

Data File : VU030786.D
Acq On : 06 Apr 2019 09:04
Operator : JC/SP
Sample : K2249-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YE1

Quant Time: Apr 08 01:08:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 08 01:03:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	467086	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	455067	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	191136	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	213594	51.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.46%
7) Chloroethane-d5	1.68	69	164540	51.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.98%
11) 1,1-Dichloroethene-d2	2.27	63	321937	42.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.38%
21) 2-Butanone-d5	4.17	46	334198	101.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.13%
24) Chloroform-d	4.64	84	307857	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.66%
26) 1,2-Dichloroethane-d4	5.31	65	220369	50.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.42%
32) Benzene-d6	5.34	84	667108	50.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.44%
36) 1,2-Dichloropropane-d6	6.32	67	227940	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.14%
41) Toluene-d8	7.56	98	565894	48.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.12%
43) trans-1,3-Dichloropropene-	7.85	79	93850	45.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.42%
47) 2-Hexanone-d5	8.31	63	195911	94.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.15%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299641	48.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	192794	51.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.58%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	1.88	101	3715	0.621 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2536	0.758 ug/L #	20
13) Acetone	2.32	43	21932	6.486 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	30346	8.852 ug/L	96
19) 1,1-Dichloroethane	3.44	63	713259	100.817 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	1917271	506.502 ug/L	98
25) Chloroform	4.67	83	23586	3.317 ug/L	98
27) 1,2-Dichloroethane	5.41	62	6244	1.151 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	1154804	208.227 ug/L	100
31) Carbon tetrachloride	4.91	117	145937	30.536 ug/L	98
34) Trichloroethene	6.19	95	17833	4.882 ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	2127	0.595 ug/L	90
46) Tetrachloroethene	8.22	164	52149	19.638 ug/L	94
48) 2-Hexanone	8.31	43	26851	5.075 ug/L #	78
59) 1,2,3-Trichloropropane	11.48	75	25050	4.960 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Mon Apr 08 01:03:28 2019
Response via : Initial Calibration

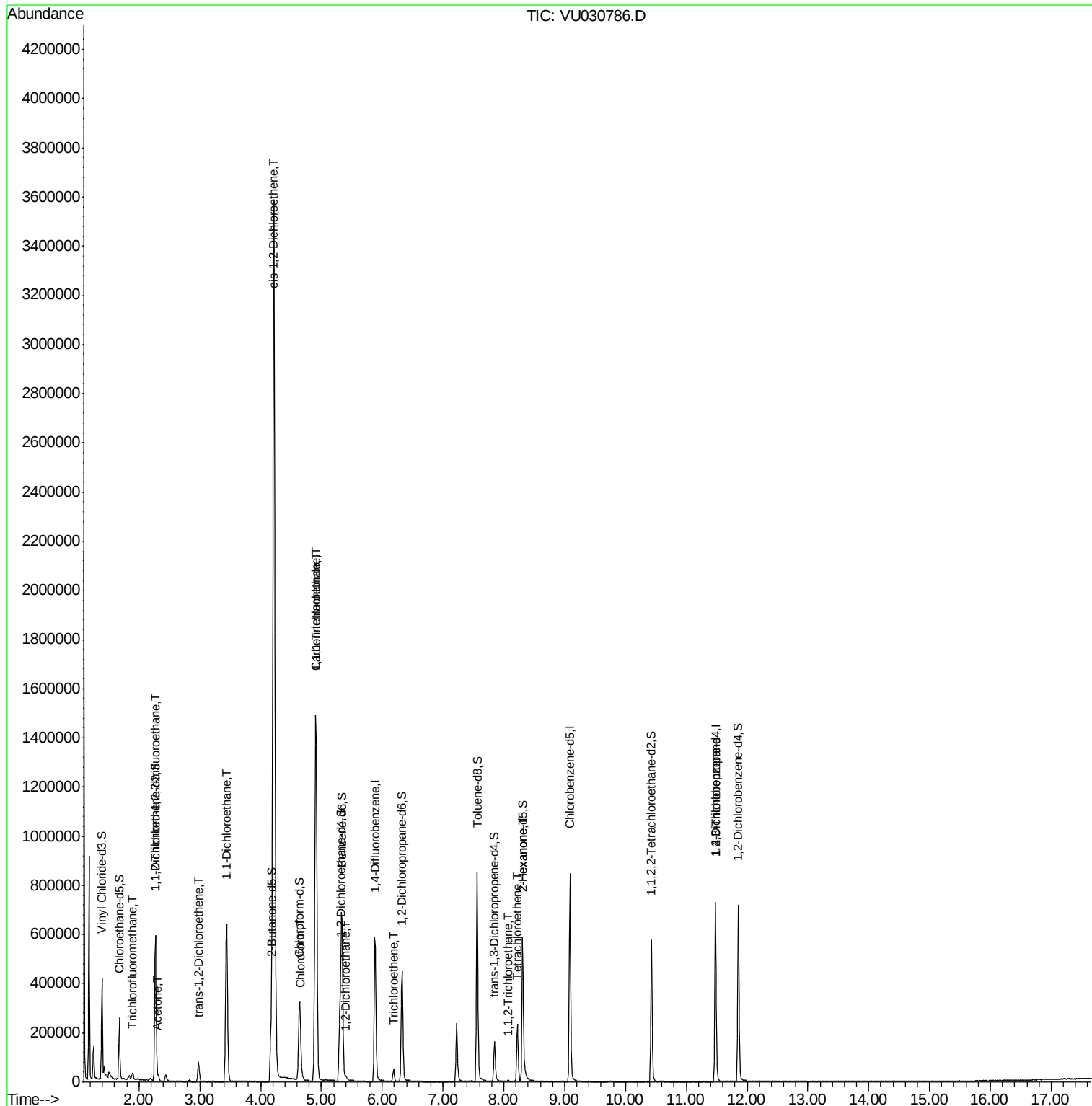
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

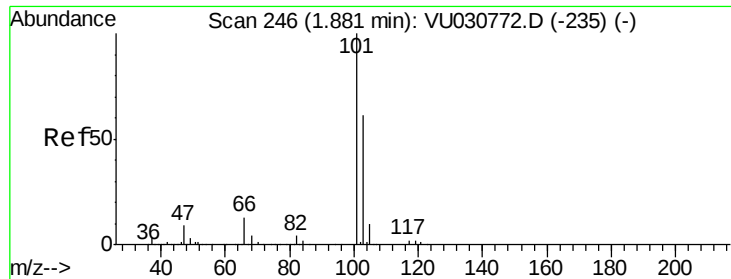
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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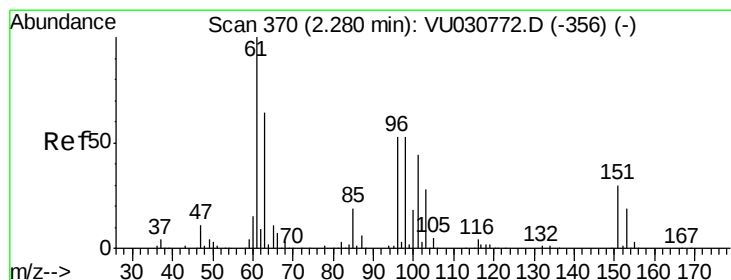
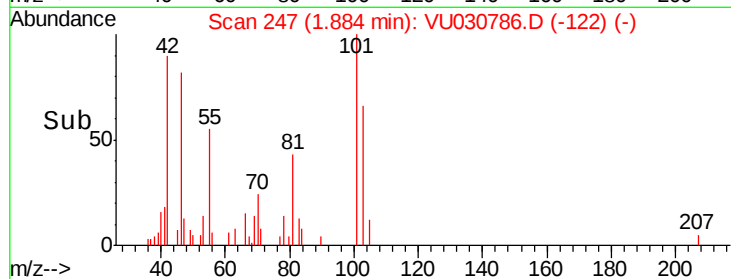
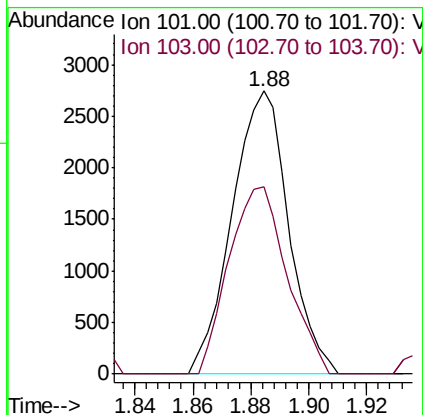
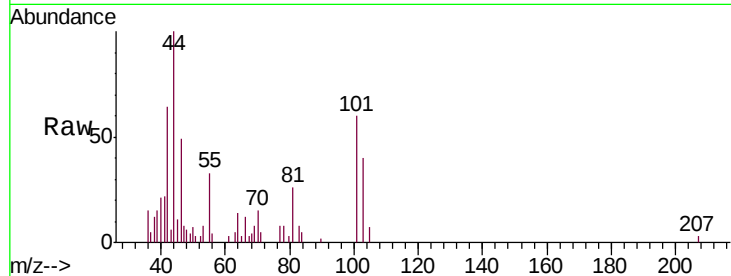


#9

Trichlorofluoromethane
 Concen: 0.621 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030786.D
 Acq: 06 Apr 2019 09:04

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE1

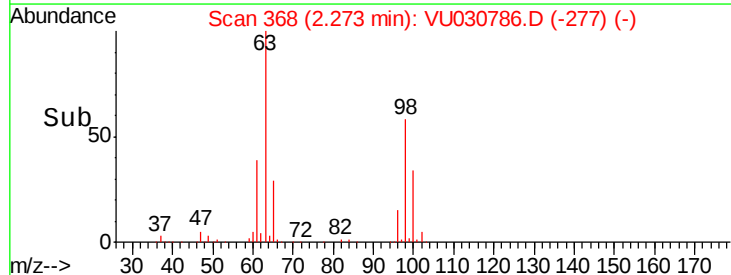
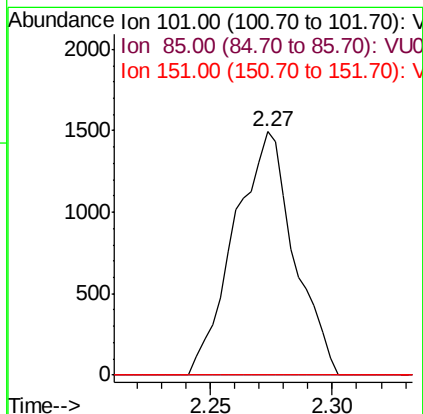
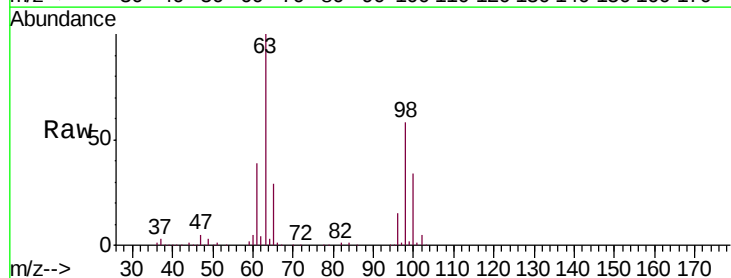
Tgt Ion:101 Resp: 3715
 Ion Ratio Lower Upper
 101 100
 103 68.1 51.8 77.8

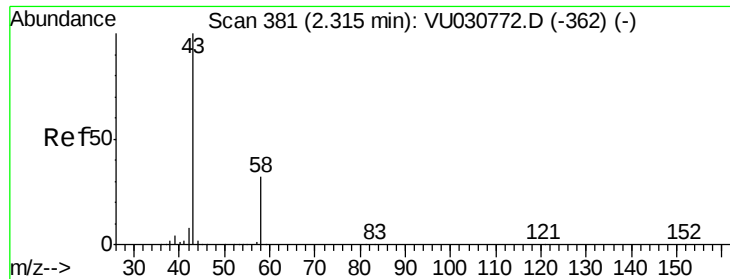


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.758 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VU030786.D
 Acq: 06 Apr 2019 09:04

Tgt Ion:101 Resp: 2536
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.8 55.2#
 151 0.0 57.4 86.0#





#13

Acetone

Concen: 6.486 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU030786.D

Acq: 06 Apr 2019 09:04

Instrument :

MSVOA_U

ClientSampleId :

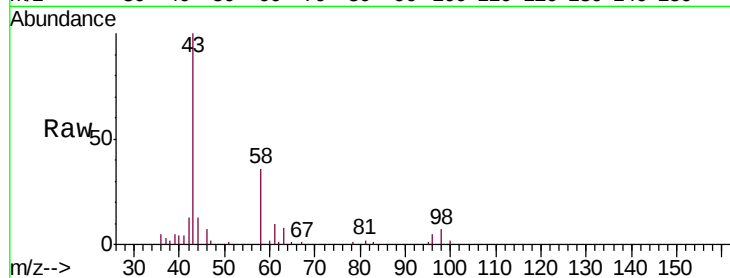
E3YE1

Tgt Ion: 43 Resp: 21932

Ion Ratio Lower Upper

43 100

58 29.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030772.D (-362) (-)

Ion 58.00 (57.70 to 58.70): VU030772.D (-362) (-)

2.32

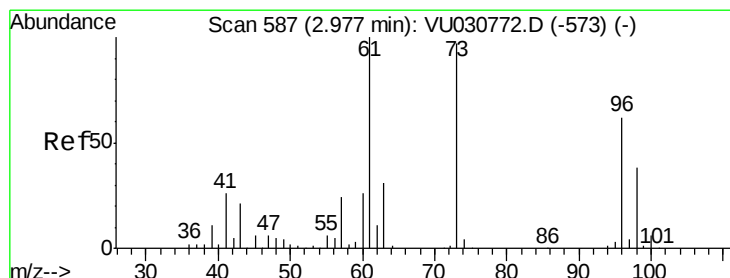
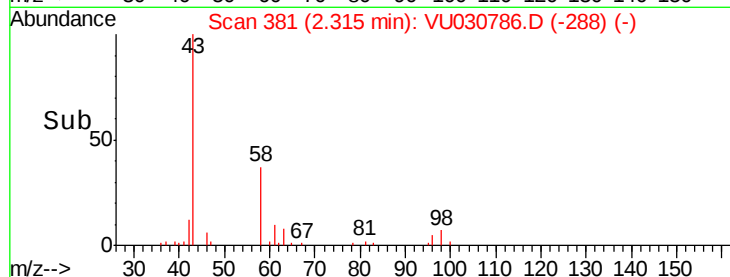
10000

5000

0

Time-->

2.25 2.30 2.35 2.40



#17

trans-1,2-Dichloroethene

Concen: 8.852 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030786.D

Acq: 06 Apr 2019 09:04

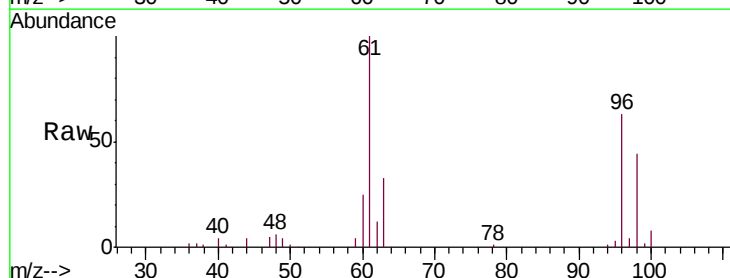
Tgt Ion: 96 Resp: 30346

Ion Ratio Lower Upper

96 100

61 159.0 109.5 203.3

98 70.0 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030772.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU030772.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU030772.D (-573) (-)

2.98

30000

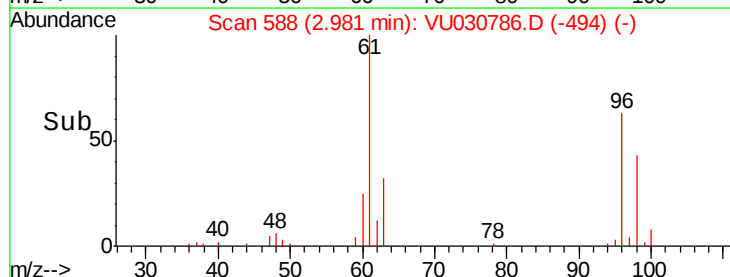
20000

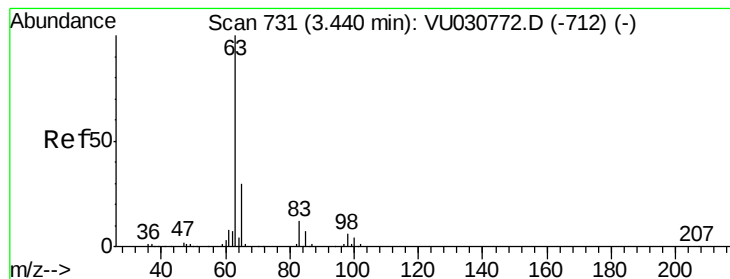
10000

0

Time-->

2.90 2.95 3.00 3.05





#19

1,1-Dichloroethane

Concen: 100.817 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU030786.D

Acq: 06 Apr 2019 09:04

Instrument :

MSVOA_U

ClientSampleId :

E3YE1

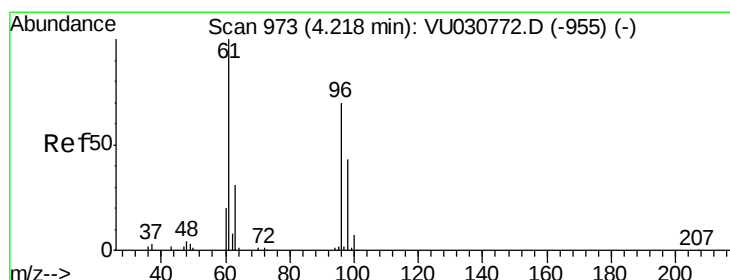
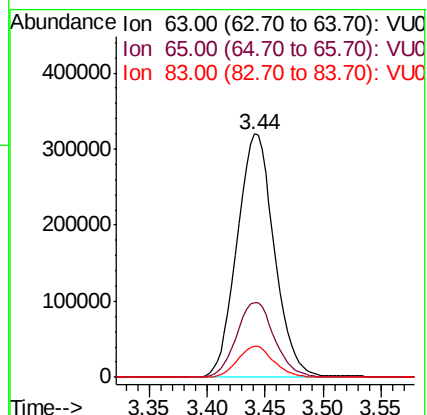
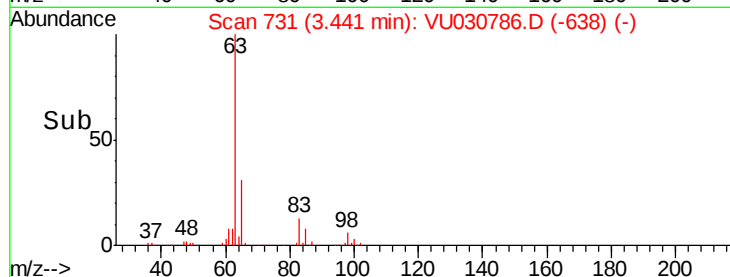
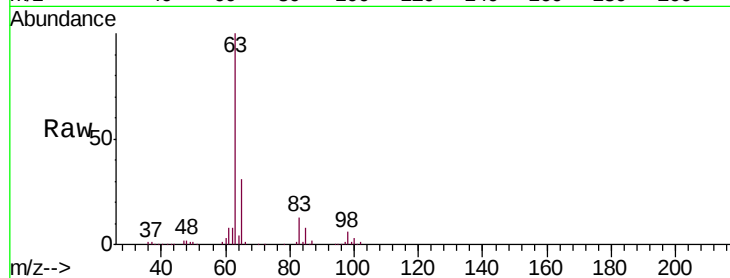
Tgt Ion: 63 Resp: 713259

Ion Ratio Lower Upper

63 100

65 30.6 21.4 39.8

83 13.0 8.5 15.7



#20

cis-1,2-Dichloroethene

Concen: 506.502 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030786.D

Acq: 06 Apr 2019 09:04

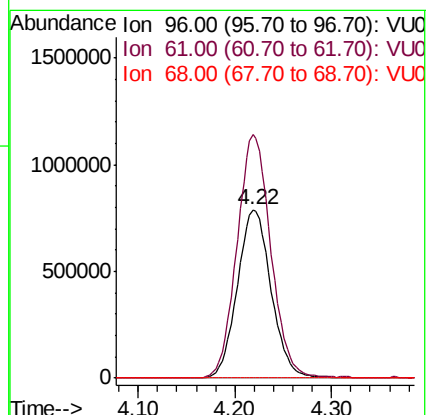
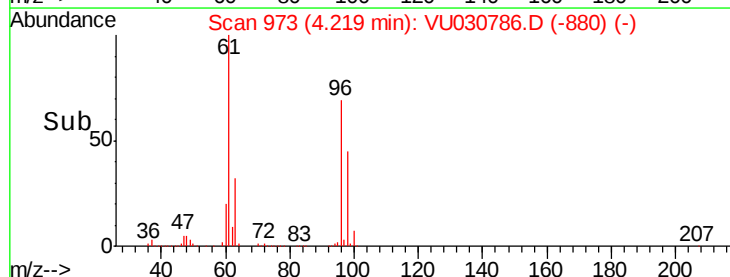
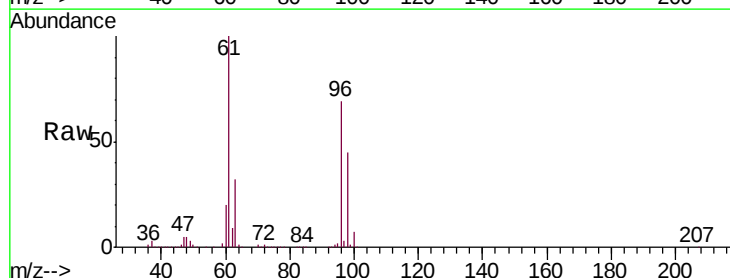
Tgt Ion: 96 Resp: 1917271

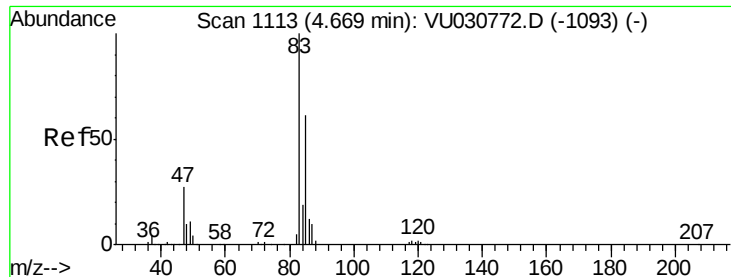
Ion Ratio Lower Upper

96 100

61 144.7 102.9 191.1

68 0.0 0.0 0.0





#25

Chloroform

Concen: 3.317 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU030786.D

Acq: 06 Apr 2019 09:04

Instrument :

MSVOA_U

ClientSampleId :

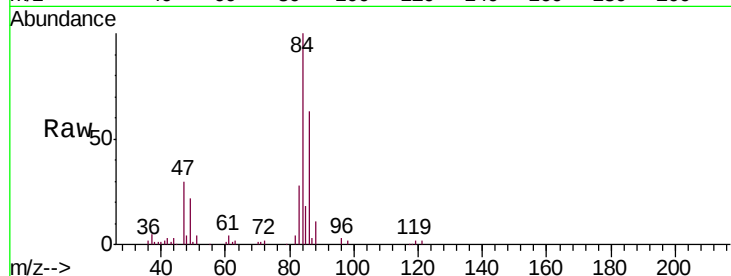
E3YE1

Tgt Ion: 83 Resp: 23586

Ion Ratio Lower Upper

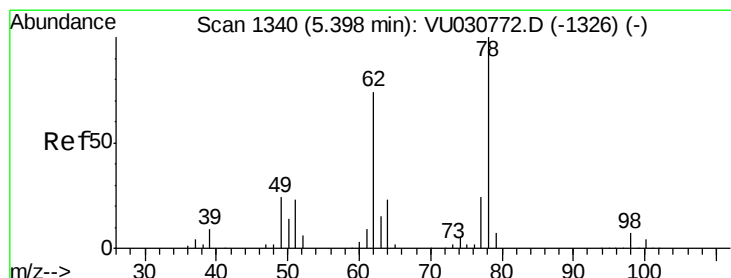
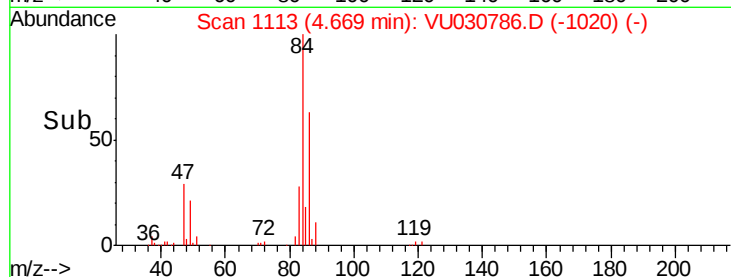
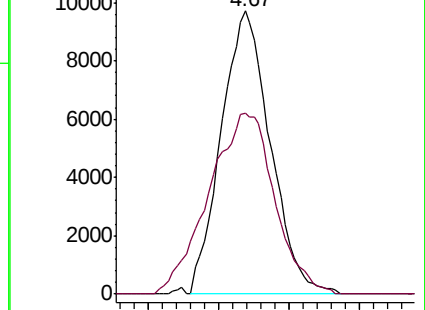
83 100

85 64.1 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU030772.D (-1093) (-)

Ion 85.00 (84.70 to 85.70): VU030772.D (-1093) (-)



#27

1,2-Dichloroethane

Concen: 1.151 ug/L

RT: 5.41 min Scan# 1342

Delta R.T. 0.01 min

Lab File: VU030786.D

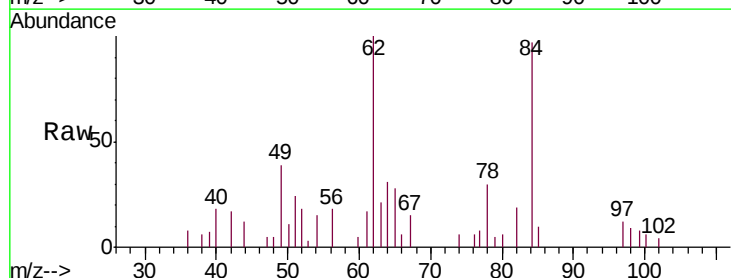
Acq: 06 Apr 2019 09:04

Tgt Ion: 62 Resp: 6244

Ion Ratio Lower Upper

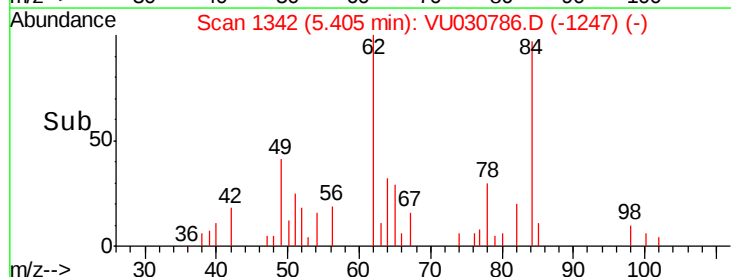
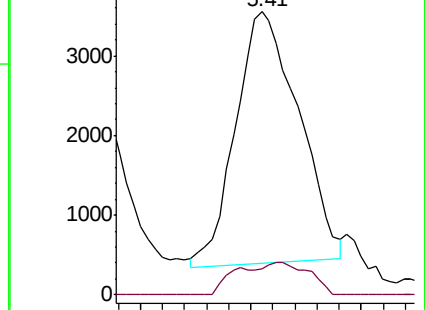
62 100

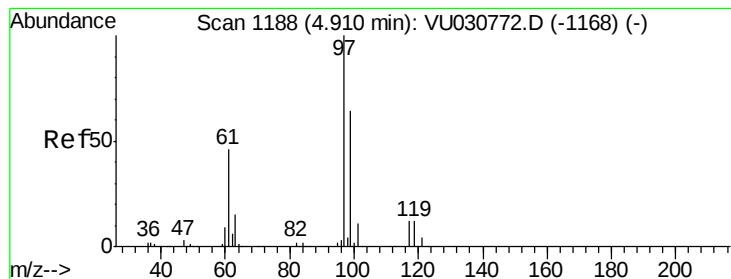
98 9.3 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU030772.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU030772.D (-1326) (-)





#30

1,1,1-Trichloroethane

Concen: 208.227 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU030786.D

Acq: 06 Apr 2019 09:04

Instrument :

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ClientSampleId :

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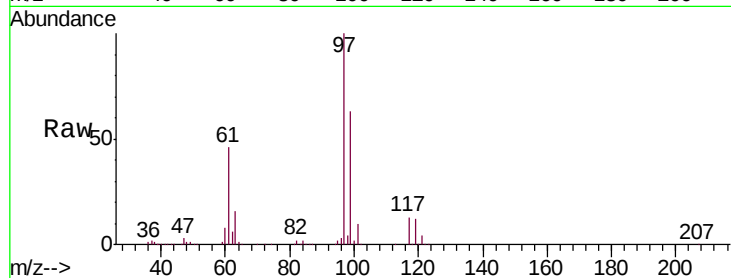
Tgt Ion: 97 Resp: 1154804

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

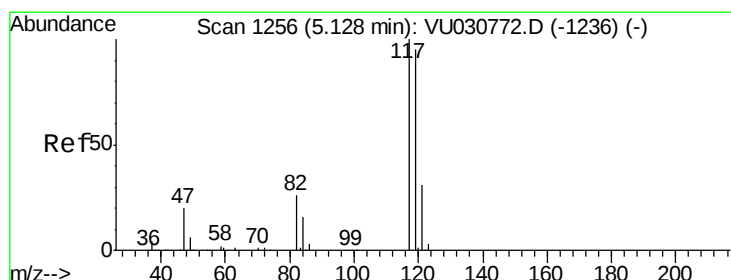
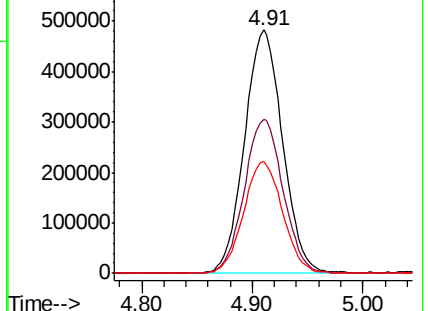
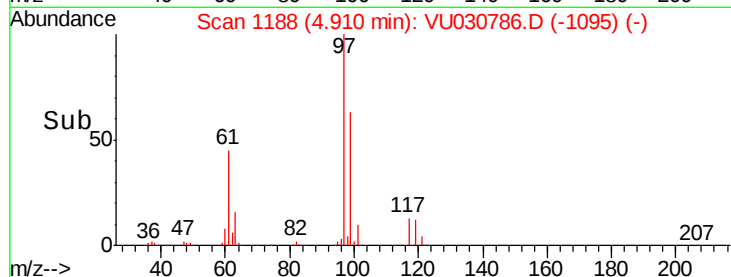
61 46.8 37.1 55.7



Abundance Ion 97.00 (96.70 to 97.70): VU030772.D (-1168) (-)

Ion 99.00 (98.70 to 99.70): VU030772.D (-1168) (-)

Ion 61.05 (60.75 to 61.75): VU030772.D (-1168) (-)



#31

Carbon tetrachloride

Concen: 30.536 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. -0.22 min

Lab File: VU030786.D

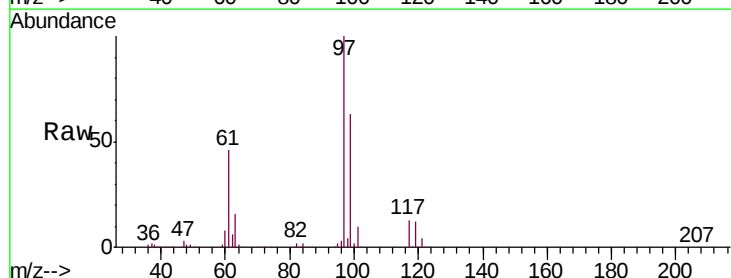
Acq: 06 Apr 2019 09:04

Tgt Ion: 117 Resp: 145937

Ion Ratio Lower Upper

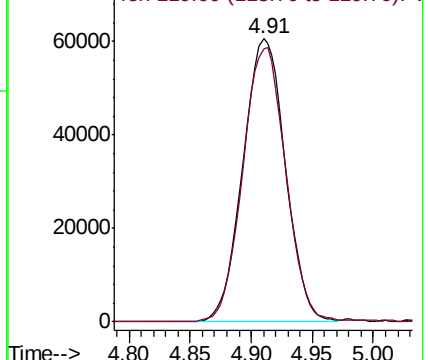
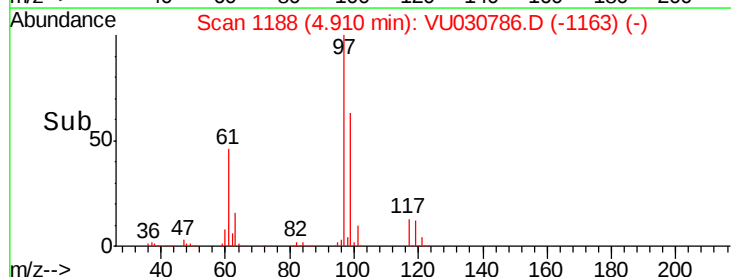
117 100

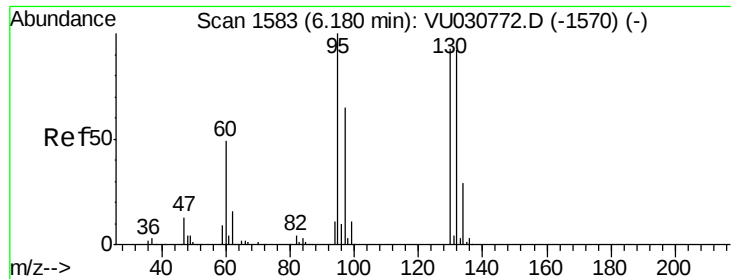
119 97.6 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): VU030772.D (-1236) (-)

Ion 119.00 (118.70 to 119.70): VU030772.D (-1236) (-)





#34

Trichloroethene

Concen: 4.882 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU030786.D

Acq: 06 Apr 2019 09:04

Instrument :

MSVOA_U

ClientSampleId :

E3YE1

Tgt Ion: 95 Resp: 17833

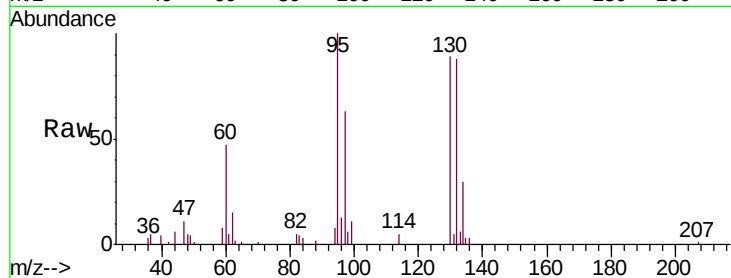
Ion Ratio Lower Upper

95 100

97 63.0 44.5 82.7

132 87.5 61.5 114.1

130 89.4 64.9 120.5

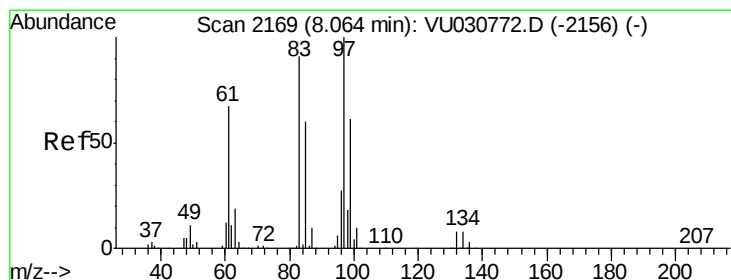
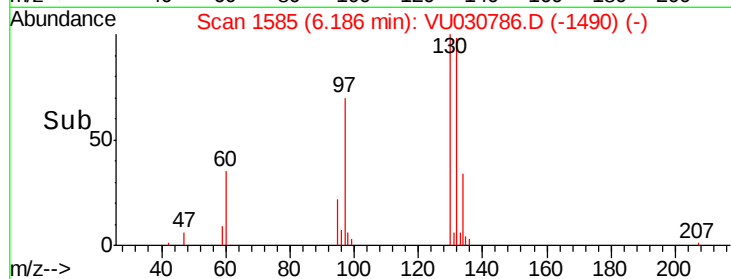
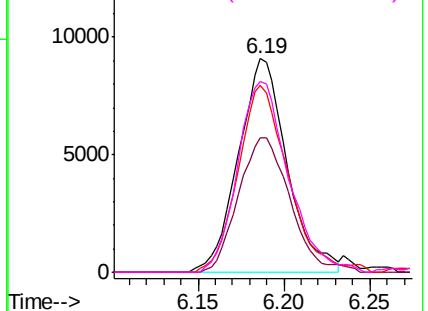


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#45

1,1,2-Trichloroethane

Concen: 0.595 ug/L

RT: 8.07 min Scan# 2171

Delta R.T. 0.01 min

Lab File: VU030786.D

Acq: 06 Apr 2019 09:04

Tgt Ion: 97 Resp: 2127

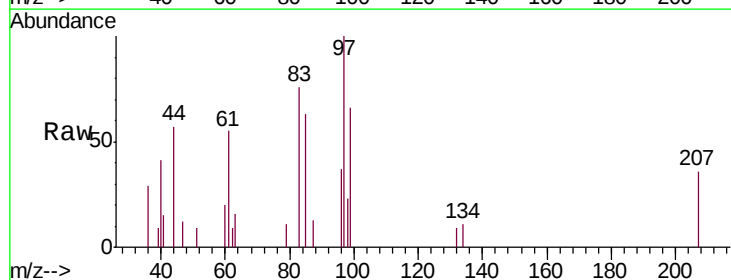
Ion Ratio Lower Upper

97 100

99 66.3 44.0 81.8

83 75.7 65.3 121.3

85 63.3 42.5 78.9

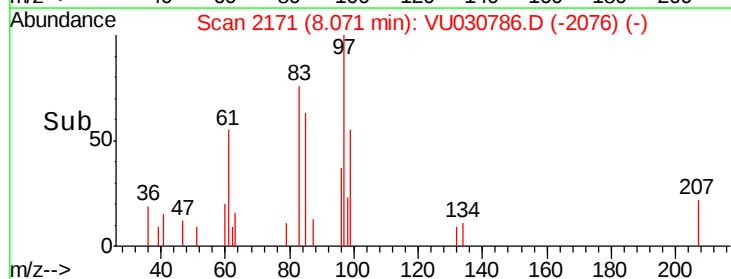
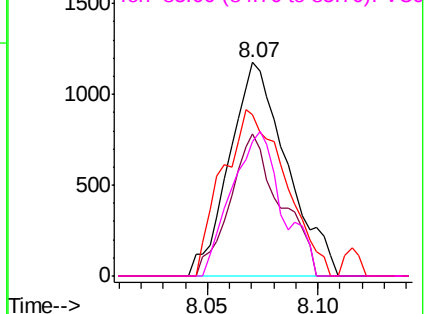


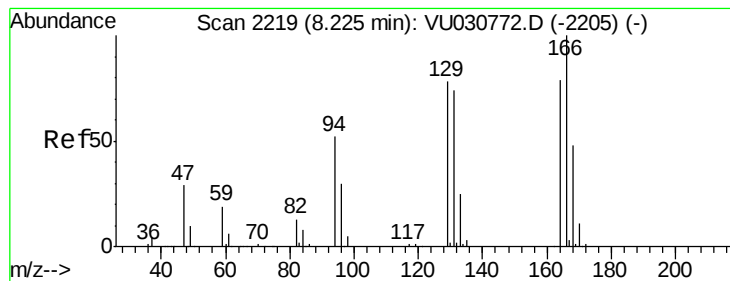
Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#46

Tetrachloroethene

Concen: 19.638 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030786.D

Acq: 06 Apr 2019 09:04

Instrument :

MSVOA_U

ClientSampled :

E3YE1

Tgt Ion:164 Resp: 52149

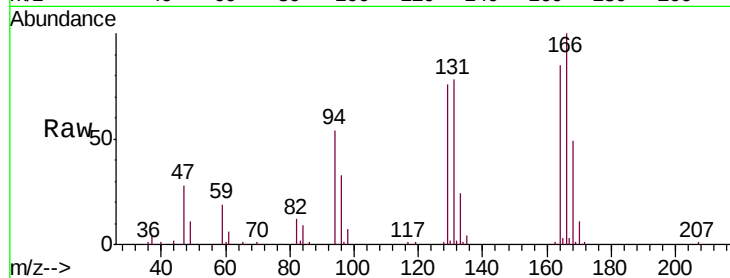
Ion Ratio Lower Upper

164 100

129 89.6 67.4 125.2

131 91.6 65.9 122.5

166 118.0 88.6 164.6

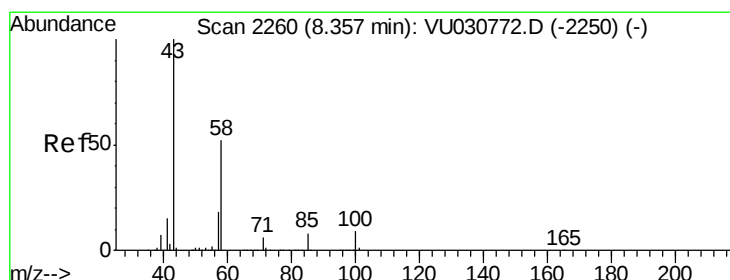
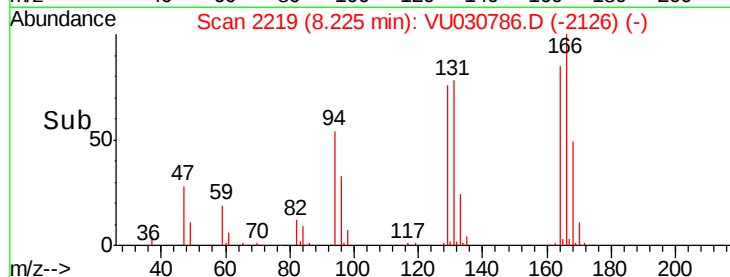
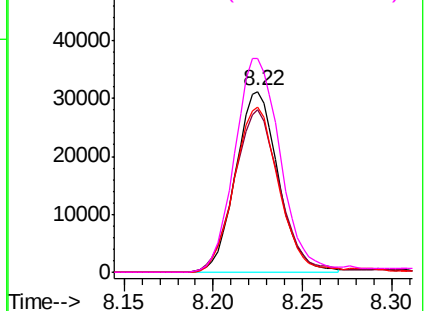


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.075 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU030786.D

Acq: 06 Apr 2019 09:04

Tgt Ion: 43 Resp: 26851

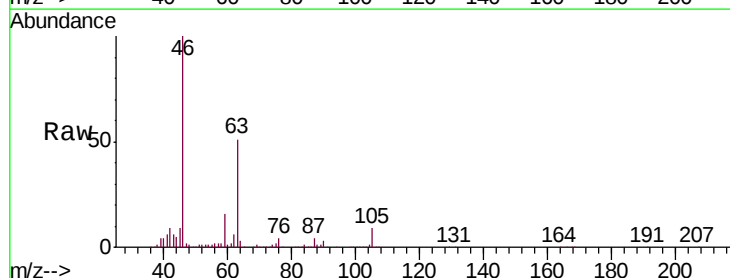
Ion Ratio Lower Upper

43 100

58 36.5 41.9 62.9#

57 26.4 14.3 21.5#

100 1.0 7.1 10.7#

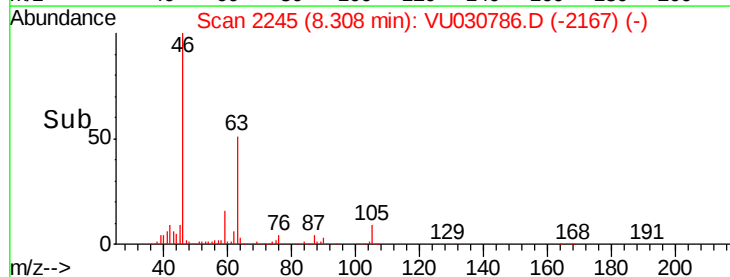
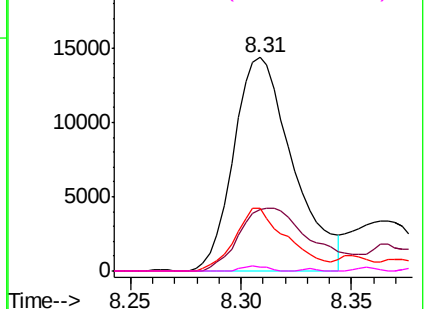


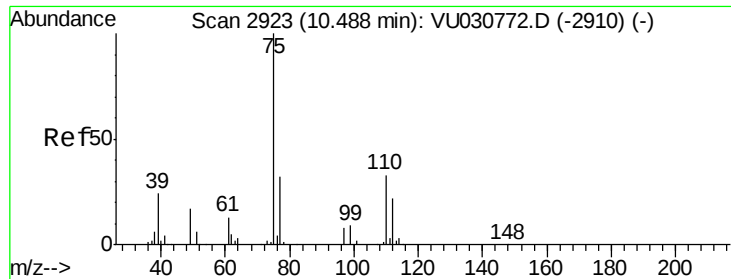
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#59
 1,2,3-Trichloropropane
 Concen: 4.960 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU030786.D
 Acq: 06 Apr 2019 09:04

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE1

Tgt Ion: 75 Resp: 25050
 Ion Ratio Lower Upper
 75 100
 77 36.9 26.1 39.1

