

Data File : VU030776.D
Acq On : 06 Apr 2019 05:15
Operator : JC/SP
Sample : K2249-11DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E3YE5DL

Quant Time: Apr 08 01:06:10 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	463869	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	439539	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	179426	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	207132	50.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.04%
7) Chloroethane-d5	1.68	69	161827	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.98%
11) 1,1-Dichloroethene-d2	2.27	63	331167	44.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.44%
21) 2-Butanone-d5	4.17	46	342559	104.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.38%
24) Chloroform-d	4.64	84	298637	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.42%
26) 1,2-Dichloroethane-d4	5.31	65	216300	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.22%
32) Benzene-d6	5.34	84	636537	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.22%
36) 1,2-Dichloropropane-d6	6.32	67	222243	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.08%
41) Toluene-d8	7.56	98	539774	47.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.92%
43) trans-1,3-Dichloropropene-	7.85	79	91677	45.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.44%
47) 2-Hexanone-d5	8.31	63	198275	98.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.65%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	291208	49.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	179424	50.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.70%

Target Compounds

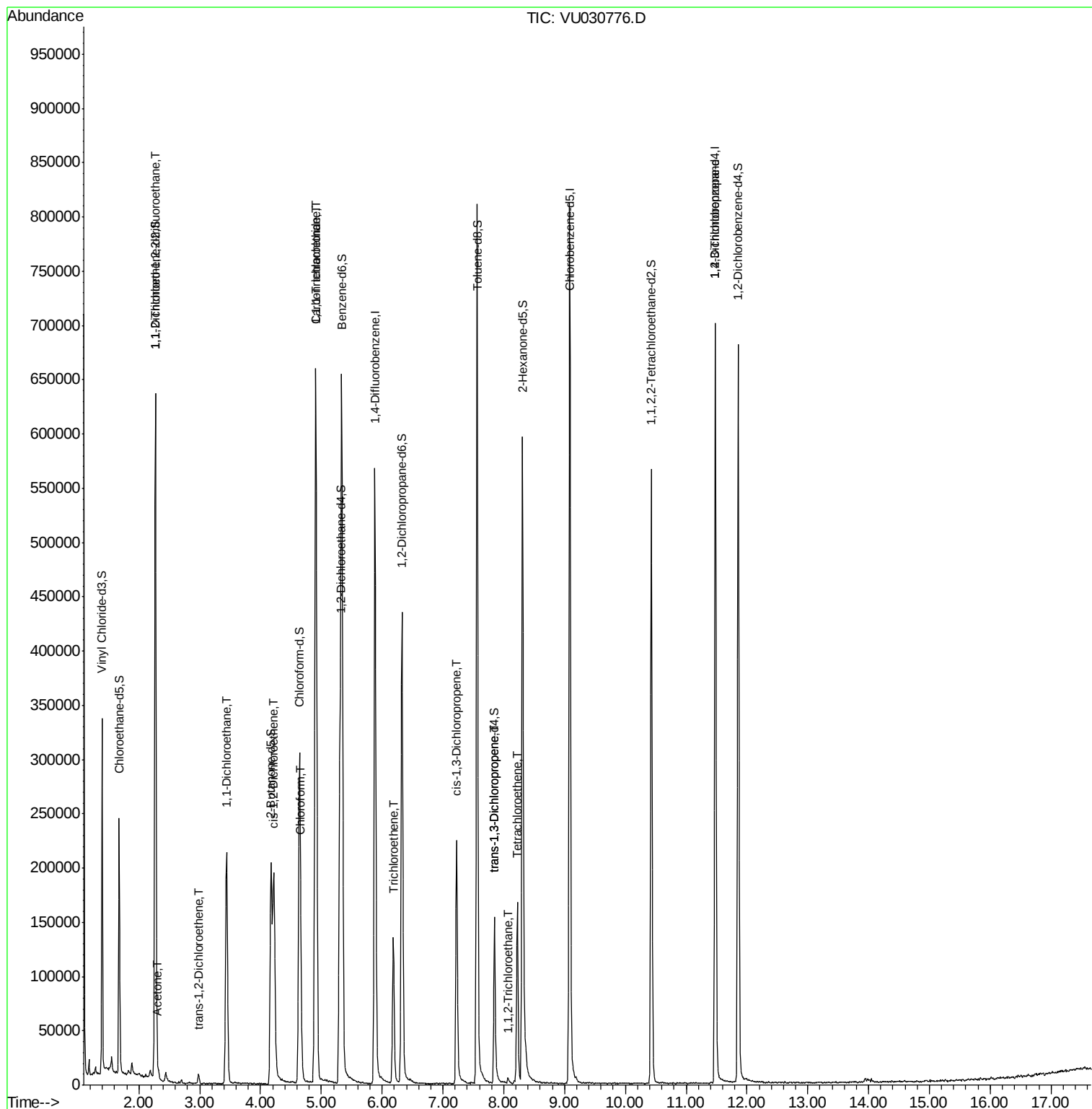
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2596	0.782	ug/L #	26
13) Acetone	2.32	43	4355	1.297	ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	2849	0.837	ug/L	88
19) 1,1-Dichloroethane	3.44	63	238141	33.894	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	90805	24.155	ug/L	97
25) Chloroform	4.67	83	25710	3.641	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	514032	95.962	ug/L	98
31) Carbon tetrachloride	4.91	117	64734	14.024	ug/L	98
34) Trichloroethene	6.18	95	50492	14.312	ug/L	98
39) cis-1,3-Dichloropropene	7.23	75	5210	0.899	ug/L #	61
44) trans-1,3-Dichloropropene	7.85	75	3705	0.725	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	1650	0.478	ug/L	94
46) Tetrachloroethene	8.22	164	37091	14.461	ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	25027	5.131	ug/L	97

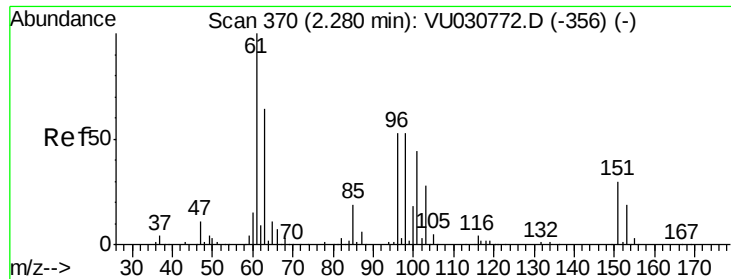
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.782 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU030776.D

Acq: 06 Apr 2019 05:15

Instrument :

MSVOA_U

ClientSampleId :

E3YE5DL

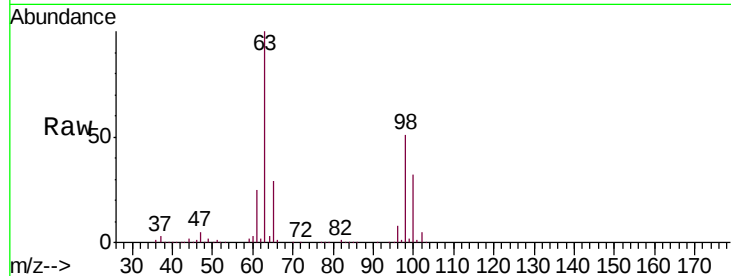
Tgt Ion:101 Resp: 2596

Ion Ratio Lower Upper

101 100

85 5.4 36.8 55.2#

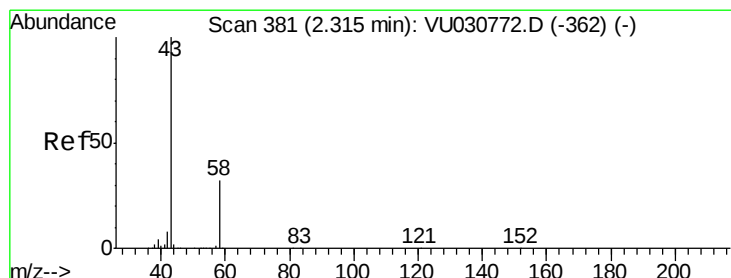
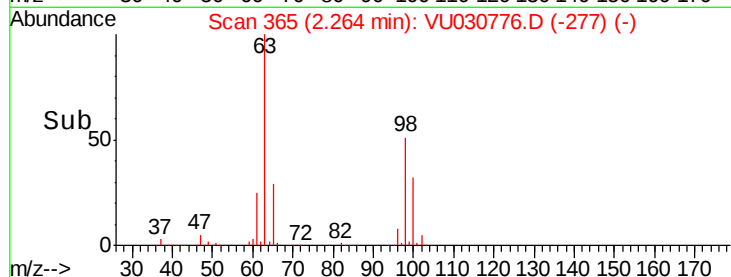
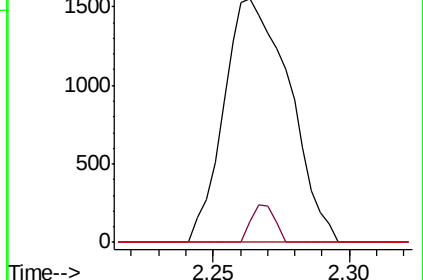
151 2.8 57.4 86.0#



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



#13

Acetone

Concen: 1.297 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU030776.D

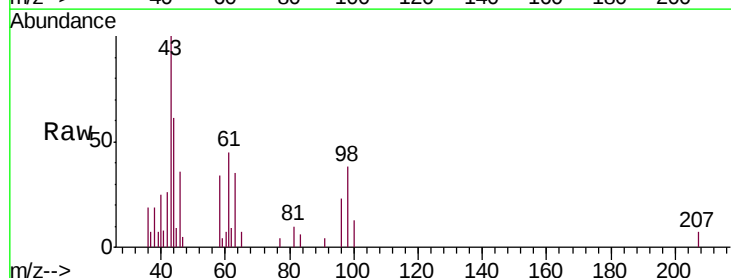
Acq: 06 Apr 2019 05:15

Tgt Ion: 43 Resp: 4355

Ion Ratio Lower Upper

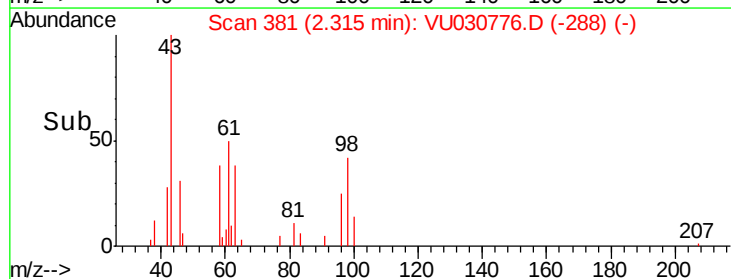
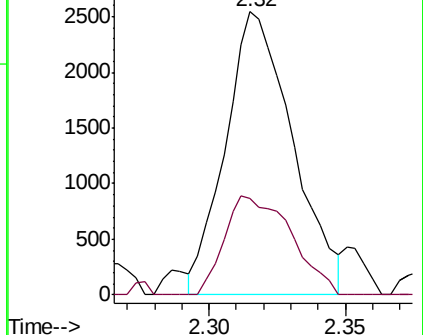
43 100

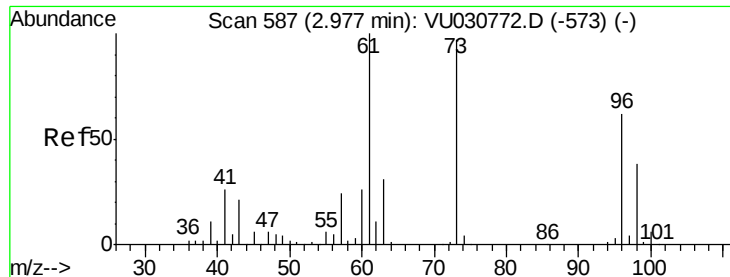
58 34.7 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 0.837 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU030776.D

Acq: 06 Apr 2019 05:15

Instrument :

MSVOA_U

ClientSampled :

E3YE5DL

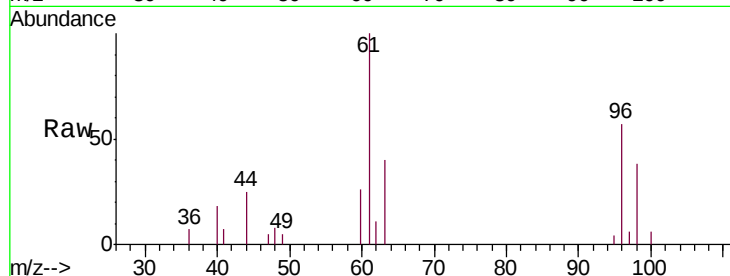
Tgt Ion: 96 Resp: 2849

Ion Ratio Lower Upper

96 100

61 175.1 109.5 203.3

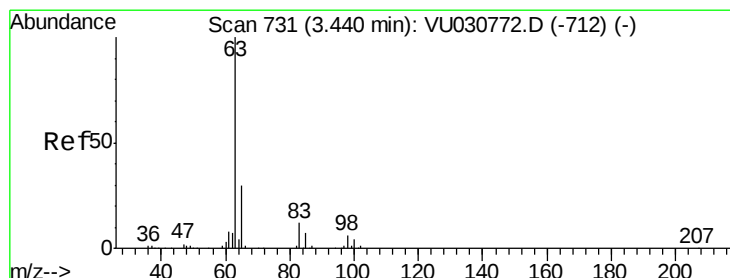
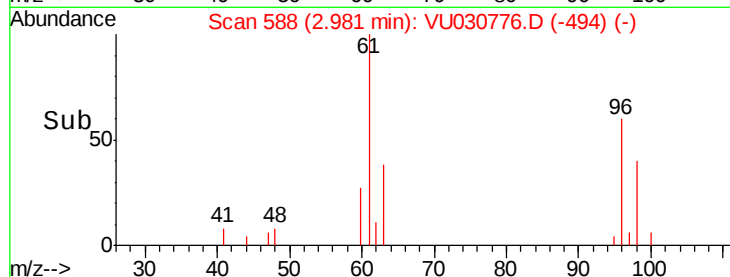
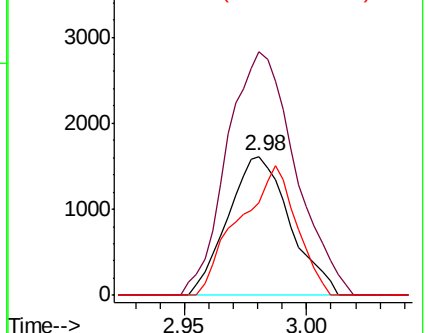
98 66.6 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU030776.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU030776.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU030776.D (-573) (-)



#19

1,1-Dichloroethane

Concen: 33.894 ug/L

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU030776.D

Acq: 06 Apr 2019 05:15

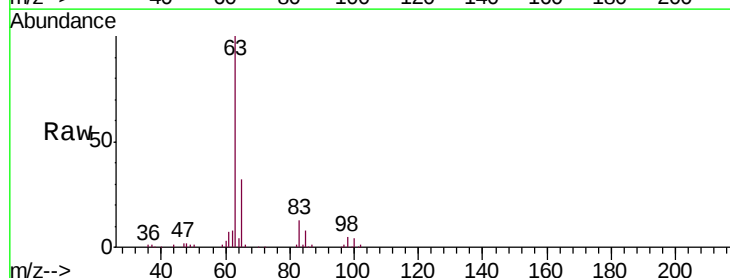
Tgt Ion: 63 Resp: 238141

Ion Ratio Lower Upper

63 100

65 31.6 21.4 39.8

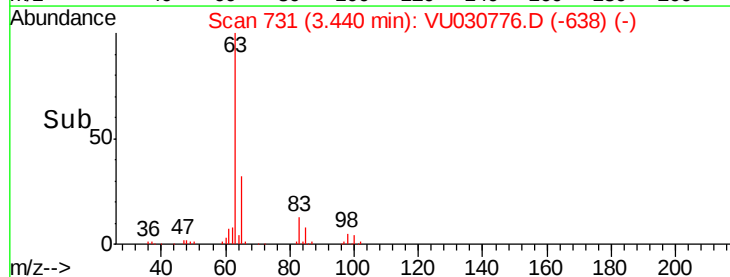
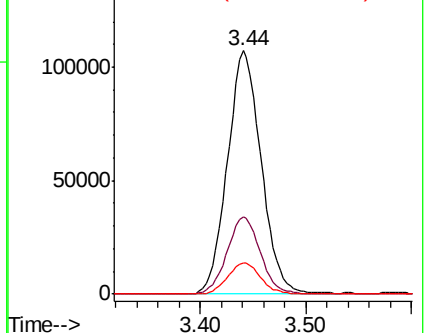
83 12.8 8.5 15.7

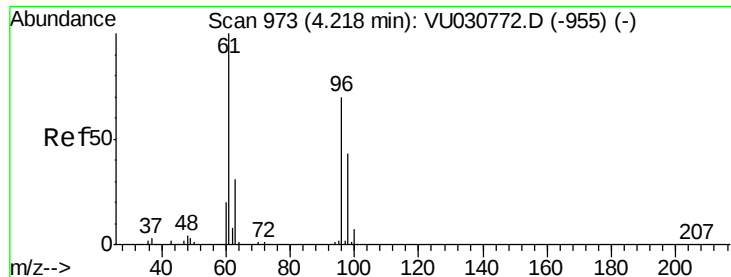


Abundance Ion 63.00 (62.70 to 63.70): VU030776.D (-712) (-)

Ion 65.00 (64.70 to 65.70): VU030776.D (-712) (-)

Ion 83.00 (82.70 to 83.70): VU030776.D (-712) (-)

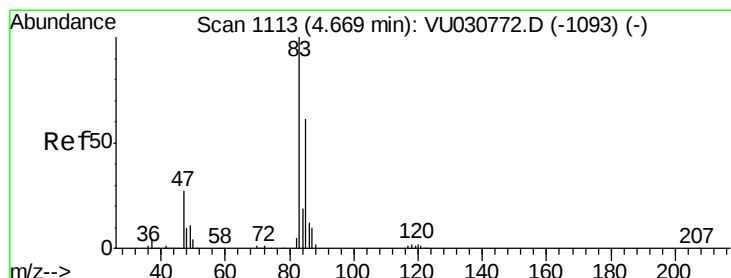
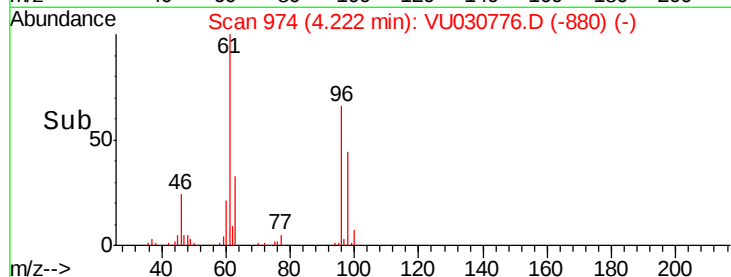
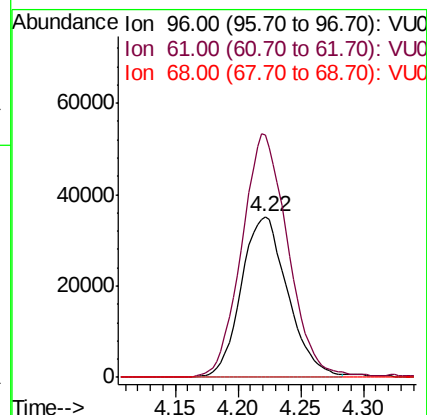
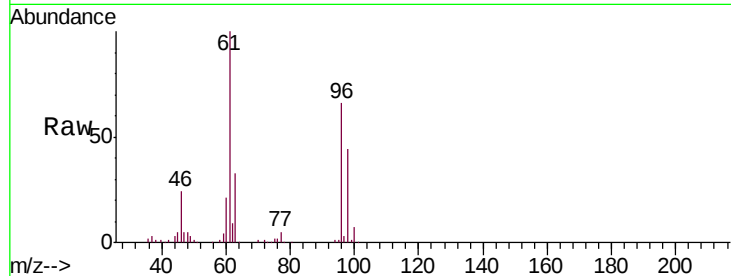




#20
 cis-1,2-Dichloroethene
 Concen: 24.155 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU030776.D
 Acq: 06 Apr 2019 05:15

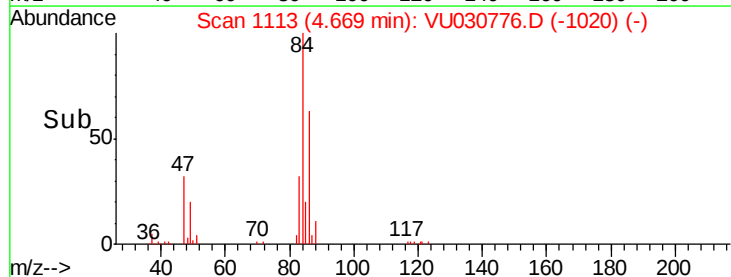
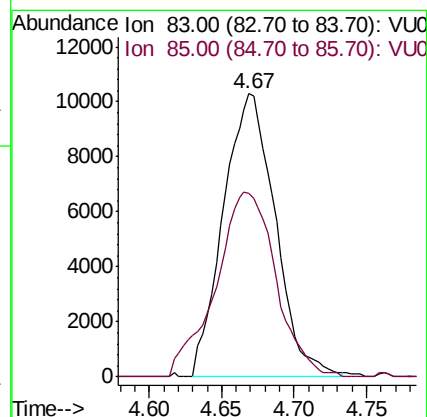
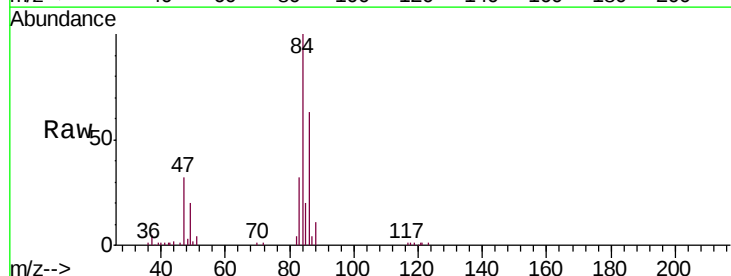
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE5DL

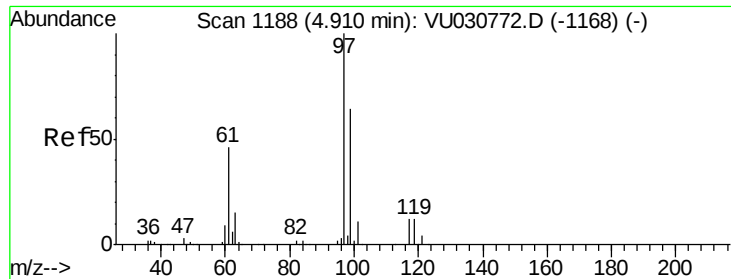
Tgt Ion: 96 Resp: 90805
 Ion Ratio Lower Upper
 96 100
 61 150.6 102.9 191.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 3.641 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: VU030776.D
 Acq: 06 Apr 2019 05:15

Tgt Ion: 83 Resp: 25710
 Ion Ratio Lower Upper
 83 100
 85 64.9 45.8 85.0

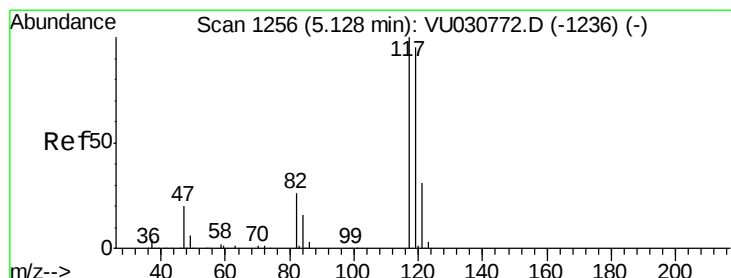
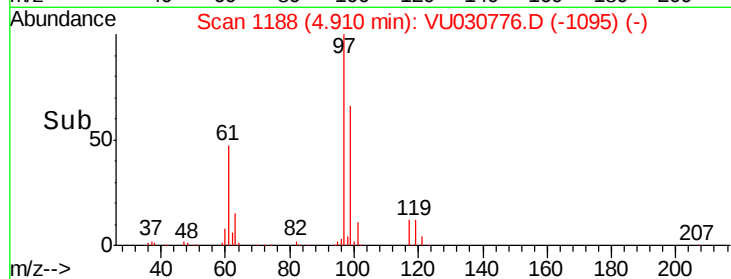
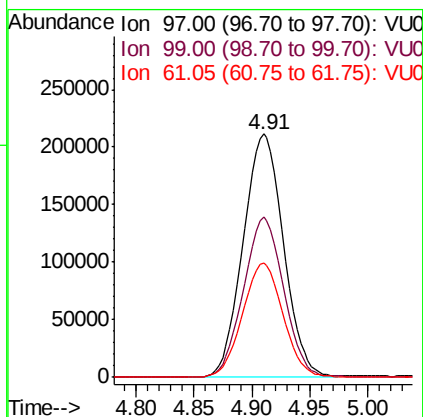
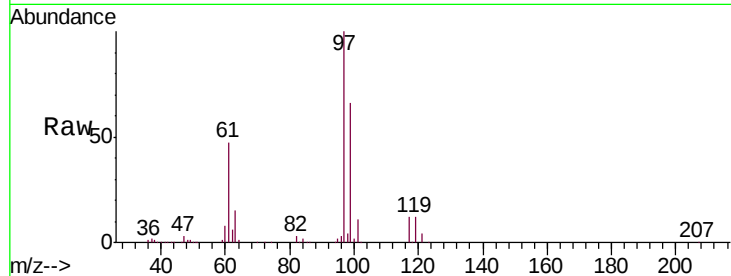




#30
 1,1,1-Trichloroethane
 Concen: 95.962 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU030776.D
 Acq: 06 Apr 2019 05:15

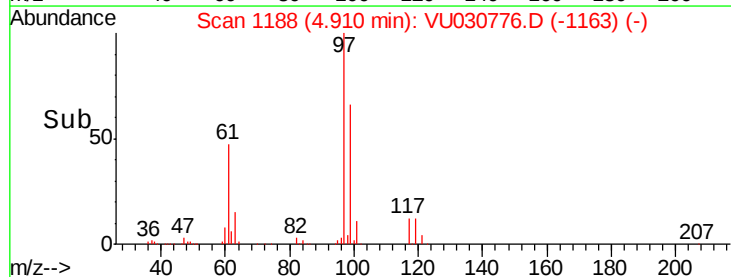
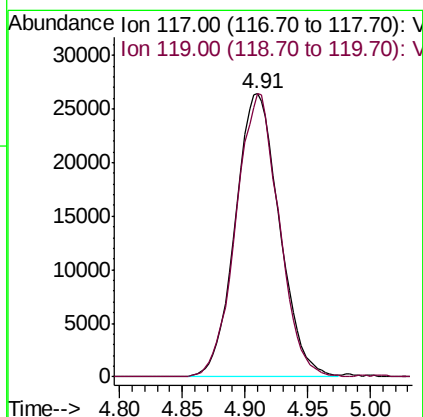
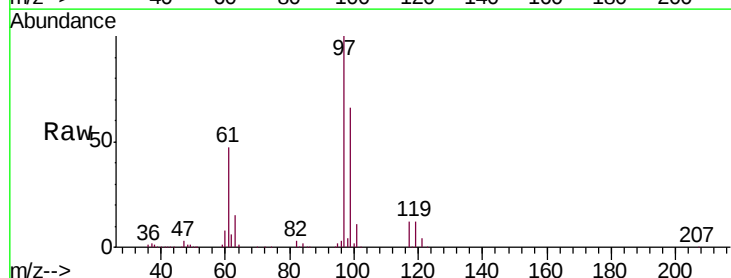
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE5DL

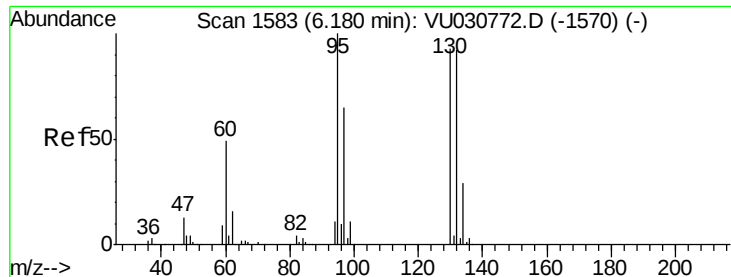
Tgt Ion: 97 Resp: 514032
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.4 77.2
 61 47.2 37.1 55.7



#31
 Carbon tetrachloride
 Concen: 14.024 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.22 min
 Lab File: VU030776.D
 Acq: 06 Apr 2019 05:15

Tgt Ion: 117 Resp: 64734
 Ion Ratio Lower Upper
 117 100
 119 97.4 76.2 114.2

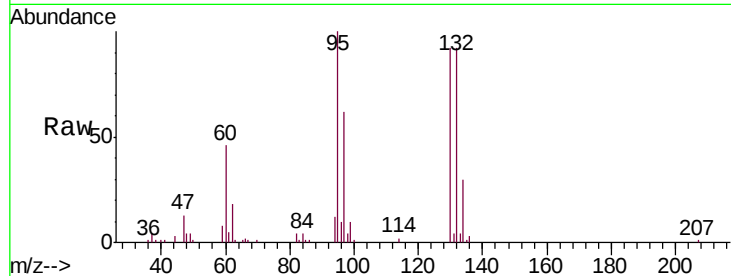




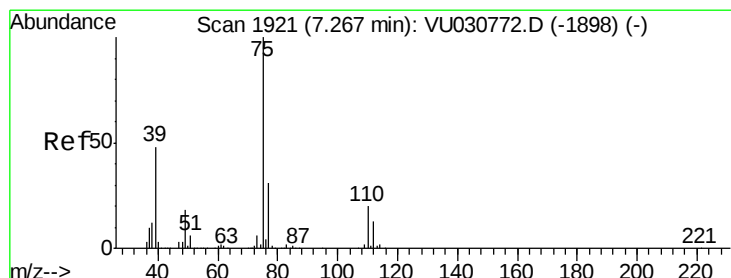
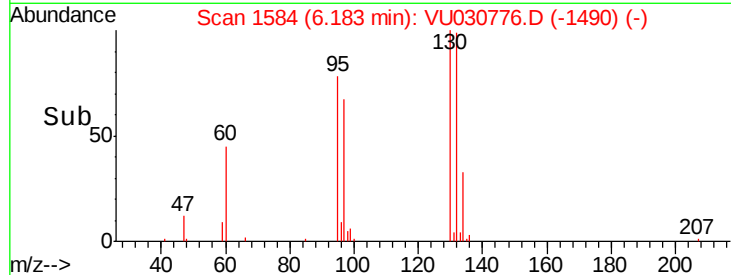
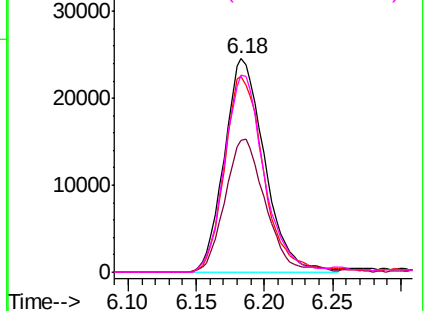
#34
 Trichloroethene
 Concen: 14.312 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030776.D
 Acq: 06 Apr 2019 05:15

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YE5DL

Tgt Ion:	95	Resp:	50492
Ion	Ratio	Lower	Upper
95	100		
97	61.9	44.5	82.7
132	91.5	61.5	114.1
130	92.1	64.9	120.5

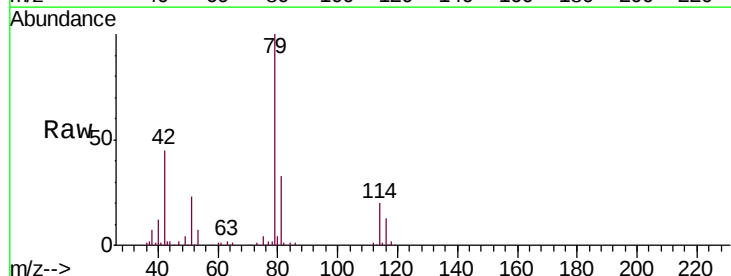


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

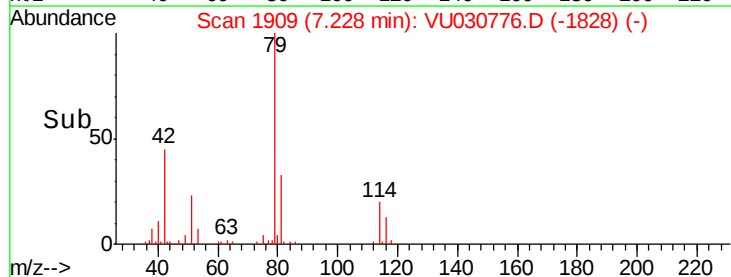
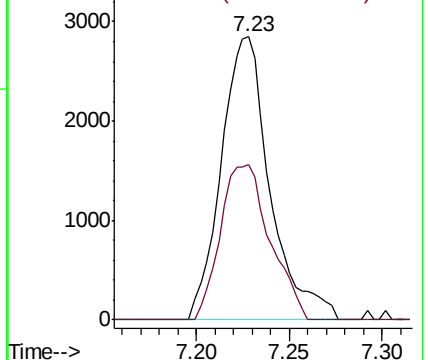


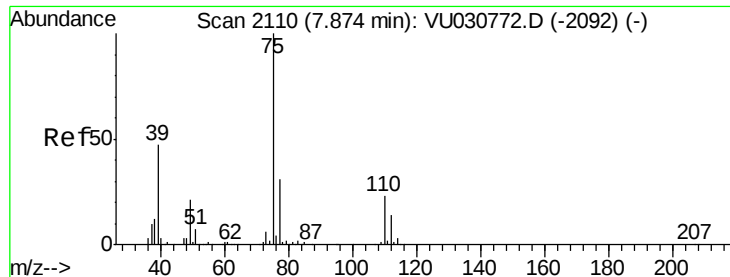
#39
 cis-1,3-Dichloropropene
 Concen: 0.899 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU030776.D
 Acq: 06 Apr 2019 05:15

Tgt Ion:	75	Resp:	5210
Ion	Ratio	Lower	Upper
75	100		
77	54.8	23.1	42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.725 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030776.D

Acq: 06 Apr 2019 05:15

Instrument :

MSVOA_U

ClientSampleId :

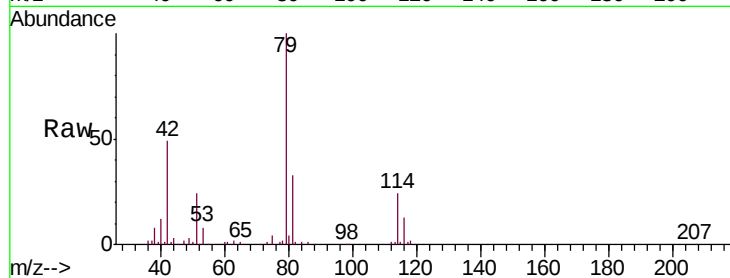
E3YE5DL

Tgt Ion: 75 Resp: 3705

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU030776.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU030776.D (-2092) (-)

7.85

2500

2000

1500

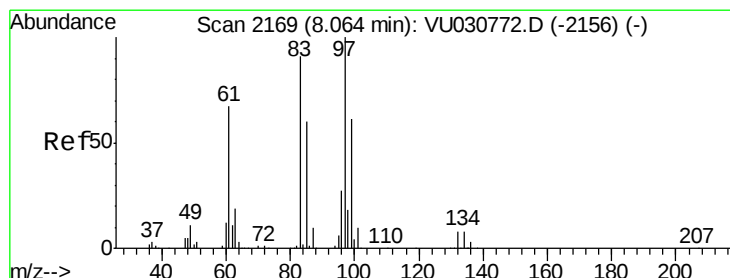
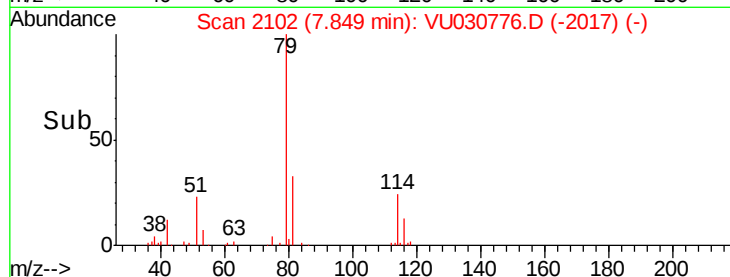
1000

500

0

7.80 7.85 7.90

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.478 ug/L

RT: 8.07 min Scan# 2172

Delta R.T. 0.01 min

Lab File: VU030776.D

Acq: 06 Apr 2019 05:15

Tgt Ion: 97 Resp: 1650

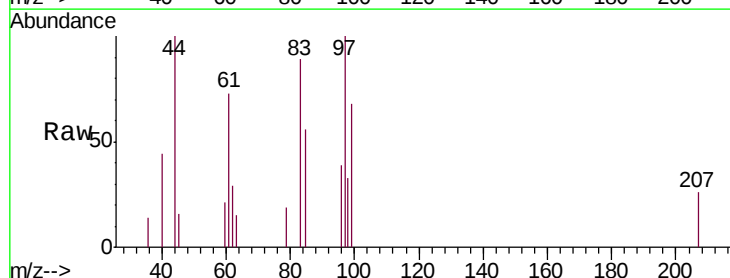
Ion Ratio Lower Upper

97 100

99 68.5 44.0 81.8

83 89.4 65.3 121.3

85 55.7 42.5 78.9



Abundance Ion 97.00 (96.70 to 97.70): VU030776.D (-2156) (-)

Ion 99.00 (98.70 to 99.70): VU030776.D (-2156) (-)

Ion 83.00 (82.70 to 83.70): VU030776.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU030776.D (-2156) (-)

8.07

1200

1000

800

600

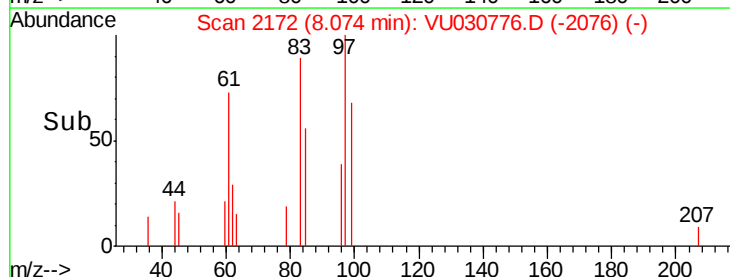
400

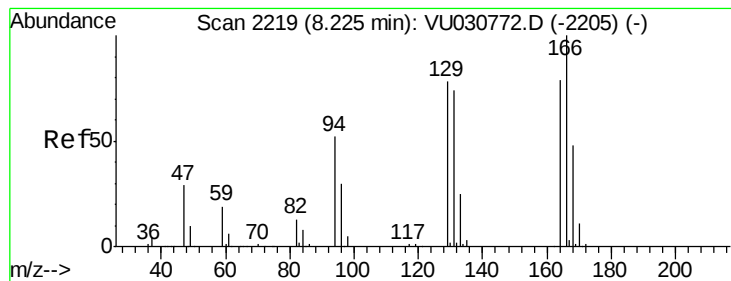
200

0

8.05 8.10

Time-->





#46

Tetrachloroethene

Concen: 14.461 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030776.D

Acq: 06 Apr 2019 05:15

Instrument :

MSVOA_U

ClientSampleId :

E3YE5DL

Tgt Ion:164 Resp: 37091

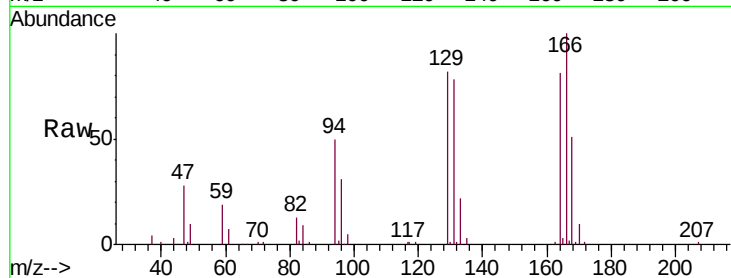
Ion Ratio Lower Upper

164 100

129 101.3 67.4 125.2

131 96.1 65.9 122.5

166 123.9 88.6 164.6



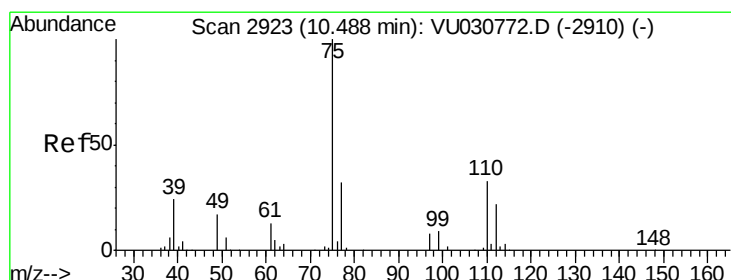
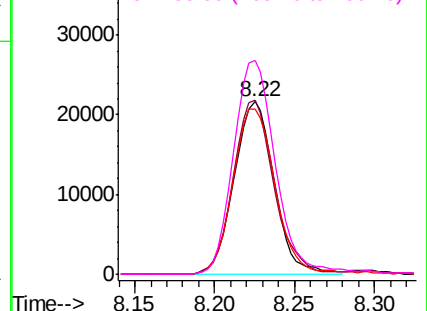
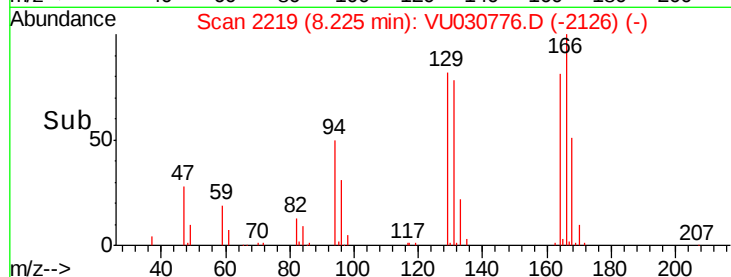
Abundance

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



#59

1,2,3-Trichloropropane

Concen: 5.131 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030776.D

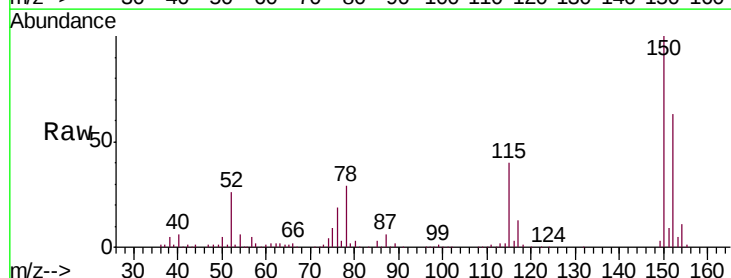
Acq: 06 Apr 2019 05:15

Tgt Ion: 75 Resp: 25027

Ion Ratio Lower Upper

75 100

77 34.3 26.1 39.1



Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

