

Data File : VU030784.D
Acq On : 06 Apr 2019 08:18
Operator : JC/SP
Sample : K2249-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YE5

Quant Time: Apr 08 01:08:09 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	420829	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	416569	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	162232	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	197344	52.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.06%
7) Chloroethane-d5	1.68	69	161700	56.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.42%
11) 1,1-Dichloroethene-d2	2.27	63	477886	70.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	140.66%#
21) 2-Butanone-d5	4.17	46	354598	119.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.10%
24) Chloroform-d	4.64	84	302083	52.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.28%
26) 1,2-Dichloroethane-d4	5.31	65	226811	57.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.84%
32) Benzene-d6	5.34	84	622359	51.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.36%
36) 1,2-Dichloropropane-d6	6.32	67	228396	54.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.60%
41) Toluene-d8	7.56	98	495311	45.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.90%
43) trans-1,3-Dichloropropene-	7.85	79	87359	45.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.94%
47) 2-Hexanone-d5	8.31	63	214303	112.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.51%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	307250	54.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.32%
64) 1,2-Dichlorobenzene-d4	11.86	152	172644	54.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.22%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	1.88	101	12262	2.274	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3021	1.003	ug/L #	24
12) 1,1-Dichloroethene	2.28	96	372653	128.104	ug/L	85
13) Acetone	2.32	43	14536	4.771	ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	16750	5.423	ug/L	98
19) 1,1-Dichloroethane	3.44	63	1278944	200.645	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	501158	146.948	ug/L	100
25) Chloroform	4.67	83	46037	7.186	ug/L	96
27) 1,2-Dichloroethane	5.41	62	3220	0.659	ug/L #	81
30) 1,1,1-Trichloroethane	4.91	97	2592263	510.619	ug/L	99
34) Trichloroethene	6.18	95	238851	71.438	ug/L	99
40) 4-Methyl-2-pentanone	7.47	43	3540	0.570	ug/L #	87
44) trans-1,3-Dichloropropene	7.85	75	3650	0.754	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	9785	2.989	ug/L	94
46) Tetrachloroethene	8.22	164	162024	66.655	ug/L	98
48) 2-Hexanone	8.31	43	29014	5.991	ug/L #	79
59) 1,2,3-Trichloropropane	11.48	75	20916	4.524	ug/L	92

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

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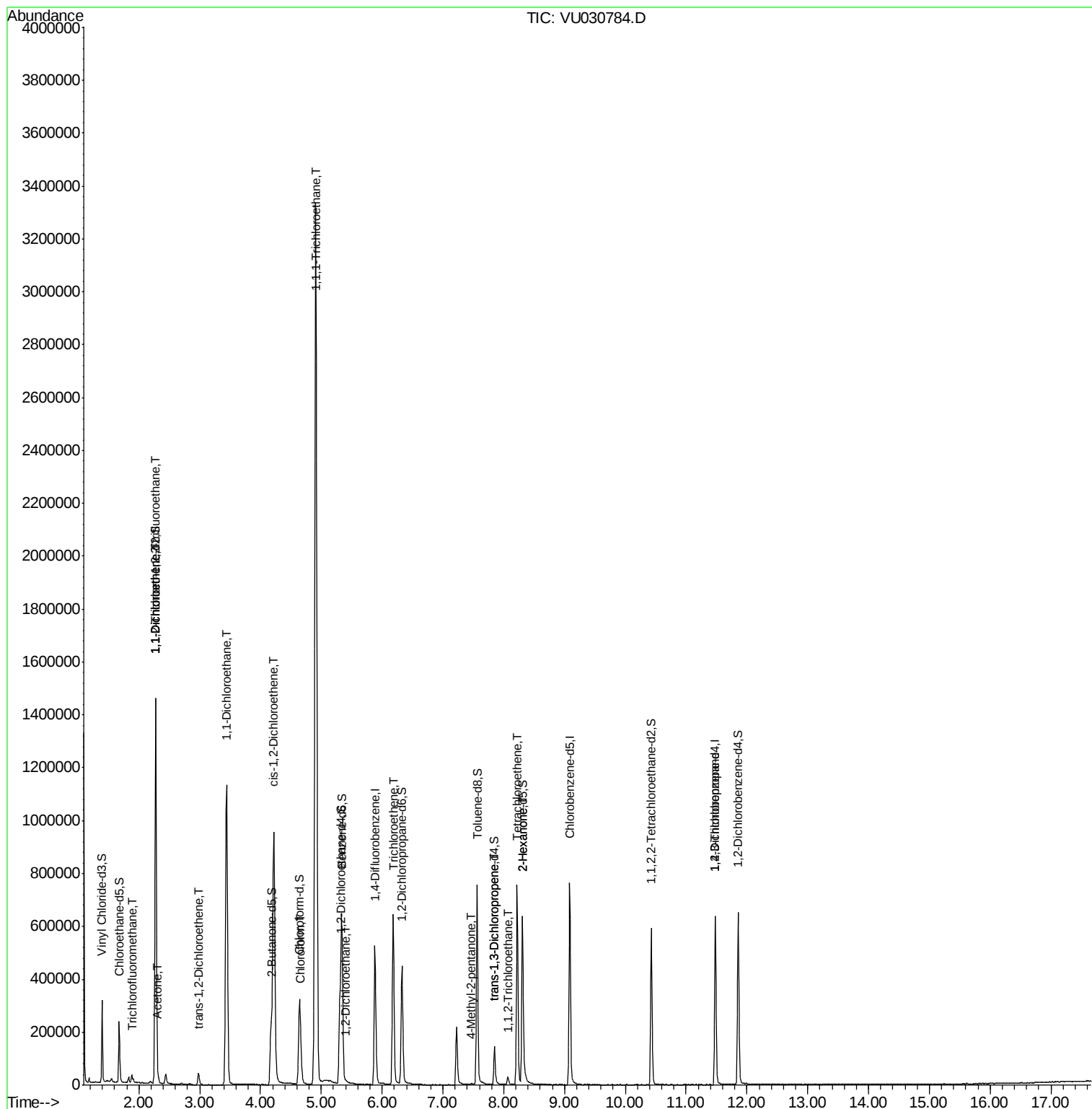
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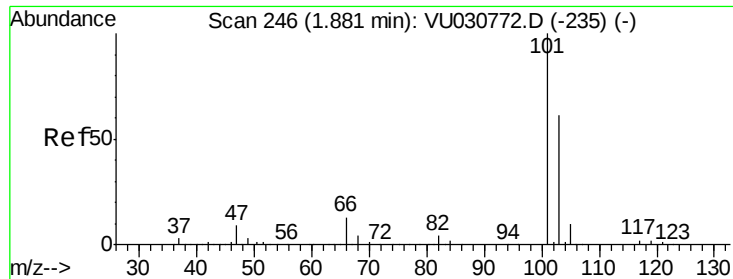
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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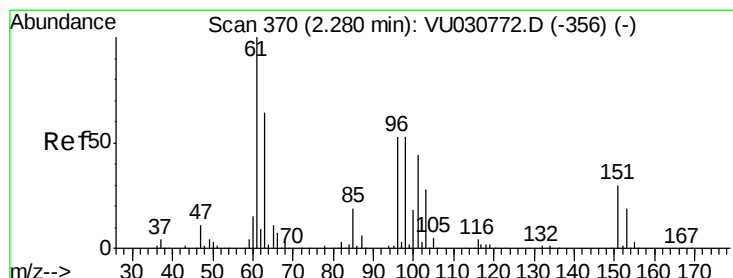
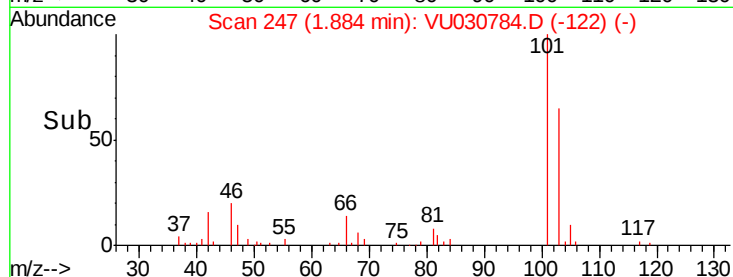
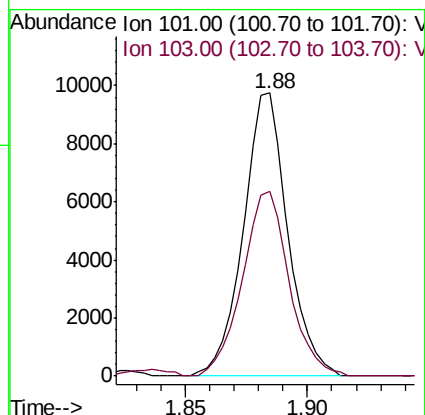
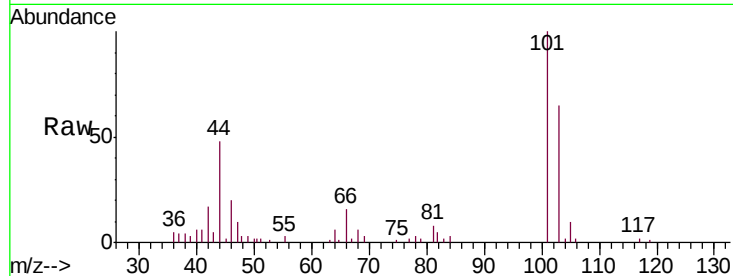


#9

Trichlorofluoromethane
 Concen: 2.274 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030784.D
 Acq: 06 Apr 2019 08:18

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE5

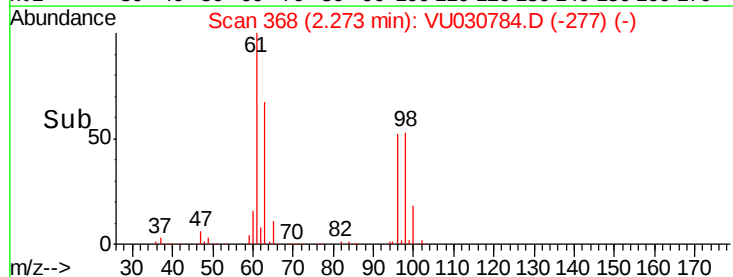
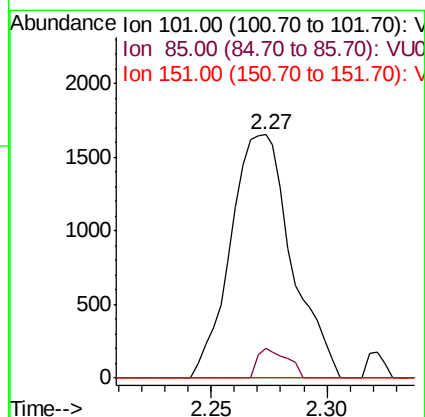
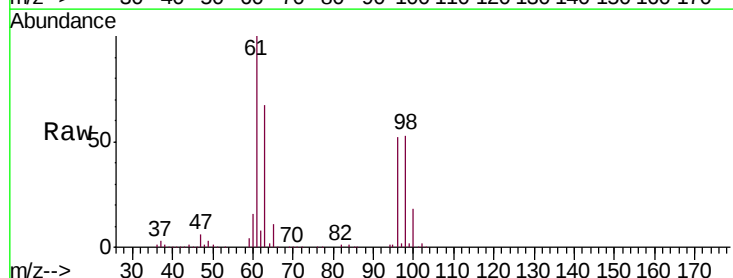
Tgt Ion:101 Resp: 12262
 Ion Ratio Lower Upper
 101 100
 103 68.8 51.8 77.8

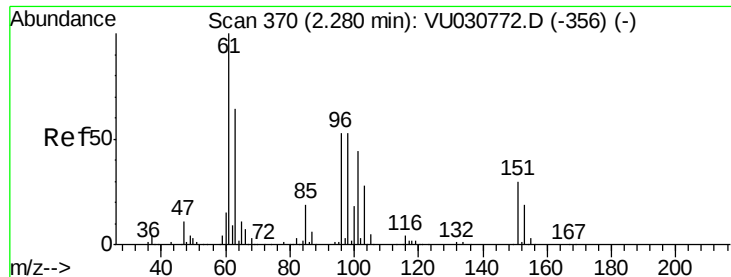


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.003 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: VU030784.D
 Acq: 06 Apr 2019 08:18

Tgt Ion:101 Resp: 3021
 Ion Ratio Lower Upper
 101 100
 85 5.9 36.8 55.2#
 151 0.0 57.4 86.0#





#12

1,1-Dichloroethene

Concen: 128.104 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030784.D

Acq: 06 Apr 2019 08:18

Instrument :

MSVOA_U

ClientSampleId :

E3YE5

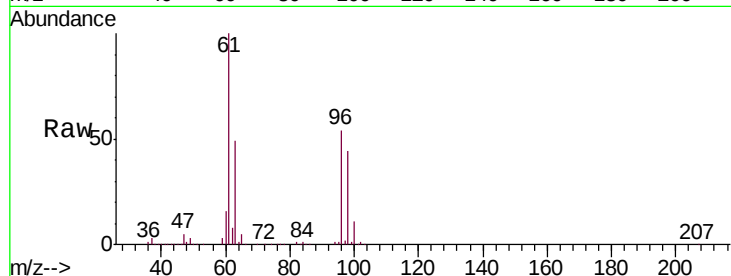
Tgt Ion: 96 Resp: 372653

Ion Ratio Lower Upper

96 100

61 185.1 132.0 245.2

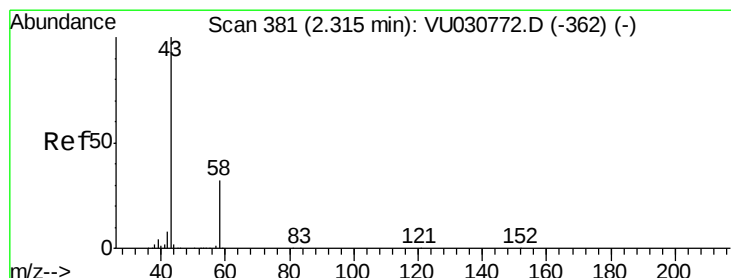
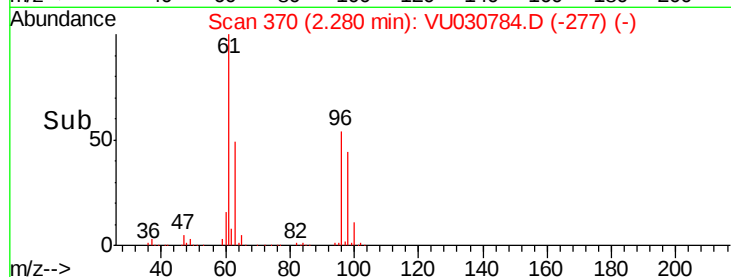
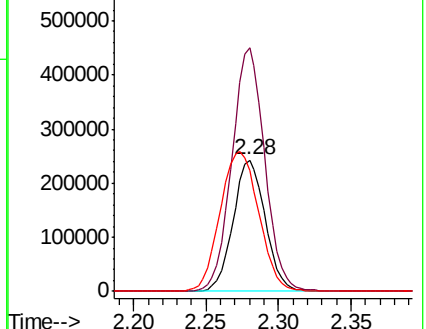
63 91.6 90.9 168.9



Abundance Ion 96.00 (95.70 to 96.70): VU030784.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU030784.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU030784.D (-277) (-)



#13

Acetone

Concen: 4.771 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU030784.D

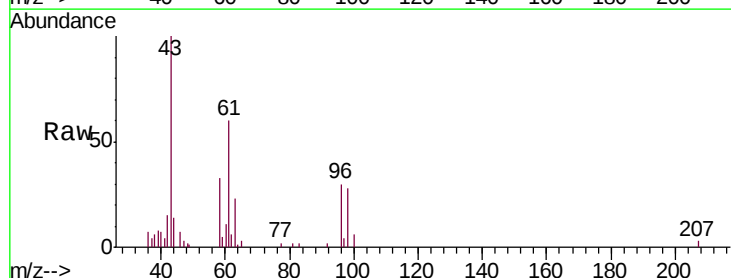
Acq: 06 Apr 2019 08:18

Tgt Ion: 43 Resp: 14536

Ion Ratio Lower Upper

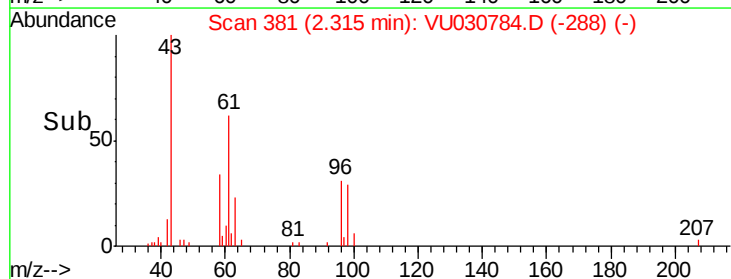
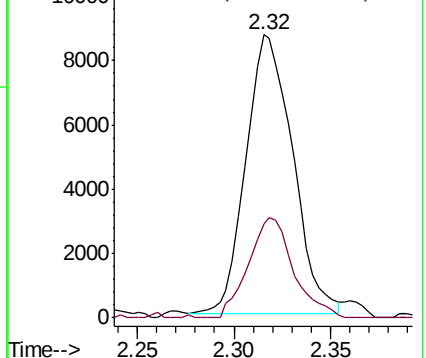
43 100

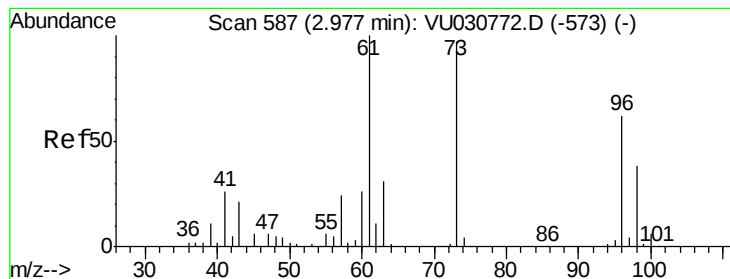
58 34.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030784.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU030784.D (-288) (-)





#17

trans-1,2-Dichloroethene

Concen: 5.423 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030784.D

Acq: 06 Apr 2019 08:18

Instrument :

MSVOA_U

ClientSampleId :

E3YE5

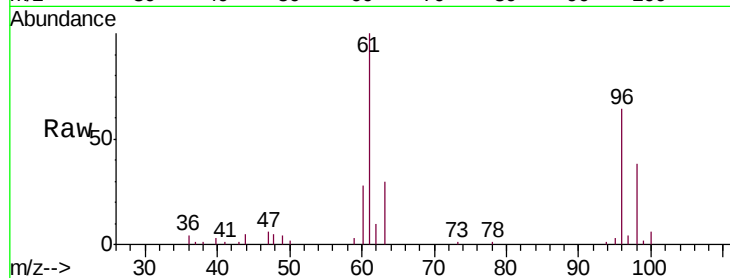
Tgt Ion: 96 Resp: 16750

Ion Ratio Lower Upper

96 100

61 155.3 109.5 203.3

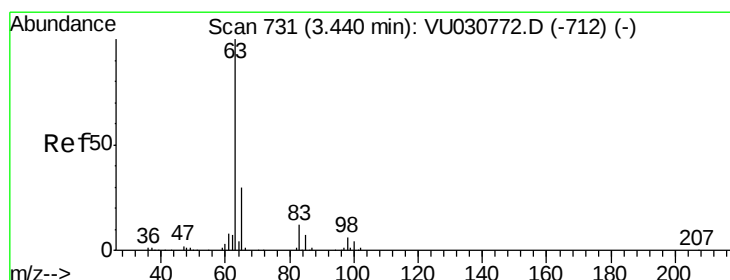
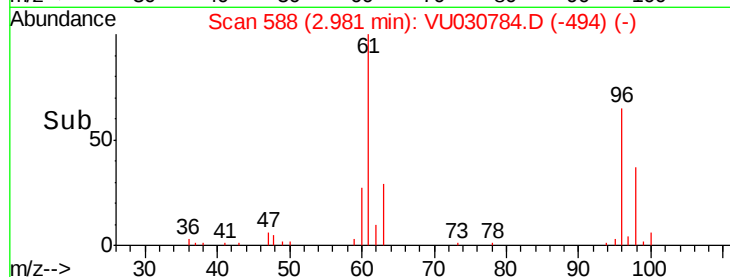
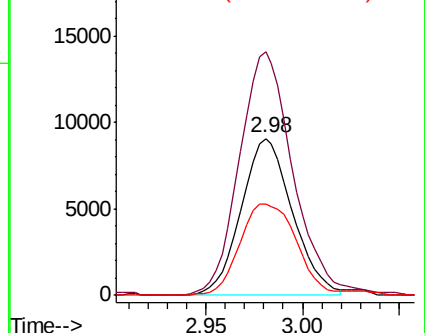
98 58.5 44.0 81.6



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) (-)



#19

1,1-Dichloroethane

Concen: 200.645 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU030784.D

Acq: 06 Apr 2019 08:18

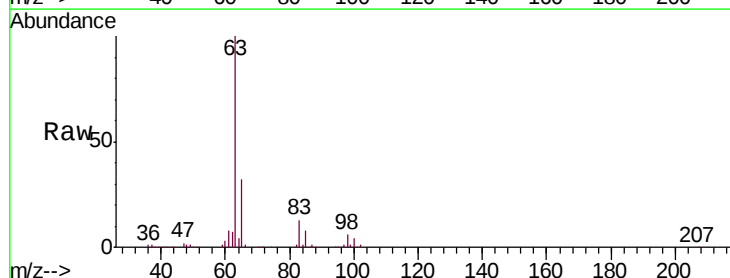
Tgt Ion: 63 Resp: 1278944

Ion Ratio Lower Upper

63 100

65 31.8 21.4 39.8

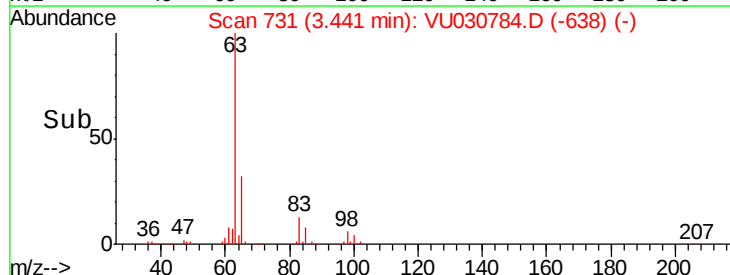
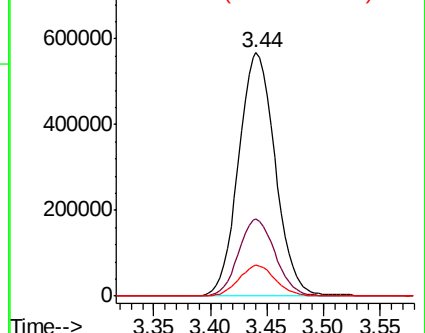
83 12.7 8.5 15.7

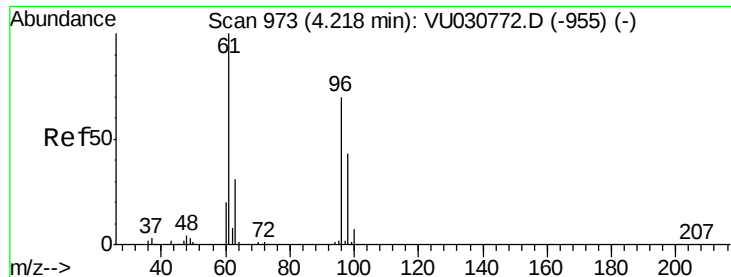


Abundance Ion 63.00 (62.70 to 63.70): VU030772.D (-712) (-)

Ion 65.00 (64.70 to 65.70): VU030772.D (-712) (-)

Ion 83.00 (82.70 to 83.70): VU030772.D (-712) (-)



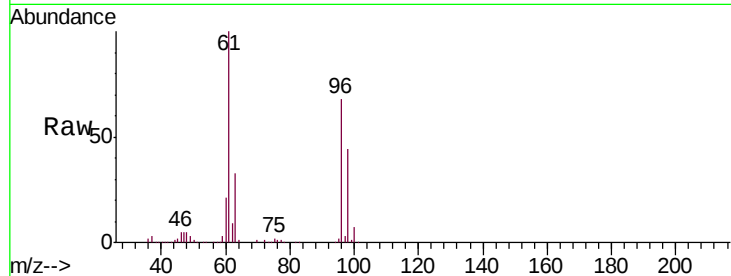


#20

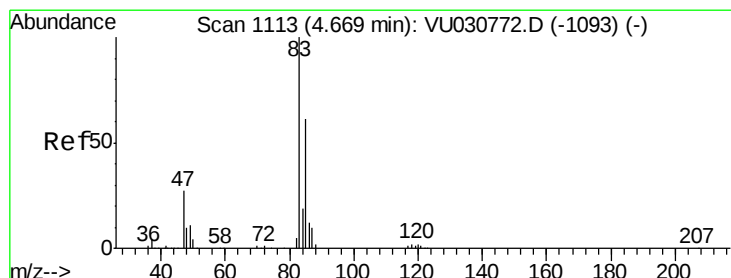
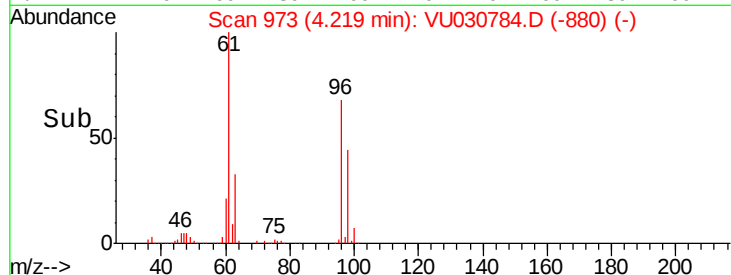
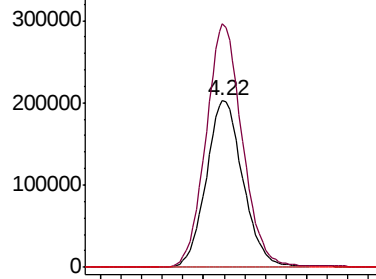
cis-1,2-Dichloroethene
 Concen: 146.948 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030784.D
 Acq: 06 Apr 2019 08:18

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE5

Tgt Ion: 96 Resp: 501158
 Ion Ratio Lower Upper
 96 100
 61 146.5 102.9 191.1
 68 0.0 0.0 0.0



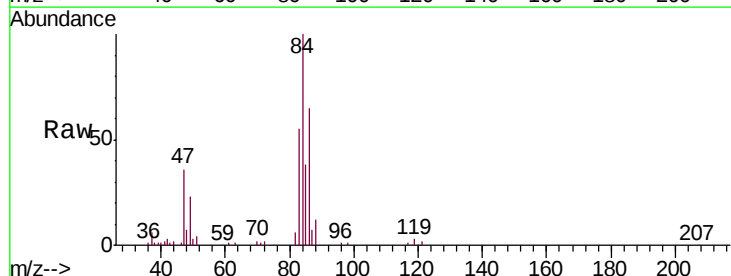
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



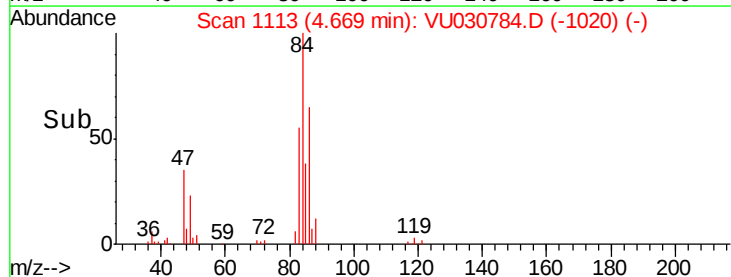
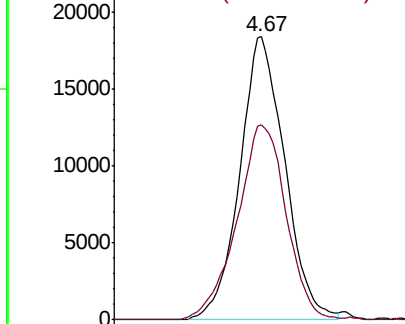
#25

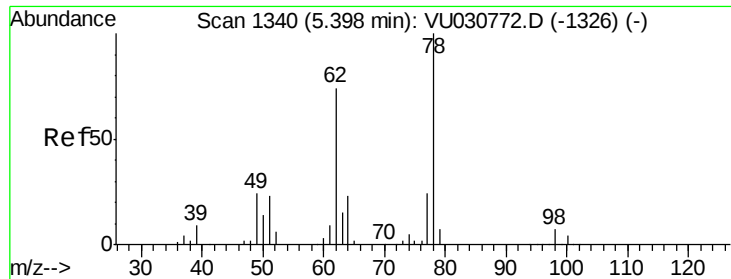
Chloroform
 Concen: 7.186 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU030784.D
 Acq: 06 Apr 2019 08:18

Tgt Ion: 83 Resp: 46037
 Ion Ratio Lower Upper
 83 100
 85 68.9 45.8 85.0



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





#27

1,2-Dichloroethane

Concen: 0.659 ug/L

RT: 5.41 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VU030784.D

Acq: 06 Apr 2019 08:18

Instrument :

MSVOA_U

ClientSampleId :

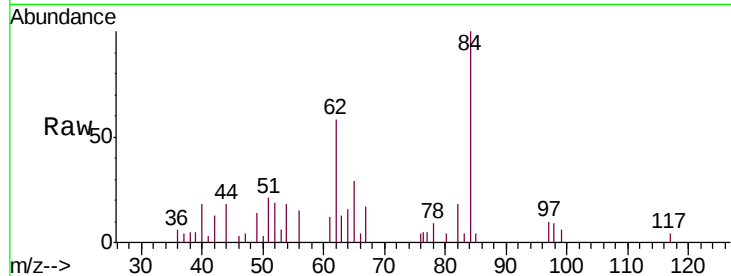
E3YE5

Tgt Ion: 62 Resp: 3220

Ion Ratio Lower Upper

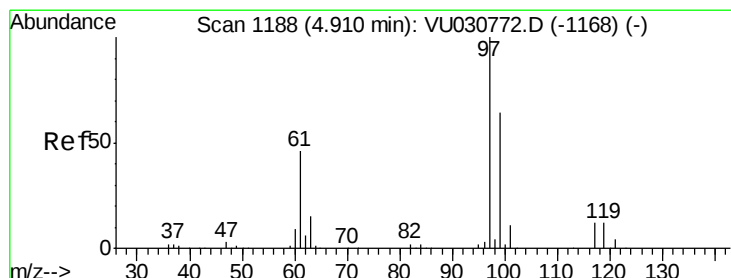
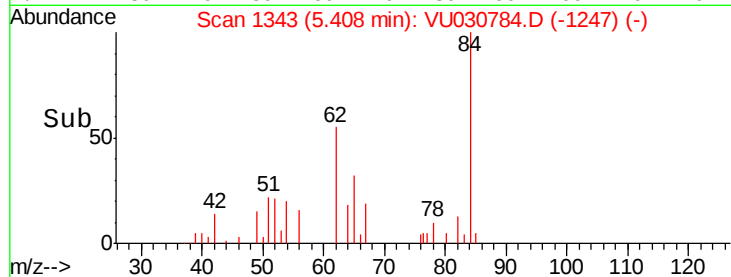
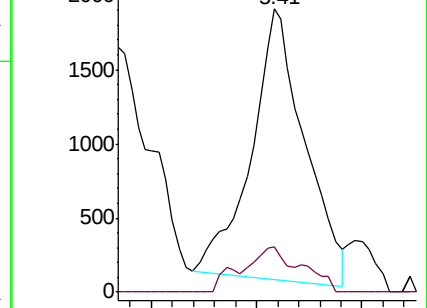
62 100

98 15.8 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#30

1,1,1-Trichloroethane

Concen: 510.619 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU030784.D

Acq: 06 Apr 2019 08:18

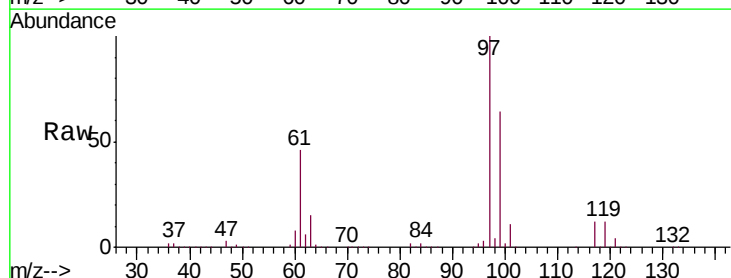
Tgt Ion: 97 Resp: 2592263

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.2

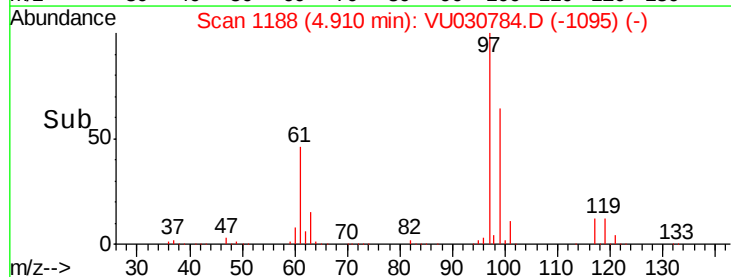
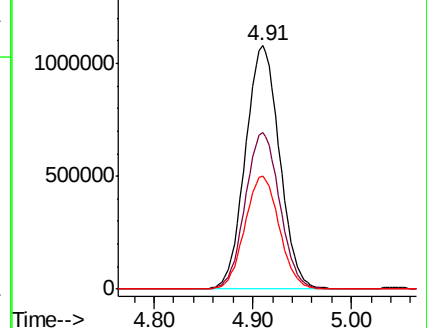
61 46.7 37.1 55.7

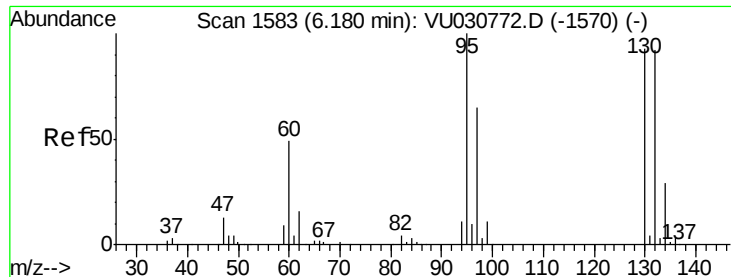


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#34

Trichloroethene

Concen: 71.438 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030784.D

Acq: 06 Apr 2019 08:18

Instrument :

MSVOA_U

ClientSampleId :

E3YE5

Tgt Ion: 95 Resp: 238851

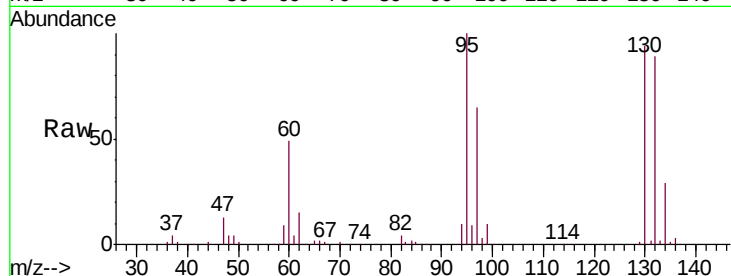
Ion Ratio Lower Upper

95 100

97 64.6 44.5 82.7

132 88.5 61.5 114.1

130 94.0 64.9 120.5

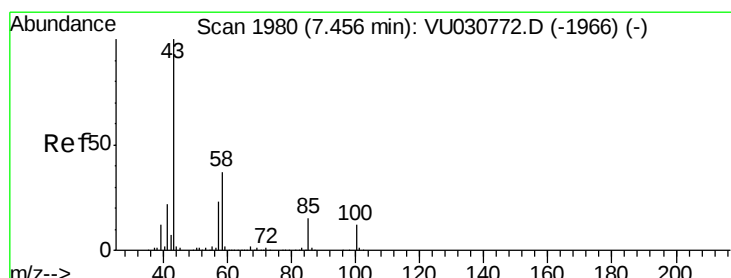
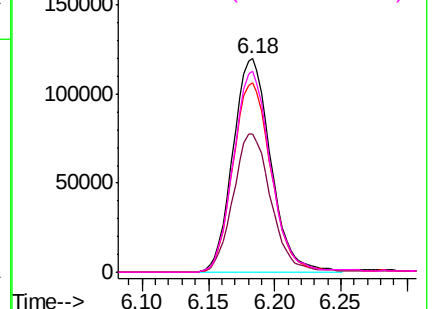
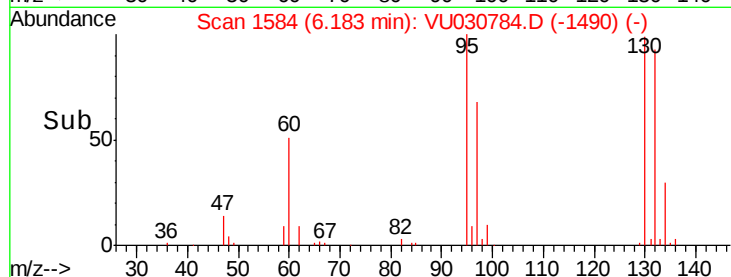


Abundance Ion 95.00 (94.70 to 95.70): VU030772.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU030772.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU030772.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU030772.D (-1570) (-)



#40

4-Methyl-2-pentanone

Concen: 0.570 ug/L

RT: 7.47 min Scan# 1984

Delta R.T. 0.01 min

Lab File: VU030784.D

Acq: 06 Apr 2019 08:18

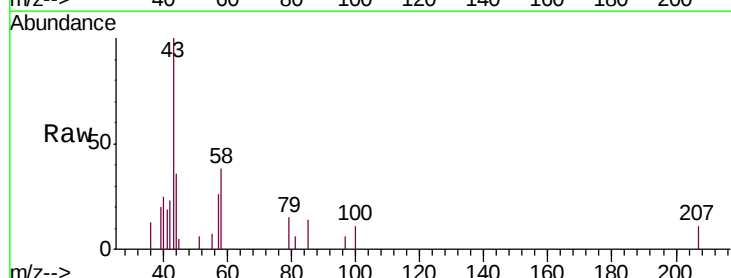
Tgt Ion: 43 Resp: 3540

Ion Ratio Lower Upper

43 100

58 44.2 29.7 44.5

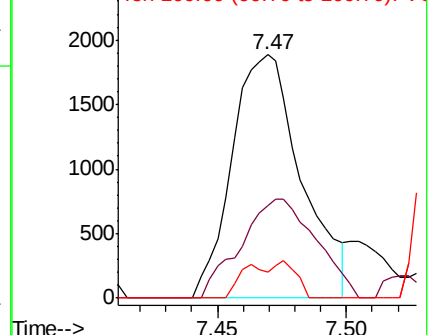
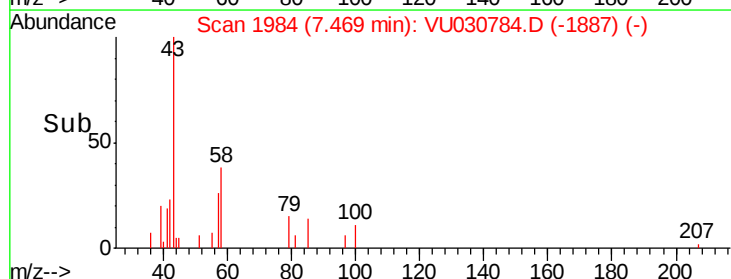
100 5.0 9.8 14.6#

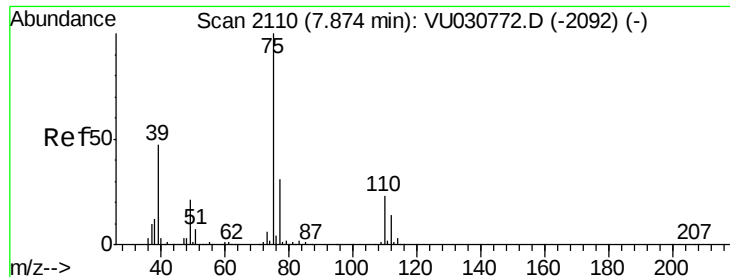


Abundance Ion 43.00 (42.70 to 43.70): VU030772.D (-1966) (-)

Ion 58.00 (57.70 to 58.70): VU030772.D (-1966) (-)

Ion 100.00 (99.70 to 100.70): VU030772.D (-1966) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.754 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU030784.D

Acq: 06 Apr 2019 08:18

Instrument :

MSVOA_U

ClientSampleId :

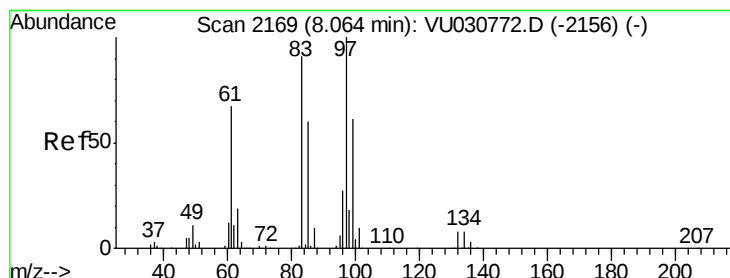
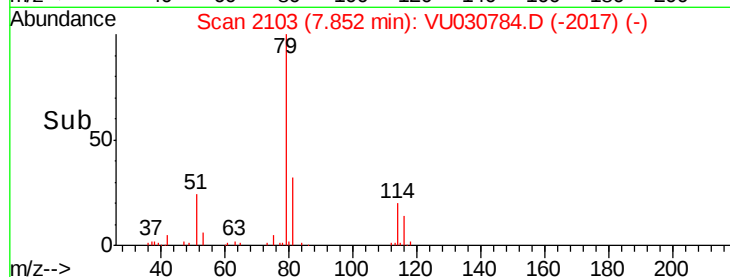
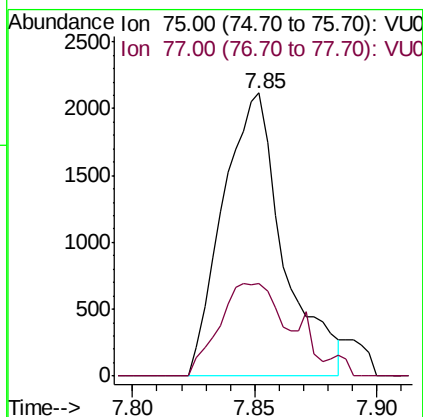
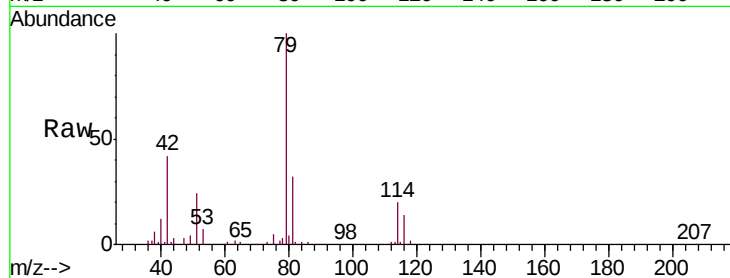
E3YE5

Tgt Ion: 75 Resp: 3650

Ion Ratio Lower Upper

75 100

77 32.5 21.6 40.0



#45

1,1,2-Trichloroethane

Concen: 2.989 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU030784.D

Acq: 06 Apr 2019 08:18

Tgt Ion: 97 Resp: 9785

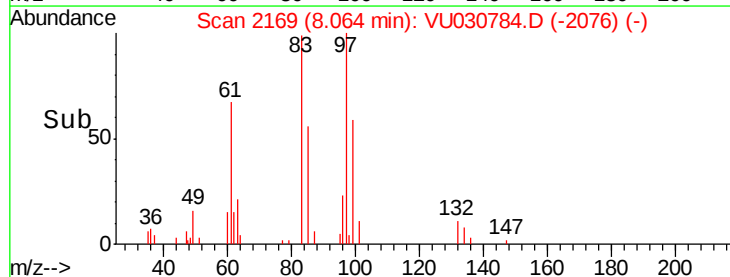
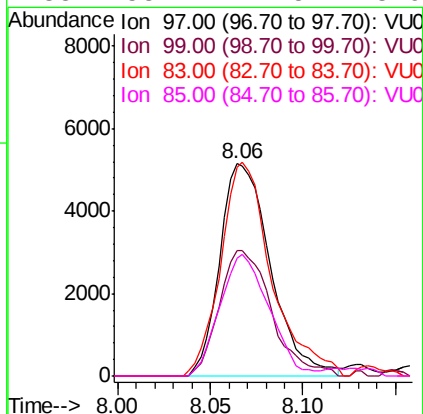
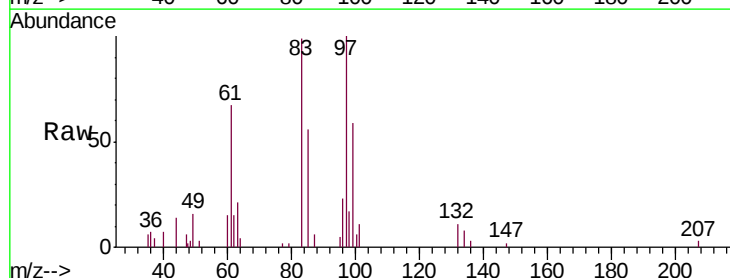
Ion Ratio Lower Upper

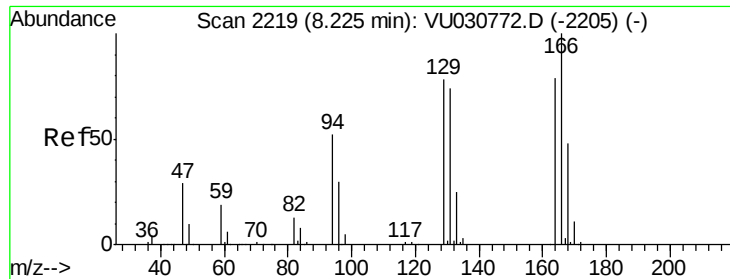
97 100

99 59.4 44.0 81.8

83 98.6 65.3 121.3

85 55.7 42.5 78.9

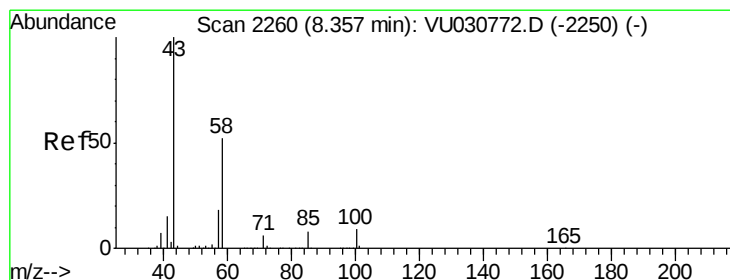
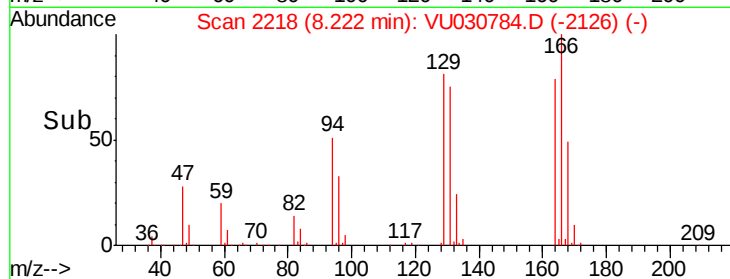
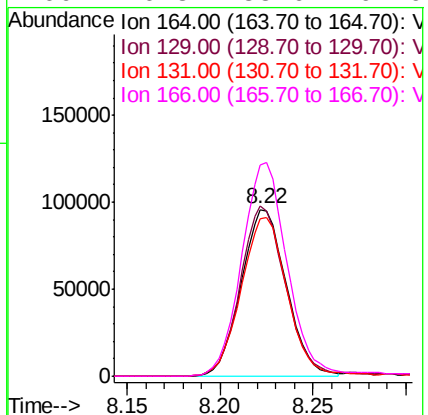
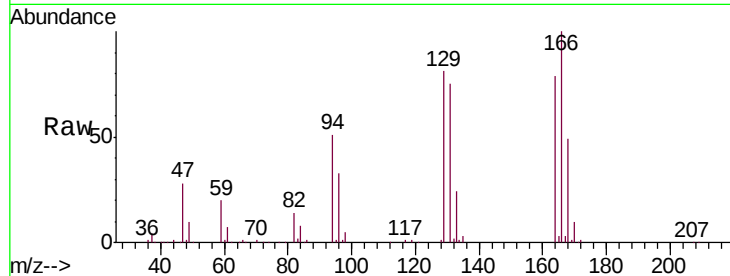




#46
Tetrachloroethene
Concen: 66.655 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU030784.D
Acq: 06 Apr 2019 08:18

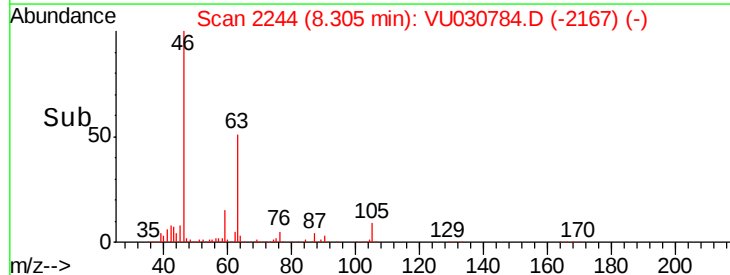
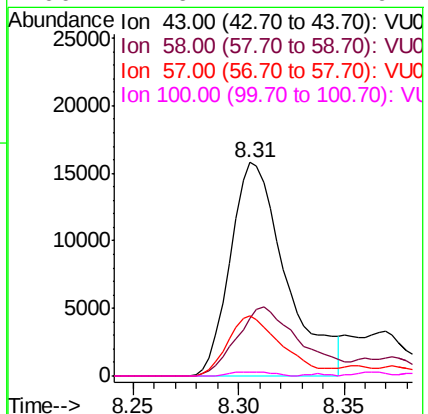
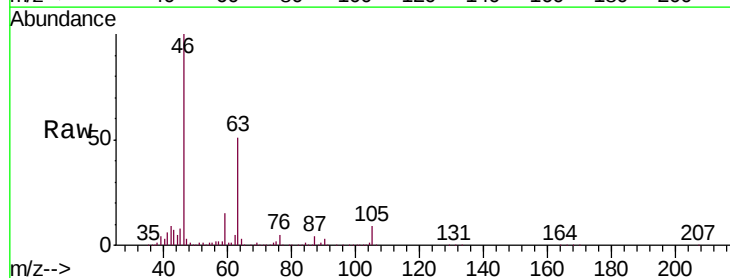
Instrument :
MSVOA_U
ClientSampleId :
E3YE5

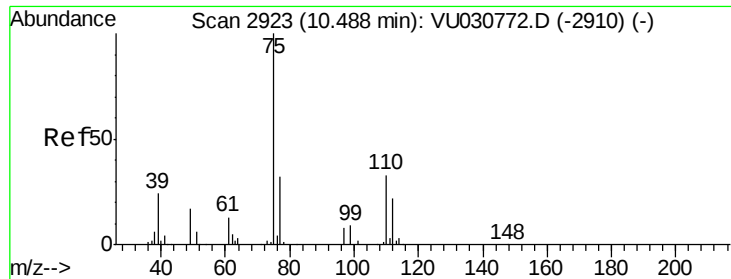
Tgt Ion:	164	Resp:	162024
Ion	Ratio	Lower	Upper
164	100		
129	101.8	67.4	125.2
131	94.5	65.9	122.5
166	126.3	88.6	164.6



#48
2-Hexanone
Concen: 5.991 ug/L
RT: 8.31 min Scan# 2244
Delta R.T. -0.05 min
Lab File: VU030784.D
Acq: 06 Apr 2019 08:18

Tgt Ion:	43	Resp:	29014
Ion	Ratio	Lower	Upper
43	100		
58	37.0	41.9	62.9#
57	27.1	14.3	21.5#
100	1.6	7.1	10.7#





#59

1,2,3-Trichloropropane

Concen: 4.524 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030784.D

Acq: 06 Apr 2019 08:18

Instrument :

MSVOA_U

ClientSampleId :

E3YE5

Tgt Ion: 75 Resp: 20916

Ion Ratio Lower Upper

75 100

77 36.8 26.1 39.1

