

Data File : VU033428.D
Acq On : 25 Jul 2019 22:37
Operator : JC/SP
Sample : K3976-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CB3

Quant Time: Jul 26 05:54:35 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	284425	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	284281	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	125543	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	129071	59.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	119.90%
7) Chloroethane-d5	1.67	69	113178	61.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	123.06%
11) 1,1-Dichloroethene-d2	2.25	63	170334	43.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.22%
21) 2-Butanone-d5	4.15	46	153369	112.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.42%
24) Chloroform-d	4.62	84	199427	55.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.54%
26) 1,2-Dichloroethane-d4	5.29	65	135645	58.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.22%
32) Benzene-d6	5.32	84	416676	59.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.50%
36) 1,2-Dichloropropane-d6	6.31	67	129414	57.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.86%
41) Toluene-d8	7.55	98	374957	57.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.02%
43) trans-1,3-Dichloropropene-	7.83	79	60837	55.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.08%
47) 2-Hexanone-d5	8.29	63	111886	111.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.10%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	192095	56.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.62%
64) 1,2-Dichlorobenzene-d4	11.85	152	141169	63.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	126.10%#

Target Compounds

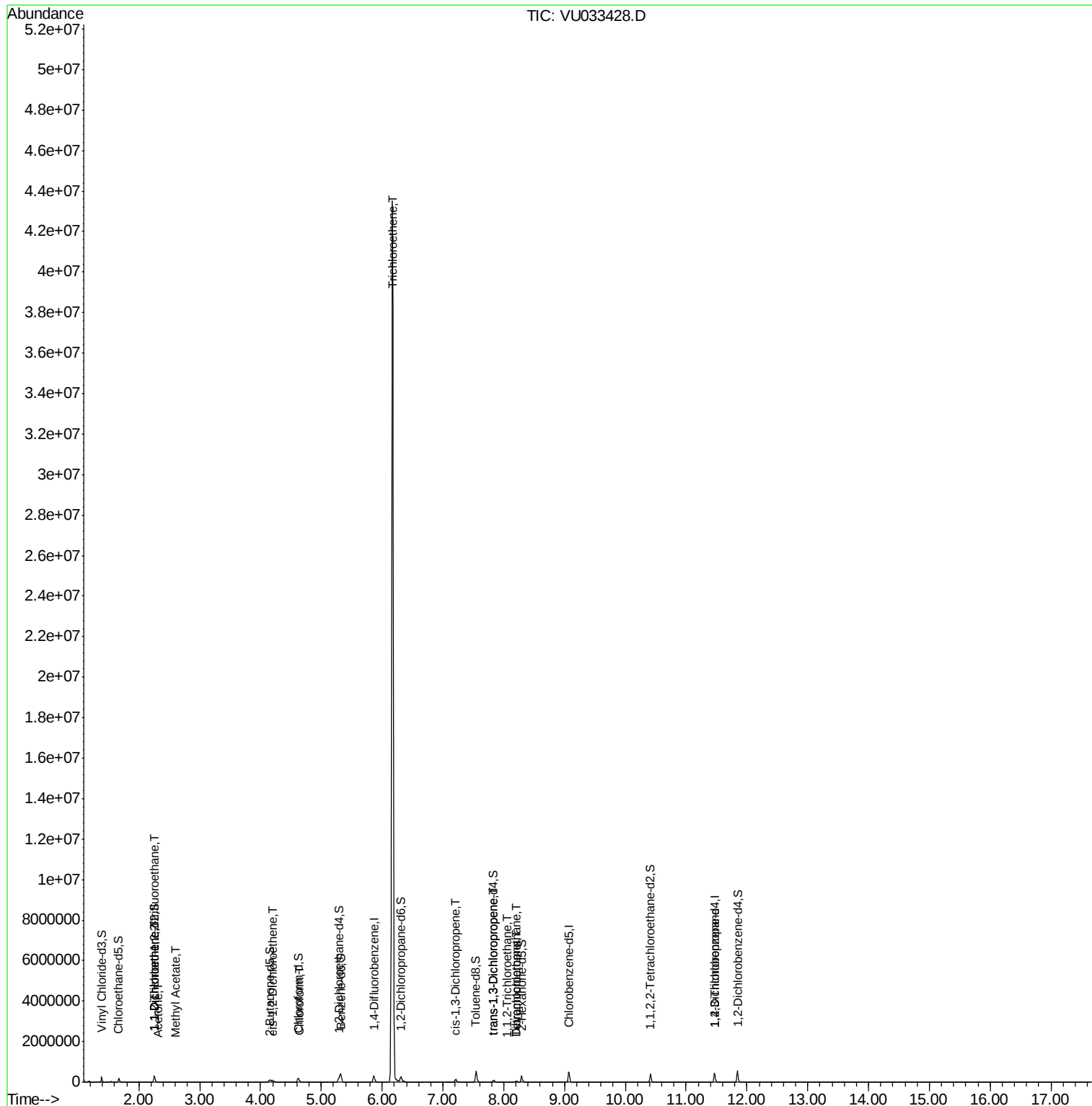
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1568	0.808	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	3945	2.078	ug/L #	1
13) Acetone	2.31	43	3378	1.982	ug/L	95
15) Methyl Acetate	2.60	43	4914	2.208	ug/L	91
20) cis-1,2-Dichloroethene	4.20	96	36304	16.404	ug/L	95
25) Chloroform	4.65	83	8480	2.114	ug/L	97
34) Trichloroethene	6.17	95	13875031	6399.434	ug/L	97
39) cis-1,3-Dichloropropene	7.21	75	3816	1.107	ug/L #	74
44) trans-1,3-Dichloropropene	7.83	75	2392	0.769	ug/L #	59
45) 1,1,2-Trichloroethane	8.05	97	4346	2.044	ug/L	90
46) Tetrachloroethene	8.21	164	9633	5.739	ug/L	94
49) Dibromochloromethane	8.21	129	9503	4.006	ug/L #	11
59) 1,2,3-Trichloropropane	11.47	75	14243	4.866	ug/L #	87

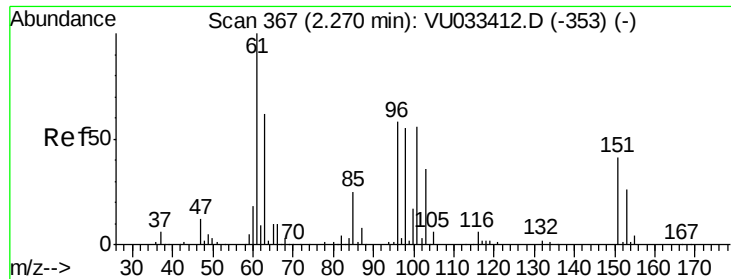
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.808 ug/L

RT: 2.25 min Scan# 362

Delta R.T. -0.02 min

Lab File: VU033428.D

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Instrument :

MSVOA_U

ClientSampleId :

C0CB3

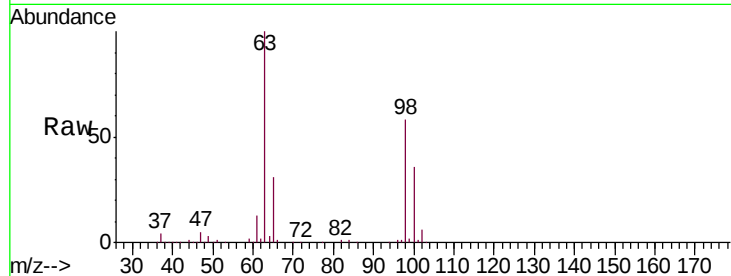
Tgt Ion:101 Resp: 1568

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

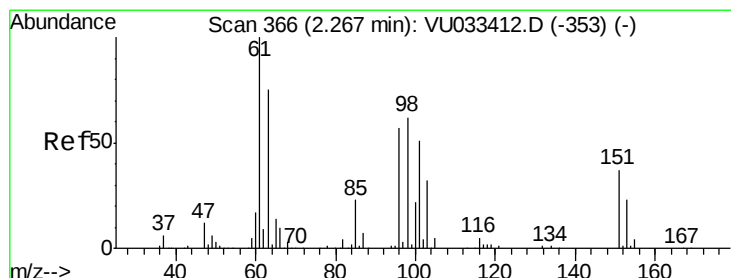
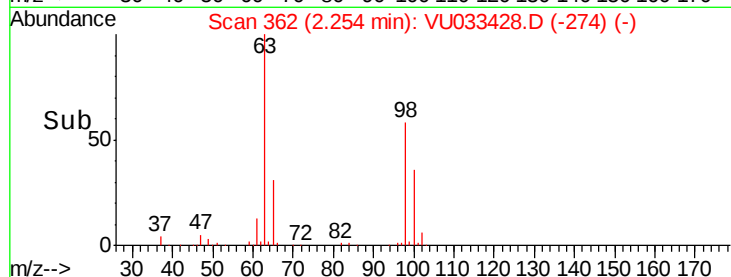
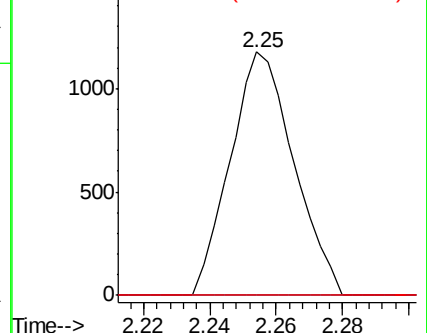
151 0.0 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.078 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033428.D

Acq: 25 Jul 2019 22:37

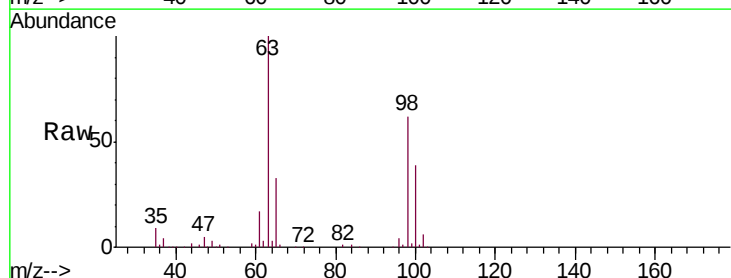
Tgt Ion: 96 Resp: 3945

Ion Ratio Lower Upper

96 100

61 420.9 126.1 234.1#

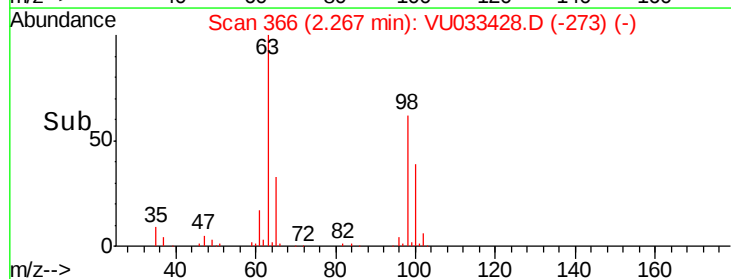
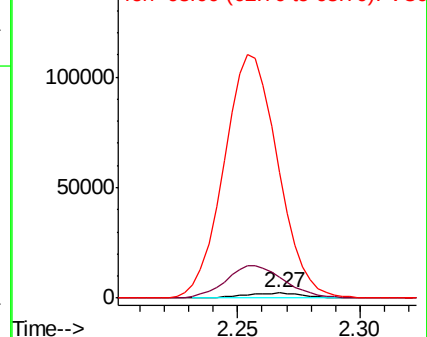
63 2490.3 96.8 179.8#

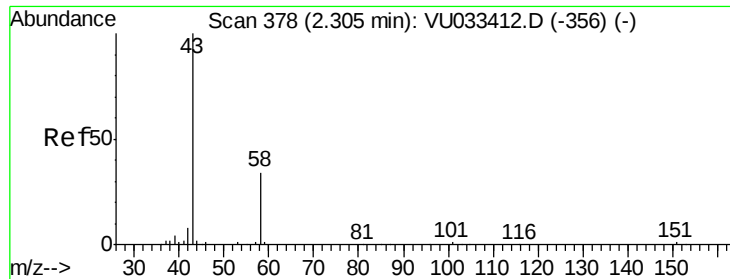


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.982 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU033428.D

Acq: 25 Jul 2019 22:37

Instrument :

MSVOA_U

ClientSampleId :

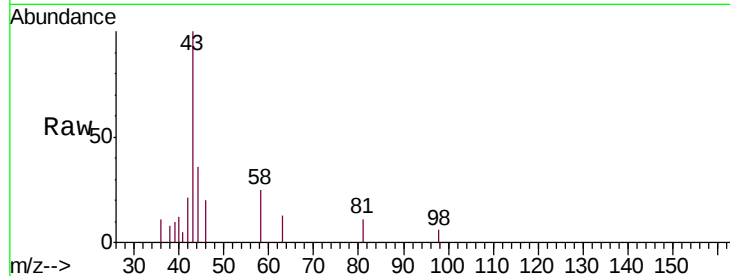
C0CB3

Tgt Ion: 43 Resp: 3378

Ion Ratio Lower Upper

43 100

58 30.1 0.0 65.4

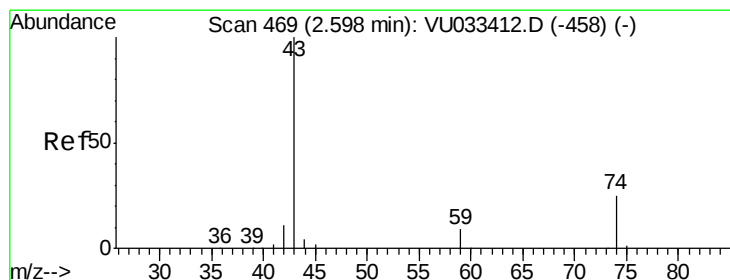
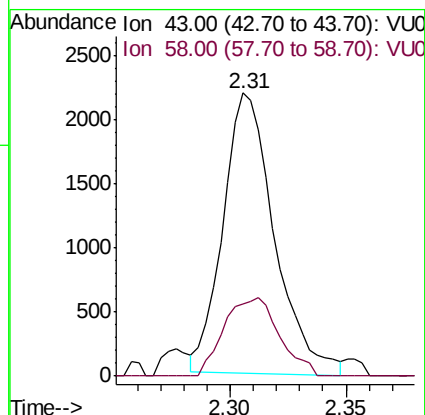
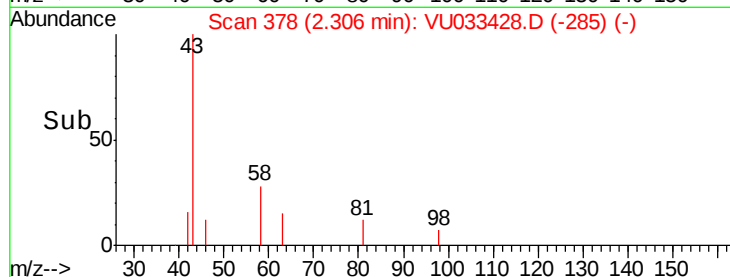


Abundance Ion 43.00 (42.70 to 43.70): VU033412.D (-356) (-)

Ion 58.00 (57.70 to 58.70): VU033412.D (-356) (-)

2.31

2.35



#15

Methyl Acetate

Concen: 2.208 ug/L

RT: 2.60 min Scan# 470

Delta R.T. 0.00 min

Lab File: VU033428.D

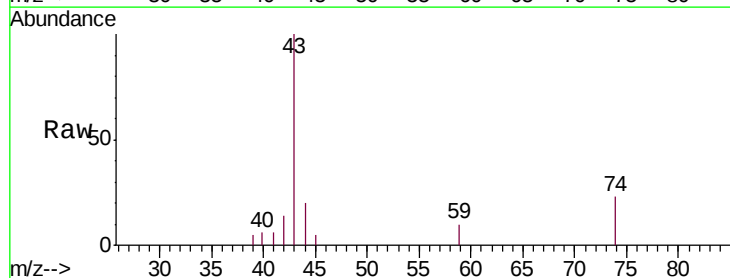
Acq: 25 Jul 2019 22:37

Tgt Ion: 43 Resp: 4914

Ion Ratio Lower Upper

43 100

74 20.5 19.9 29.9

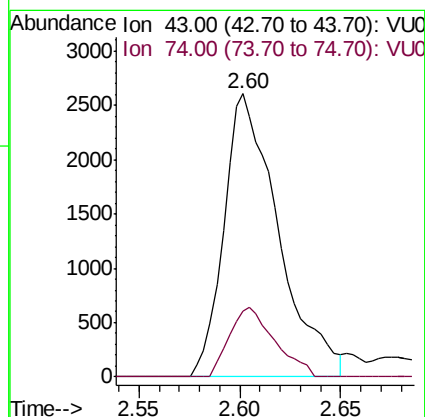
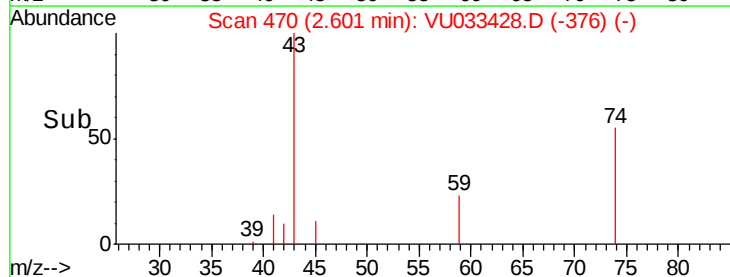


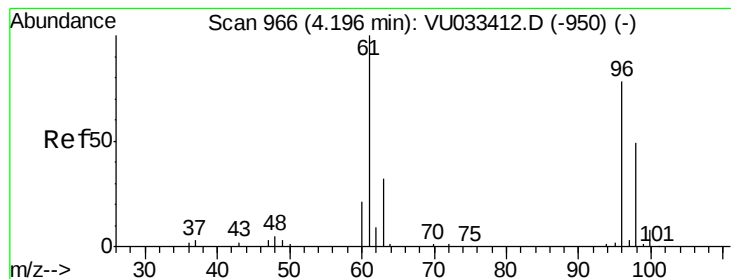
Abundance Ion 43.00 (42.70 to 43.70): VU033412.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU033412.D (-458) (-)

2.60

2.65



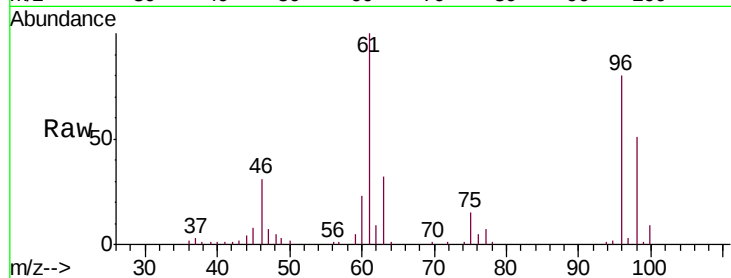


#20

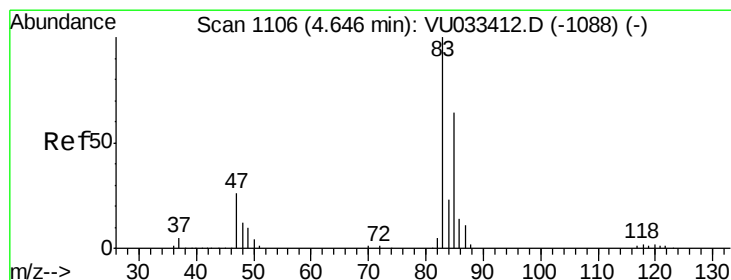
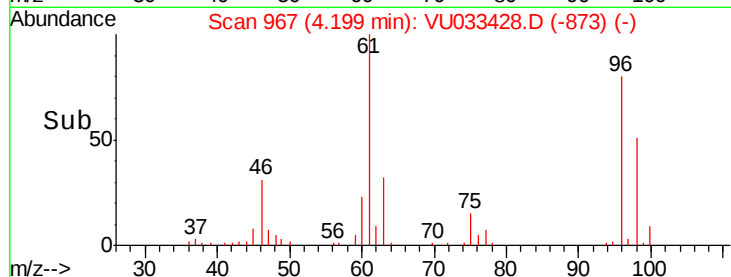
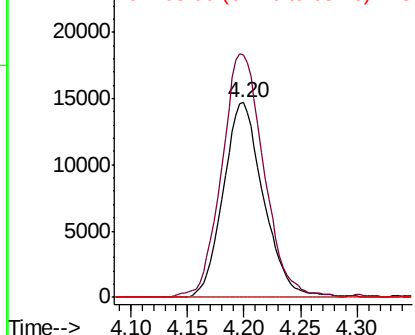
cis-1,2-Dichloroethene
 Concen: 16.404 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033428.D
 Acq: 25 Jul 2019 22:37

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CB3

Tgt Ion: 96 Resp: 36304
 Ion Ratio Lower Upper
 96 100
 61 124.3 91.1 169.1
 68 0.0 0.0 0.0



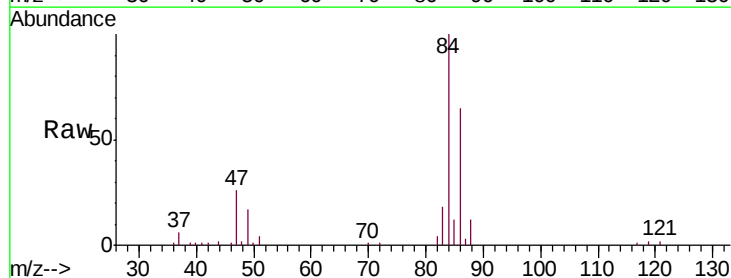
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



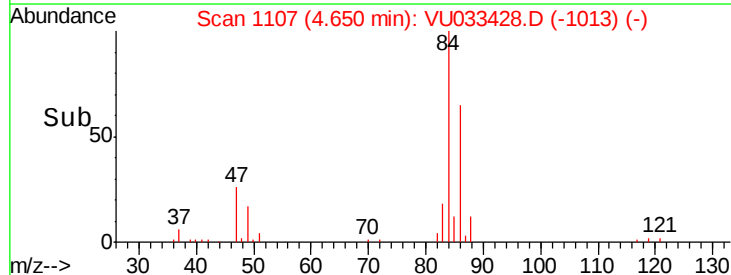
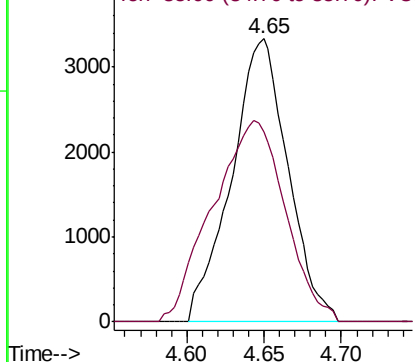
#25

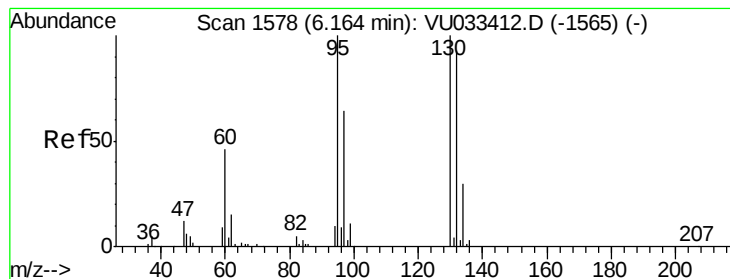
Chloroform
 Concen: 2.114 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VU033428.D
 Acq: 25 Jul 2019 22:37

Tgt Ion: 83 Resp: 8480
 Ion Ratio Lower Upper
 83 100
 85 67.3 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 6399.434 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033428.D

Acq: 25 Jul 2019 22:37

Instrument :

MSVOA_U

ClientSampleId :

C0CB3

Tgt Ion: 95 Resp:13875031

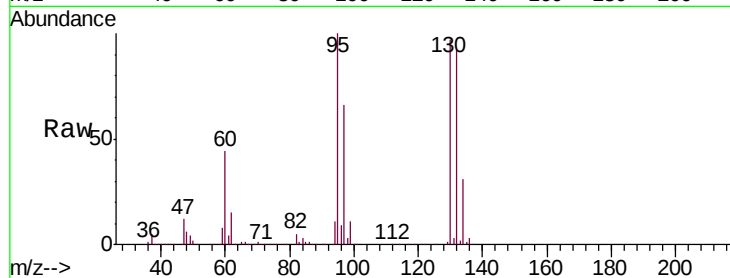
Ion Ratio Lower Upper

95 100

97 66.3 43.8 81.4

132 91.9 65.5 121.6

130 96.9 69.7 129.5

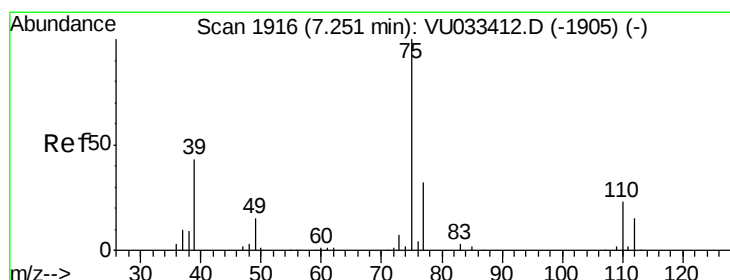
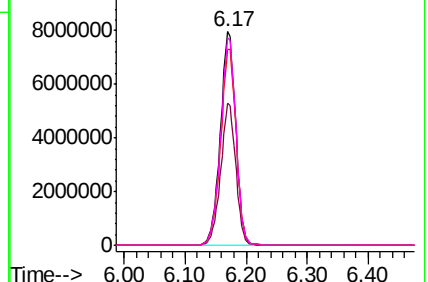
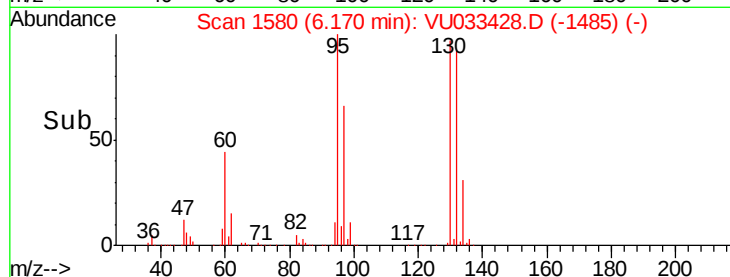


Abundance Ion 95.00 (94.70 to 95.70): VU033412.D (-1565) (-)

Ion 97.00 (96.70 to 97.70): VU033412.D (-1565) (-)

Ion 132.00 (131.70 to 132.70): VU033412.D (-1565) (-)

Ion 130.00 (129.70 to 130.70): VU033412.D (-1565) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.107 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033428.D

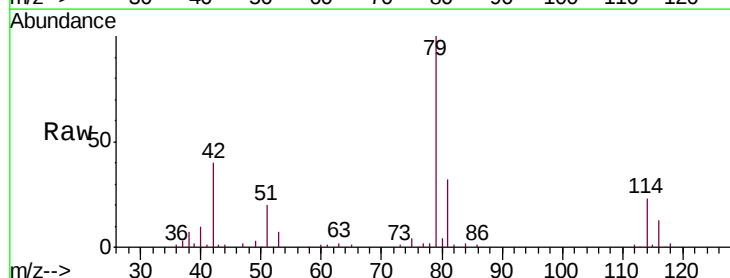
Acq: 25 Jul 2019 22:37

Tgt Ion: 75 Resp: 3816

Ion Ratio Lower Upper

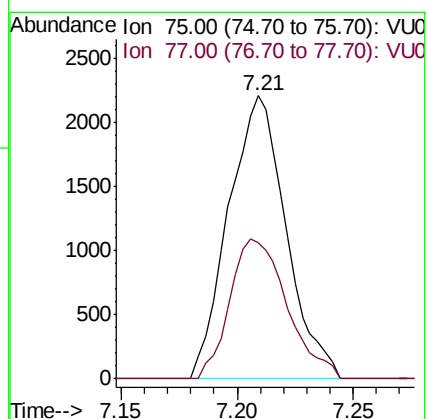
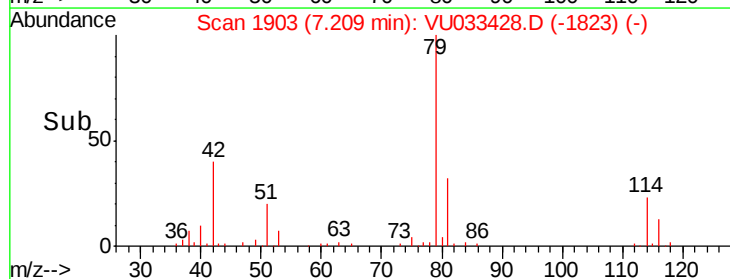
75 100

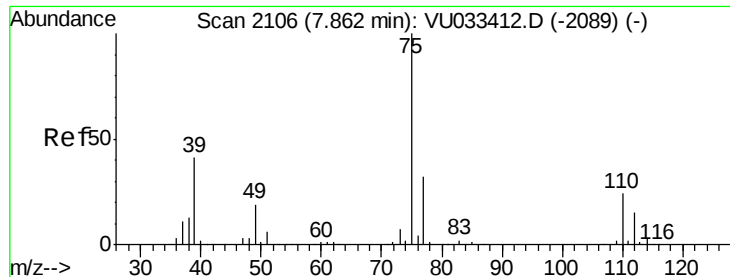
77 48.0 23.1 42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU033412.D (-1905) (-)

Ion 77.00 (76.70 to 77.70): VU033412.D (-1905) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.769 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033428.D

Acq: 25 Jul 2019 22:37

Instrument :

MSVOA_U

ClientSampleId :

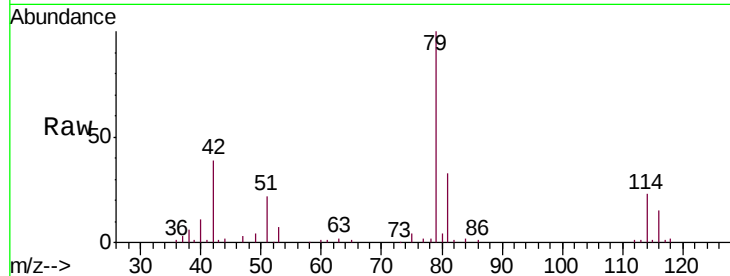
C0CB3

Tgt Ion: 75 Resp: 2392

Ion Ratio Lower Upper

75 100

77 54.7 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU033412.D (-2089) (-)

Ion 77.00 (76.70 to 77.70): VU033412.D (-2089) (-)

7.83

1500

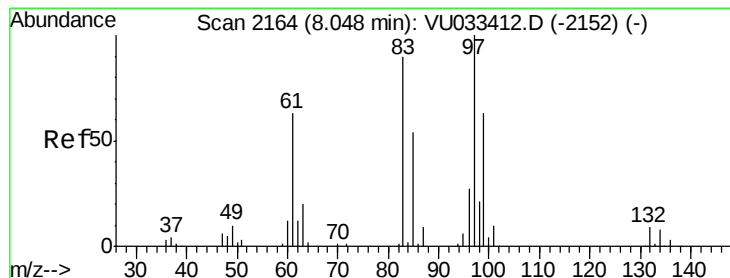
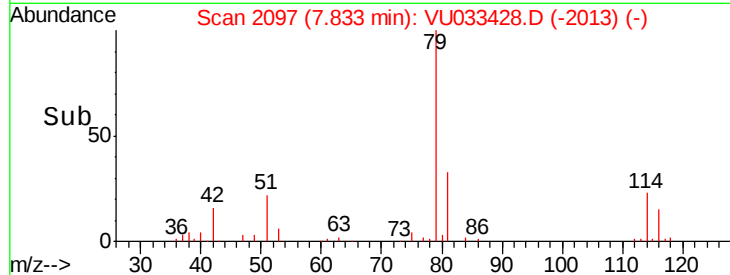
1000

500

0

7.80 7.85

Time-->



#45

1,1,2-Trichloroethane

Concen: 2.044 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VU033428.D

Acq: 25 Jul 2019 22:37

Tgt Ion: 97 Resp: 4346

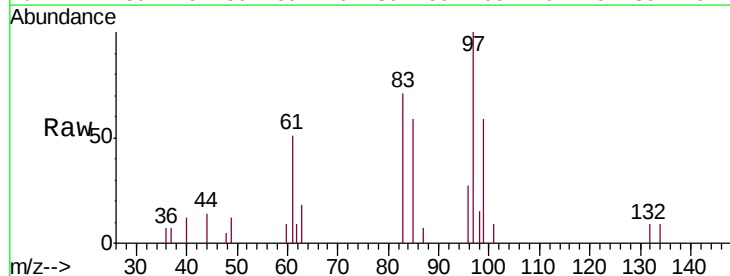
Ion Ratio Lower Upper

97 100

99 58.8 43.0 79.8

83 71.1 61.5 114.3

85 59.2 38.8 72.0



Abundance Ion 97.00 (96.70 to 97.70): VU033412.D (-2152) (-)

Ion 99.00 (98.70 to 99.70): VU033412.D (-2152) (-)

Ion 83.00 (82.70 to 83.70): VU033412.D (-2152) (-)

Ion 85.00 (84.70 to 85.70): VU033412.D (-2152) (-)

8.05

3000

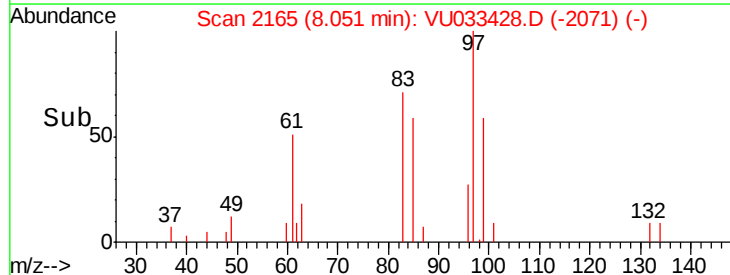
2000

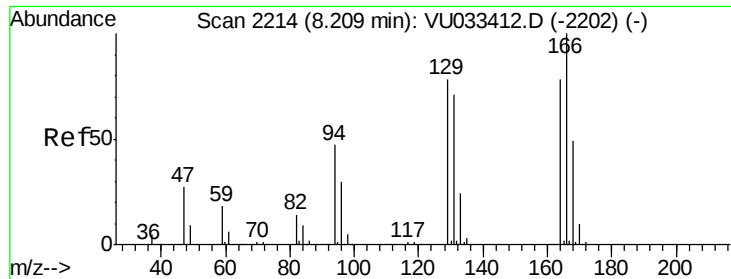
1000

0

8.00 8.05 8.10

Time-->

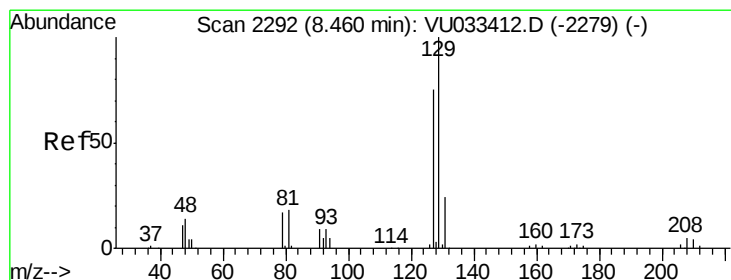
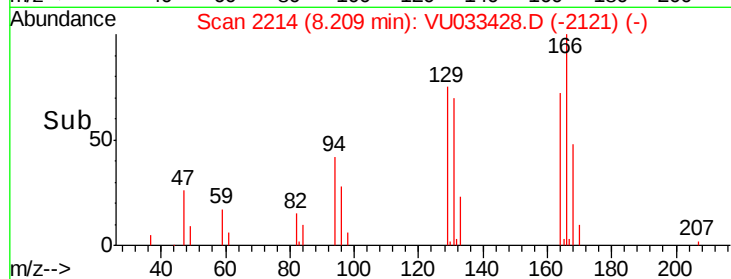
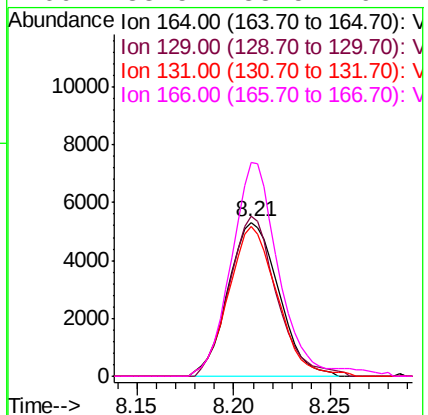
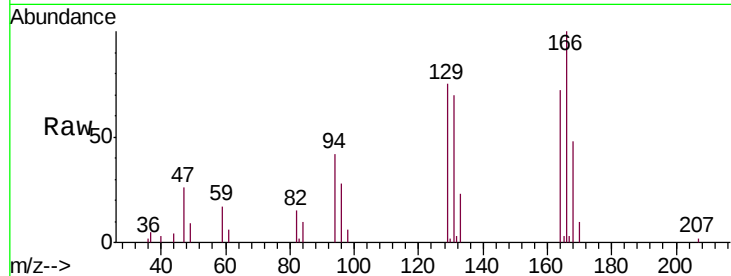




#46
Tetrachloroethene
Concen: 5.739 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033428.D
Acq: 25 Jul 2019 22:37

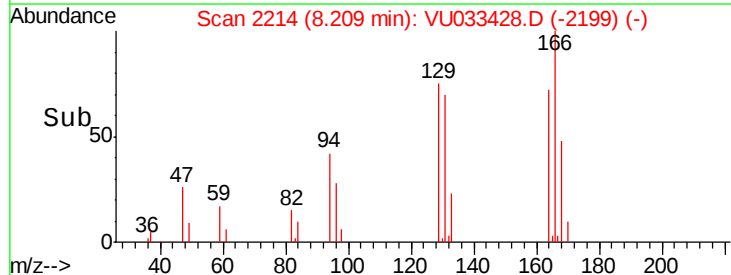
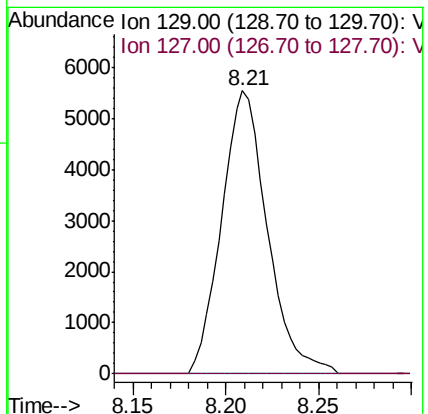
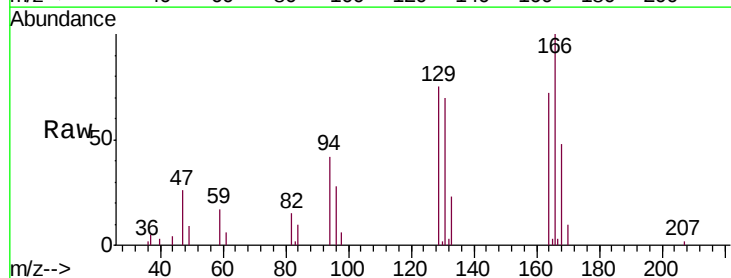
Instrument :
MSVOA_U
ClientSampleId :
C0CB3

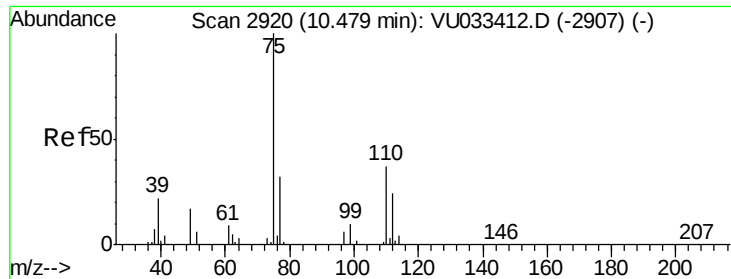
Tgt Ion:	164	Resp:	9633
Ion	Ratio	Lower	Upper
164	100		
129	103.9	69.6	129.2
131	96.9	65.7	122.1
166	138.5	88.5	164.4



#49
Dibromochloromethane
Concen: 4.006 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.25 min
Lab File: VU033428.D
Acq: 25 Jul 2019 22:37

Tgt Ion:	129	Resp:	9503
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.3	100.9#





#59

1,2,3-Trichloropropane

Concen: 4.866 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033428.D

Acq: 25 Jul 2019 22:37

Instrument :

MSVOA_U

ClientSampleId :

C0CB3

Tgt Ion: 75 Resp: 14243

Ion Ratio Lower Upper

75 100

77 39.5 26.0 39.0#

