

Data File : VU033410.D
Acq On : 25 Jul 2019 15:07
Operator : JC/SP
Sample : K3957-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2A22

Quant Time: Jul 26 04:38:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 26 04:32:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	271193	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	277612	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	121155	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	71793	34.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.94%
7) Chloroethane-d5	1.67	69	71001	40.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.96%
11) 1,1-Dichloroethene-d2	2.26	63	105630	28.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.74%#
21) 2-Butanone-d5	4.15	46	126569	97.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.30%
24) Chloroform-d	4.62	84	150871	43.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.70%
26) 1,2-Dichloroethane-d4	5.29	65	101238	45.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.76%
32) Benzene-d6	5.32	84	283404	41.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.22%
36) 1,2-Dichloropropane-d6	6.31	67	96065	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.06%
41) Toluene-d8	7.55	98	245730	38.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.52%#
43) trans-1,3-Dichloropropene-	7.83	79	41405	38.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.42%
47) 2-Hexanone-d5	8.30	63	87063	88.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.53%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	155483	47.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.18%
64) 1,2-Dichlorobenzene-d4	11.85	152	102151	47.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.56%

Target Compounds

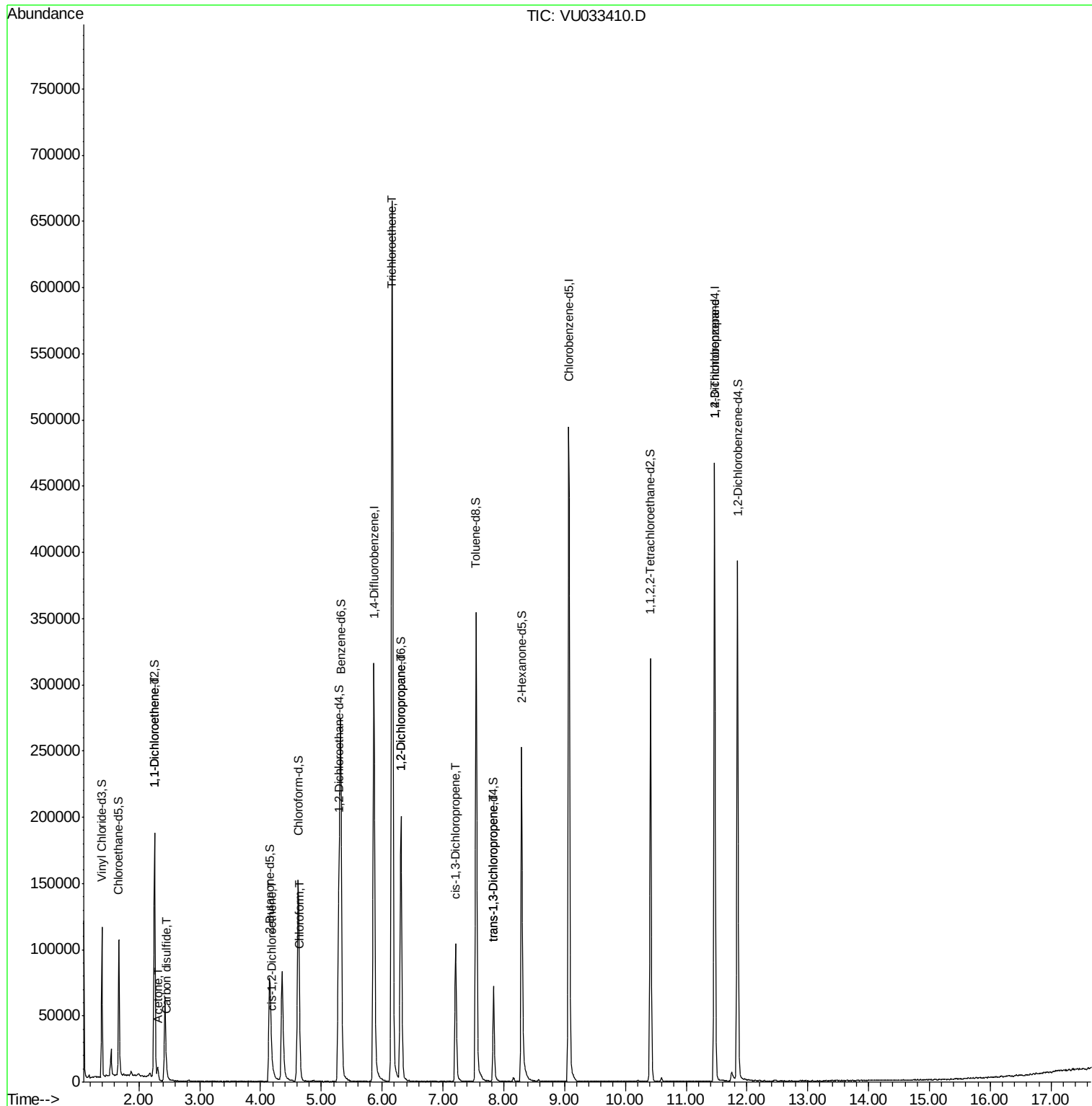
					Qvalue
12) 1,1-Dichloroethene	2.26	96	1035	0.572 ug/L #	1
13) Acetone	2.31	43	9867	6.071 ug/L	100
14) Carbon disulfide	2.46	76	3006	0.543 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	1411	0.669 ug/L	93
25) Chloroform	4.65	83	2252	0.589 ug/L	96
34) Trichloroethene	6.16	95	230284	108.763 ug/L	99
37) 1,2-Dichloropropane	6.31	63	10608	4.831 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	2783	0.827 ug/L	86
44) trans-1,3-Dichloropropene	7.83	75	1781	0.587 ug/L	83
59) 1,2,3-Trichloropropane	11.47	75	14744	5.158 ug/L	89

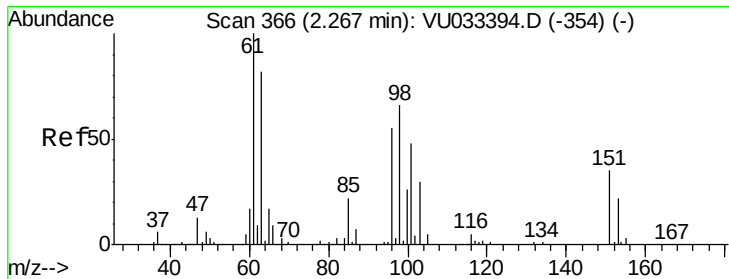
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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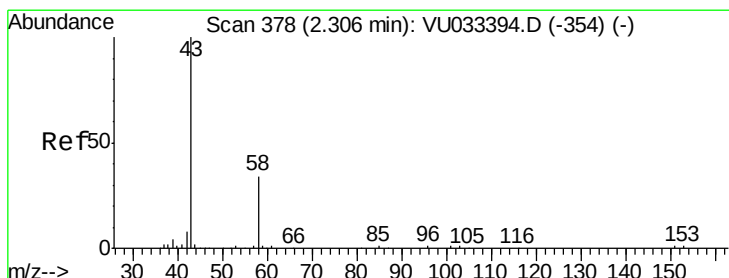
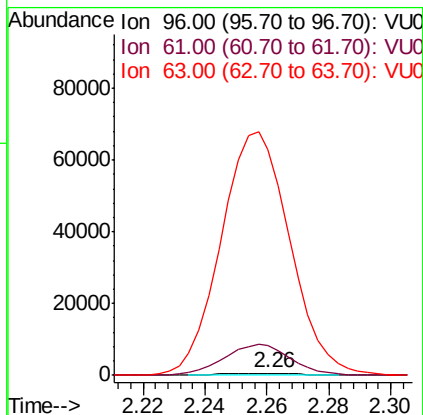
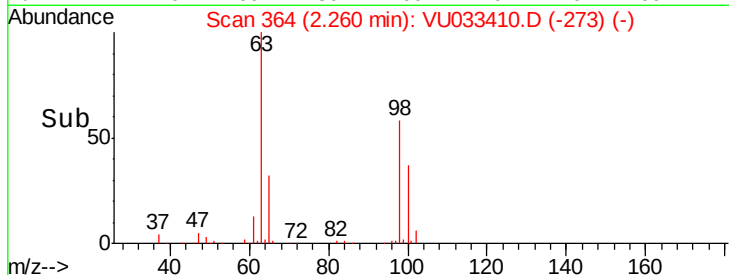
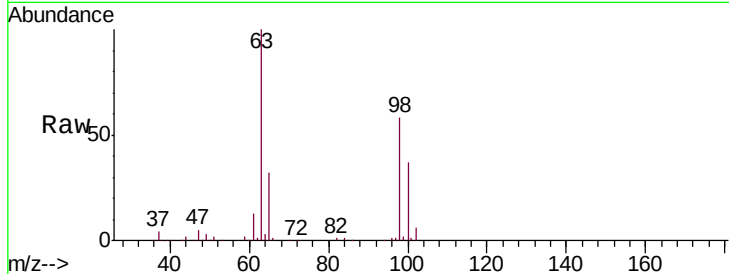




#12
 1,1-Dichloroethene
 Concen: 0.572 ug/L
 RT: 2.26 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VU033410.D
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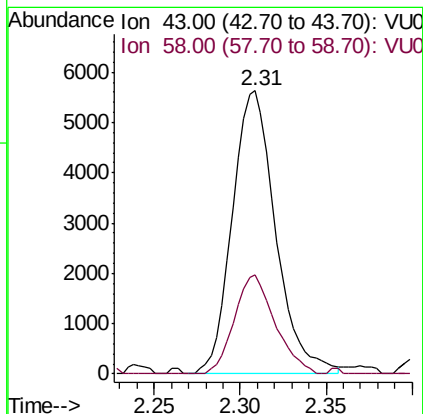
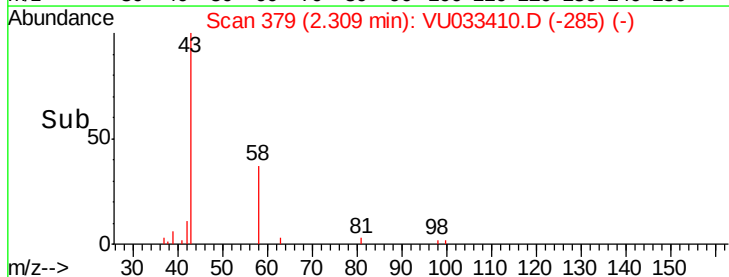
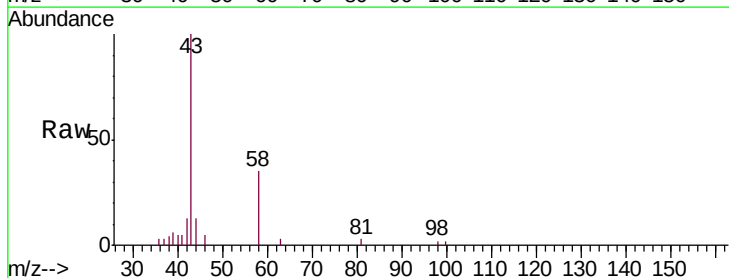
Instrument :
 MSVOA_U
 ClientSampled :
 F2A22

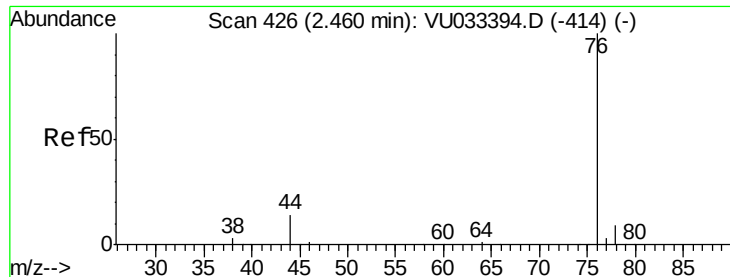
Tgt Ion: 96 Resp: 1035
 Ion Ratio Lower Upper
 96 100
 61 1313.6 126.1 234.1#
 63 10074.1 96.8 179.8#



#13
 Acetone
 Concen: 6.071 ug/L
 RT: 2.31 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VU033410.D
 Acq: 25 Jul 2019 15:07

Tgt Ion: 43 Resp: 9867
 Ion Ratio Lower Upper
 43 100
 58 32.6 0.0 65.4





#14

Carbon disulfide

Concen: 0.543 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033410.D

Acq: 25 Jul 2019 15:07

Instrument :

MSVOA_U

ClientSampleId :

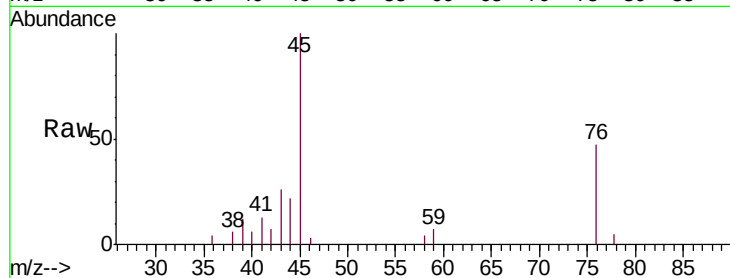
F2A22

Tgt Ion: 76 Resp: 3006

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU033394.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033394.D (-414) (-)

2.46

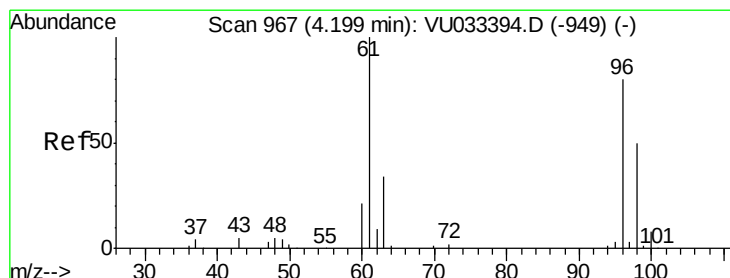
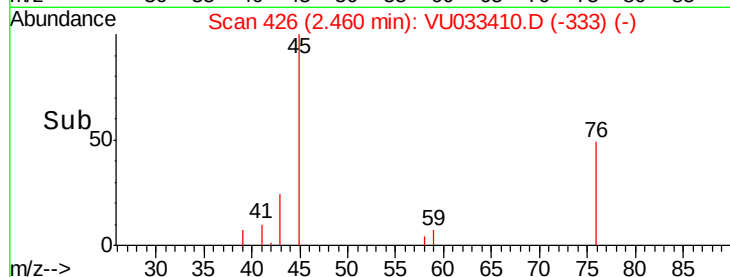
1500

1000

500

0

Time-->



#20

cis-1,2-Dichloroethene

Concen: 0.669 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033410.D

Acq: 25 Jul 2019 15:07

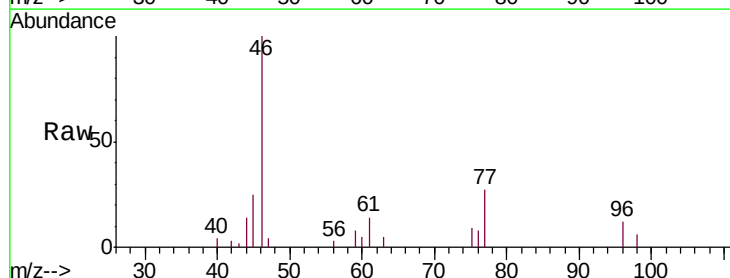
Tgt Ion: 96 Resp: 1411

Ion Ratio Lower Upper

96 100

61 121.8 91.1 169.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033394.D (-949) (-)

Ion 61.00 (60.70 to 61.70): VU033394.D (-949) (-)

Ion 68.00 (67.70 to 68.70): VU033394.D (-949) (-)

4.20

1000

800

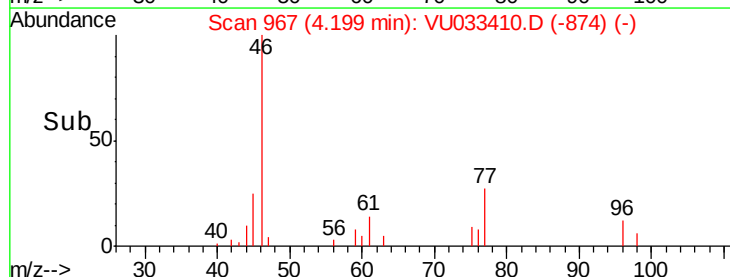
600

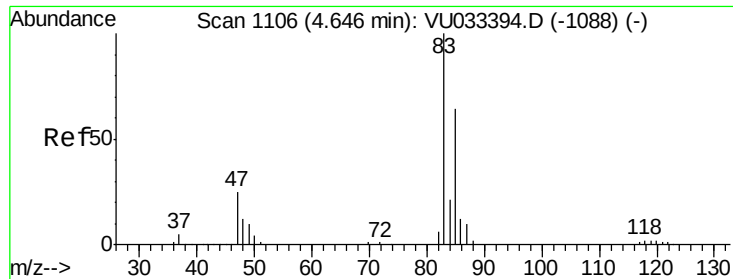
400

200

0

Time-->

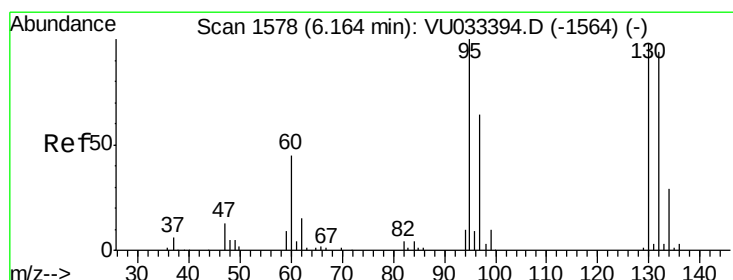
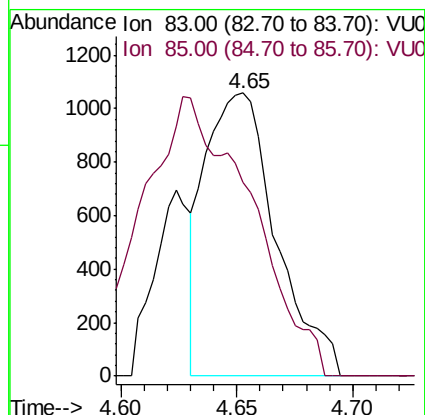
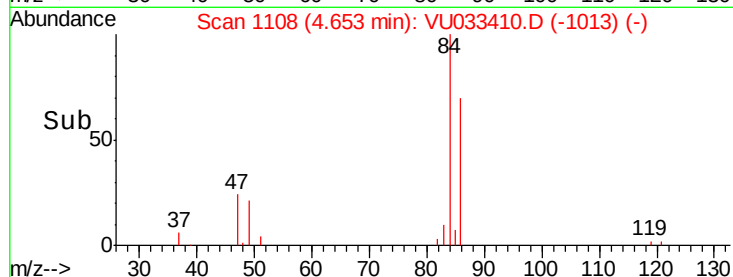
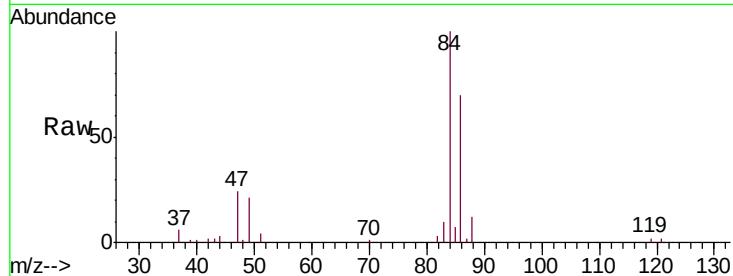




#25
Chloroform
Concen: 0.589 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU033410.D
Acq: 25 Jul 2019 15:07

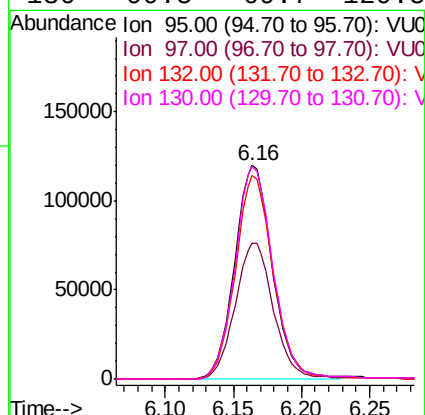
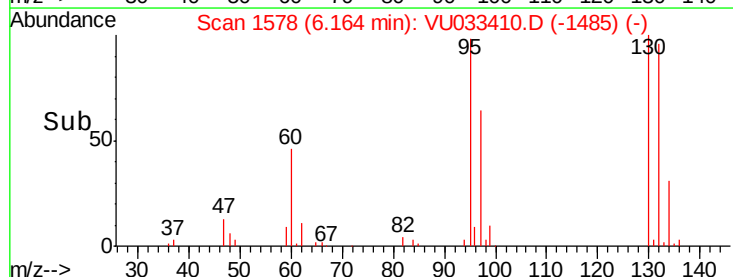
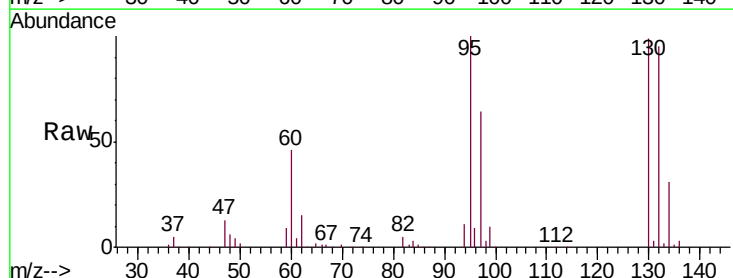
Instrument :
MSVOA_U
ClientSampled :
F2A22

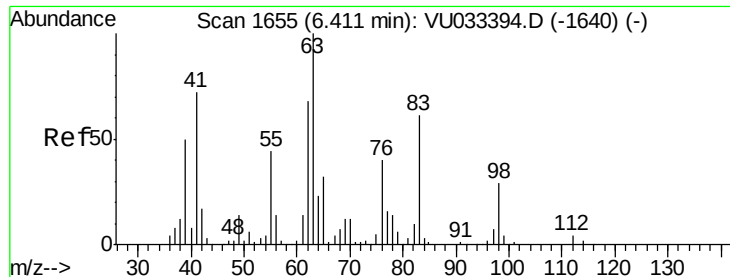
Tgt Ion: 83 Resp: 2252
Ion Ratio Lower Upper
83 100
85 68.4 45.4 84.4



#34
Trichloroethene
Concen: 108.763 ug/L
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU033410.D
Acq: 25 Jul 2019 15:07

Tgt Ion: 95 Resp: 230284
Ion Ratio Lower Upper
95 100
97 63.6 43.8 81.4
132 95.4 65.5 121.6
130 99.5 69.7 129.5

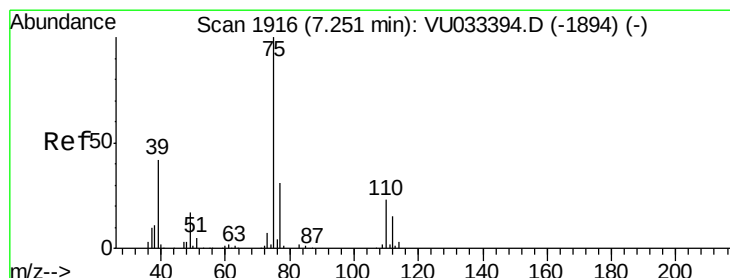
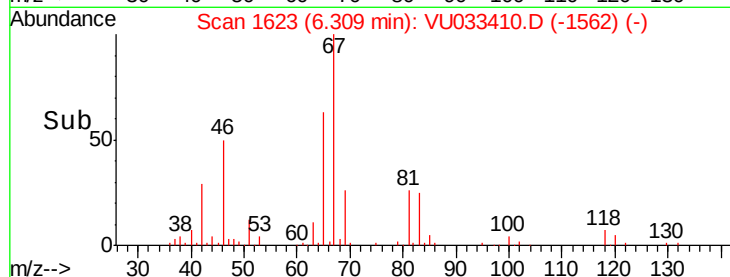
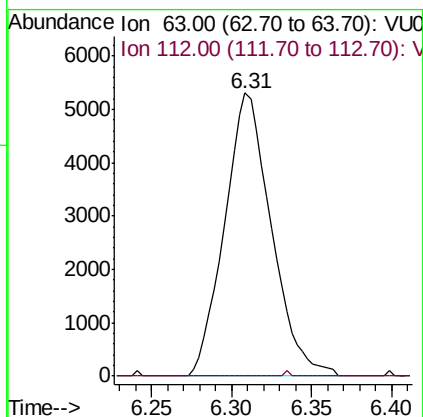
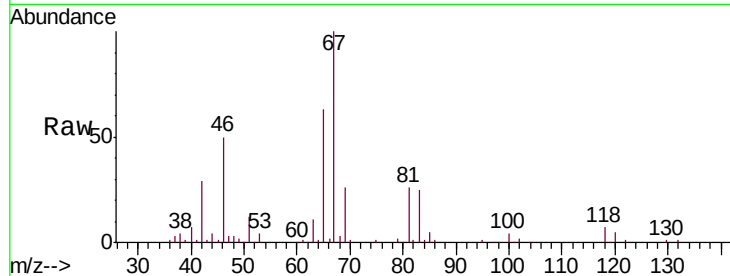




#37
 1,2-Dichloropropane
 Concen: 4.831 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033410.D
 Acq: 25 Jul 2019 15:07

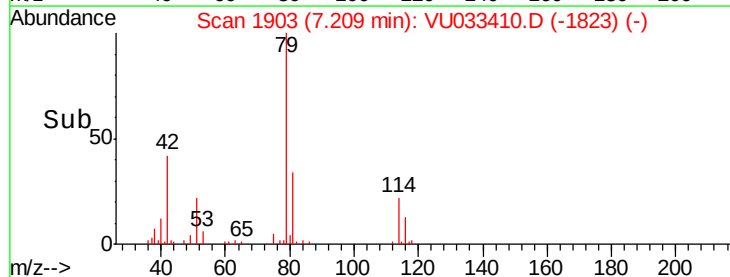
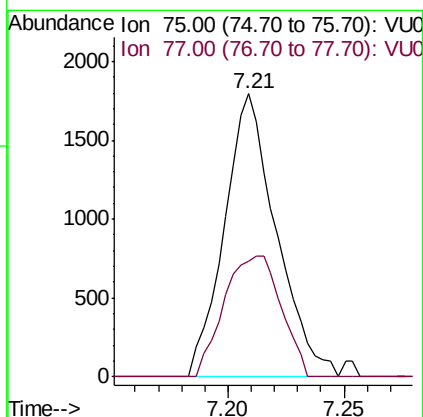
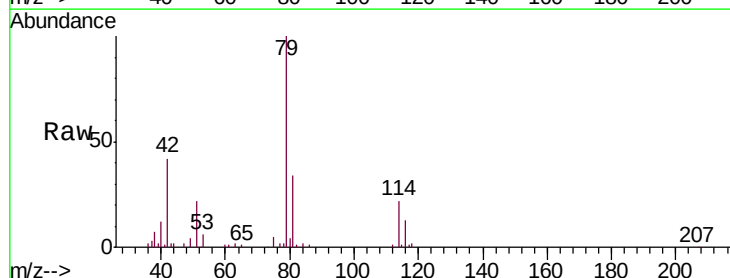
Instrument :
 MSVOA_U
 ClientSampleId :
 F2A22

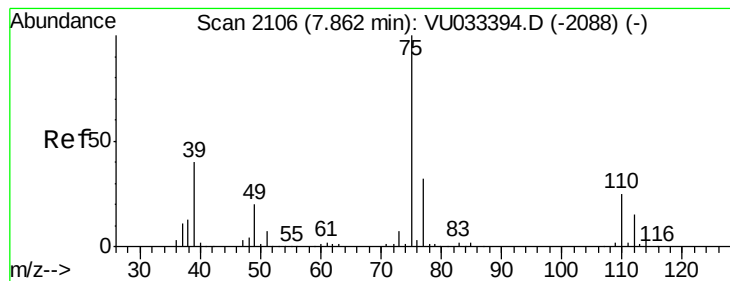
Tgt Ion: 63 Resp: 10608
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.827 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033410.D
 Acq: 25 Jul 2019 15:07

Tgt Ion: 75 Resp: 2783
 Ion Ratio Lower Upper
 75 100
 77 40.9 23.1 42.9





#44

trans-1,3-Dichloropropene

Concen: 0.587 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033410.D

Acq: 25 Jul 2019 15:07

Instrument :

MSVOA_U

ClientSampled :

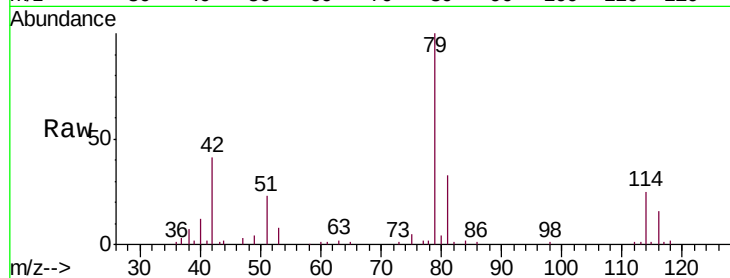
F2A22

Tgt Ion: 75 Resp: 1781

Ion Ratio Lower Upper

75 100

77 41.4 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.83

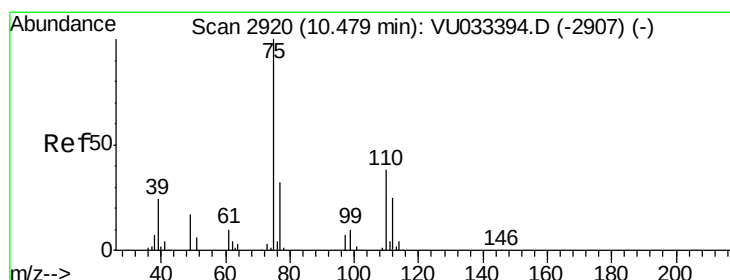
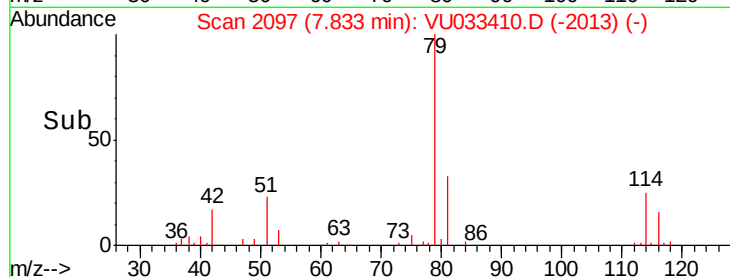
1000

500

0

7.80 7.85

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.158 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033410.D

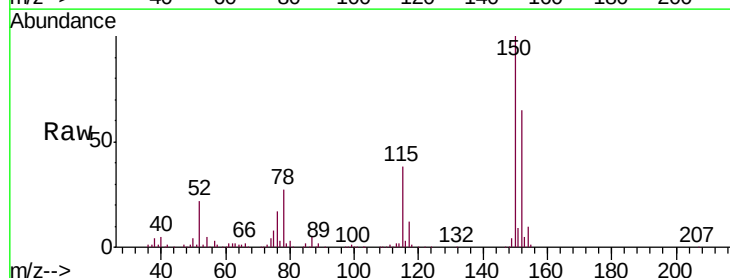
Acq: 25 Jul 2019 15:07

Tgt Ion: 75 Resp: 14744

Ion Ratio Lower Upper

75 100

77 38.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.47

10000

8000

6000

4000

2000

0

11.40 11.45 11.50

Time-->

