

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031035.D
 Acq On : 11 Apr 2019 00:31
 Operator : JC/SP
 Sample : K2299-20MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6Z7MS

Quant Time: Apr 11 05:25:32 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	519502	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	505287	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	216527	50.00	ug/L	0.00

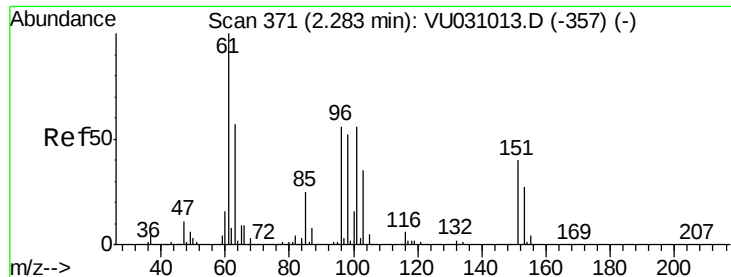
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	222517	47.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.96%
7) Chloroethane-d5	1.68	69	182457	51.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.68%
11) 1,1-Dichloroethene-d2	2.27	63	422506	50.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.74%
21) 2-Butanone-d5	4.17	46	377975	102.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.84%
24) Chloroform-d	4.64	84	367705	51.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.82%
26) 1,2-Dichloroethane-d4	5.31	65	256109	52.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.96%
32) Benzene-d6	5.33	84	779014	52.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.62%
36) 1,2-Dichloropropane-d6	6.32	67	261632	51.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.52%
41) Toluene-d8	7.56	98	676312	51.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.46%
43) trans-1,3-Dichloropropene-	7.85	79	116946	50.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.46%
47) 2-Hexanone-d5	8.31	63	242494	104.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.95%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	352770	51.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	240615	56.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3342	0.898	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	161498	44.972	ug/L	93
13) Acetone	2.32	43	8944	2.378	ug/L	98
25) Chloroform	4.67	83	15436	1.952	ug/L	92
27) 1,2-Dichloroethane	5.39	62	6452	1.069	ug/L #	75
33) Benzene	5.38	78	776744	46.975	ug/L	100
34) Trichloroethene	6.18	95	187477	46.227	ug/L	98
42) Toluene	7.63	91	809079	47.935	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	4236	0.721	ug/L #	71
48) 2-Hexanone	8.31	43	28543	4.859	ug/L #	82
51) Chlorobenzene	9.12	112	513614	49.615	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	26991	4.813	ug/L	96

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



#10

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

Concen: 0.898 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031035.D

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Instrument :

MSVOA_U

ClientSampleId :

DB6Z7MS

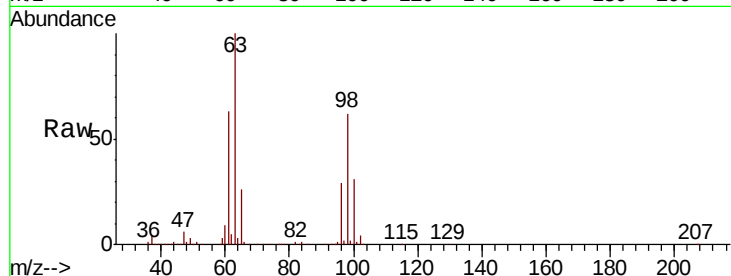
Tot Ion:101 Resp: 3342

Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

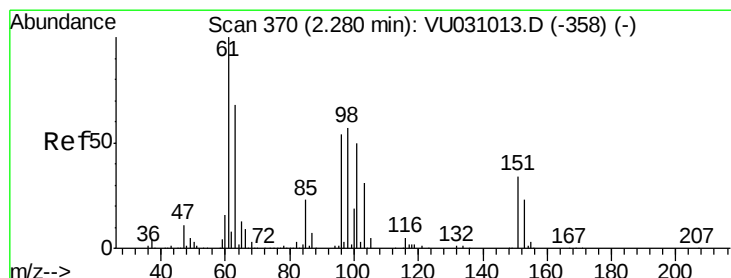
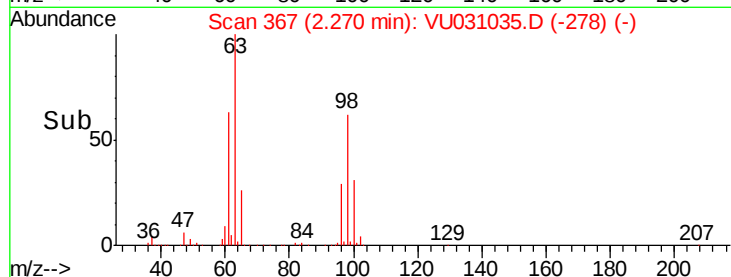
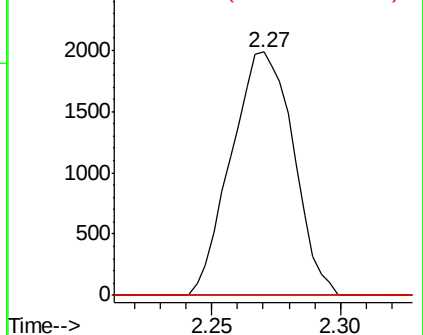
151 0.0 57.4 86.0#



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: 44.972 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031035.D

Acq: 11 Apr 2019 00:31

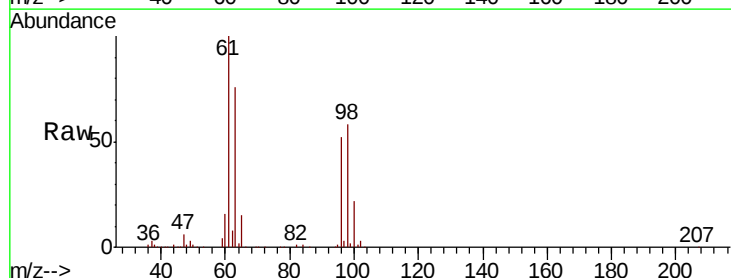
Tgt Ion: 96 Resp: 161498

Ion Ratio Lower Upper

96 100

61 192.2 132.0 245.2

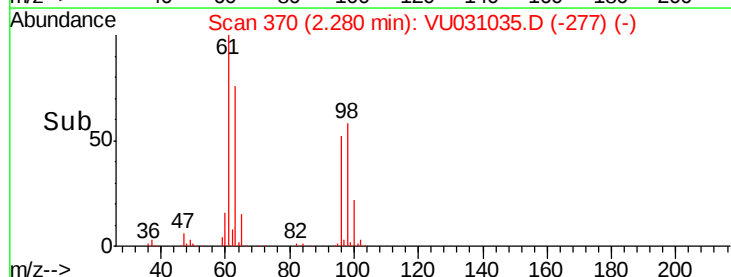
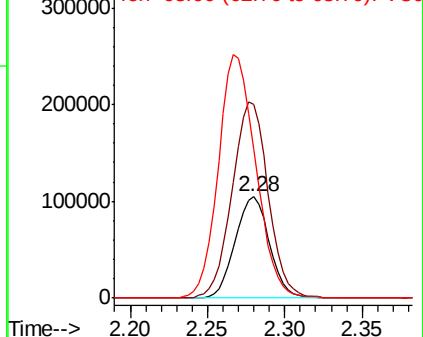
63 146.9 90.9 168.9

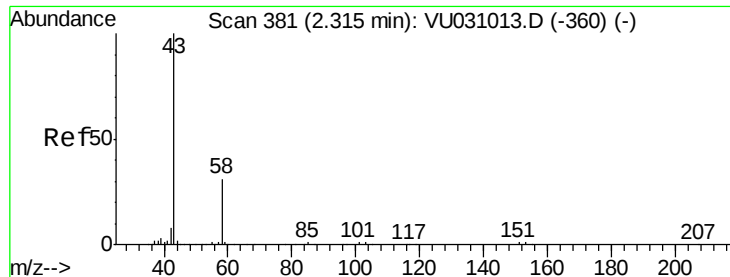


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.378 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU031035.D

Acq: 11 Apr 2019 00:31

Instrument :

MSVOA_U

ClientSampleId :

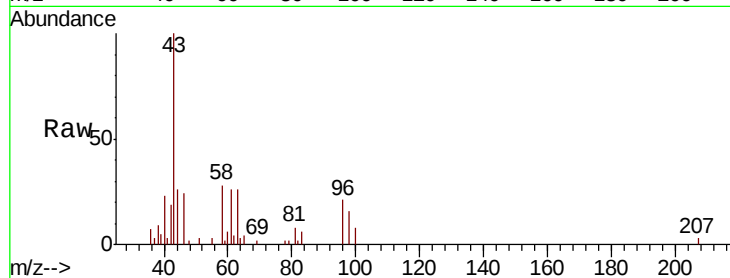
DB6Z7MS

Tot Ion: 43 Resp: 8944

Ion Ratio Lower Upper

43 100

58 30.6 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) (-)

2.32

6000

5000

4000

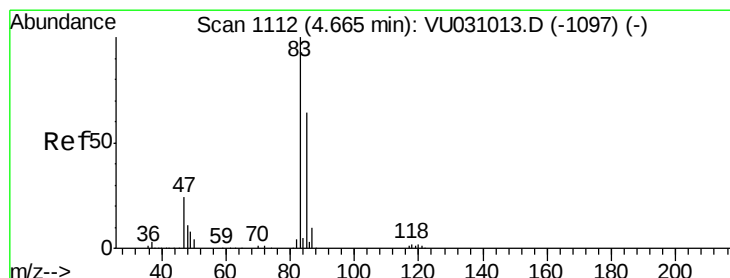
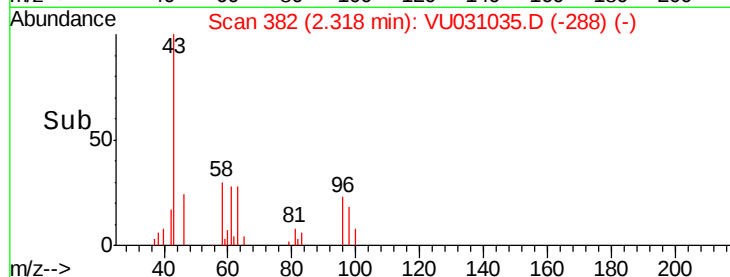
3000

2000

1000

0

Time--> 2.25 2.30 2.35



#25

Chloroform

Concen: 1.952 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031035.D

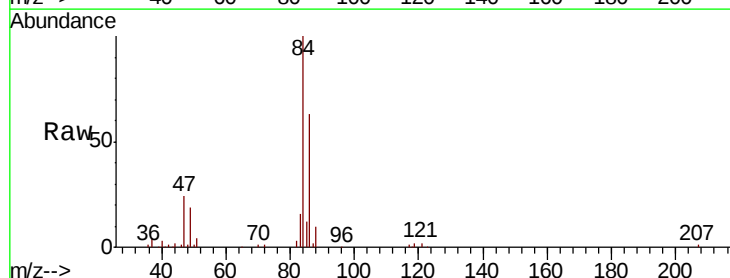
Acq: 11 Apr 2019 00:31

Tgt Ion: 83 Resp: 15436

Ion Ratio Lower Upper

83 100

85 71.4 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) (-)

4.67

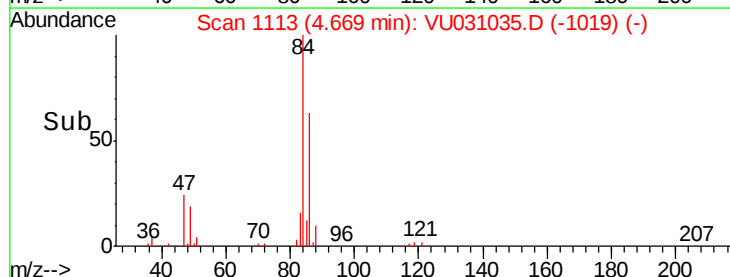
6000

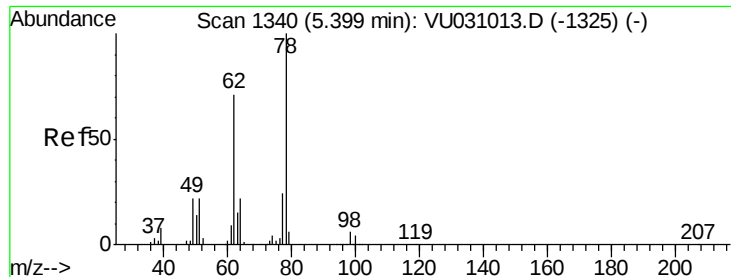
4000

2000

0

Time--> 4.60 4.65 4.70 4.75





#27

1,2-Dichloroethane

Concen: 1.069 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VU031035.D

Acq: 11 Apr 2019 00:31

Instrument :

MSVOA_U

ClientSampleId :

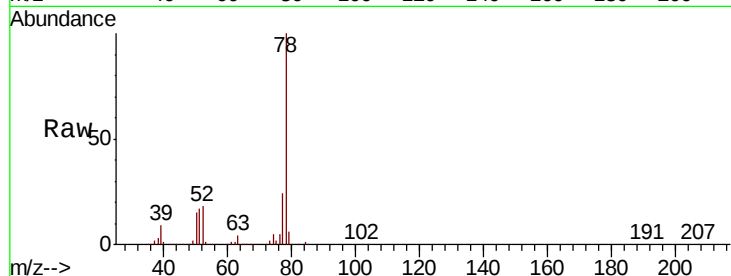
DB6Z7MS

Tot Ion: 62 Resp: 6452

Ion Ratio Lower Upper

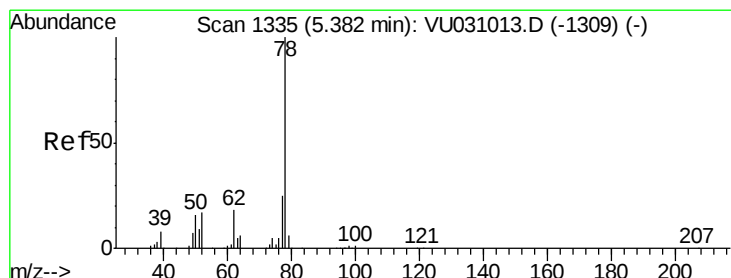
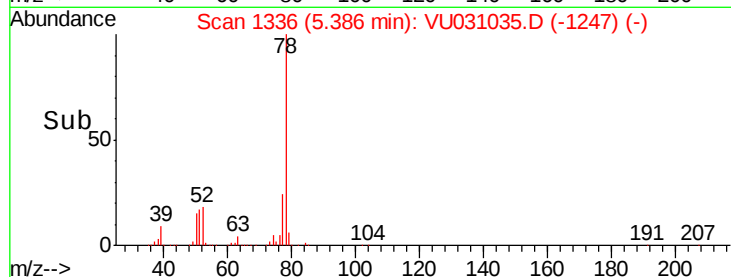
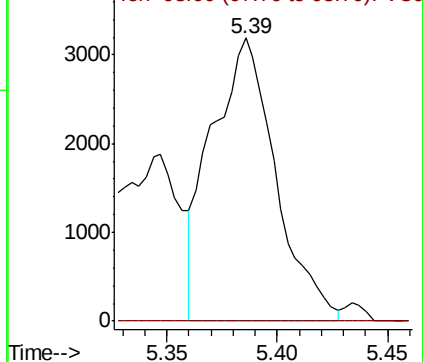
62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#33

Benzene

Concen: 46.975 ug/L

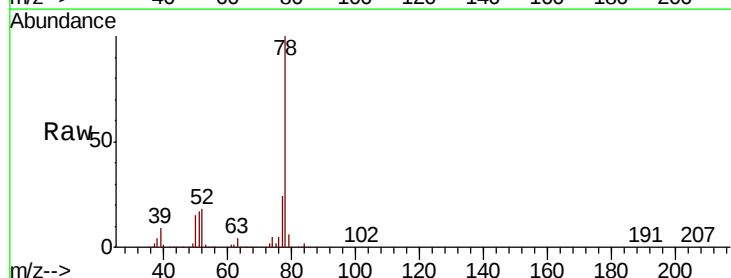
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

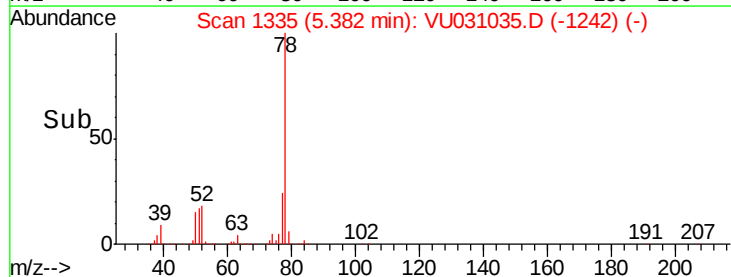
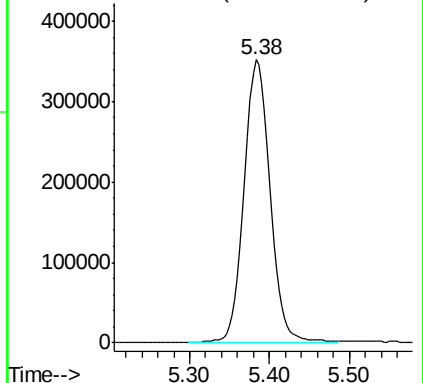
Lab File: VU031035.D

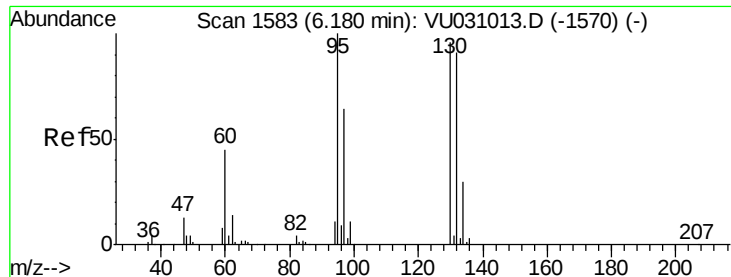
Acq: 11 Apr 2019 00:31

Tgt Ion: 78 Resp: 776744



Abundance Ion 78.00 (77.70 to 78.70): VU0

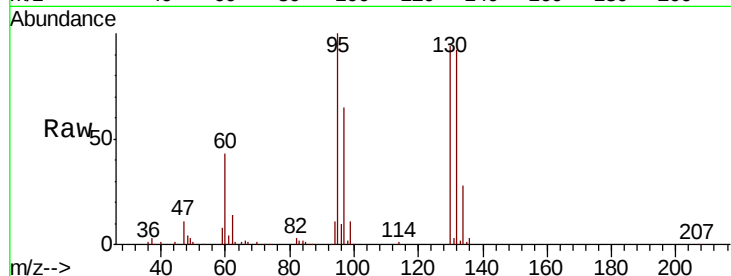




#34
 Trichloroethene
 Concen: 46.227 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU031035.D
 Acq: 11 Apr 2019 00:31

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6Z7MS

Tot Ion	95	Resp	187477
Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.5	82.7
132	91.8	61.5	114.1
130	93.8	64.9	120.5



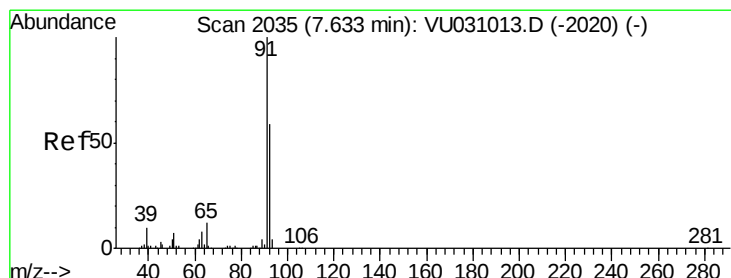
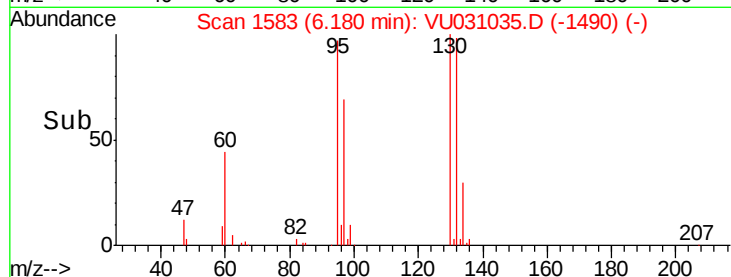
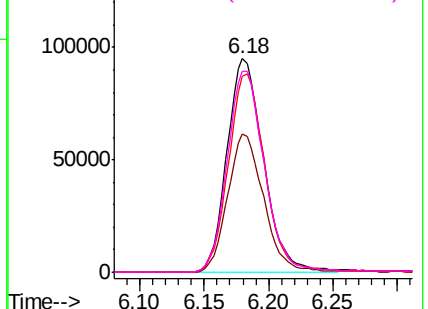
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

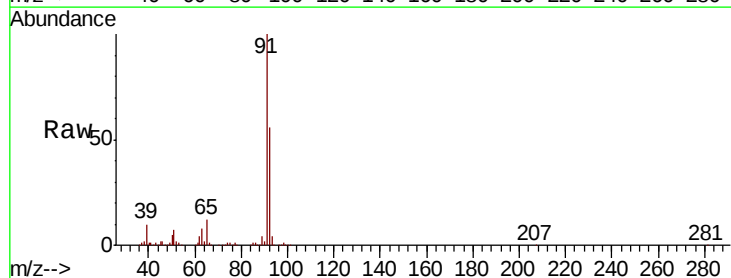
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42
 Toluene
 Concen: 47.935 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VU031035.D
 Acq: 11 Apr 2019 00:31

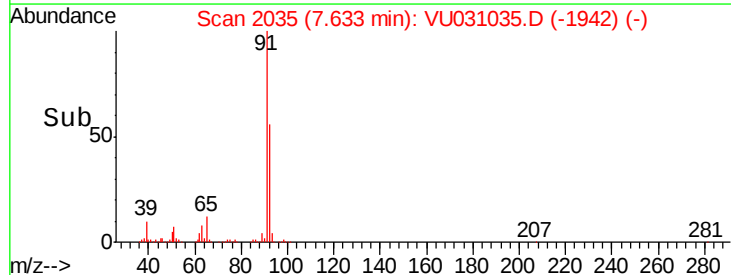
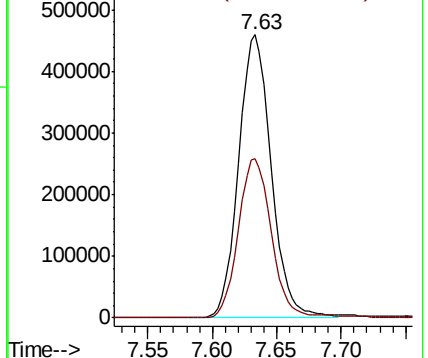
Tgt Ion	91	Resp	809079
Ion	Ratio	Lower	Upper
91	100		
92	56.3	40.0	74.4

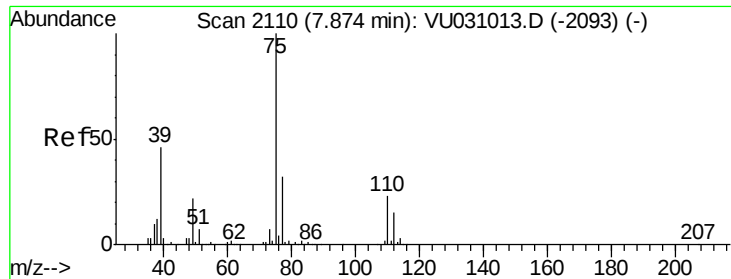


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

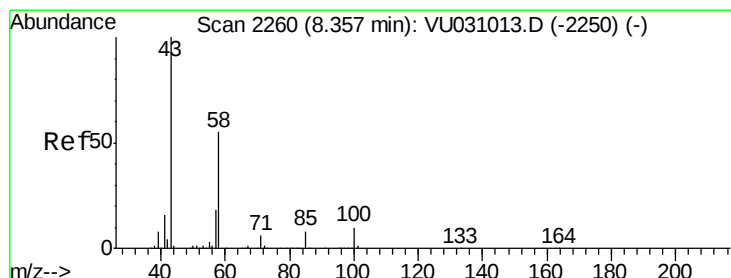
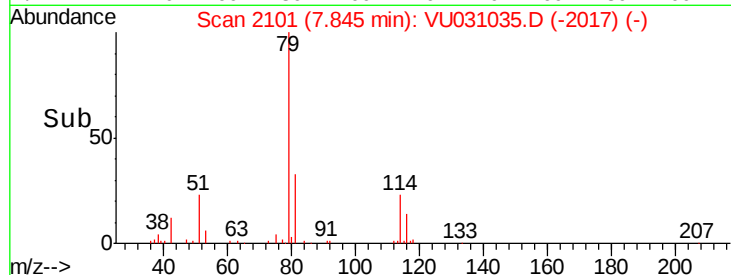
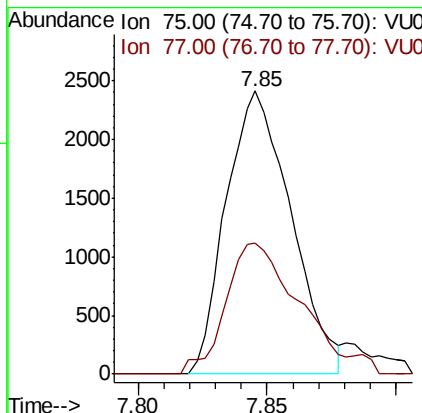
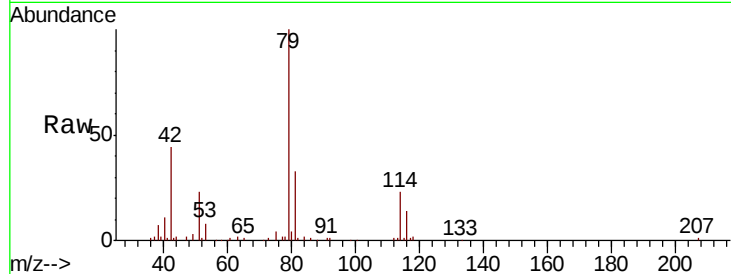




#44
trans-1,3-Dichloropropene
Concen: 0.721 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU031035.D
Acq: 11 Apr 2019 00:31

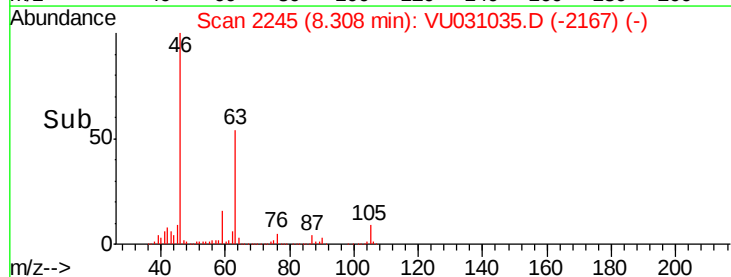
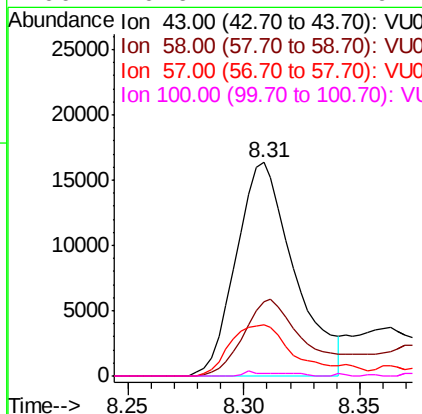
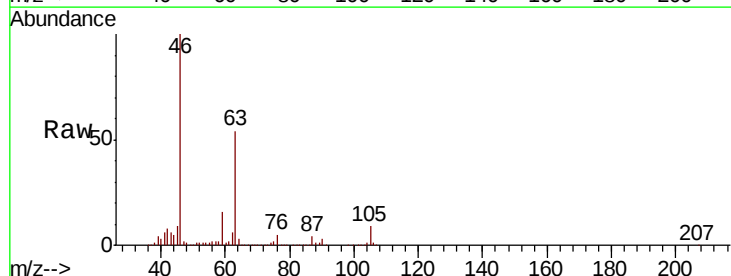
Instrument :
MSVOA_U
ClientSampled :
DB6Z7MS

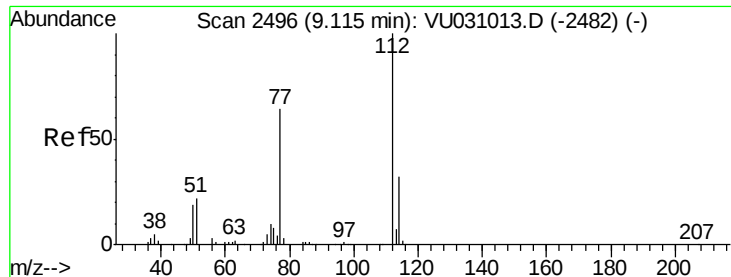
Tot Ion: 75 Resp: 4236
Ion Ratio Lower Upper
75 100
77 46.5 21.6 40.0#



#48
2-Hexanone
Concen: 4.859 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU031035.D
Acq: 11 Apr 2019 00:31

Tgt Ion: 43 Resp: 28543
Ion Ratio Lower Upper
43 100
58 40.7 41.9 62.9#
57 26.1 14.3 21.5#
100 0.6 7.1 10.7#

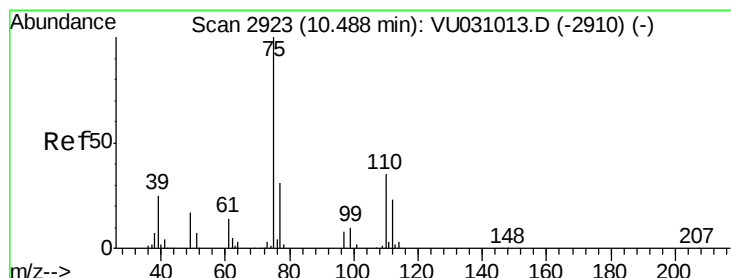
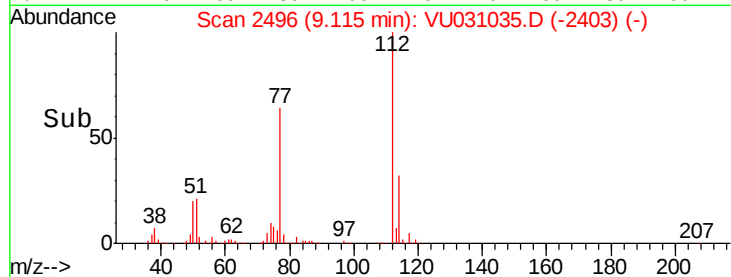
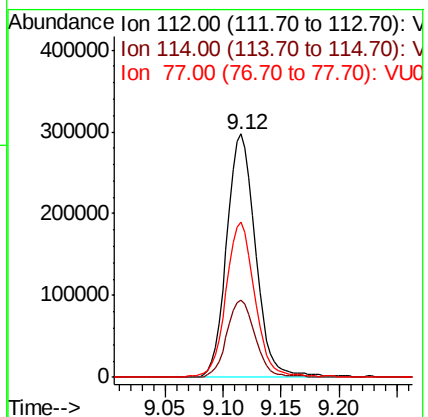
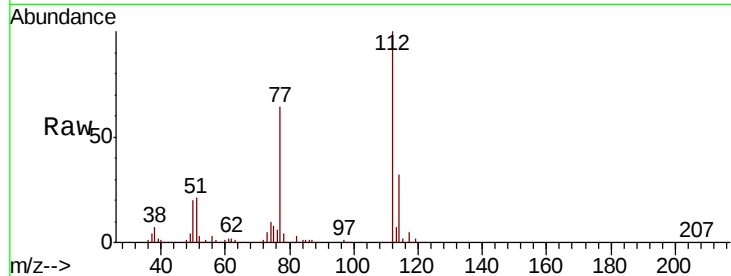




#51
Chlorobenzene
Concen: 49.615 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU031035.D
Acq: 11 Apr 2019 00:31

Instrument :
MSVOA_U
ClientSampleId :
DB6Z7MS

Tot Ion:112 Resp: 513614
Ion Ratio Lower Upper
112 100
114 31.9 22.2 41.2
77 63.7 51.7 77.5



#59
1,2,3-Trichloropropane
Concen: 4.813 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031035.D
Acq: 11 Apr 2019 00:31

Tgt Ion: 75 Resp: 26991
Ion Ratio Lower Upper
75 100
77 34.7 26.1 39.1

