

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050619\
 Data File : VU031786.D
 Acq On : 06 May 2019 17:52
 Operator : JC/SP
 Sample : K2705-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 07 08:50:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 07 08:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	637533	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	608405	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	223079	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	234968	44.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.08%
7) Chloroethane-d5	1.68	69	190394	46.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.36%
11) 1,1-Dichloroethene-d2	2.27	63	407678	38.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.74%
21) 2-Butanone-d5	4.18	46	607108	125.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.58%
24) Chloroform-d	4.80	84	134	0.01	ug/L	0.16
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.02%#
26) 1,2-Dichloroethane-d4	5.31	65	342495	53.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.30%
32) Benzene-d6	5.34	84	891312	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
36) 1,2-Dichloropropane-d6	6.32	67	346160	52.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.32%
41) Toluene-d8	7.56	98	691966	42.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.04%
43) trans-1,3-Dichloropropene-	7.85	79	132486	46.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.92%
47) 2-Hexanone-d5	8.31	63	330384	116.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.13%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	464695	52.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	225416	48.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.10%

Target Compounds

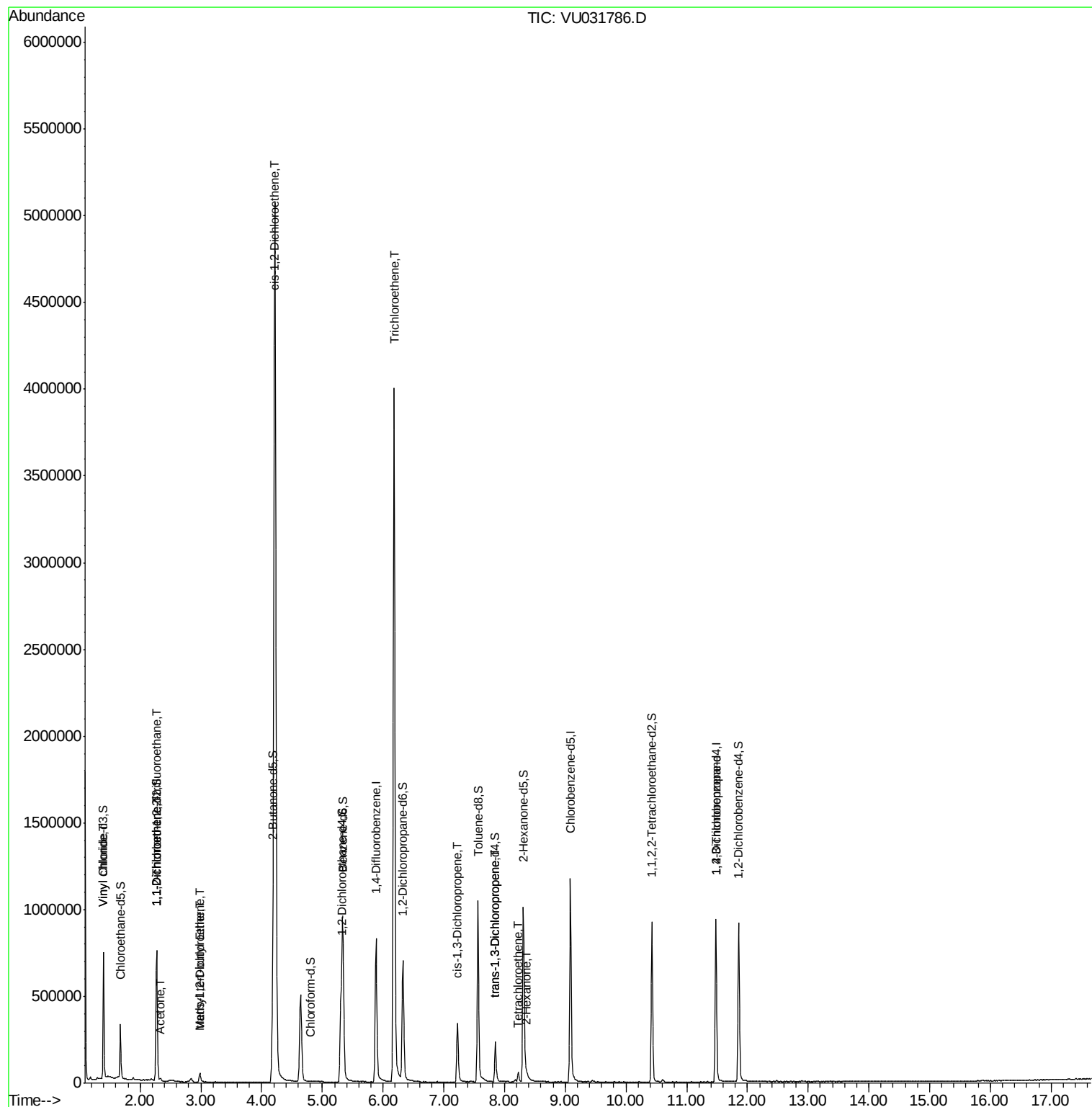
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	286996	36.190	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3216	0.629	ug/L #	24
12) 1,1-Dichloroethene	2.28	96	80293	16.142	ug/L #	44
13) Acetone	2.33	43	13396	2.460	ug/L	86
17) trans-1,2-Dichloroethene	2.98	96	15310	2.954	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	8970	0.543	ug/L #	68
20) cis-1,2-Dichloroethene	4.22	96	2553652	459.316	ug/L	89
34) Trichloroethene	6.18	95	1458430	268.973	ug/L	94
39) cis-1,3-Dichloropropene	7.22	75	7763	0.925	ug/L #	78
44) trans-1,3-Dichloropropene	7.85	75	6030	0.792	ug/L	97
46) Tetrachloroethene	8.23	164	11524	3.118	ug/L	94
48) 2-Hexanone	8.37	43	21726	2.749	ug/L #	46
59) 1,2,3-Trichloropropane	11.48	75	33218	4.412	ug/L	89

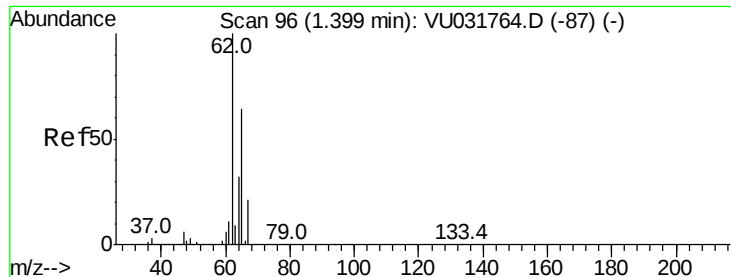
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050619\
Data File : VU031786.D
Acq On : 06 May 2019 17:52
Operator : JC/SP
Sample : K2705-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: May 07 08:50:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue May 07 08:38:32 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 36.190 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031786.D

Acq: 06 May 2019 17:52

Instrument :

MSVOA_U

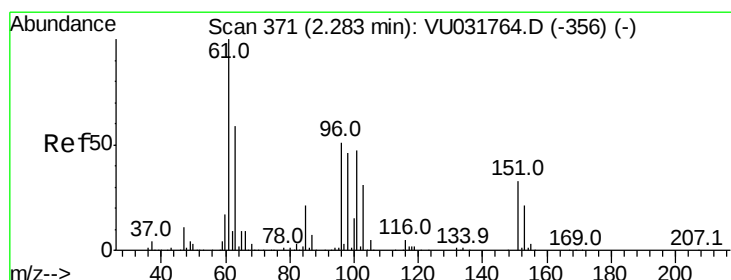
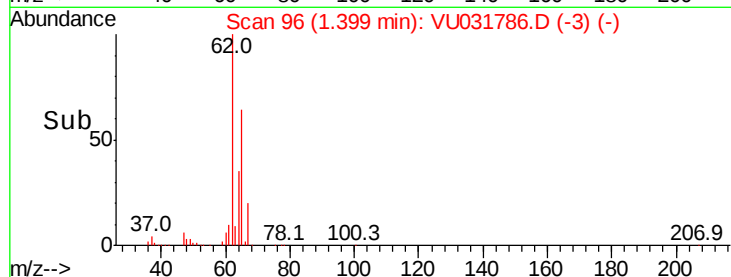
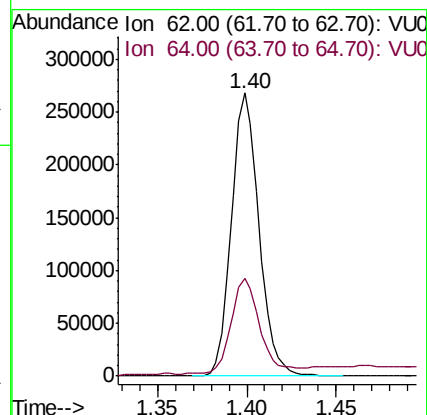
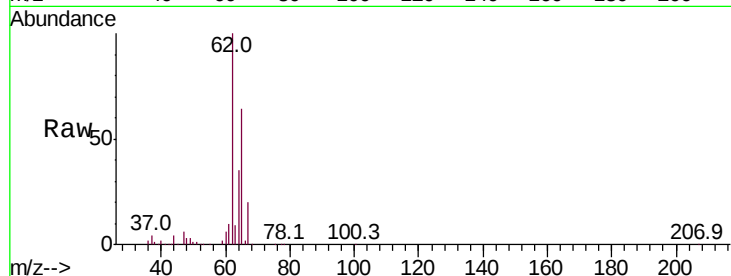
ClientSampleId :

Tot Ion: 62 Resp: 286996

Ion Ratio Lower Upper

62 100

64 34.7 23.1 42.9



#10

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

Concen: 0.629 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031786.D

Acq: 06 May 2019 17:52

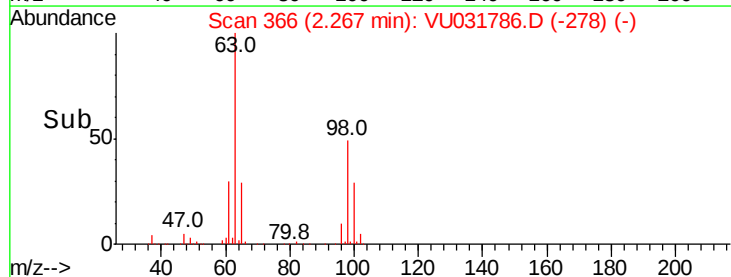
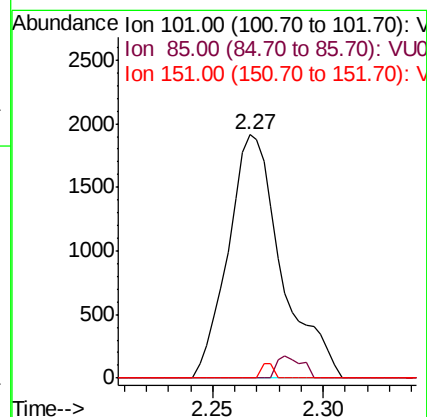
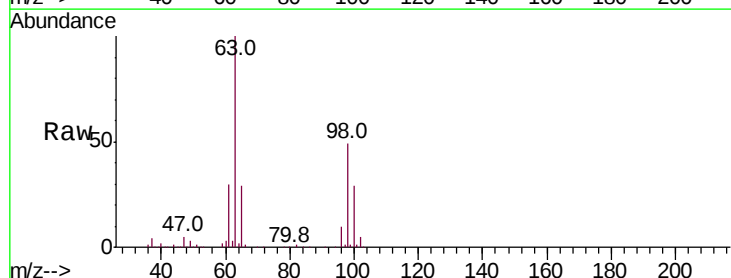
Tgt Ion: 101 Resp: 3216

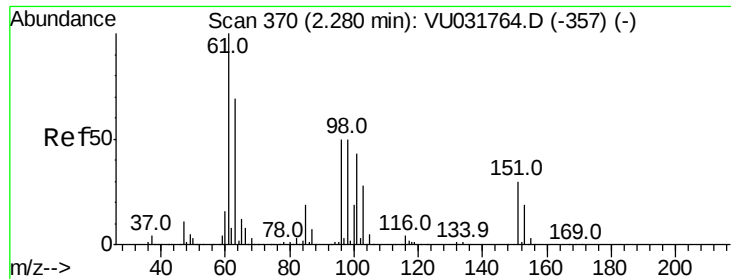
Ion Ratio Lower Upper

101 100

85 3.5 36.1 54.1#

151 1.4 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 16.142 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031786.D

Acq: 06 May 2019 17:52

Instrument :
MSVOA_U
ClientSampled :

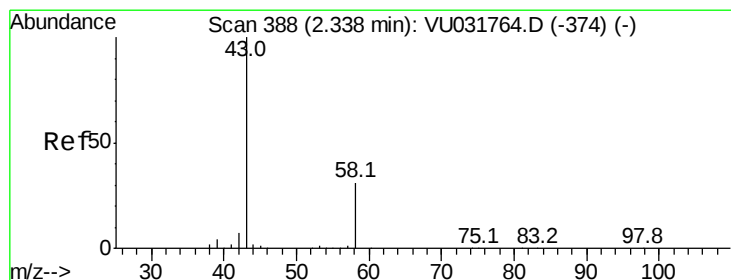
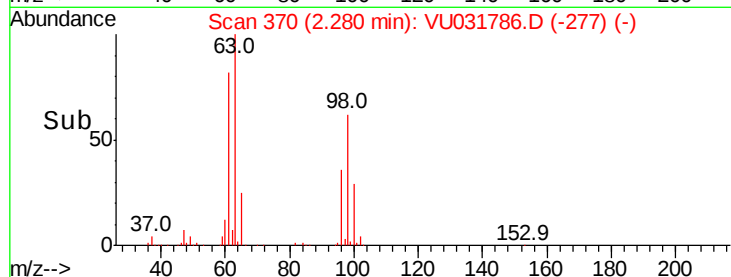
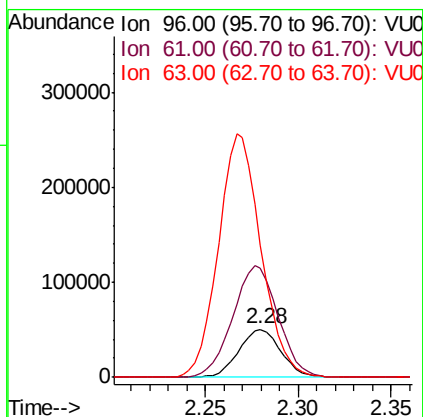
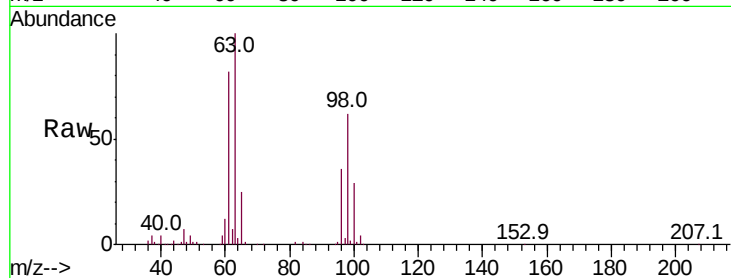
Tot Ion: 96 Resp: 80293

Ion Ratio Lower Upper

96 100

61 225.5 135.0 250.6

63 274.0 103.5 192.3#



#13

Acetone

Concen: 2.460 ug/L

RT: 2.33 min Scan# 387

Delta R.T. -0.00 min

Lab File: VU031786.D

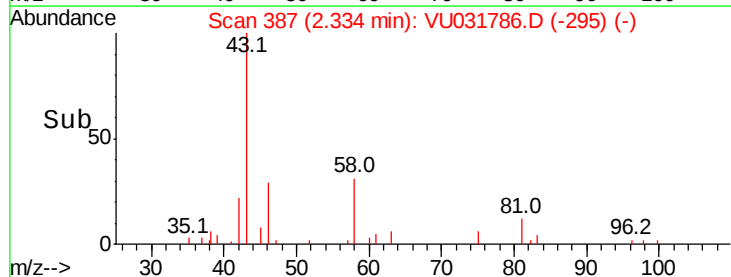
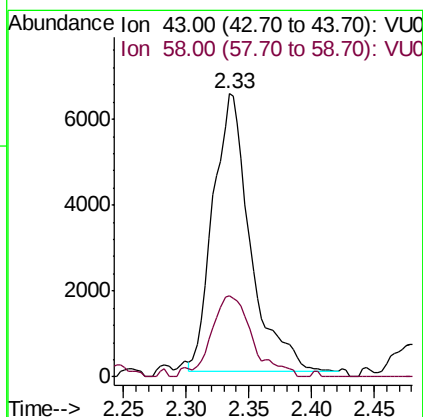
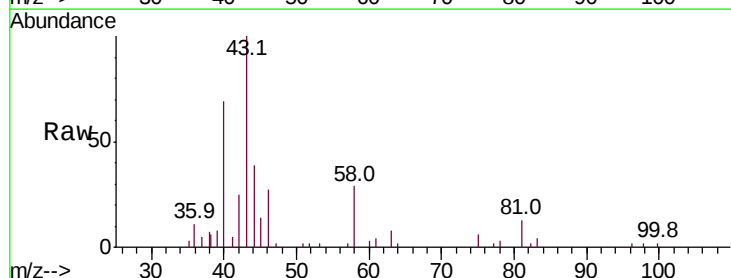
Acq: 06 May 2019 17:52

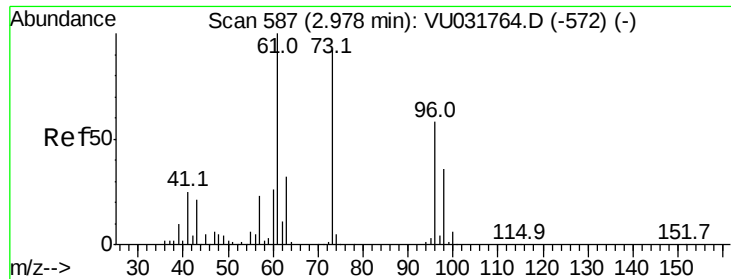
Tgt Ion: 43 Resp: 13396

Ion Ratio Lower Upper

43 100

58 24.3 0.0 64.4





#17

trans-1,2-Dichloroethene

Concen: 2.954 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU031786.D

Acq: 06 May 2019 17:52

Instrument :

MSVOA_U

ClientSampleId :

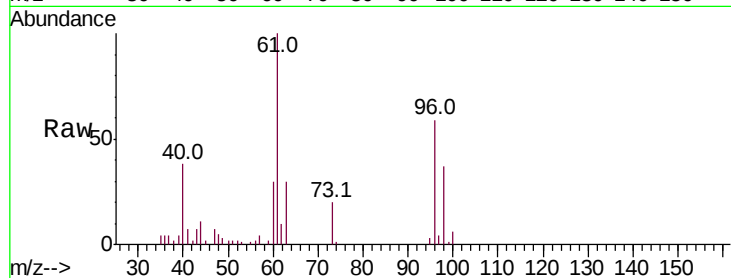
Tot Ion: 96 Resp: 15310

Ion Ratio Lower Upper

96 100

61 170.9 114.5 212.7

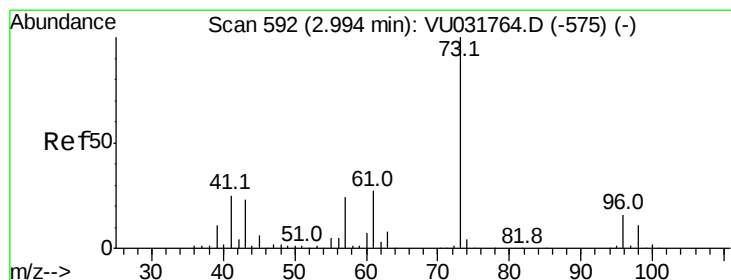
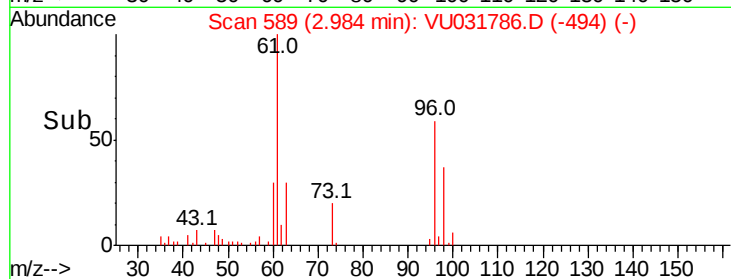
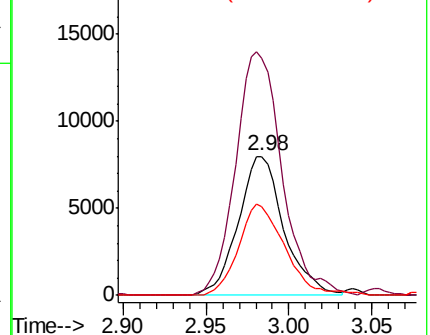
98 63.7 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU031786.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU031786.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU031786.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 0.543 ug/L

RT: 3.00 min Scan# 594

Delta R.T. 0.01 min

Lab File: VU031786.D

Acq: 06 May 2019 17:52

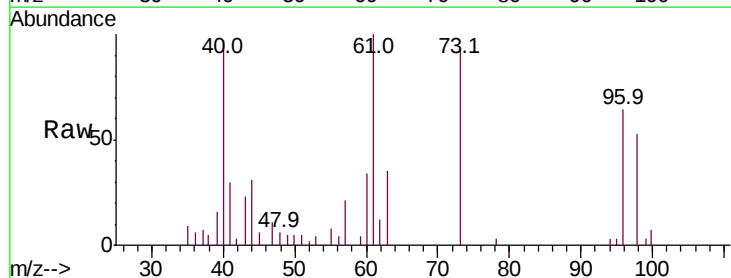
Tgt Ion: 73 Resp: 8970

Ion Ratio Lower Upper

73 100

43 0.0 17.0 25.4#

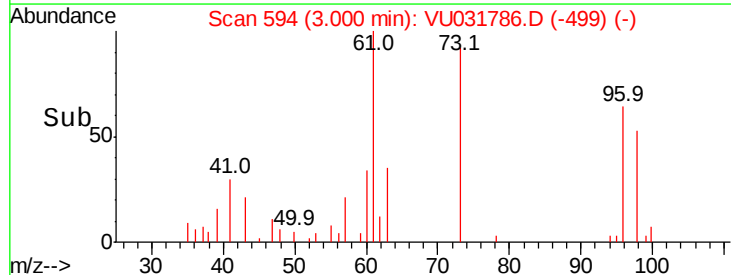
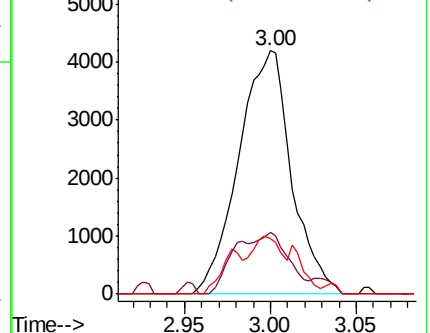
57 13.9 19.5 29.3#

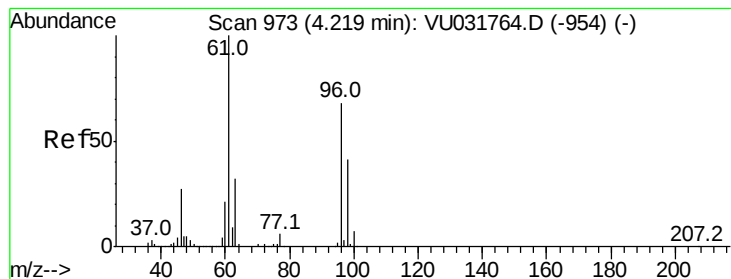


Abundance Ion 73.00 (72.70 to 73.70): VU031786.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU031786.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU031786.D (-499) (-)



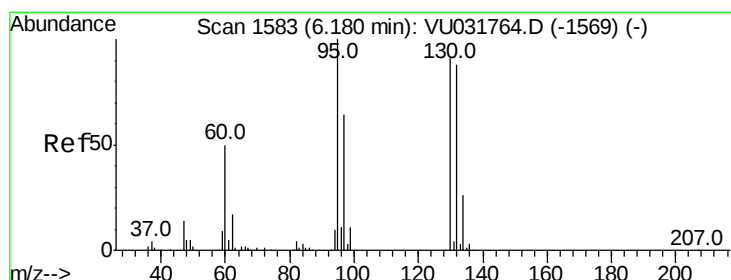
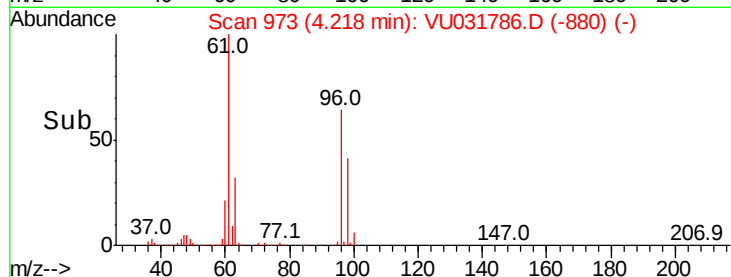
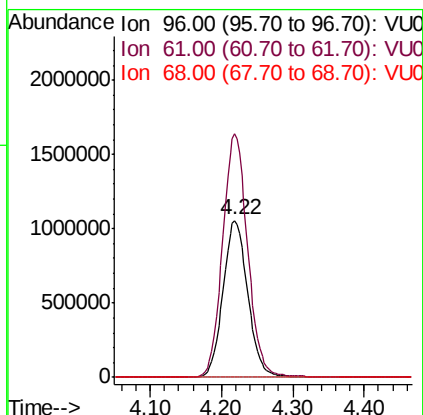
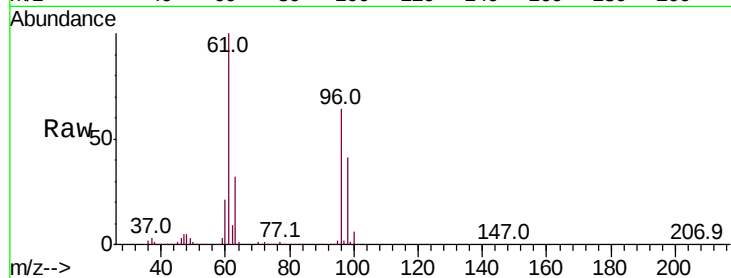


#20

cis-1,2-Dichloroethene
Concen: 459.316 ug/L
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU031786.D
Acq: 06 May 2019 17:52

Instrument :
MSVOA_U
ClientSampleId :

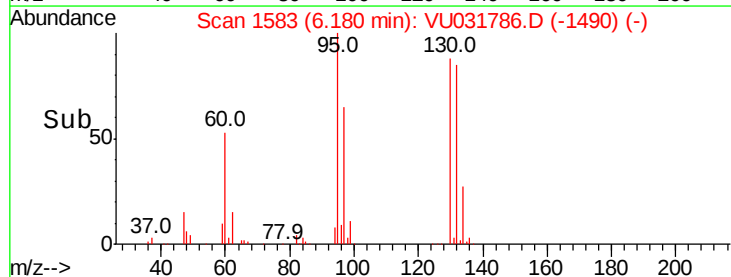
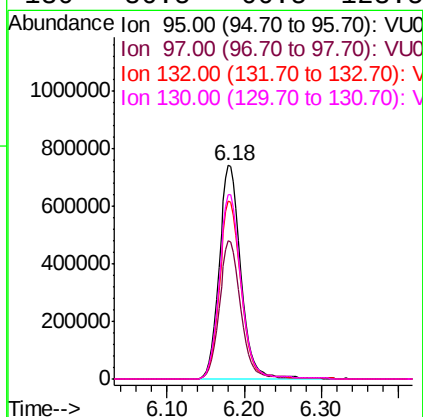
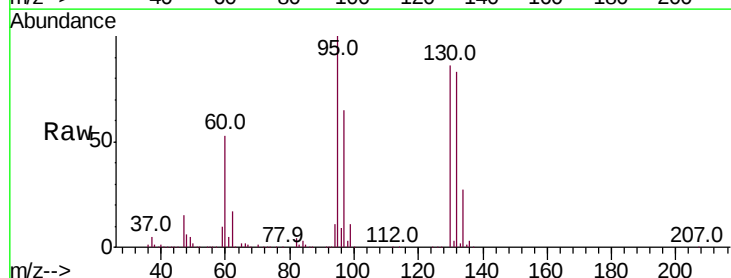
Tot Ion: 96 Resp: 2553652
Ion Ratio Lower Upper
96 100
61 155.3 99.5 184.7
68 0.0 0.0 0.0

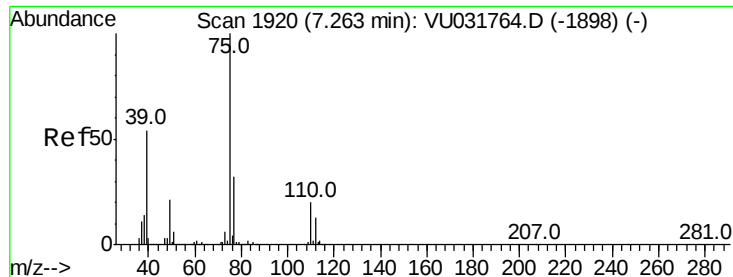


#34

Trichloroethene
Concen: 268.973 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VU031786.D
Acq: 06 May 2019 17:52

Tgt Ion: 95 Resp: 1458430
Ion Ratio Lower Upper
95 100
97 64.5 44.8 83.2
132 83.3 63.1 117.1
130 86.5 66.5 123.5

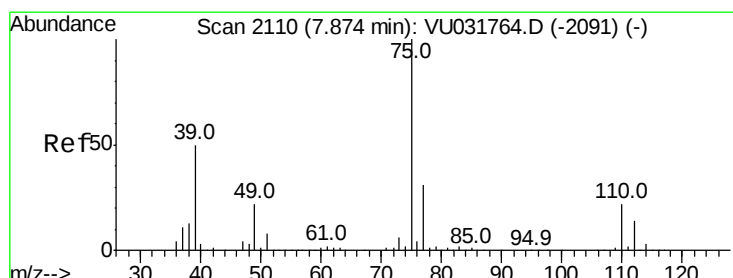
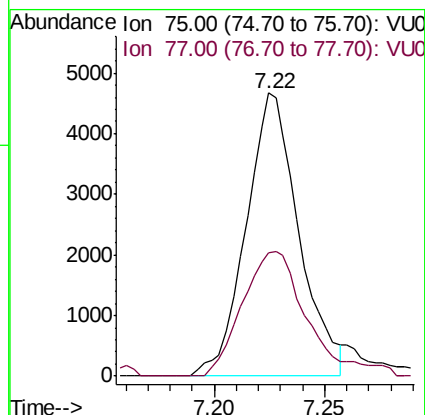
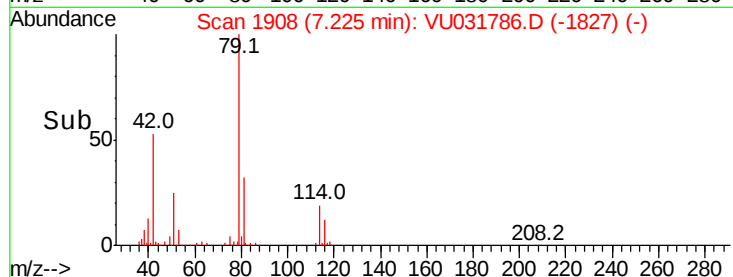
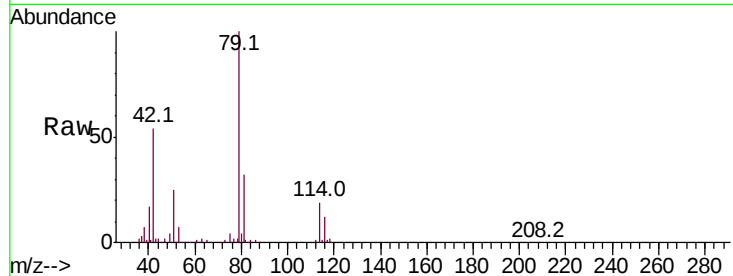




#39
 cis-1,3-Dichloropropene
 Concen: 0.925 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU031786.D
 Acq: 06 May 2019 17:52

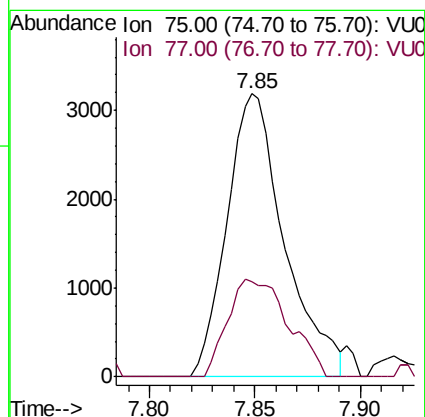
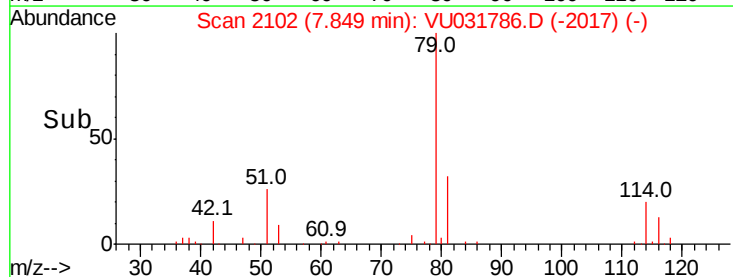
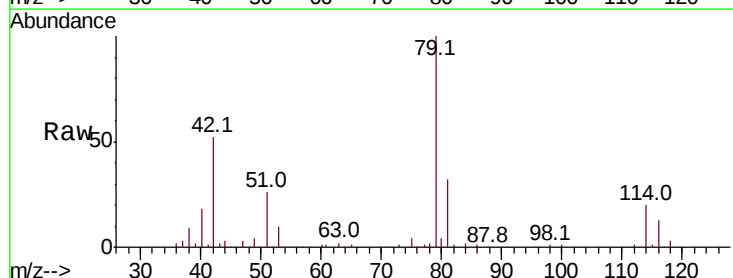
Instrument :
 MSVOA_U
 ClientSampled :

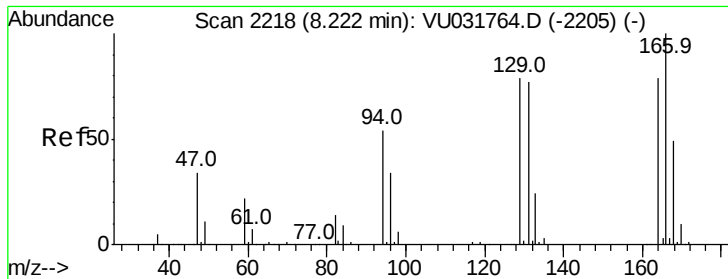
Tot Ion: 75 Resp: 7763
 Ion Ratio Lower Upper
 75 100
 77 43.8 22.1 41.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.792 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU031786.D
 Acq: 06 May 2019 17:52

Tgt Ion: 75 Resp: 6030
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.1 41.1





#46

Tetrachloroethene

Concen: 3.118 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU031786.D

Acq: 06 May 2019 17:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 11524

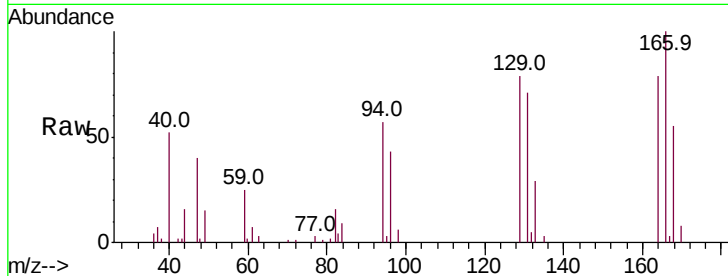
Ion Ratio Lower Upper

164 100

129 99.6 71.5 132.9

131 89.9 69.0 128.2

166 126.2 93.7 173.9

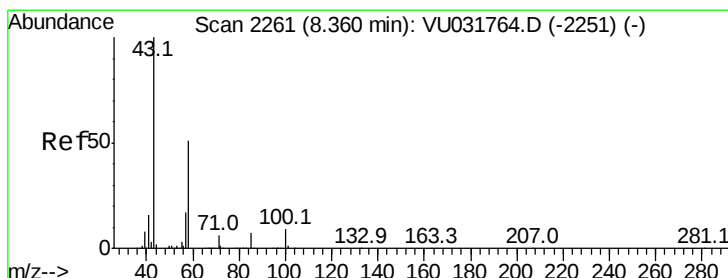
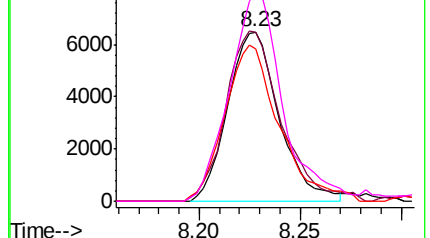
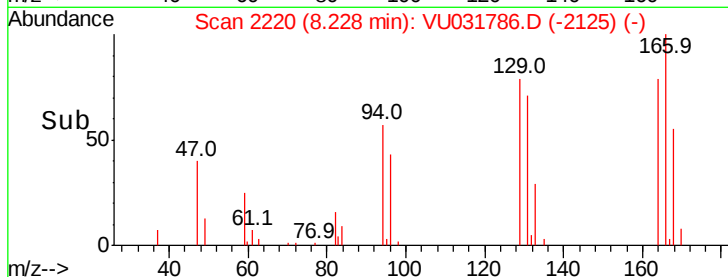


Abundance Ion 164.00 (163.70 to 164.70): V

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: 2.749 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU031786.D

Acq: 06 May 2019 17:52

Tgt Ion: 43 Resp: 21726

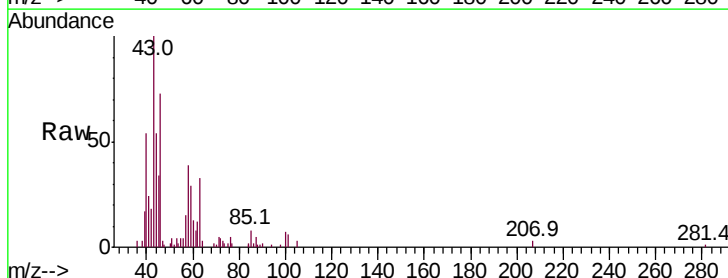
Ion Ratio Lower Upper

43 100

58 4.1 42.1 63.1#

57 2.9 14.6 22.0#

100 6.7 7.2 10.8#

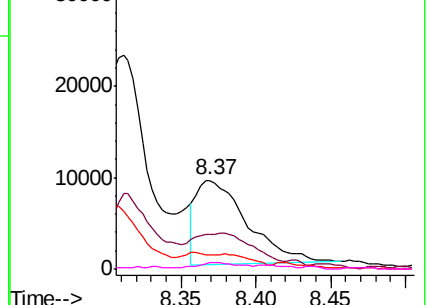
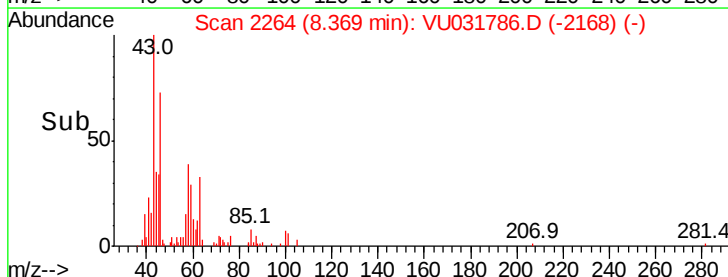


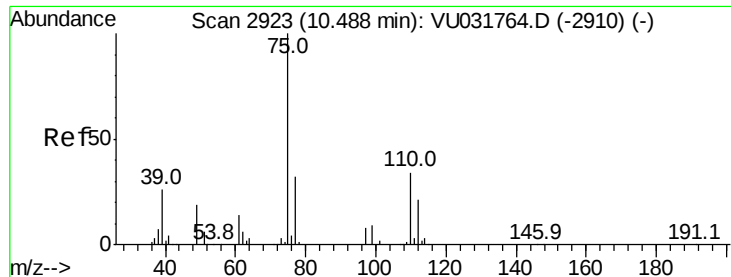
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 4.412 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU031786.D

Acq: 06 May 2019 17:52

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 33218

Ion Ratio Lower Upper

75 100

77 38.4 25.9 38.9

