
47) 2-Hexanone-d5	8.31	63	250220	107.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.53%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	355003	51.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.38%
64) 1,2-Dichlorobenzene-d4	11.86	152	238303	54.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.02%

Target Compounds

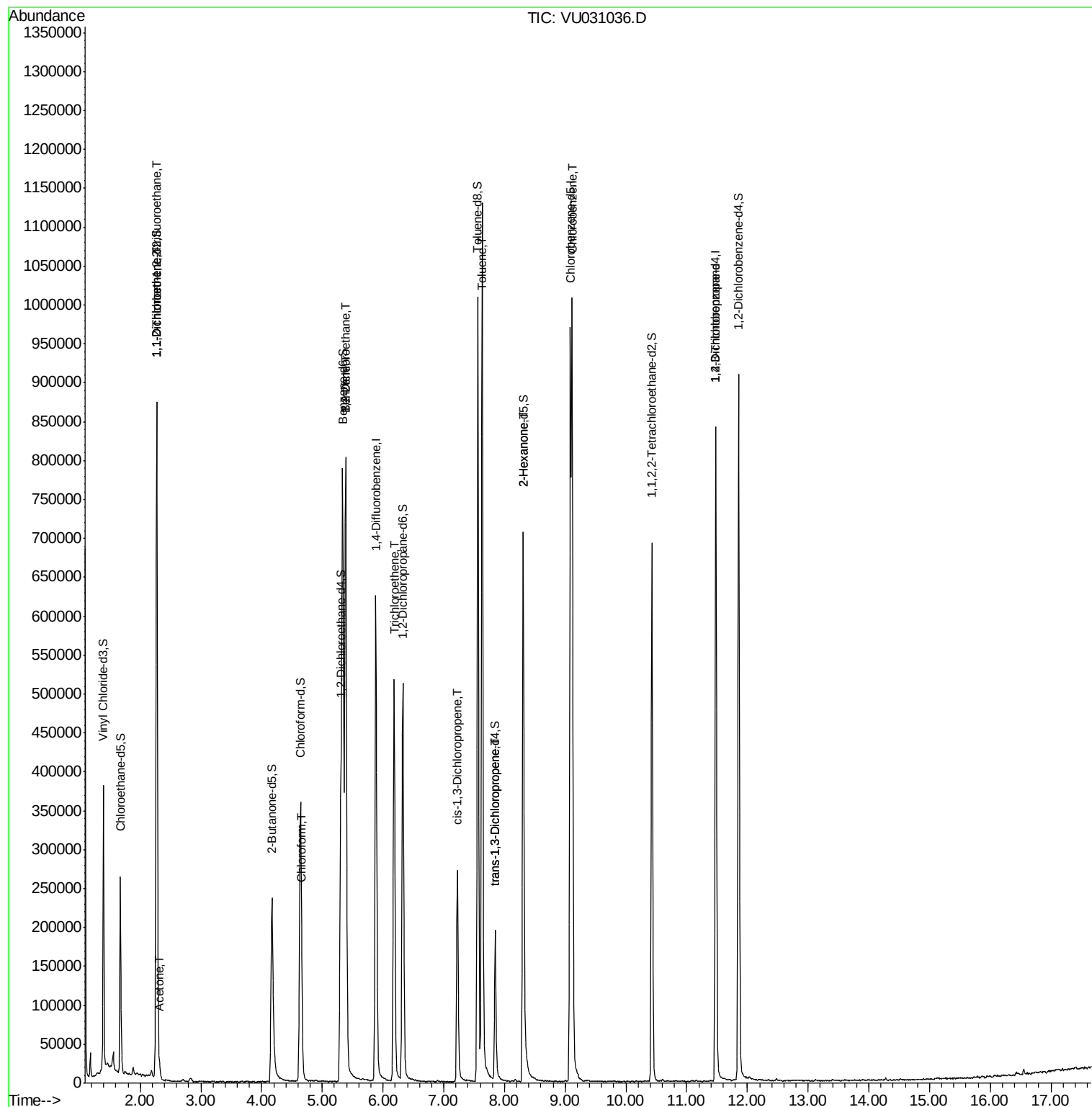
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3198	0.861	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	161411	45.013	ug/L	94
13) Acetone	2.32	43	16336	4.350	ug/L	98
25) Chloroform	4.67	83	17127	2.169	ug/L	100
27) 1,2-Dichloroethane	5.38	62	6366	1.056	ug/L #	75
33) Benzene	5.38	78	795124	47.745	ug/L	100
34) Trichloroethene	6.18	95	189097	46.295	ug/L	96
39) cis-1,3-Dichloropropene	7.22	75	6887	1.026	ug/L	88
42) Toluene	7.63	91	820848	48.287	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	4044	0.684	ug/L #	76
48) 2-Hexanone	8.31	43	30578	5.168	ug/L #	74
51) Chlorobenzene	9.12	112	512895	49.193	ug/L	98
59) 1,2,3-Trichloropropane	11.48	75	27155	4.808	ug/L	95

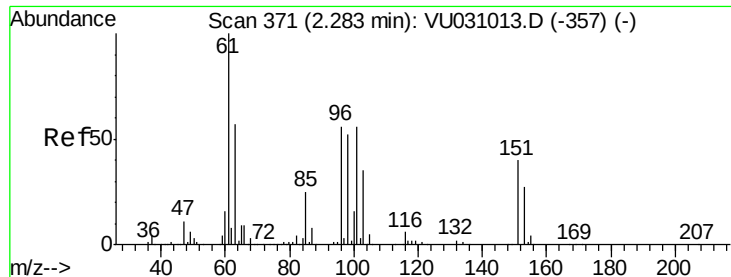
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.861 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031036.D

Acq: 11 Apr 2019 00:54

Instrument :

MSVOA_U

ClientSampleId :

DB6Z7MSD

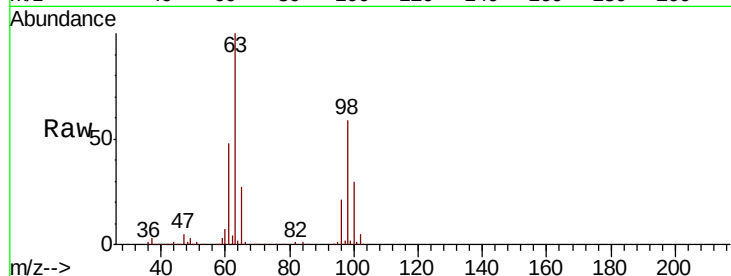
Tot Ion:101 Resp: 3198

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

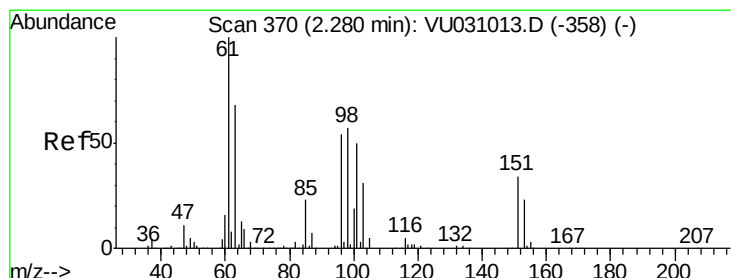
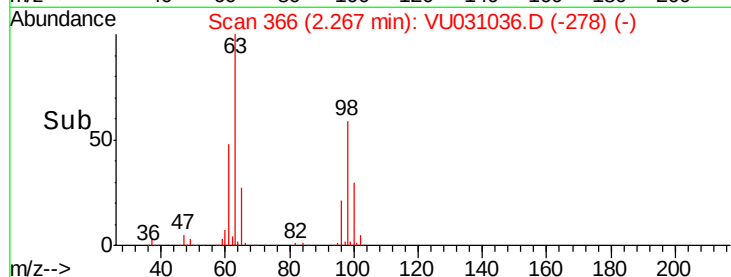
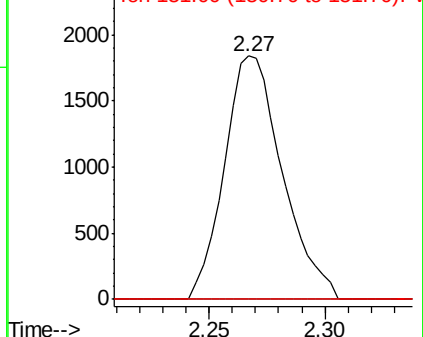
151 0.0 57.4 86.0#



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: 45.013 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031036.D

Acq: 11 Apr 2019 00:54

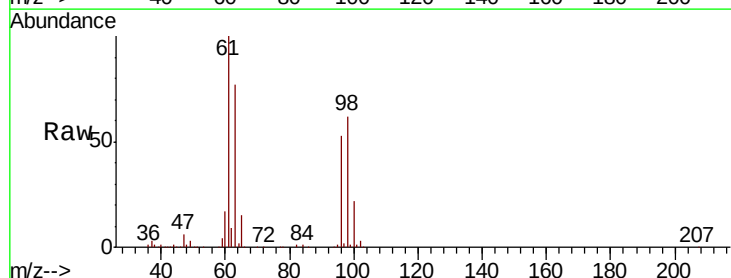
Tgt Ion: 96 Resp: 161411

Ion Ratio Lower Upper

96 100

61 189.1 132.0 245.2

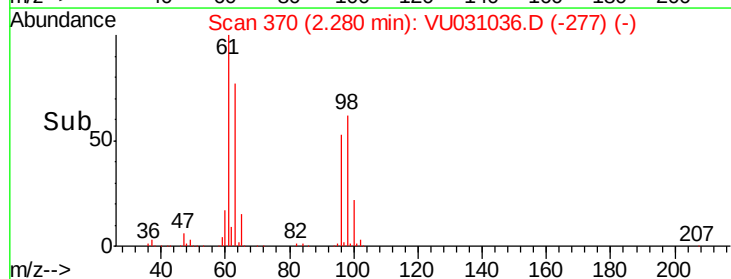
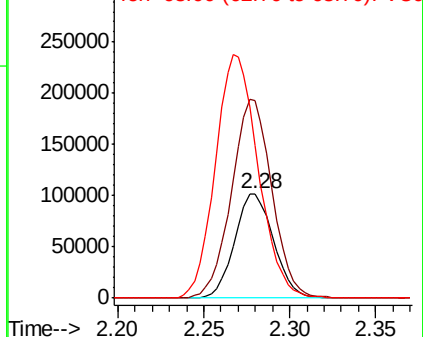
63 146.5 90.9 168.9

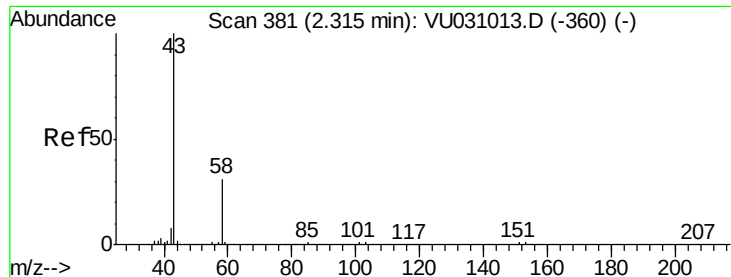


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.350 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031036.D

Acq: 11 Apr 2019 00:54

Instrument :

MSVOA_U

ClientSampleId :

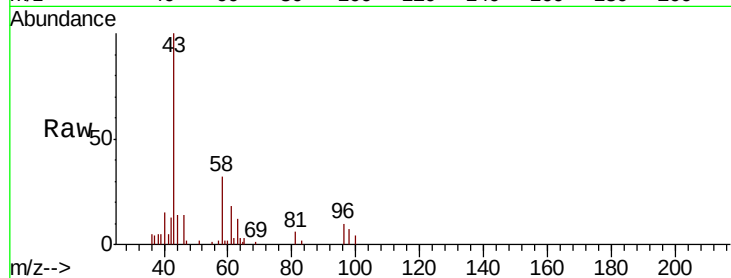
DB6Z7MSD

Tot Ion: 43 Resp: 16336

Ion Ratio Lower Upper

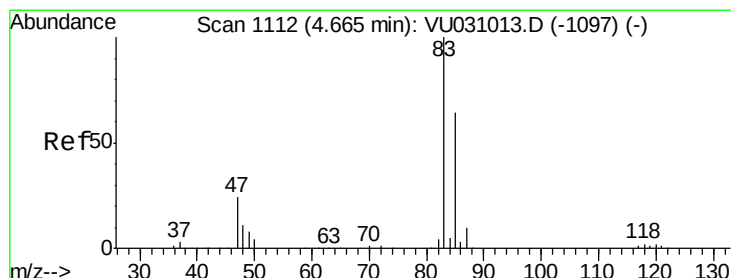
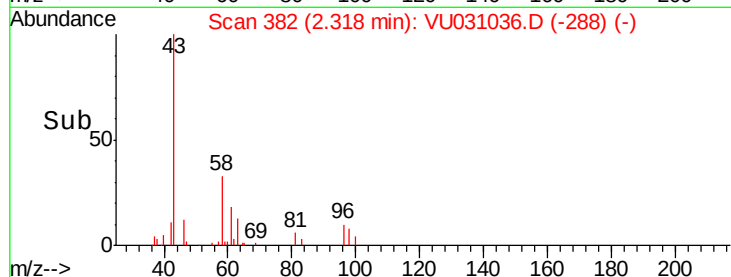
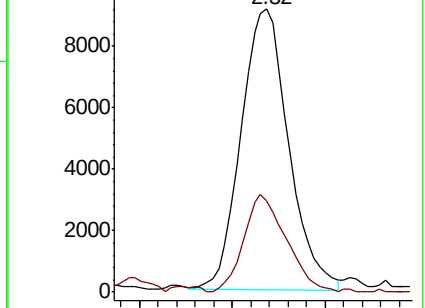
43 100

58 31.0 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031013.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU031013.D (-360) (-)



#25

Chloroform

Concen: 2.169 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031036.D

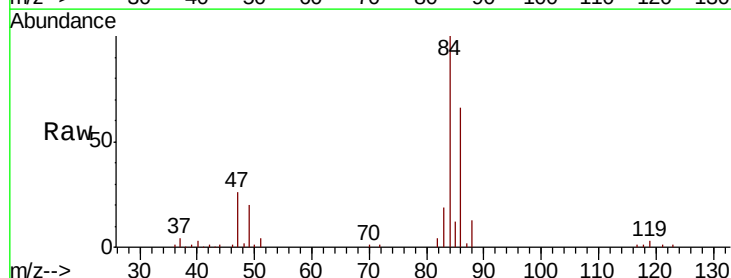
Acq: 11 Apr 2019 00:54

Tgt Ion: 83 Resp: 17127

Ion Ratio Lower Upper

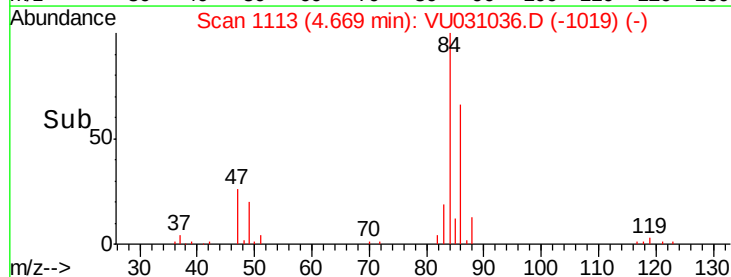
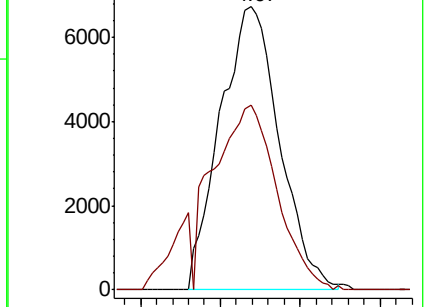
83 100

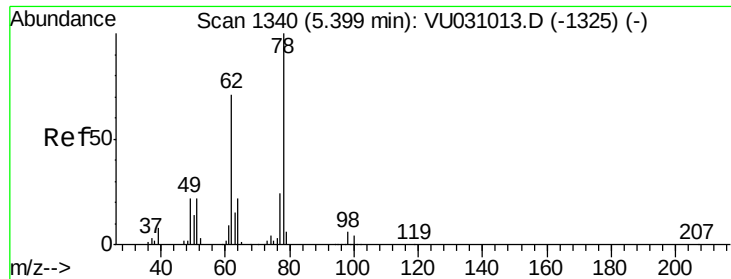
85 65.4 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU031013.D (-1097) (-)

Ion 85.00 (84.70 to 85.70): VU031013.D (-1097) (-)

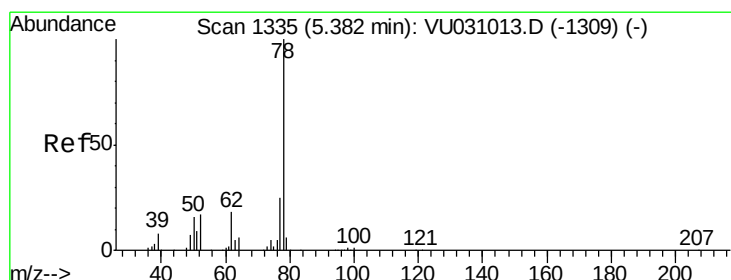
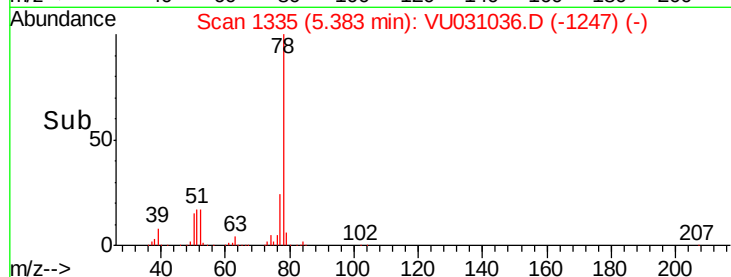
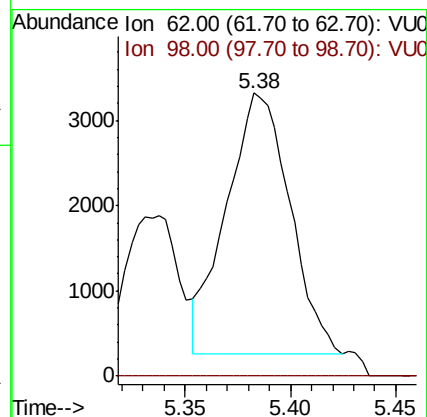
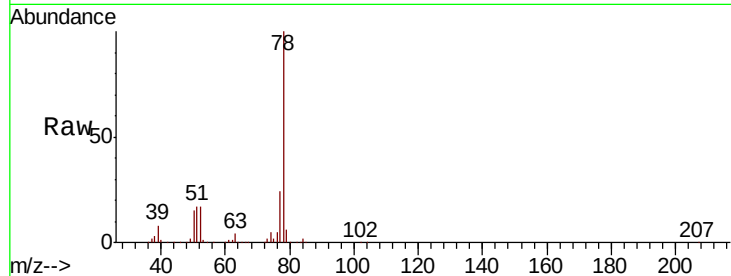




#27
 1,2-Dichloroethane
 Concen: 1.056 ug/L
 RT: 5.38 min Scan# 1335
 Delta R.T. -0.02 min
 Lab File: VU031036.D
 Acq: 11 Apr 2019 00:54

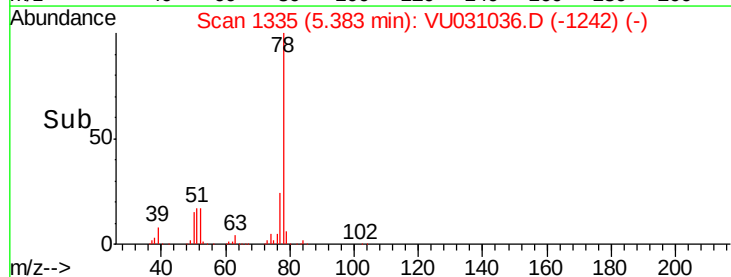
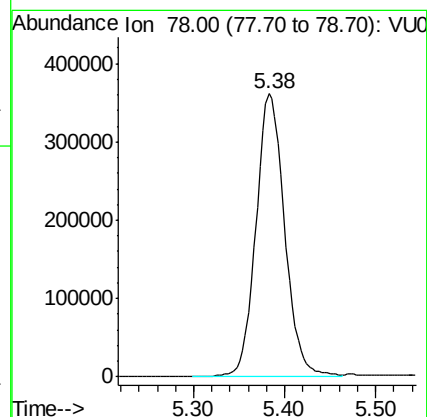
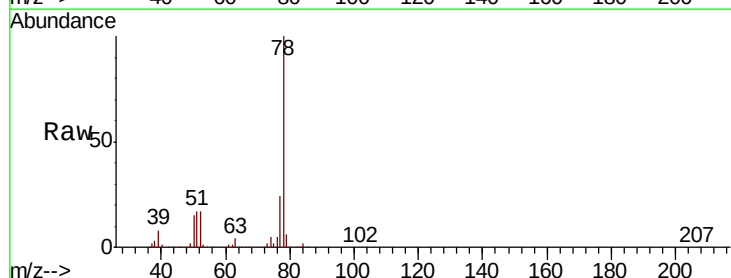
Instrument :
 MSVOA_U
 ClientSampleId :
 DB6Z7MSD

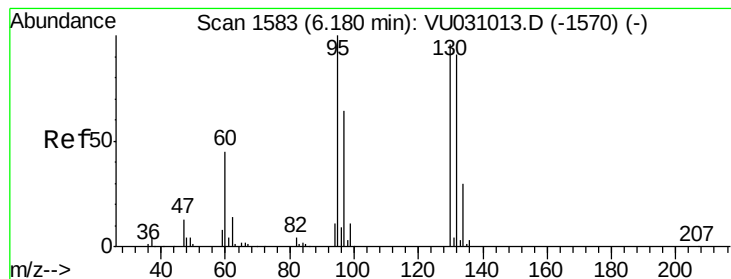
Tot Ion: 62 Resp: 6366
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#33
 Benzene
 Concen: 47.745 ug/L
 RT: 5.38 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VU031036.D
 Acq: 11 Apr 2019 00:54

Tgt Ion: 78 Resp: 795124





#34

Trichloroethene

Concen: 46.295 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031036.D

Acq: 11 Apr 2019 00:54

Instrument :

MSVOA_U

ClientSampleId :

DB6Z7MSD

Tot Ion: 95 Resp: 189097

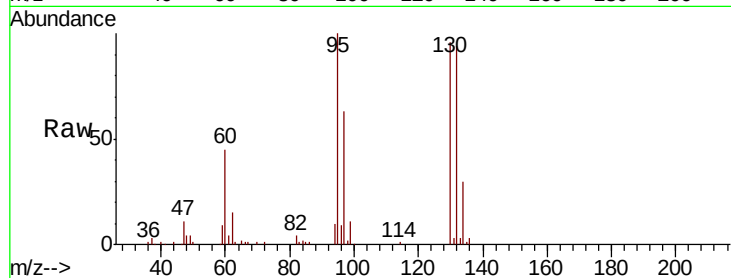
Ion Ratio Lower Upper

95 100

97 62.9 44.5 82.7

132 93.5 61.5 114.1

130 95.9 64.9 120.5

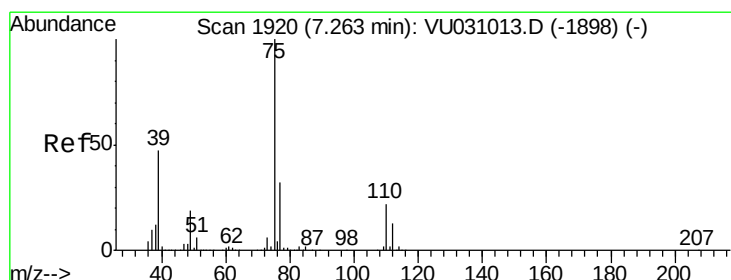
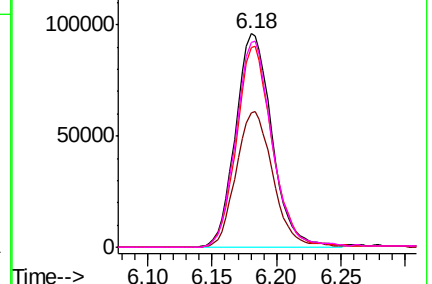
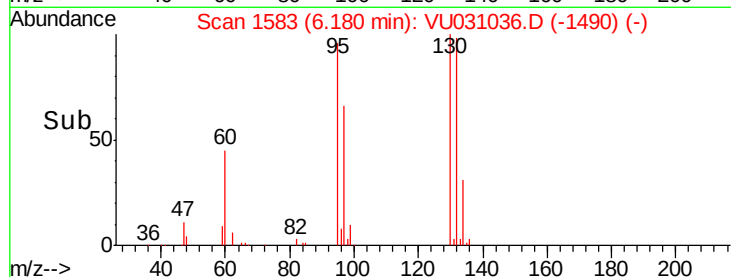


Abundance Ion 95.00 (94.70 to 95.70): VU031013.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU031013.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU031013.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU031013.D (-1570) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.026 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU031036.D

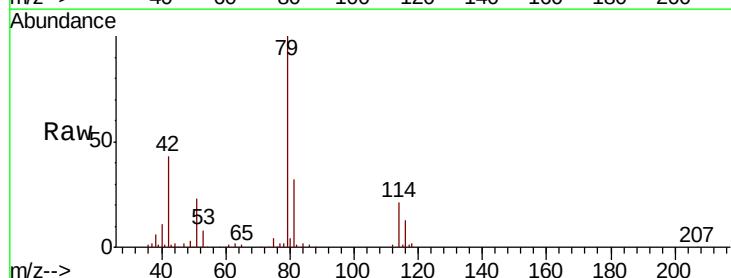
Acq: 11 Apr 2019 00:54

Tgt Ion: 75 Resp: 6887

Ion Ratio Lower Upper

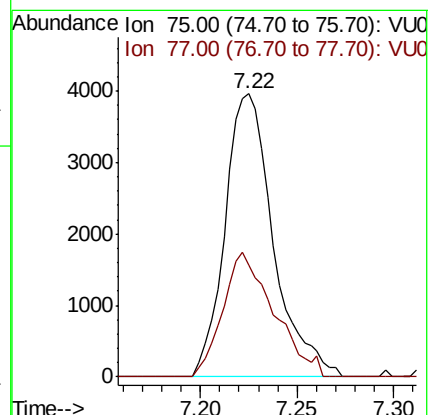
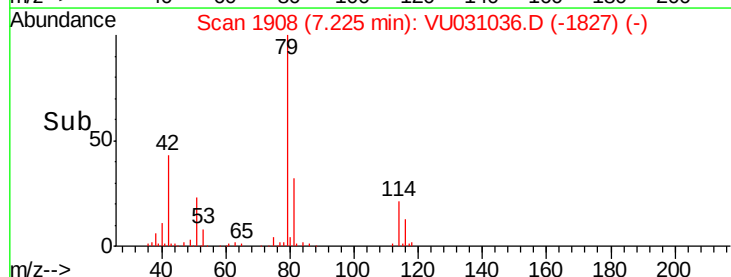
75 100

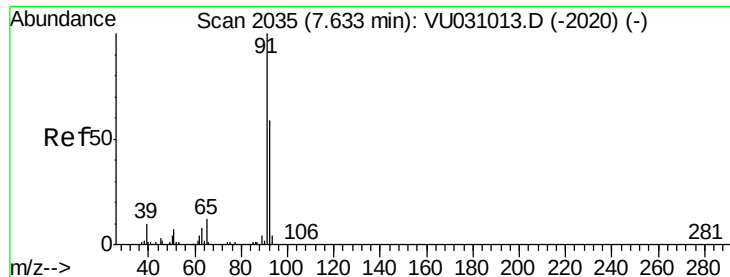
77 39.7 23.1 42.9



Abundance Ion 75.00 (74.70 to 75.70): VU031013.D (-1898) (-)

Ion 77.00 (76.70 to 77.70): VU031013.D (-1898) (-)





#42

Toluene

Concen: 48.287 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031036.D

Acq: 11 Apr 2019 00:54

Instrument :

MSVOA_U

ClientSampleId :

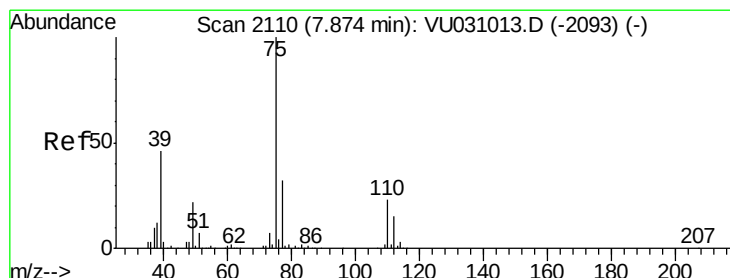
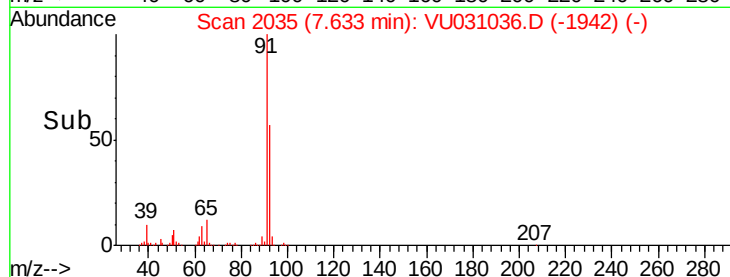
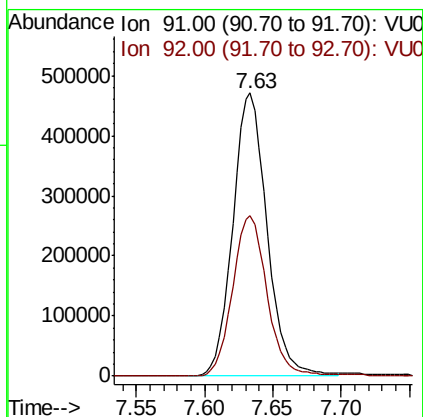
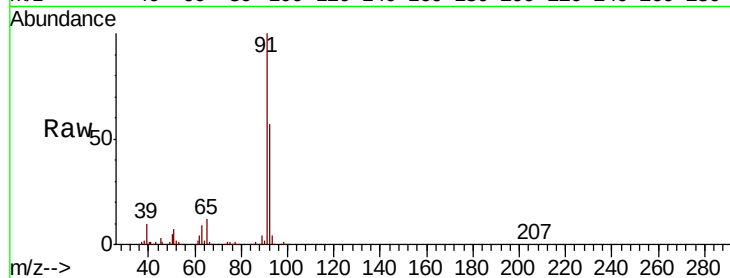
DB6Z7MSD

Tot Ion: 91 Resp: 820848

Ion Ratio Lower Upper

91 100

92 56.6 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 0.684 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU031036.D

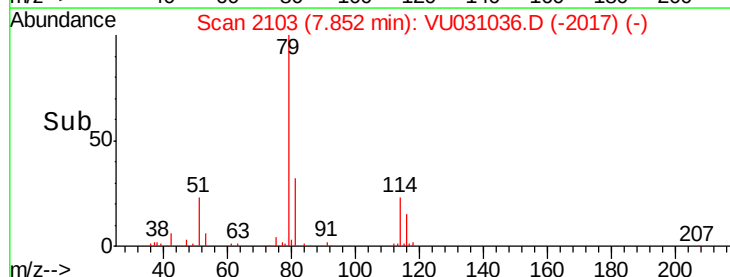
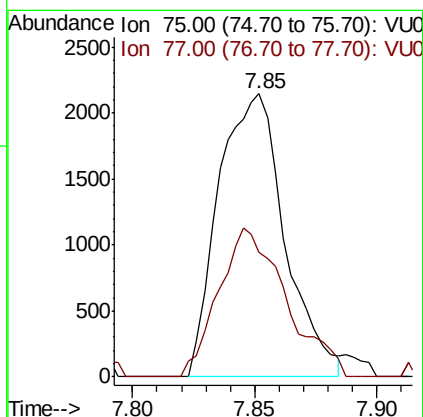
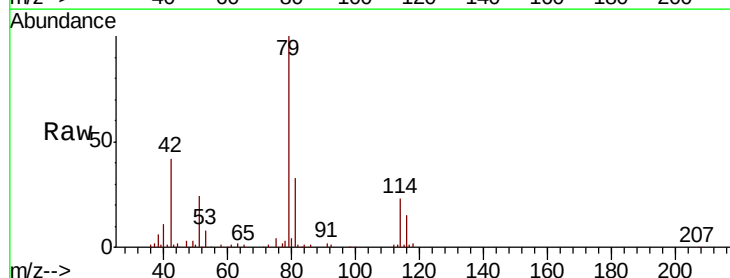
Acq: 11 Apr 2019 00:54

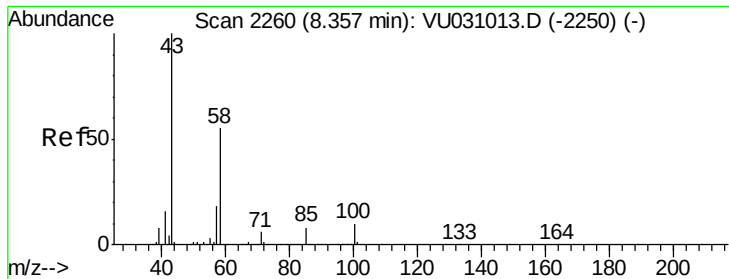
Tgt Ion: 75 Resp: 4044

Ion Ratio Lower Upper

75 100

77 44.1 21.6 40.0#

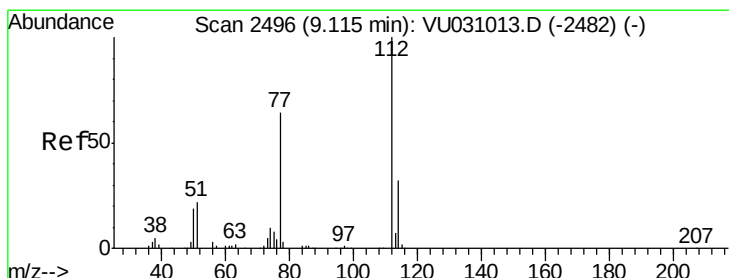
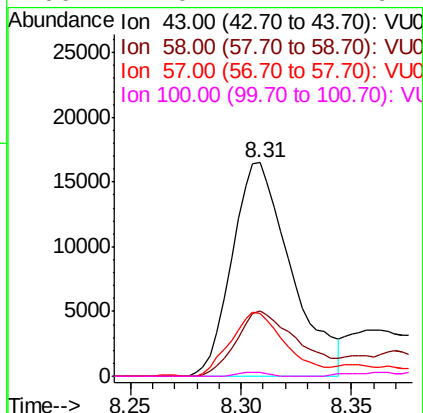
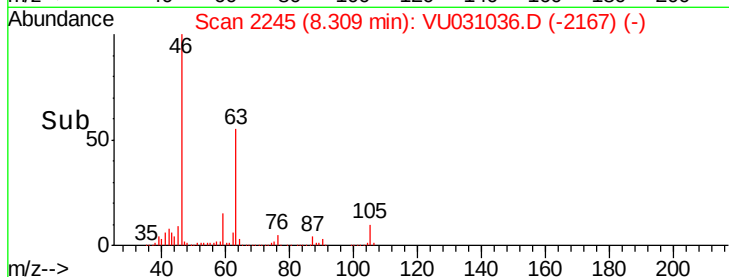
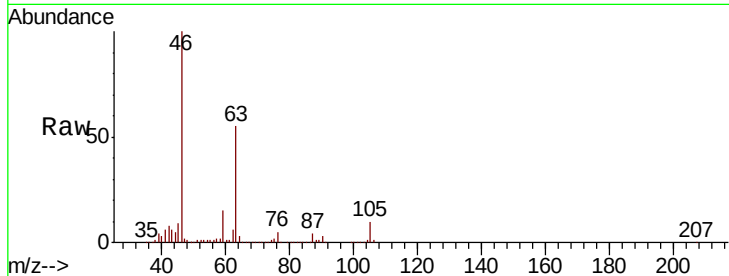




#48
2-Hexanone
Concen: 5.168 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU031036.D
Acq: 11 Apr 2019 00:54

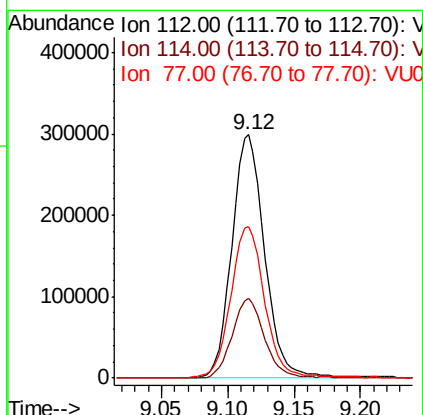
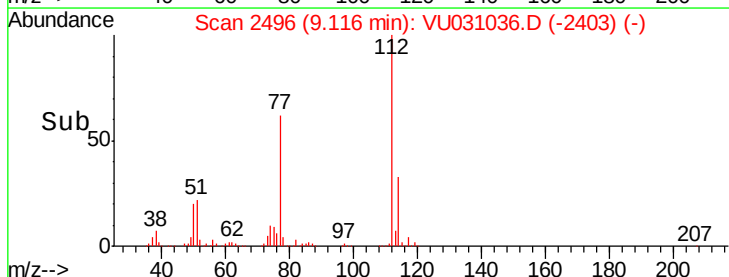
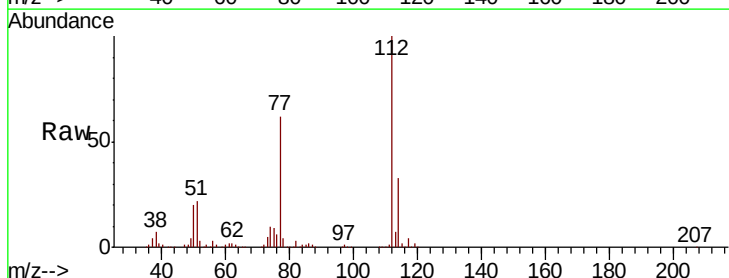
Instrument :
MSVOA_U
ClientSampleId :
DB6Z7MSD

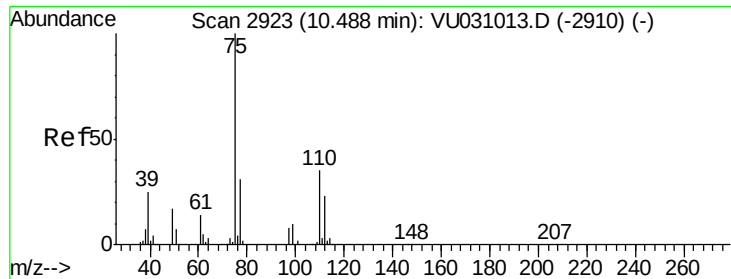
Tot Ion: 43 Resp: 30578
Ion Ratio Lower Upper
43 100
58 32.6 41.9 62.9#
57 27.8 14.3 21.5#
100 1.0 7.1 10.7#



#51
Chlorobenzene
Concen: 49.193 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031036.D
Acq: 11 Apr 2019 00:54

Tgt Ion: 112 Resp: 512895
Ion Ratio Lower Upper
112 100
114 32.5 22.2 41.2
77 62.4 51.7 77.5





#59

1,2,3-Trichloropropane

Concen: 4.808 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031036.D

Acq: 11 Apr 2019 00:54

Instrument :

MSVOA_U

ClientSampleId :

DB6Z7MSD

Tot Ion: 75 Resp: 27155

Ion Ratio Lower Upper

75 100

77 35.5 26.1 39.1

