

Data File : VU033508.D
Acq On : 30 Jul 2019 22:15
Operator : JC/SP
Sample : K4070-02 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB9D6

Quant Time: Jul 31 08:11:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jul 31 08:02:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	325648	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	317392	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	150842	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	101824	43.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.02%
7) Chloroethane-d5	1.67	69	90756	44.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.36%
11) 1,1-Dichloroethene-d2	2.26	63	141717	32.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.96%
21) 2-Butanone-d5	4.15	46	148224	94.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.52%
24) Chloroform-d	4.62	84	175126	44.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.26%
26) 1,2-Dichloroethane-d4	5.29	65	115506	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.92%
32) Benzene-d6	5.32	84	368628	46.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.70%
36) 1,2-Dichloropropane-d6	6.31	67	116251	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.26%
41) Toluene-d8	7.55	98	332715	45.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.26%
43) trans-1,3-Dichloropropene-	7.83	79	52723	43.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.18%
47) 2-Hexanone-d5	8.30	63	107592	91.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.88%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	168312	44.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.52%
64) 1,2-Dichlorobenzene-d4	11.85	152	130283	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%

Target Compounds

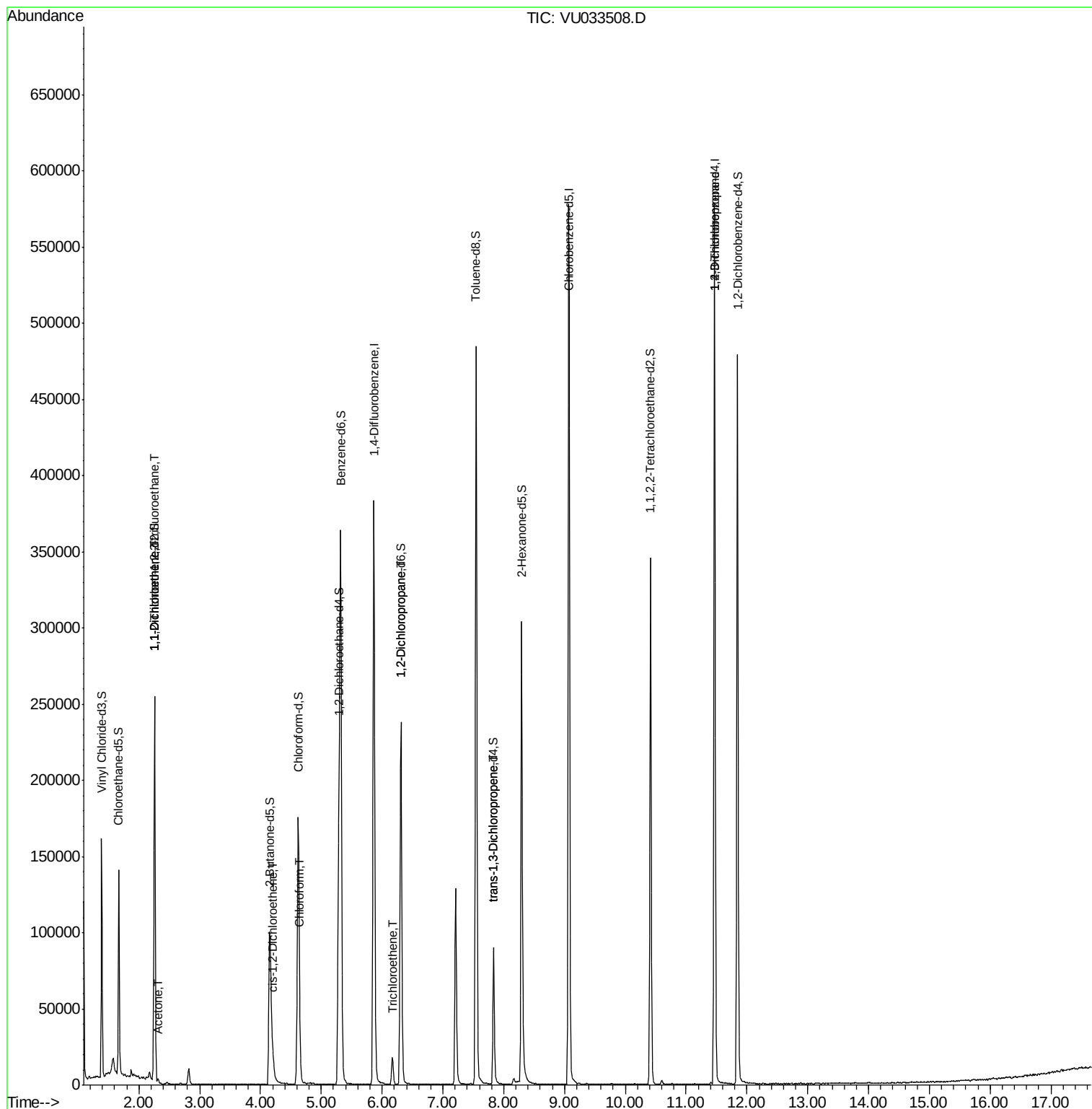
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1352	0.615 ug/L #	19
12) 1,1-Dichloroethene	2.26	96	1227	0.582 ug/L #	1
13) Acetone	2.31	43	997	0.621 ug/L	67
20) cis-1,2-Dichloroethene	4.20	96	5937	2.394 ug/L	100
25) Chloroform	4.65	83	4545	1.041 ug/L	98
34) Trichloroethene	6.17	95	6397	2.649 ug/L	95
37) 1,2-Dichloropropane	6.31	63	12486	5.094 ug/L #	88
44) trans-1,3-Dichloropropene	7.83	75	2314	0.669 ug/L #	77
59) 1,2,3-Trichloropropane	11.47	75	17329	5.357 ug/L	91

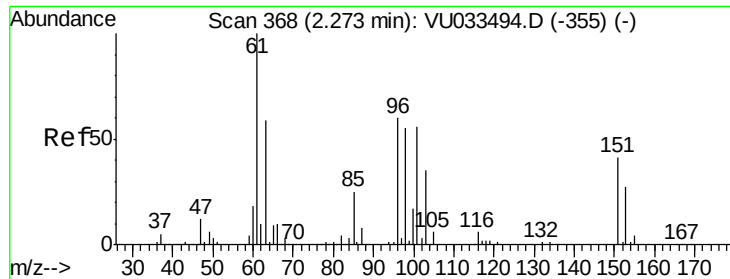
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.615 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033508.D

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Instrument :

MSVOA_U

ClientSampleId :

DB9D6

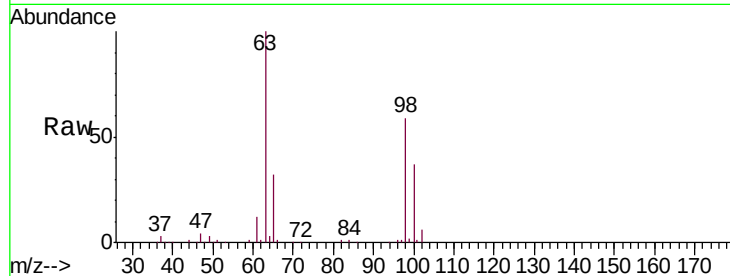
Tgt Ion: 101 Resp: 1352

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

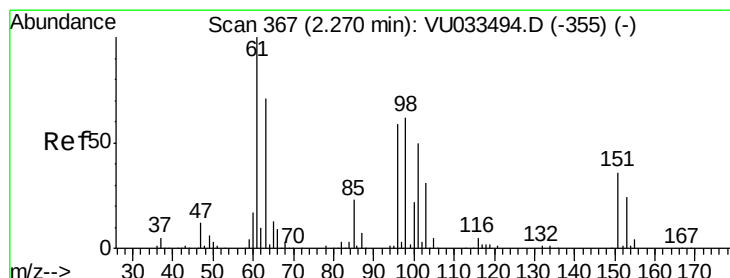
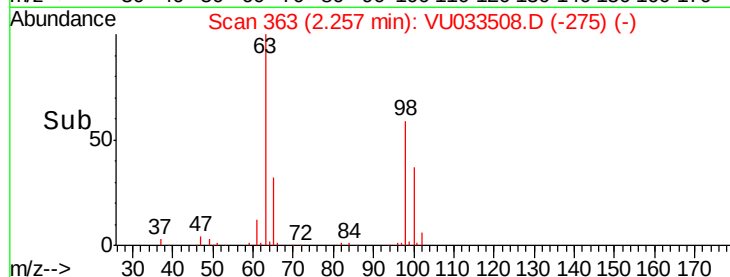
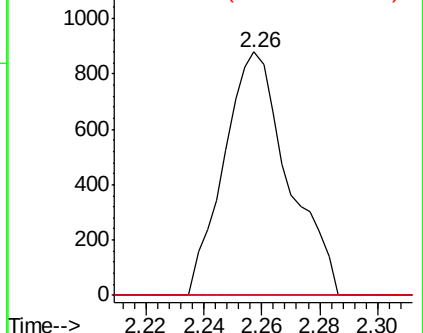
151 0.0 60.1 90.1#



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: 0.582 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033508.D

Acq: 30 Jul 2019 22:15

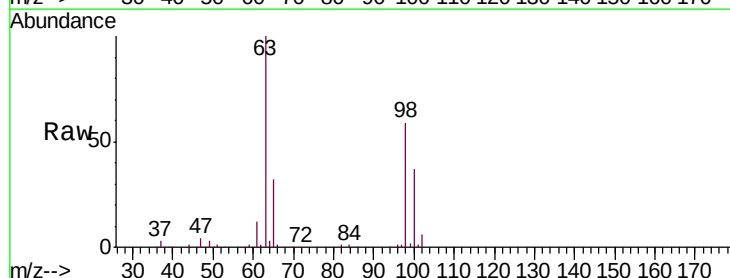
Tgt Ion: 96 Resp: 1227

Ion Ratio Lower Upper

96 100

61 1300.7 119.3 221.5#

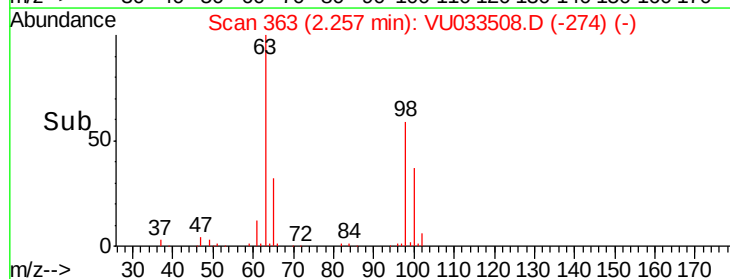
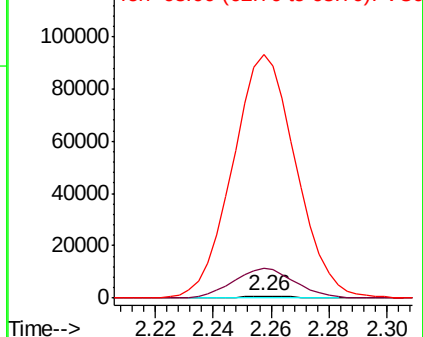
63 10805.6 86.6 160.8#

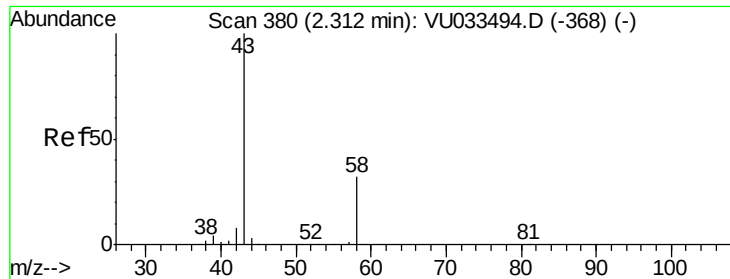


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.621 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

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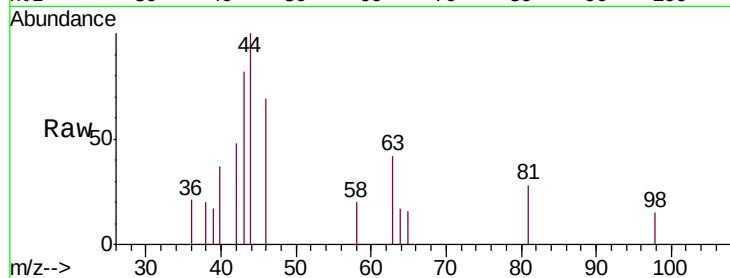
DB9D6

Tgt Ion: 43 Resp: 997

Ion Ratio Lower Upper

43 100

58 14.5 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU033508.D (-379) (-)

Ion 58.00 (57.70 to 58.70): VU033508.D (-379) (-)

2.31

600

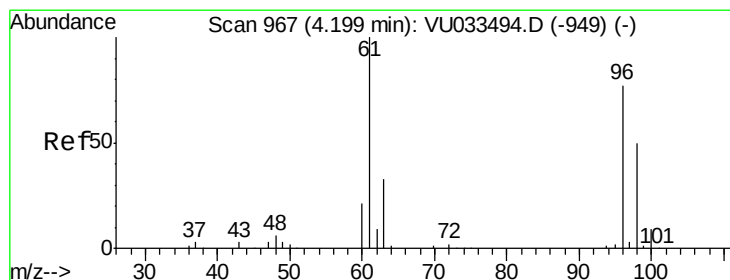
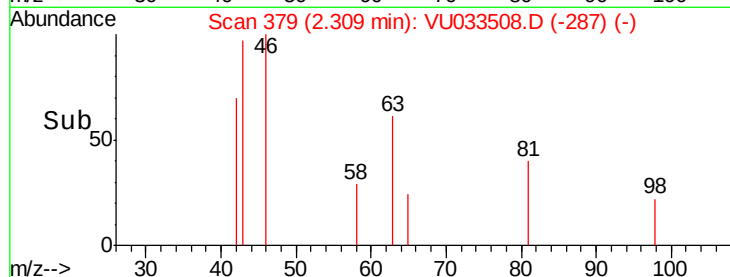
400

200

0

2.28 2.30 2.32 2.34

Time-->



#20

cis-1,2-Dichloroethene

Concen: 2.394 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU033508.D

Acq: 30 Jul 2019 22:15

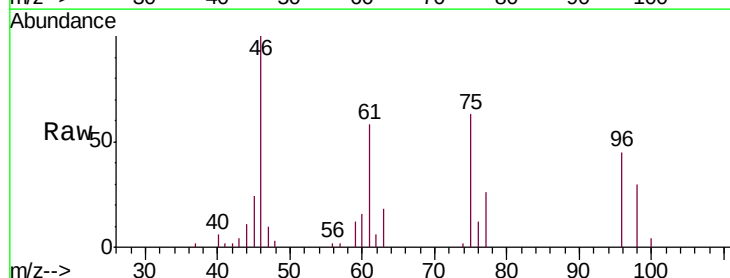
Tgt Ion: 96 Resp: 5937

Ion Ratio Lower Upper

96 100

61 131.0 91.3 169.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033508.D (-968) (-)

Ion 61.00 (60.70 to 61.70): VU033508.D (-968) (-)

Ion 68.00 (67.70 to 68.70): VU033508.D (-968) (-)

4000

3000

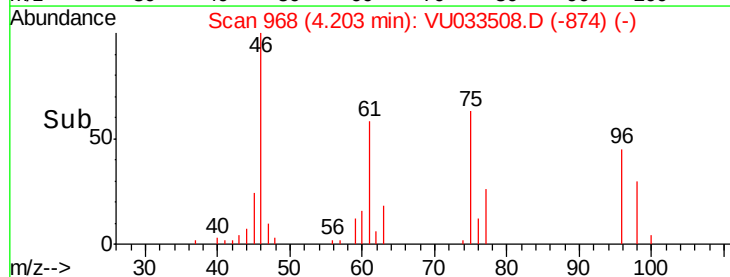
2000

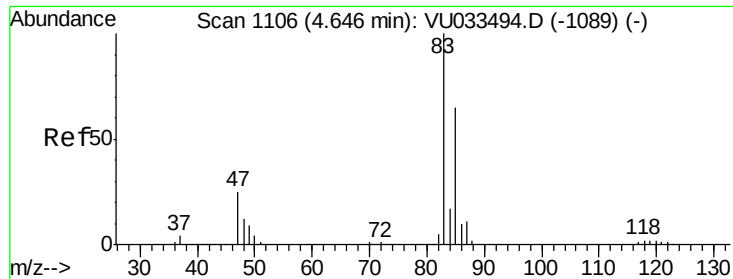
1000

0

4.15 4.20 4.25

Time-->

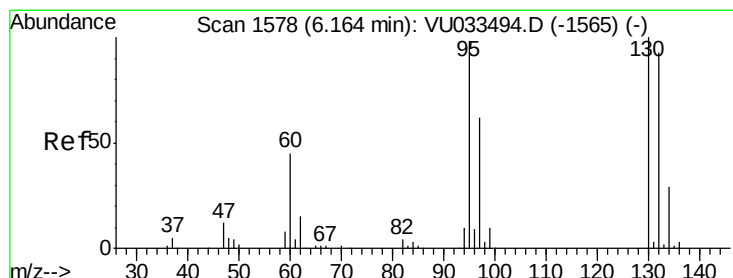
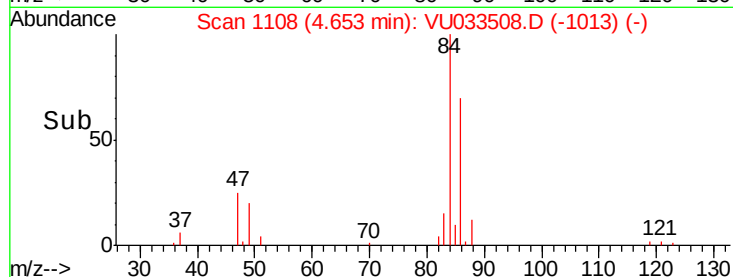
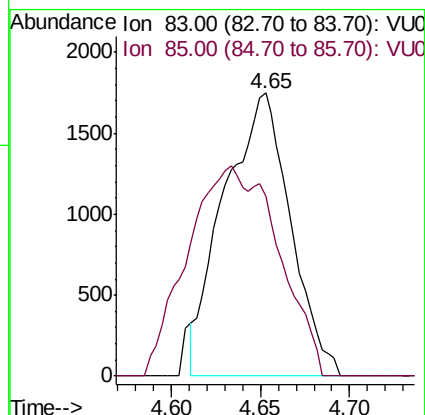
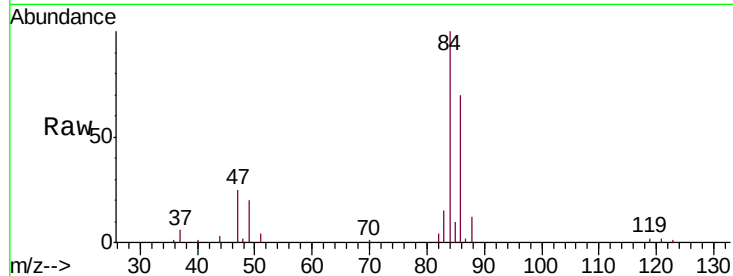




#25
Chloroform
Concen: 1.041 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.01 min
Lab File: VU033508.D
Acq: 30 Jul 2019 22:15

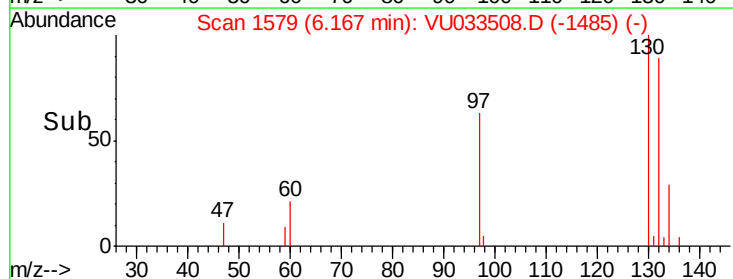
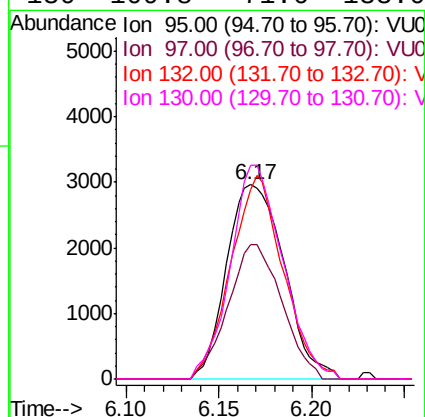
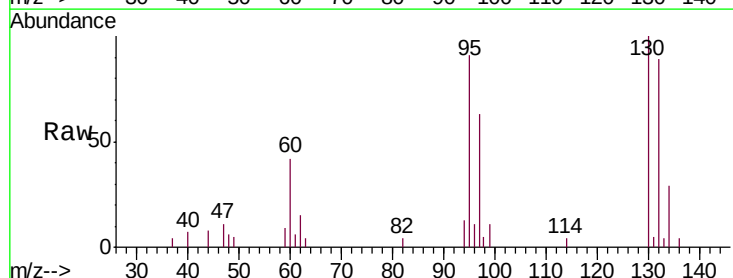
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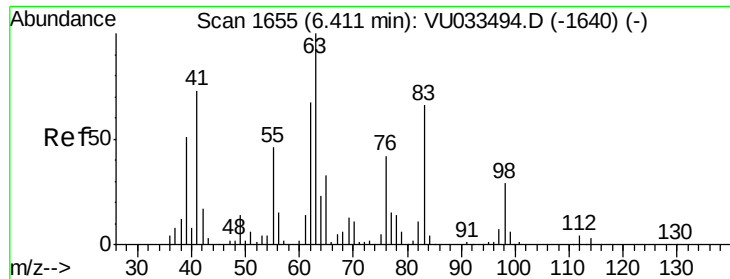
Tgt Ion: 83 Resp: 4545
Ion Ratio Lower Upper
83 100
85 63.4 45.6 84.8



#34
Trichloroethene
Concen: 2.649 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU033508.D
Acq: 30 Jul 2019 22:15

Tgt Ion: 95 Resp: 6397
Ion Ratio Lower Upper
95 100
97 69.4 44.7 83.1
132 97.4 66.8 124.0
130 109.8 71.6 133.0

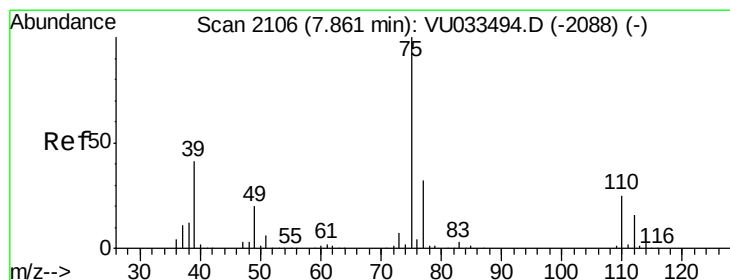
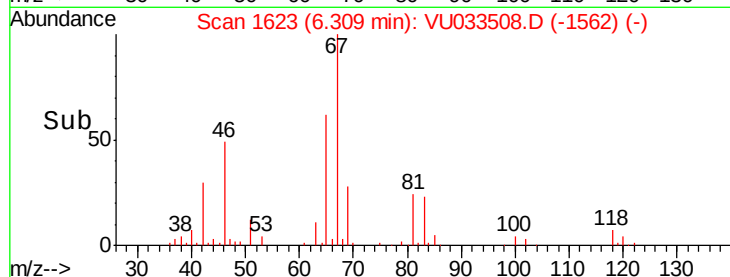
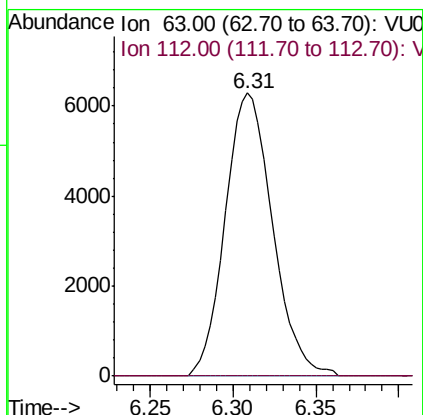
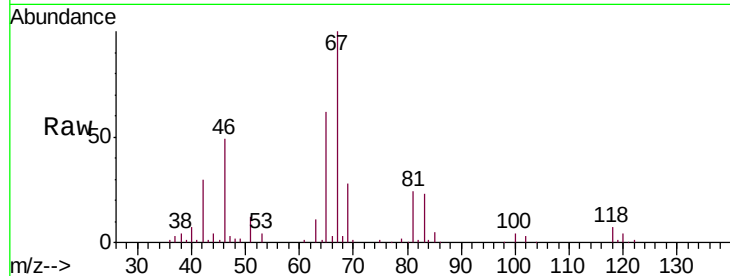




#37
 1,2-Dichloropropane
 Concen: 5.094 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033508.D
 Acq: 30 Jul 2019 22:15

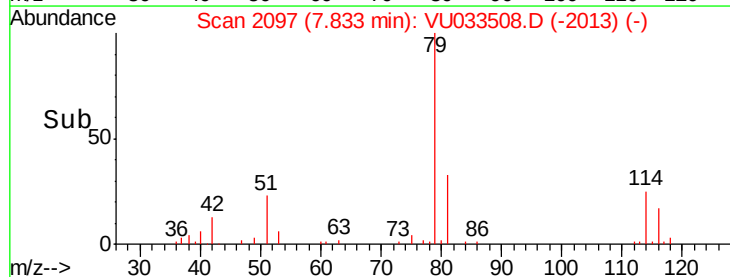
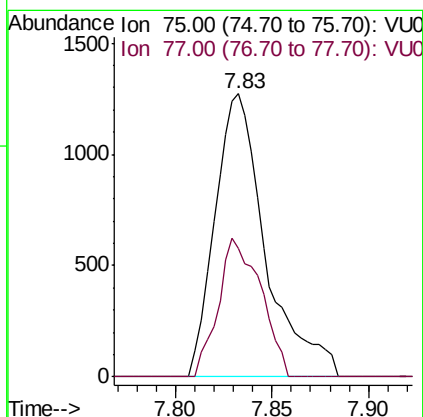
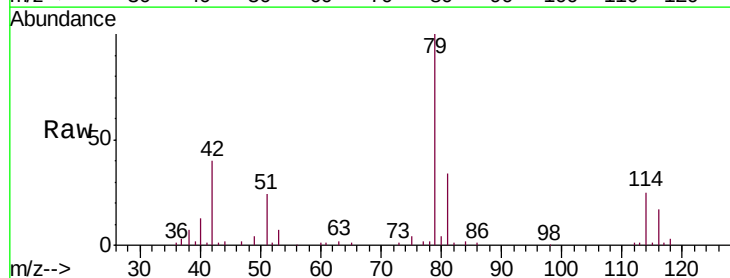
Instrument :
 MSVOA_U
 ClientSampleId :
 DB9D6

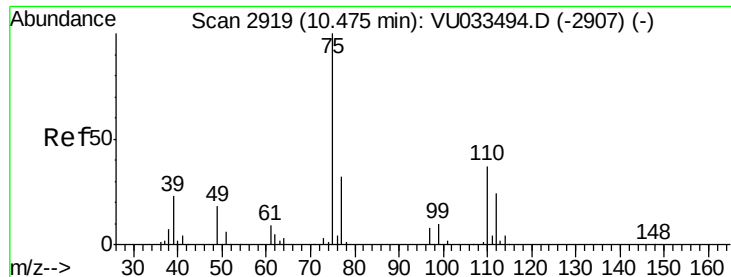
Tgt Ion: 63 Resp: 12486
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#44
 trans-1,3-Dichloropropene
 Concen: 0.669 ug/L
 RT: 7.83 min Scan# 2097
 Delta R.T. -0.03 min
 Lab File: VU033508.D
 Acq: 30 Jul 2019 22:15

Tgt Ion: 75 Resp: 2314
 Ion Ratio Lower Upper
 75 100
 77 45.2 22.7 42.1#





#59

1,2,3-Trichloropropane

Concen: 5.357 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033508.D

Acq: 30 Jul 2019 22:15

Instrument :

MSVOA_U

ClientSampleId :

DB9D6

Tgt Ion: 75 Resp: 17329

Ion Ratio Lower Upper

75 100

77 37.2 25.8 38.6

