

Data File : VU033414.D
Acq On : 25 Jul 2019 17:16
Operator : JC/SP
Sample : K3976-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CC8

Quant Time: Jul 26 05:52:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	275525	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	280326	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	122425	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	120178	57.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	115.24%
7) Chloroethane-d5	1.67	69	108738	61.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	122.06%
11) 1,1-Dichloroethene-d2	2.26	63	153644	40.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.22%
21) 2-Butanone-d5	4.15	46	147049	111.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.27%
24) Chloroform-d	4.62	84	197098	56.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.78%
26) 1,2-Dichloroethane-d4	5.29	65	129877	57.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.86%
32) Benzene-d6	5.32	84	405473	58.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.92%
36) 1,2-Dichloropropane-d6	6.31	67	128972	58.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	117.10%
41) Toluene-d8	7.55	98	367235	56.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.26%
43) trans-1,3-Dichloropropene-	7.83	79	59175	54.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.56%
47) 2-Hexanone-d5	8.30	63	99437	100.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.13%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	185928	55.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.52%
64) 1,2-Dichlorobenzene-d4	11.85	152	137173	62.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	125.66%#

Target Compounds

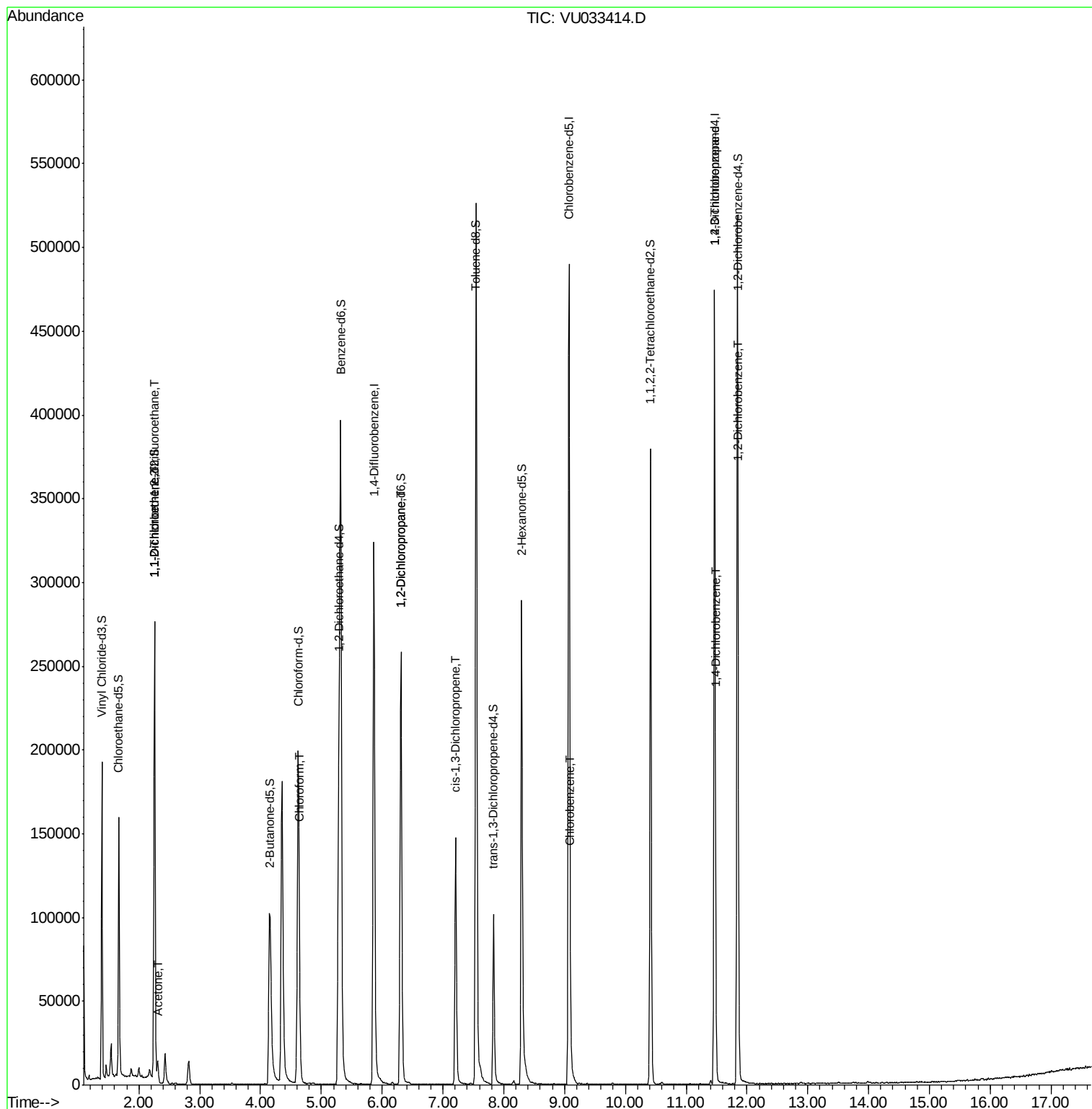
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1516	0.807 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1229	0.668 ug/L #	1
13) Acetone	2.31	43	12178	7.375 ug/L	100
25) Chloroform	4.65	83	5603	1.442 ug/L	89
37) 1,2-Dichloropropane	6.31	63	13992	6.311 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	3789	1.115 ug/L #	74
51) Chlorobenzene	9.10	112	5766	1.002 ug/L	95
59) 1,2,3-Trichloropropane	11.47	75	16392	5.679 ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	3923	0.996 ug/L	94
65) 1,2-Dichlorobenzene	11.86	146	4818	1.247 ug/L #	88

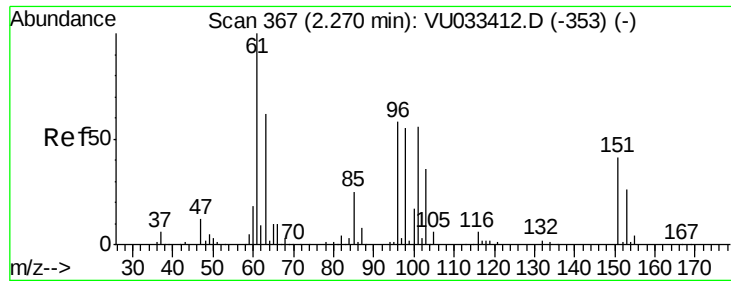
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU033414.D
Acq On : 25 Jul 2019 17:16
Operator : JC/SP
Sample : K3976-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CC8

Quant Time: Jul 26 05:52:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 05:48:12 2019
Response via : Initial Calibration





#10

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

Concen: 0.807 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033414.D

Acq: 25 Jul 2019 17:16

Instrument :

MSVOA_U

ClientSampleId :

C0CC8

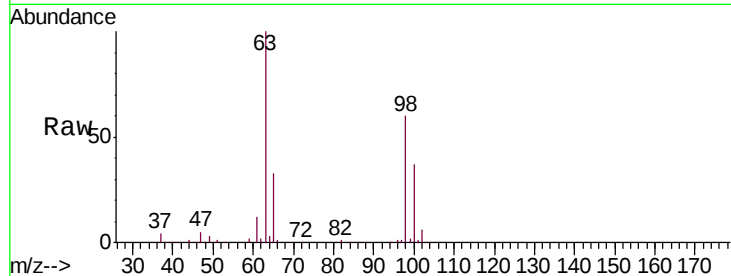
Tgt Ion:101 Resp: 1516

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

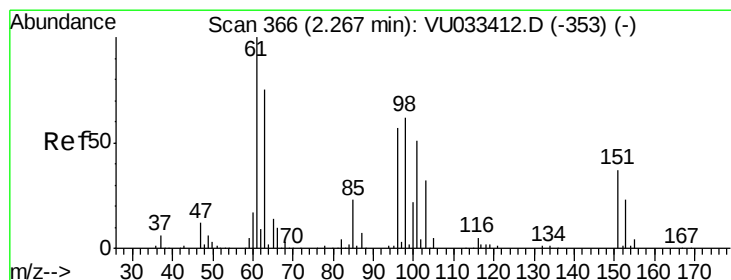
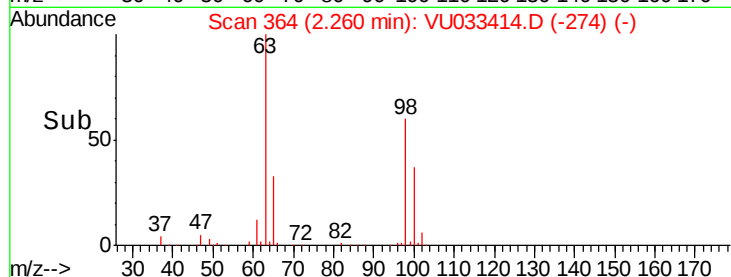
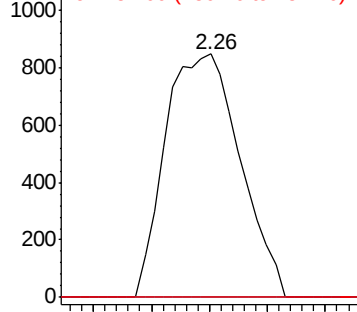
151 0.0 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VUC

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.668 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033414.D

Acq: 25 Jul 2019 17:16

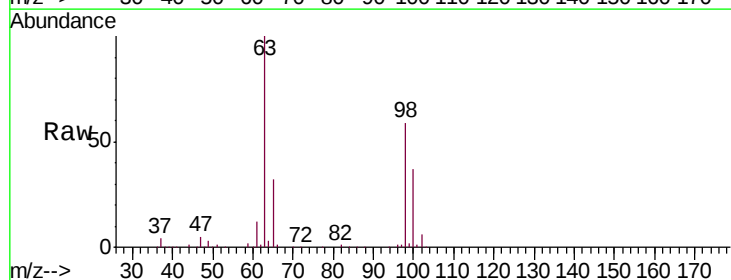
Tgt Ion: 96 Resp: 1229

Ion Ratio Lower Upper

96 100

61 1569.0 126.1 234.1#

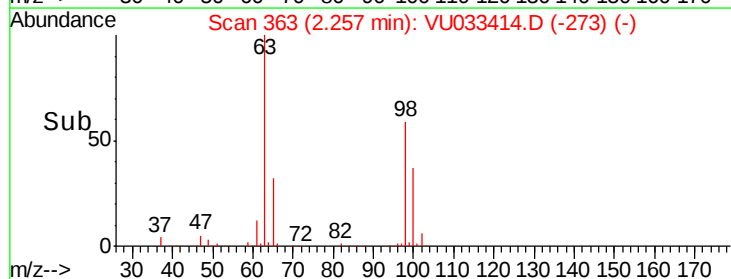
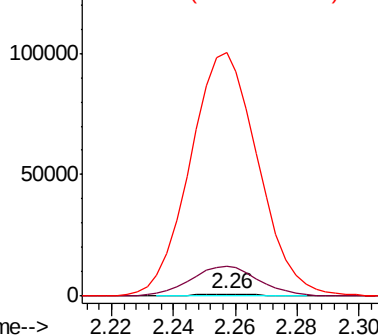
63 12753.2 96.8 179.8#

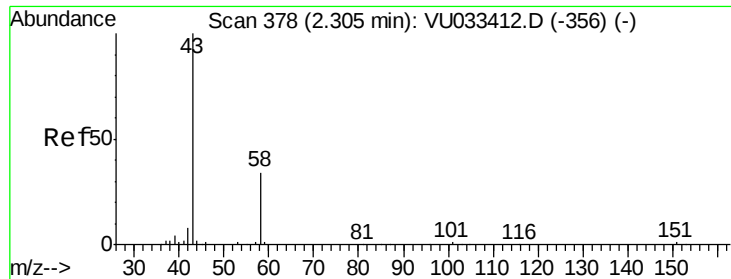


Abundance Ion 96.00 (95.70 to 96.70): VUC

Ion 61.00 (60.70 to 61.70): VUC

Ion 63.00 (62.70 to 63.70): VUC





#13

Acetone

Concen: 7.375 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU033414.D

Acq: 25 Jul 2019 17:16

Instrument :

MSVOA_U

ClientSampleId :

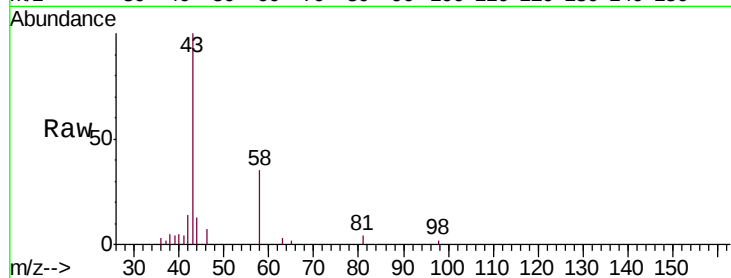
C0CC8

Tgt Ion: 43 Resp: 12178

Ion Ratio Lower Upper

43 100

58 32.5 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033414.D (-378) (-)

Ion 58.00 (57.70 to 58.70): VU033414.D (-378) (-)

2.31

8000

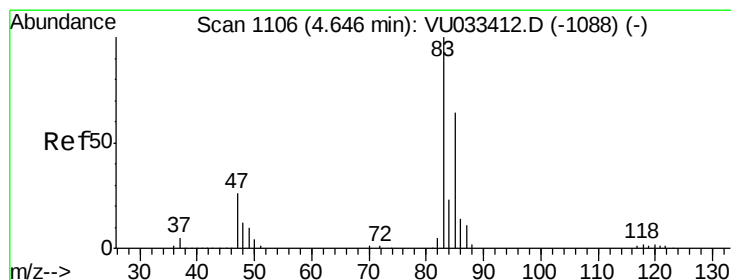
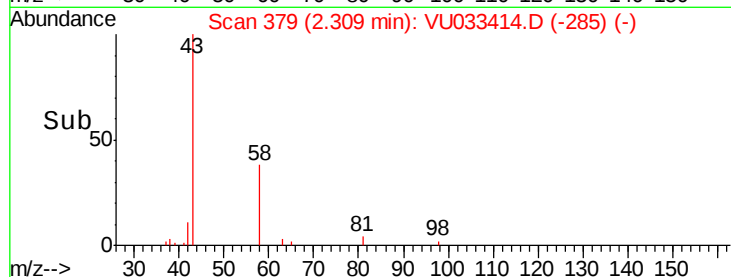
6000

4000

2000

0

Time-->



#25

Chloroform

Concen: 1.442 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033414.D

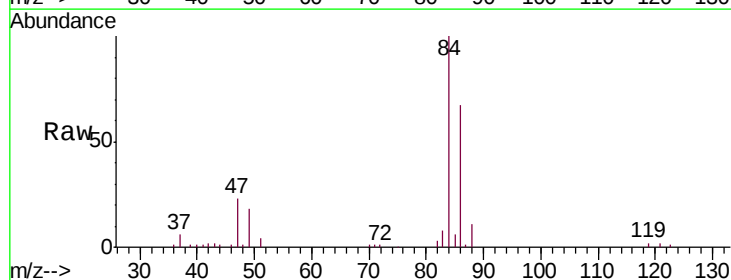
Acq: 25 Jul 2019 17:16

Tgt Ion: 83 Resp: 5603

Ion Ratio Lower Upper

83 100

85 73.7 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU033414.D (-1106) (-)

Ion 85.00 (84.70 to 85.70): VU033414.D (-1106) (-)

4.65

2000

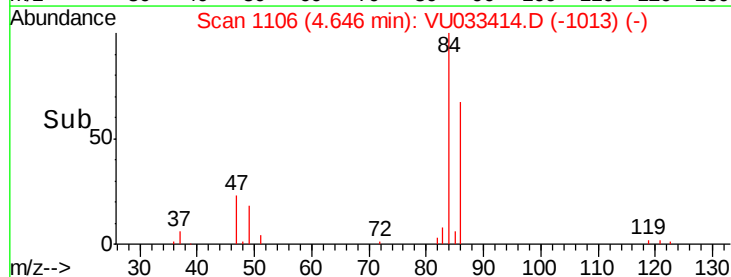
1500

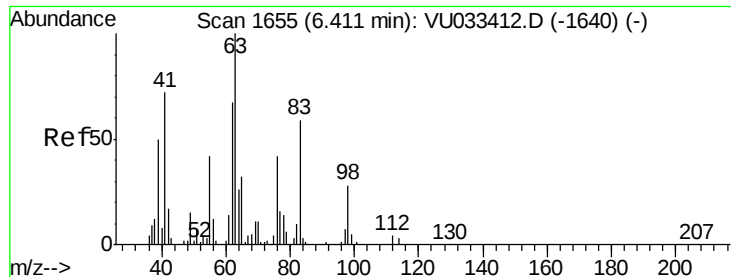
1000

500

0

Time-->

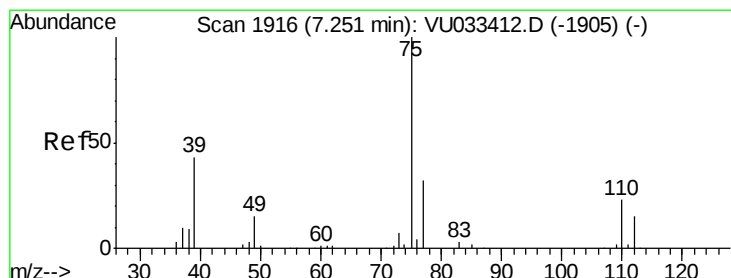
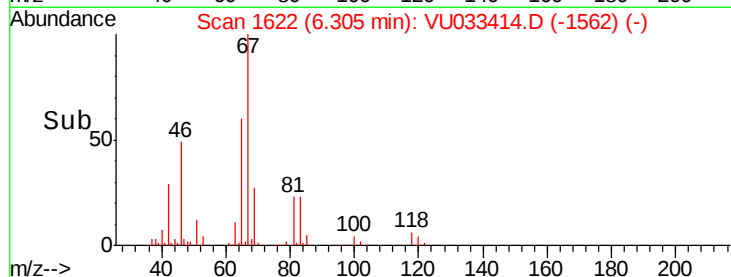
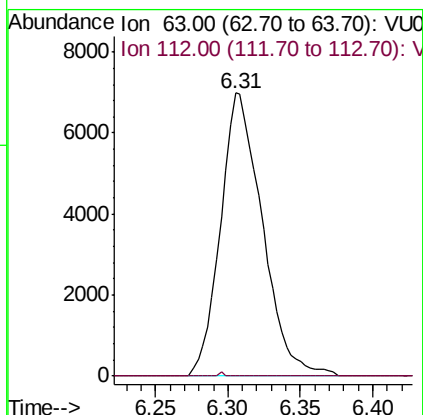
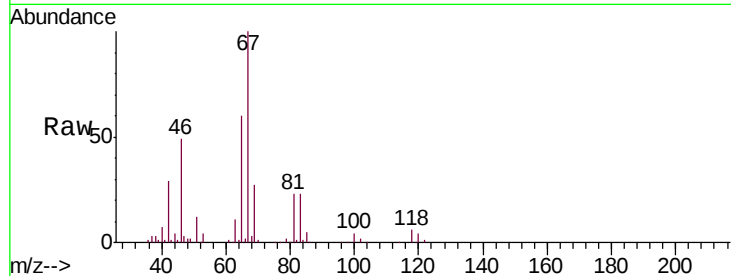




#37
 1,2-Dichloropropane
 Concen: 6.311 ug/L
 RT: 6.31 min Scan# 1622
 Delta R.T. -0.11 min
 Lab File: VU033414.D
 Acq: 25 Jul 2019 17:16

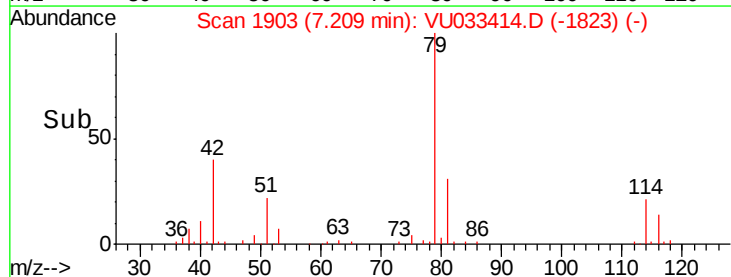
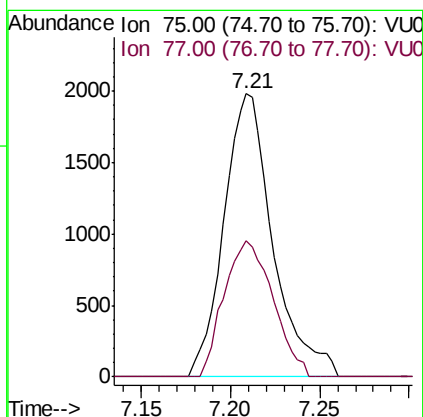
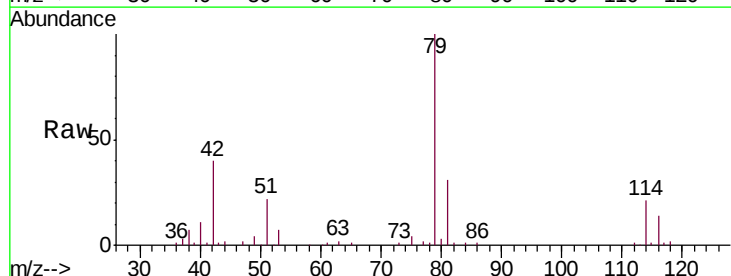
Instrument :
 MSVOA_U
 ClientSampleId :
 C0CC8

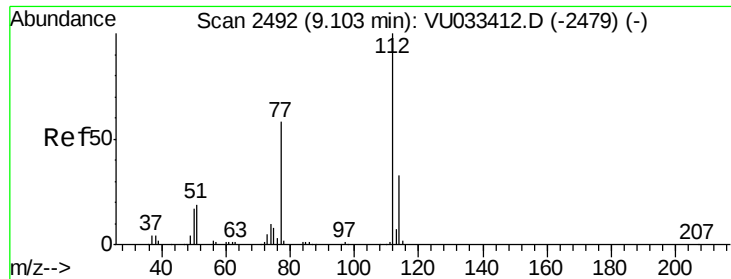
Tgt Ion: 63 Resp: 13992
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.115 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033414.D
 Acq: 25 Jul 2019 17:16

Tgt Ion: 75 Resp: 3789
 Ion Ratio Lower Upper
 75 100
 77 47.9 23.1 42.9#

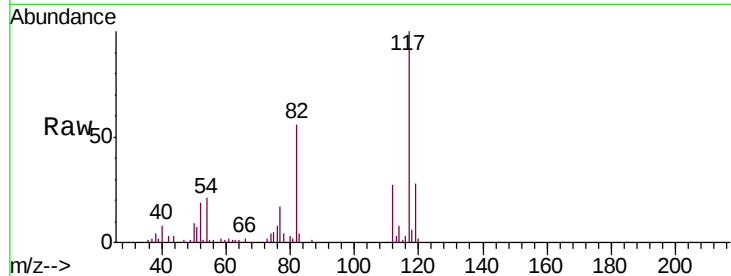




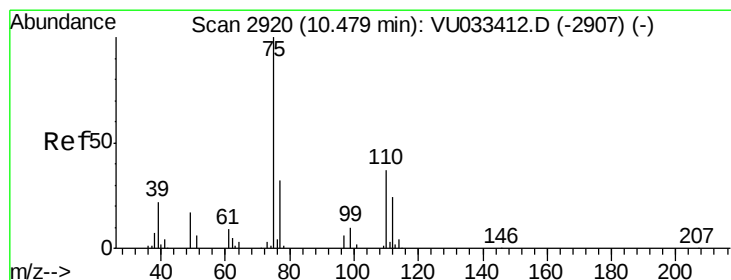
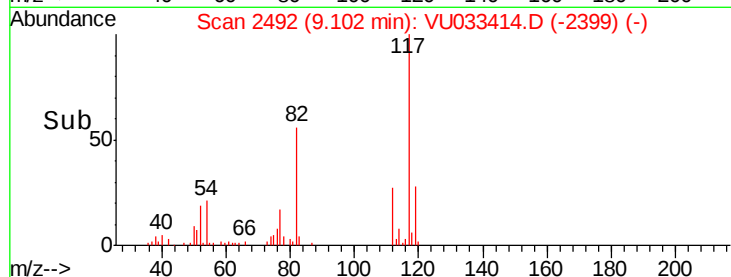
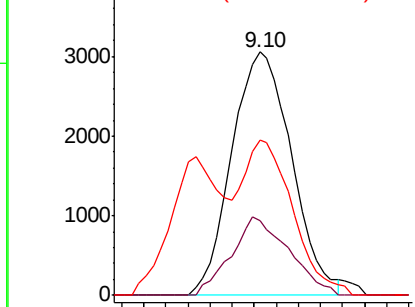
#51
Chlorobenzene
Concen: 1.002 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033414.D
Acq: 25 Jul 2019 17:16

Instrument :
MSVOA_U
ClientSampleId :
C0CC8

Tgt Ion: 112 Resp: 5766
Ion Ratio Lower Upper
112 100
114 30.6 22.3 41.3
77 64.0 47.2 70.8

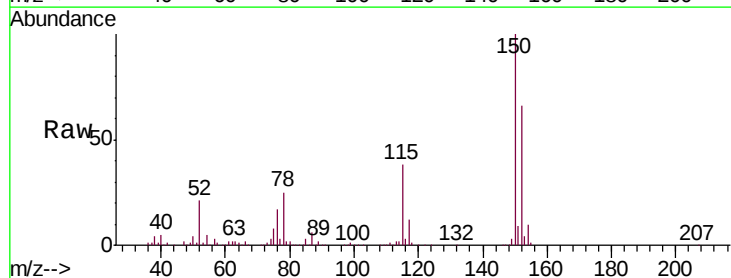


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

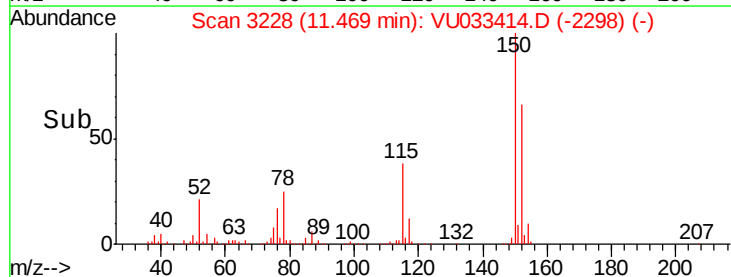
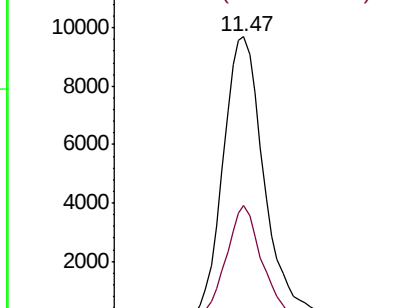


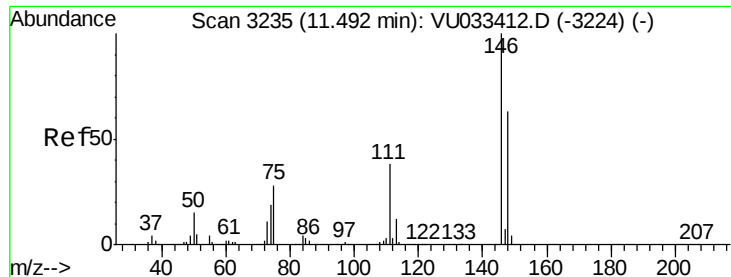
#59
1,2,3-Trichloropropane
Concen: 5.679 ug/L
RT: 11.47 min Scan# 3228
Delta R.T. 0.99 min
Lab File: VU033414.D
Acq: 25 Jul 2019 17:16

Tgt Ion: 75 Resp: 16392
Ion Ratio Lower Upper
75 100
77 35.2 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU
Ion 77.00 (76.70 to 77.70): VU





#63

1,4-Dichlorobenzene

Concen: 0.996 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033414.D

Acq: 25 Jul 2019 17:16

Instrument :

MSVOA_U

ClientSampleId :

C0CC8

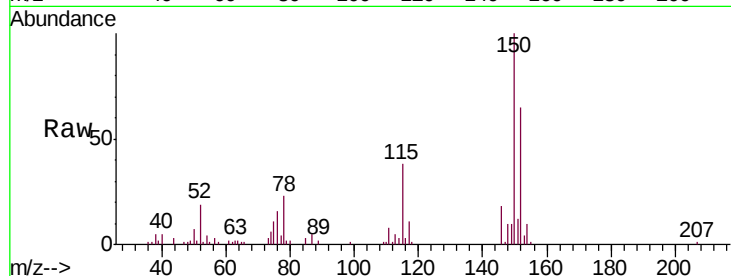
Tgt Ion:146 Resp: 3923

Ion Ratio Lower Upper

146 100

111 41.1 27.8 51.6

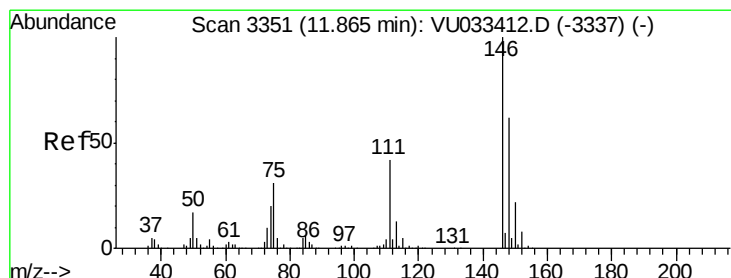
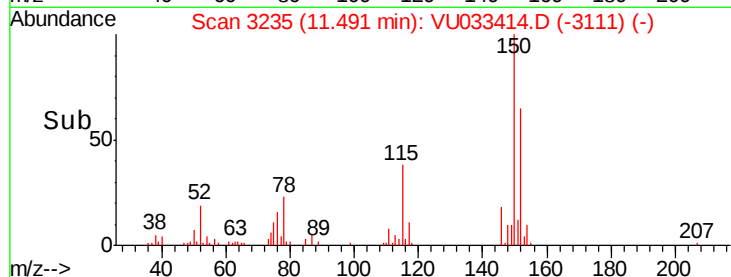
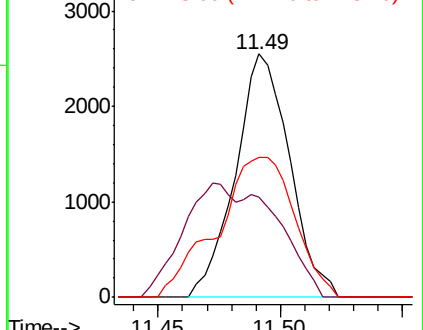
148 57.3 44.6 82.8



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



#65

1,2-Dichlorobenzene

Concen: 1.247 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033414.D

Acq: 25 Jul 2019 17:16

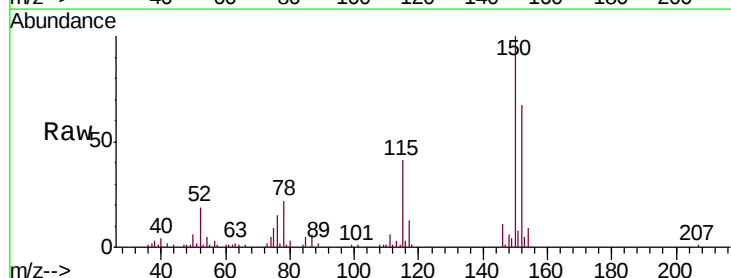
Tgt Ion:146 Resp: 4818

Ion Ratio Lower Upper

146 100

111 54.6 34.3 51.5#

148 58.1 51.5 77.3



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

