

Data File : VU031488.D
Acq On : 24 Apr 2019 22:22
Operator : JC/SP
Sample : K2536-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X93

Quant Time: Apr 25 06:12:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 06:05:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	296097	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	299116	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	113653	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	125810	5.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.00%
7) Chloroethane-d5	1.68	69	100144	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.80%
11) 1,1-Dichloroethene-d2	2.27	63	184204	4.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.60%
20) 2-Butanone-d5	4.21	46	360214	56.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.36%
24) Chloroform-d	4.64	84	216365	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.20%
26) 1,2-Dichloroethane-d4	5.31	65	120213	6.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.20%
32) Benzene-d6	5.33	84	416652	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.33	67	152057	5.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.20%
41) Toluene-d8	7.56	98	351827	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.85	79	50589	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.31	63	260793	51.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112878	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	111095	5.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.40%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	1.88	101	866395	24.348 ug/L	99
12) 1,1-Dichloroethene	2.27	96	2710	0.132 ug/L #	1
13) Acetone	2.35	43	10450	2.314 ug/L	91
16) Methylene chloride	2.70	84	3722	0.160 ug/L	82
18) trans-1,2-Dichloroethene	2.97	96	5604	0.259 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	144061	6.426 ug/L	95
25) Chloroform	4.66	83	35027	0.916 ug/L	100
31) Carbon tetrachloride	5.13	117	17885	0.608 ug/L	93
35) Methylcyclohexane	6.33	83	31819	0.883 ug/L #	14
37) 1,2-Dichloropropane	6.33	63	16230	0.655 ug/L #	97
44) trans-1,3-Dichloropropene	7.85	75	2263	0.085 ug/L	95
45) 1,1,2-Trichloroethane	8.07	97	3086	0.183 ug/L	85
47) Tetrachloroethene	8.22	164	534968	31.430 ug/L	98
48) 2-Hexanone	8.37	43	12404	1.043 ug/L #	55
49) Dibromochloromethane	8.22	129	530695	28.056 ug/L #	9
59) 1,2,3-Trichloropropane	11.48	75	13460	0.863 ug/L	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 06:05:25 2019
Response via : Initial Calibration

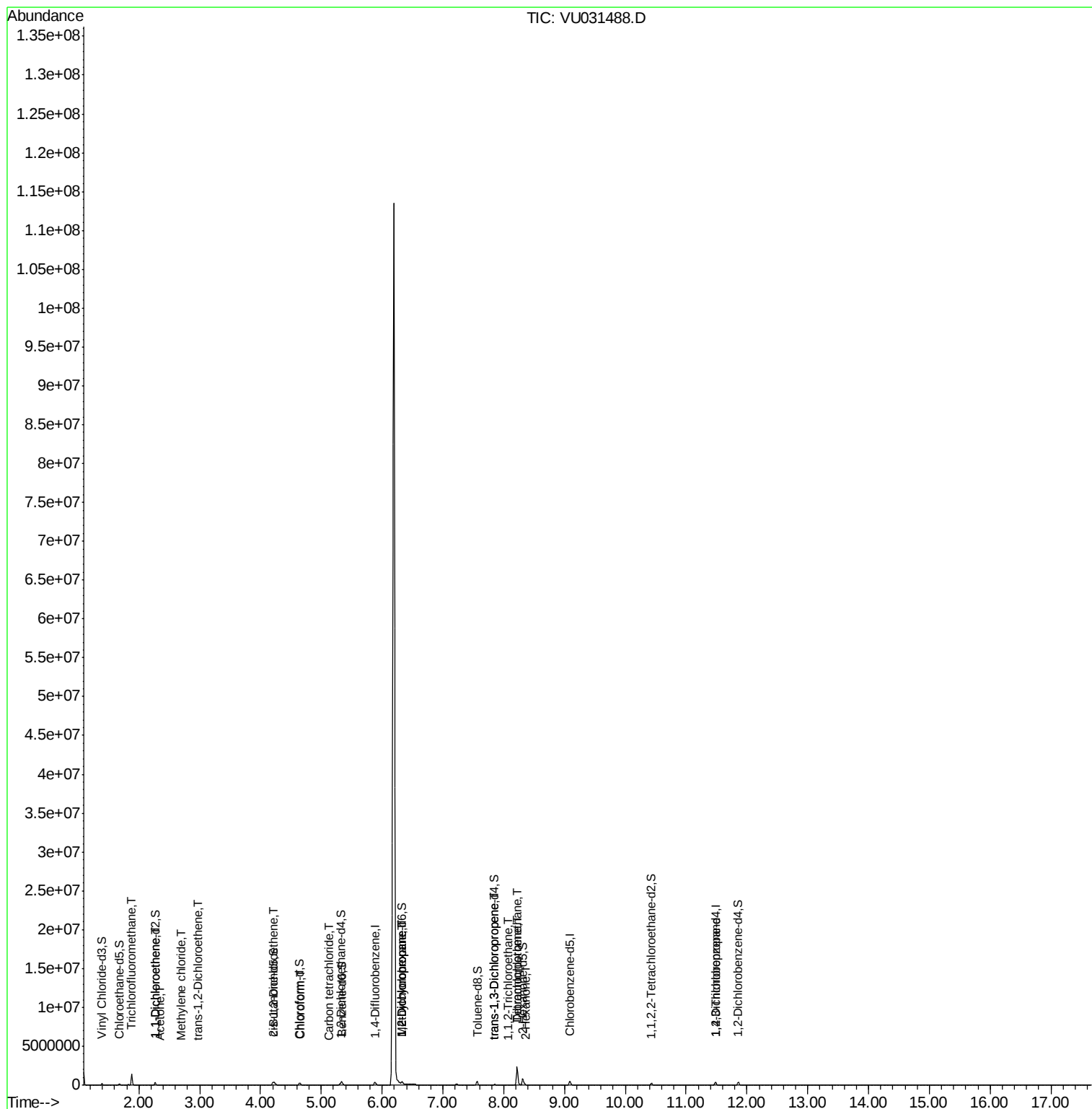
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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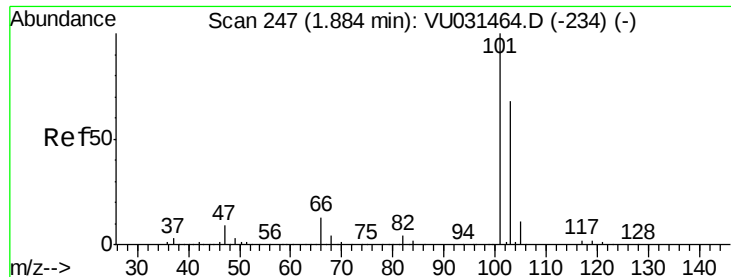
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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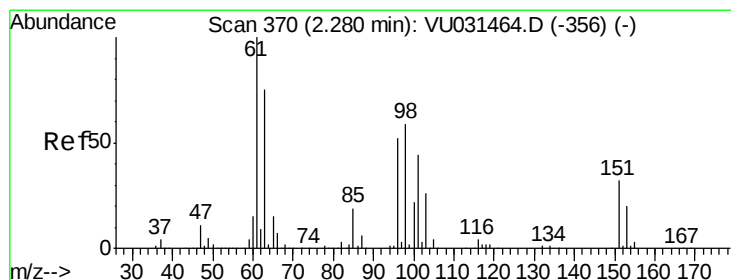
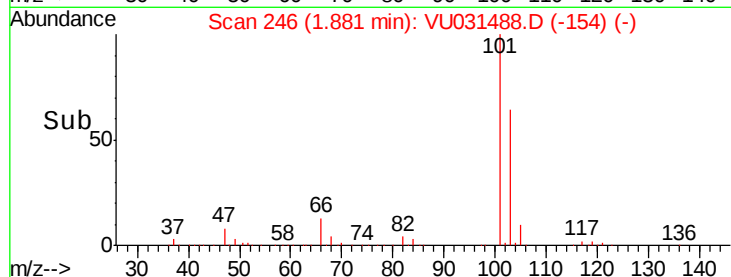
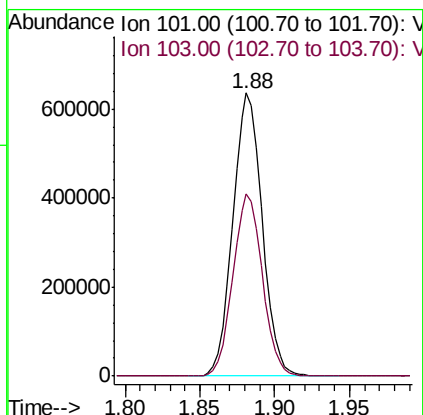
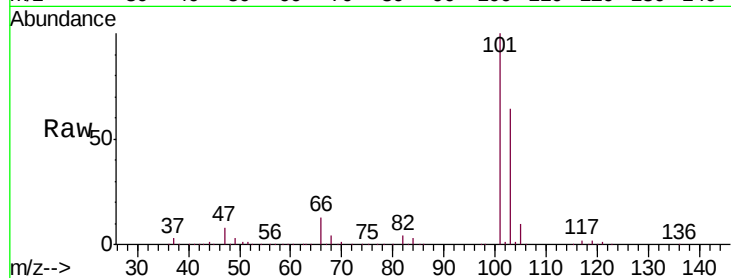


#9

Trichlorofluoromethane
 Concen: 24.348 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. -0.00 min
 Lab File: VU031488.D
 Acq: 24 Apr 2019 22:22

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X93

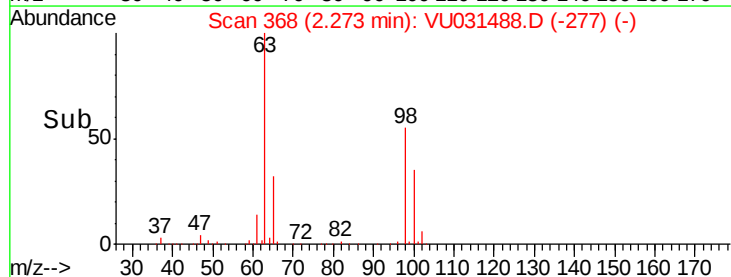
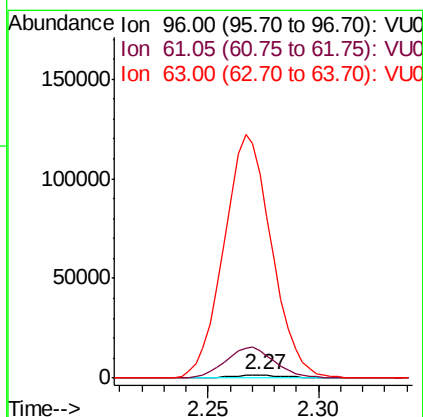
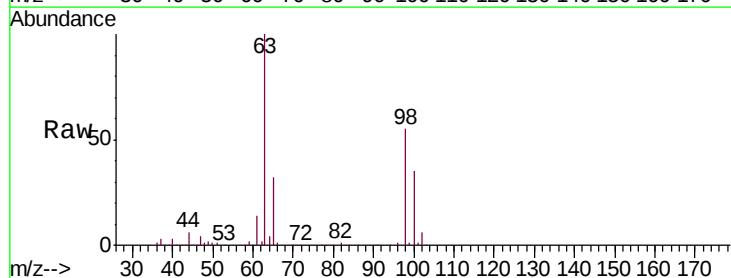
Tgt Ion:101 Resp: 866395
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.7 79.1

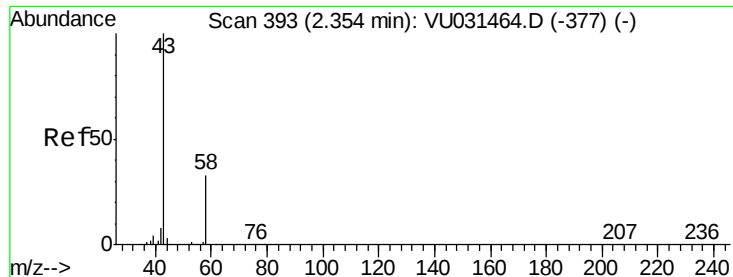


#12

1,1-Dichloroethene
 Concen: 0.132 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VU031488.D
 Acq: 24 Apr 2019 22:22

Tgt Ion: 96 Resp: 2710
 Ion Ratio Lower Upper
 96 100
 61 908.7 131.3 243.8#
 63 6676.2 101.9 189.3#





#13

Acetone

Concen: 2.314 ug/L

RT: 2.35 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU031488.D

Acq: 24 Apr 2019 22:22

Instrument :

MSVOA_U

ClientSampleId :

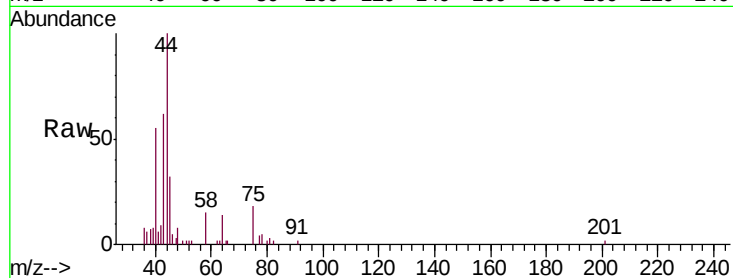
C0X93

Tgt Ion: 43 Resp: 10450

Ion Ratio Lower Upper

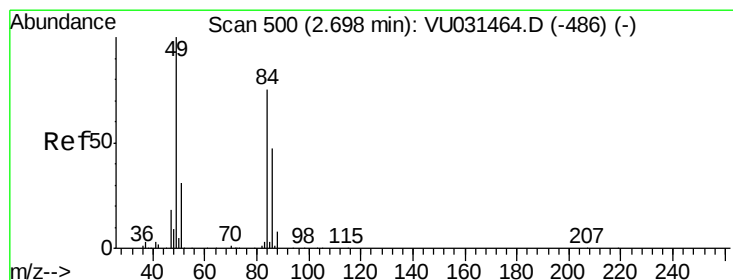
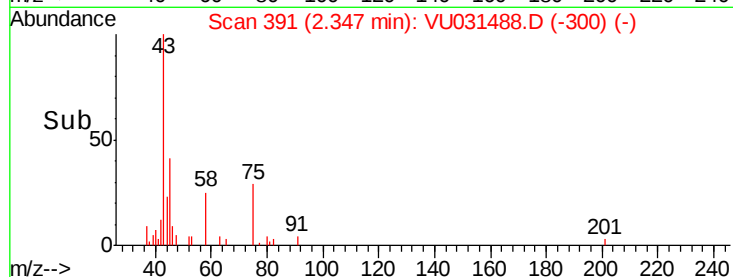
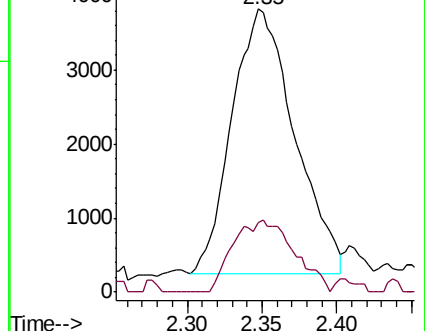
43 100

58 26.4 0.0 62.4



Abundance Ion 43.05 (42.75 to 43.75): VU031464.D (-377) (-)

Ion 58.05 (57.75 to 58.75): VU031464.D (-377) (-)



#16

Methylene chloride

Concen: 0.160 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU031488.D

Acq: 24 Apr 2019 22:22

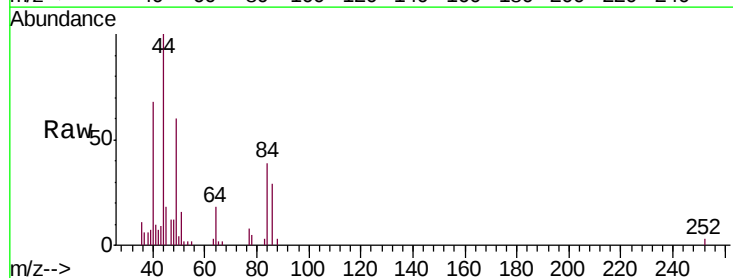
Tgt Ion: 84 Resp: 3722

Ion Ratio Lower Upper

84 100

86 75.4 44.9 83.5

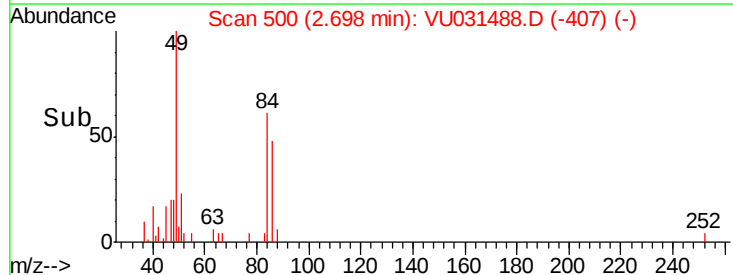
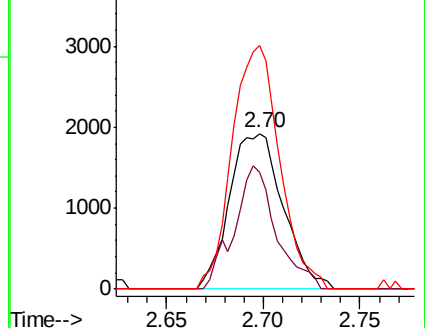
49 156.5 92.9 172.5

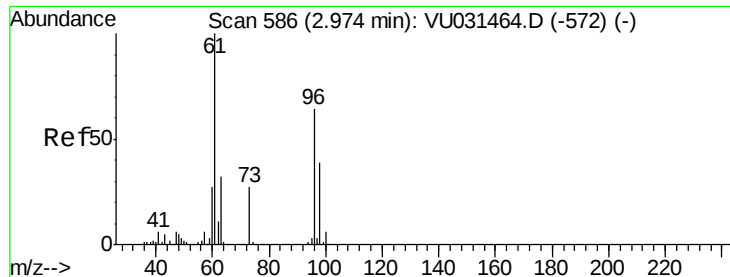


Abundance Ion 84.05 (83.75 to 84.75): VU031464.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU031464.D (-486) (-)

Ion 49.10 (48.80 to 49.80): VU031464.D (-486) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.259 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU031488.D

Acq: 24 Apr 2019 22:22

Instrument :

MSVOA_U

ClientSampleId :

C0X93

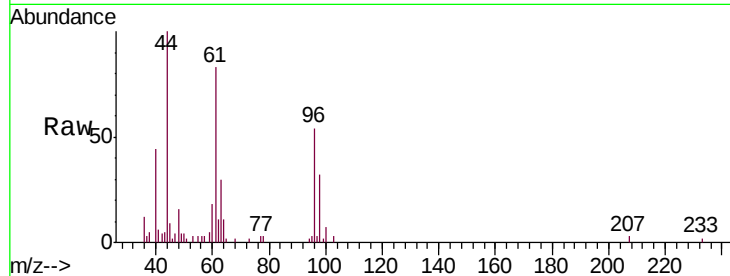
Tgt Ion: 96 Resp: 5604

Ion Ratio Lower Upper

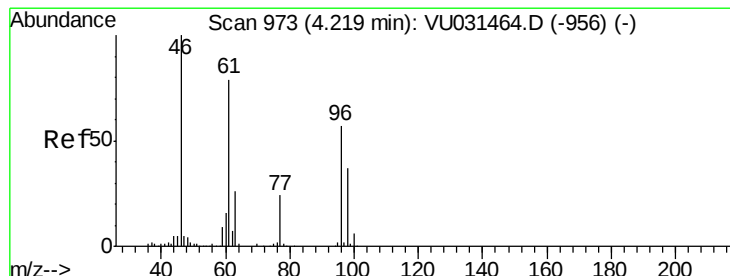
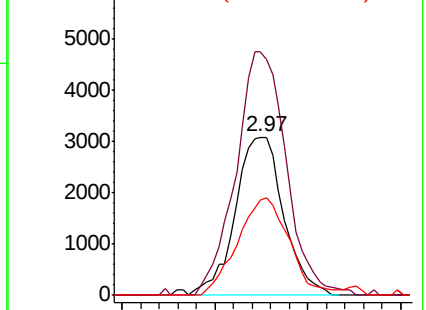
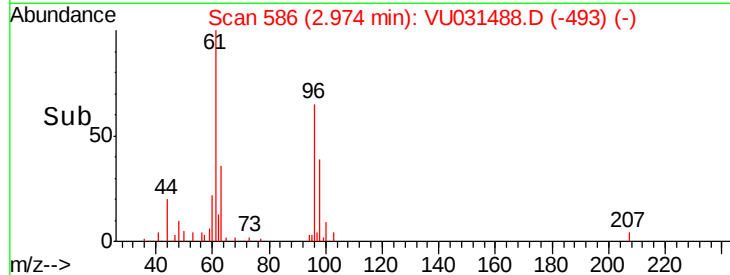
96 100

61 153.7 108.4 201.2

98 60.3 45.1 83.9



Abundance Ion 96.00 (95.70 to 96.70): VU031488.D (-493) (-)



#22

cis-1,2-Dichloroethene

Concen: 6.426 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031488.D

Acq: 24 Apr 2019 22:22

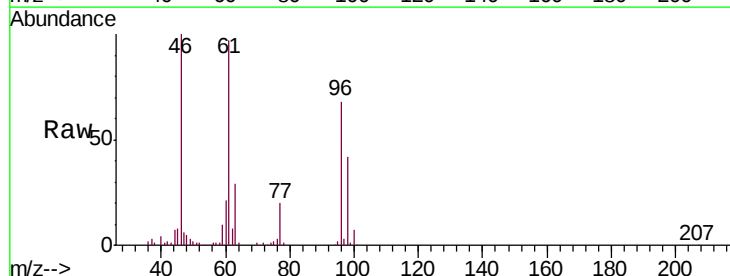
Tgt Ion: 96 Resp: 144061

Ion Ratio Lower Upper

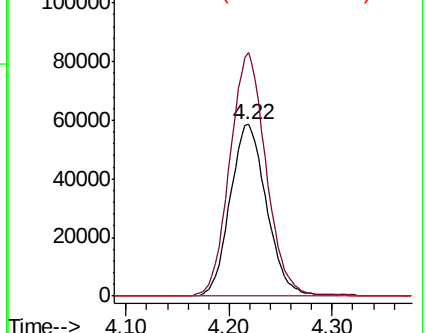
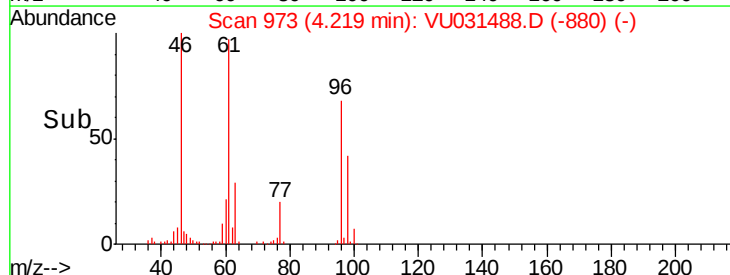
96 100

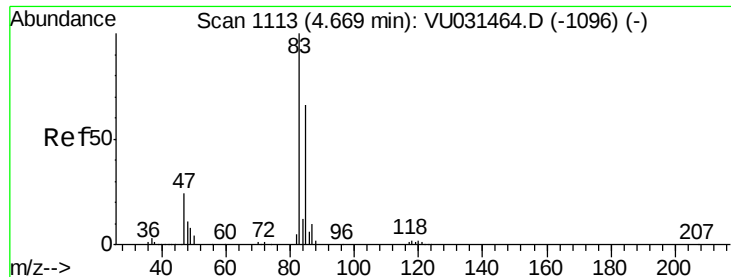
61 141.7 94.8 176.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031488.D (-880) (-)





#25

Chloroform

Concen: 0.916 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VU031488.D

Acq: 24 Apr 2019 22:22

Instrument :

MSVOA_U

ClientSampleId :

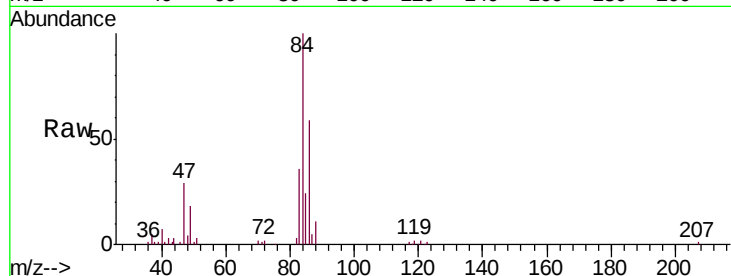
C0X93

Tgt Ion: 83 Resp: 35027

Ion Ratio Lower Upper

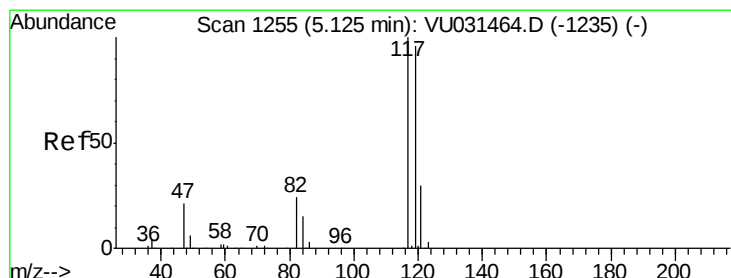
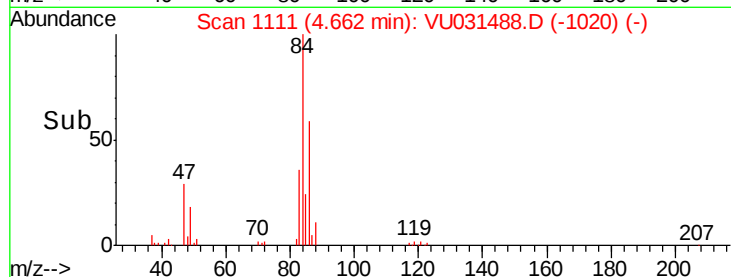
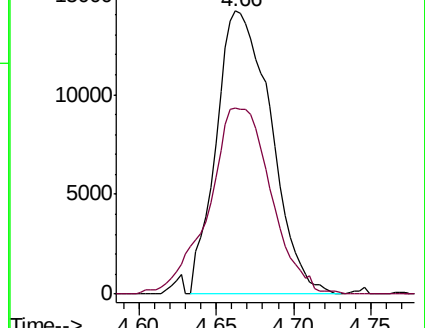
83 100

85 65.8 46.0 85.4



Abundance Ion 83.05 (82.75 to 83.75): VU031464.D (-1096) (-)

Ion 85.00 (84.70 to 85.70): VU031464.D (-1096) (-)



#31

Carbon tetrachloride

Concen: 0.608 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU031488.D

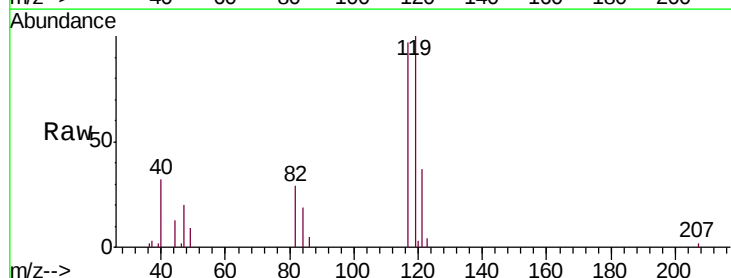
Acq: 24 Apr 2019 22:22

Tgt Ion: 117 Resp: 17885

Ion Ratio Lower Upper

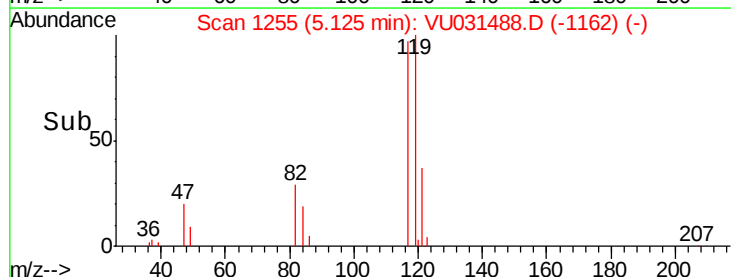
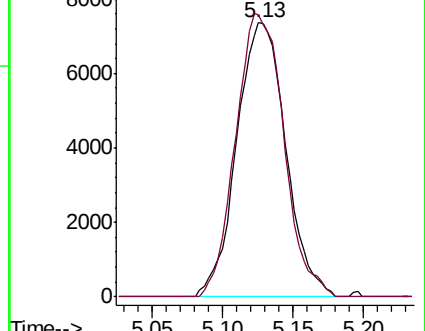
117 100

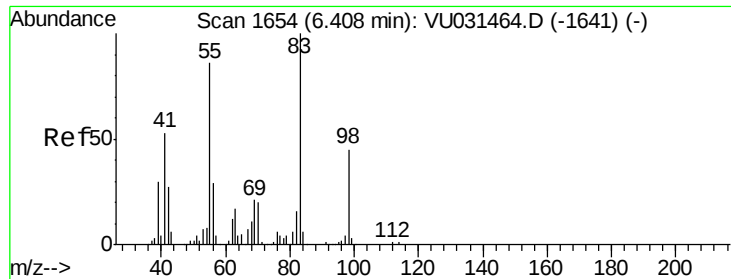
119 101.7 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): VU031464.D (-1235) (-)

Ion 118.90 (118.60 to 119.60): VU031464.D (-1235) (-)

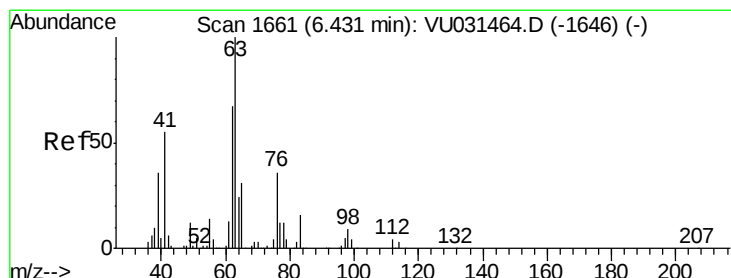
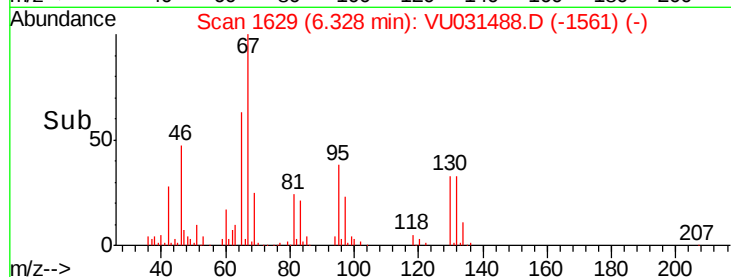
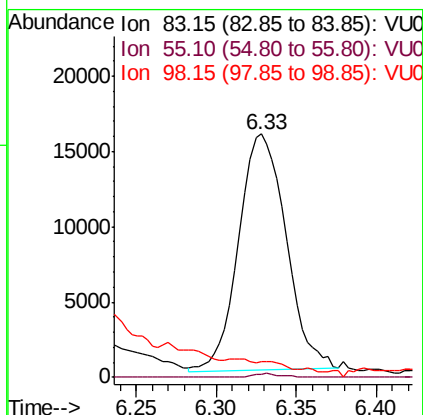
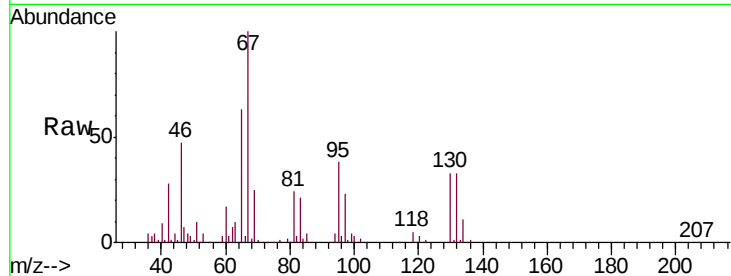




#35
Methylcyclohexane
Concen: 0.883 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU031488.D
Acq: 24 Apr 2019 22:22

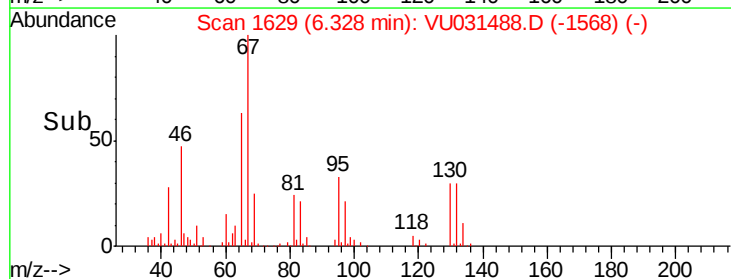
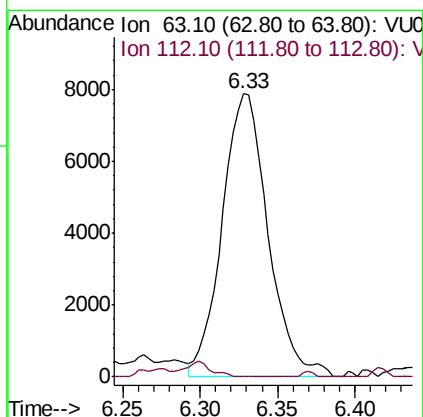
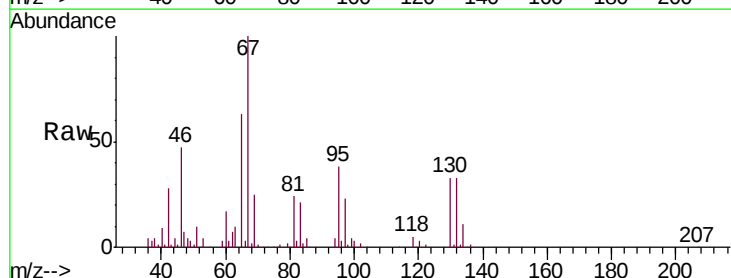
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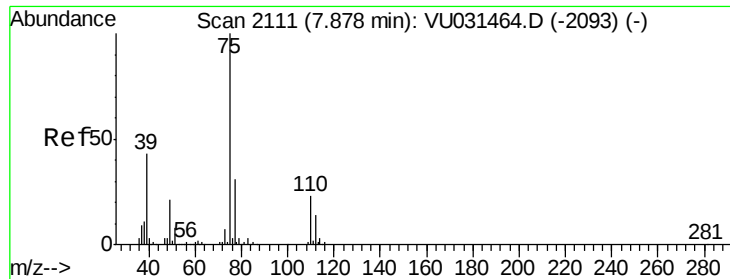
Tgt Ion: 83 Resp: 31819
Ion Ratio Lower Upper
83 100
55 0.9 71.1 106.7#
98 0.0 36.6 54.8#



#37
1,2-Dichloropropane
Concen: 0.655 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU031488.D
Acq: 24 Apr 2019 22:22

Tgt Ion: 63 Resp: 16230
Ion Ratio Lower Upper
63 100
112 2.9 3.0 4.6#





#44

trans-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU031488.D

Acq: 24 Apr 2019 22:22

Instrument :

MSVOA_U

ClientSampled :

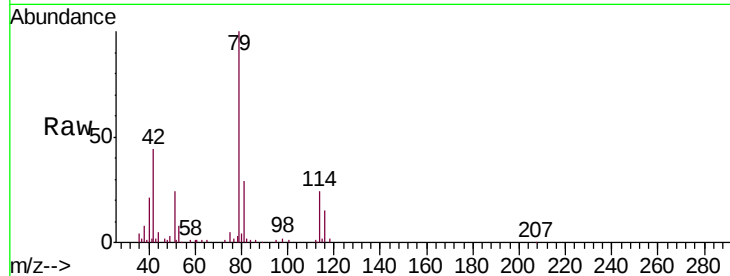
C0X93

Tgt Ion: 75 Resp: 2263

Ion Ratio Lower Upper

75 100

77 34.7 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU031464.D (-2093) (-)

Ion 77.05 (76.75 to 77.75): VU031464.D (-2093) (-)

7.85

1500

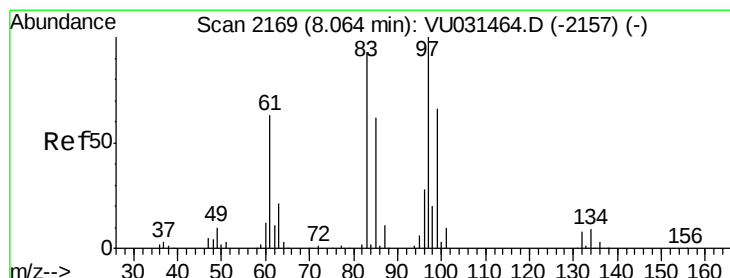
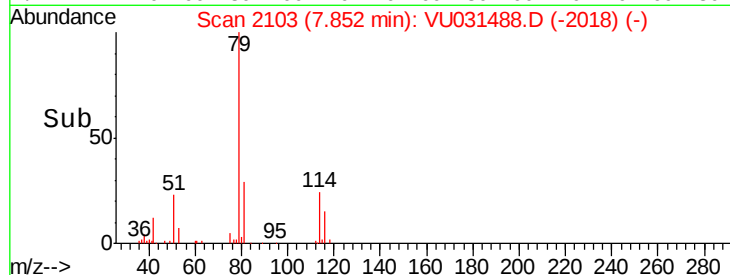
1000

500

0

7.80 7.85 7.90

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.183 ug/L

RT: 8.07 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VU031488.D

Acq: 24 Apr 2019 22:22

Tgt Ion: 97 Resp: 3086

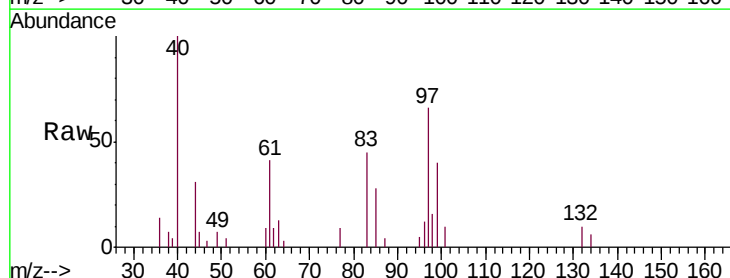
Ion Ratio Lower Upper

97 100

99 60.7 41.2 76.6

83 69.3 62.2 115.4

85 42.4 39.2 72.8



Abundance Ion 96.95 (96.65 to 97.65): VU031464.D (-2157) (-)

Ion 99.05 (98.75 to 99.75): VU031464.D (-2157) (-)

Ion 82.95 (82.65 to 83.65): VU031464.D (-2157) (-)

Ion 85.00 (84.70 to 85.70): VU031464.D (-2157) (-)

3000

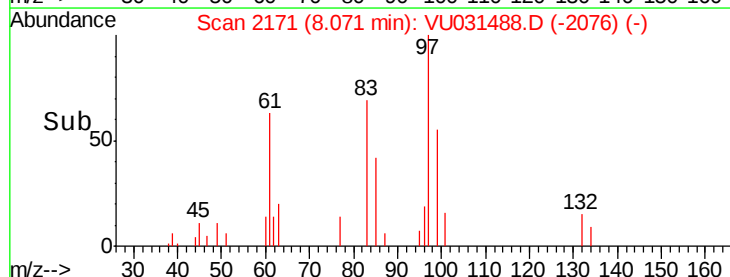
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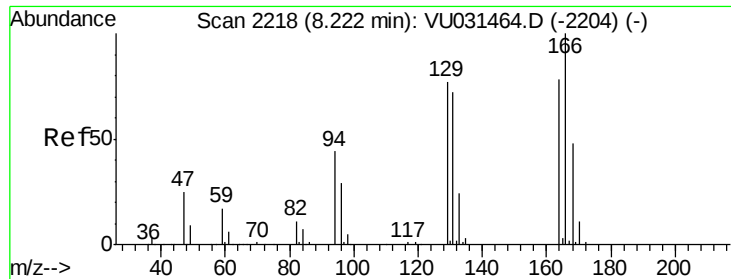
1000

0

8.04 8.06 8.08 8.10

Time-->





#47

Tetrachloroethene

Concen: 31.430 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031488.D

Acq: 24 Apr 2019 22:22

Instrument :

MSVOA_U

ClientSampleId :

C0X93

Tgt Ion:164 Resp: 534968

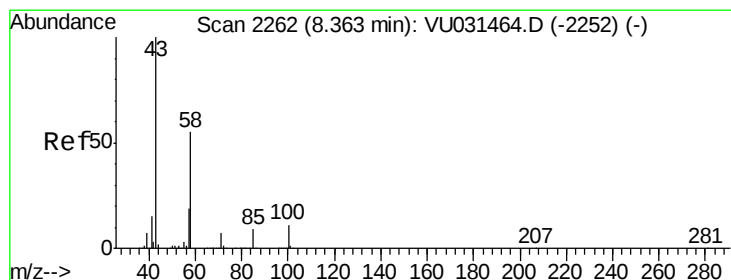
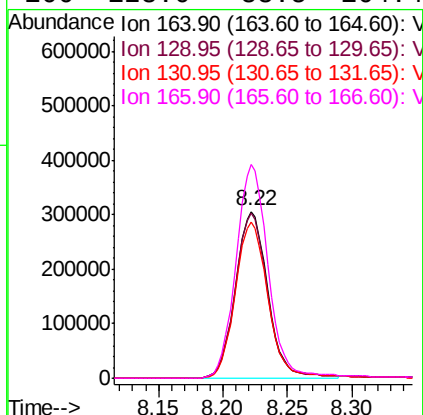
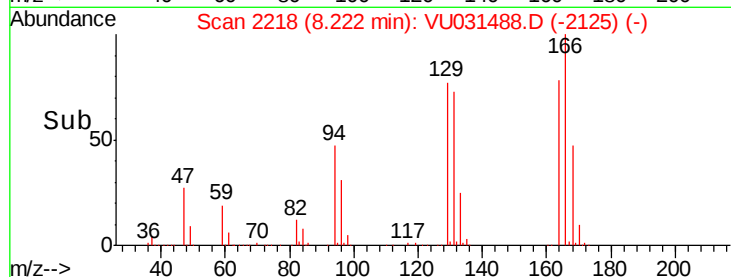
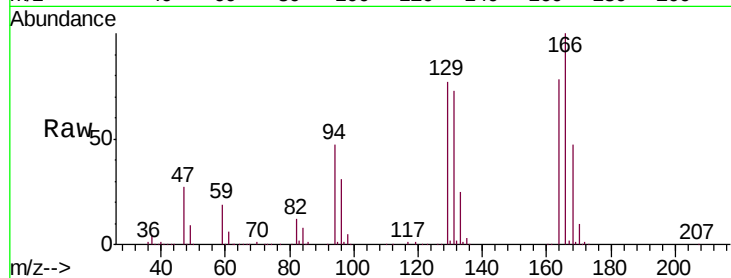
Ion Ratio Lower Upper

164 100

129 98.7 67.5 125.3

131 93.5 64.0 119.0

166 128.0 88.5 164.4



#48

2-Hexanone

Concen: 1.043 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU031488.D

Acq: 24 Apr 2019 22:22

Tgt Ion: 43 Resp: 12404

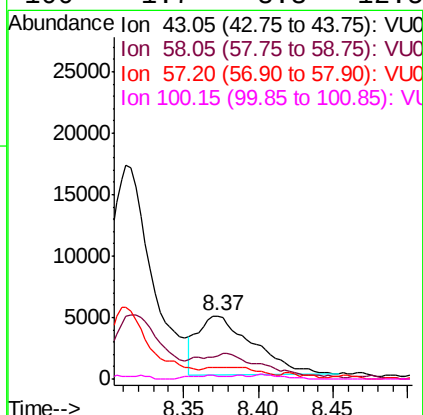
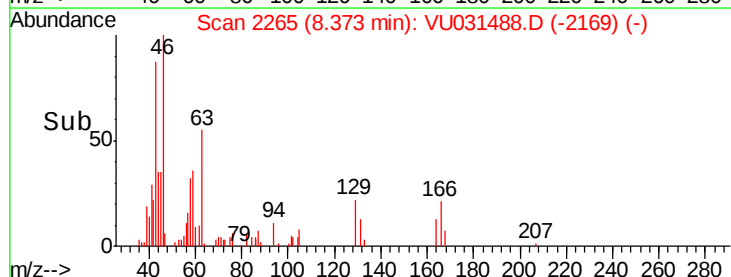
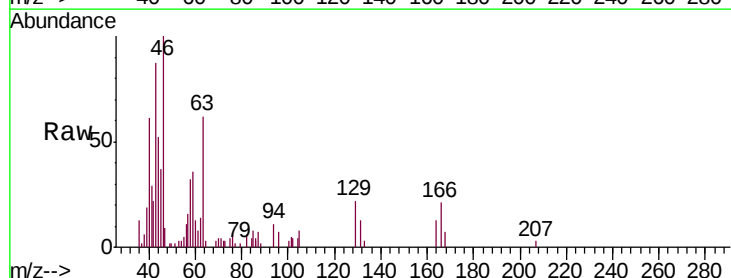
Ion Ratio Lower Upper

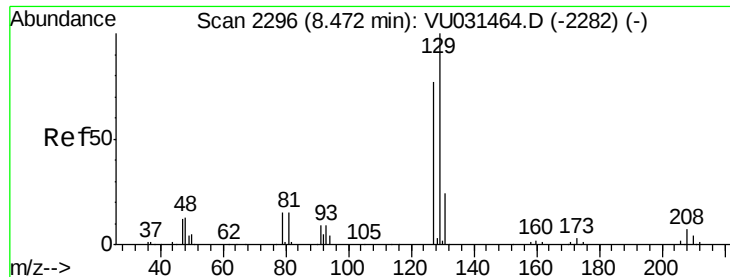
43 100

58 10.5 44.6 67.0#

57 15.9 15.3 22.9

100 1.7 8.3 12.5#





#49

Dibromochloromethane

Concen: 28.056 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU031488.D

Acq: 24 Apr 2019 22:22

Instrument :

MSVOA_U

ClientSampleId :

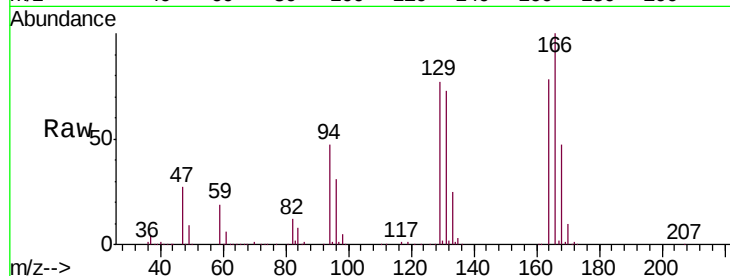
C0X93

Tgt Ion:129 Resp: 530695

Ion Ratio Lower Upper

129 100

127 0.2 56.6 105.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

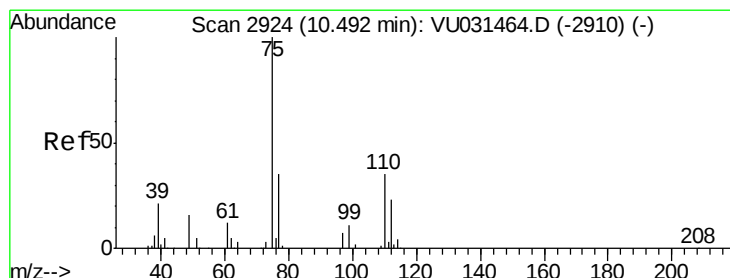
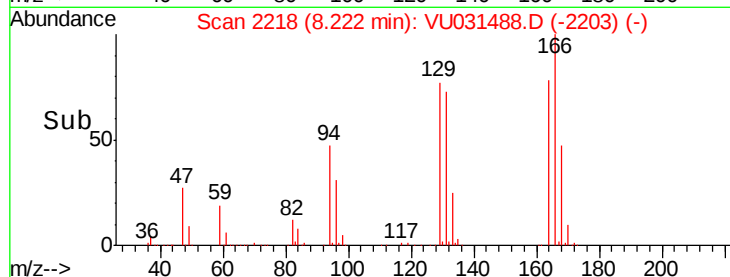
300000

200000

100000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.863 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031488.D

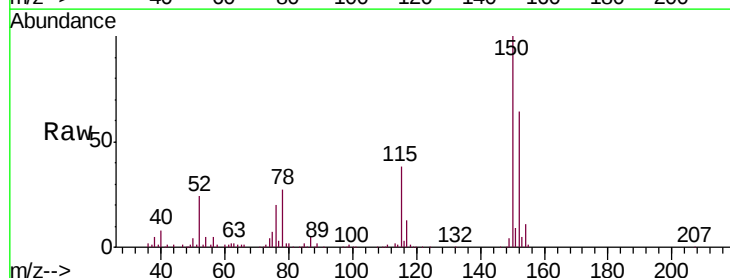
Acq: 24 Apr 2019 22:22

Tgt Ion: 75 Resp: 13460

Ion Ratio Lower Upper

75 100

77 37.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

8000

6000

4000

2000

0

Time-->

