

Data File : VU030907.D
Acq On : 08 Apr 2019 15:47
Operator : JC/SP
Sample : K2259-08
Misc : 4.72g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETJ45

Quant Time: Apr 09 02:21:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 09 02:16:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	519279	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	519628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	259170	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	163276	35.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.44%
7) Chloroethane-d5	1.64	69	132786	37.74	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.48%
11) 1,1-Dichloroethene-d2	2.23	63	268360	32.01	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.02%
21) 2-Butanone-d5	4.20	46	368732	100.37	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.37%
24) Chloroform-d	4.64	84	328975	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.92%
26) 1,2-Dichloroethane-d4	5.30	65	239947	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.32%
32) Benzene-d6	5.33	84	676710	44.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.22%
36) 1,2-Dichloropropane-d6	6.32	67	239977	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.32%
41) Toluene-d8	7.56	98	610344	45.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.78%
43) trans-1,3-Dichloropropene-	7.85	79	107425	45.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.64%
47) 2-Hexanone-d5	8.32	63	268199	112.88	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.88%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	386321	55.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	253808	49.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	2525	0.679 ug/L #	21
12) 1,1-Dichloroethene	2.22	96	2071	0.577 ug/L #	1
13) Acetone	2.35	43	2576	0.685 ug/L	75
25) Chloroform	4.66	83	17092	2.162 ug/L	92
29) Cyclohexane	4.97	56	47494	6.413 ug/L	96
35) Methylcyclohexane	6.40	83	160564	24.946 ug/L	90
39) cis-1,3-Dichloropropene	7.22	75	6512	0.950 ug/L #	47
44) trans-1,3-Dichloropropene	7.85	75	4350	0.720 ug/L #	72
45) 1,1,2-Trichloroethane	8.04	97	18169	4.449 ug/L #	17
48) 2-Hexanone	8.32	43	62560	10.356 ug/L #	54
56) Isopropylbenzene	10.17	105	23166	1.341 ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.49	83	4710	0.638 ug/L #	31
59) 1,2,3-Trichloropropane	11.48	75	33474	5.805 ug/L	96

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

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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ETJ45

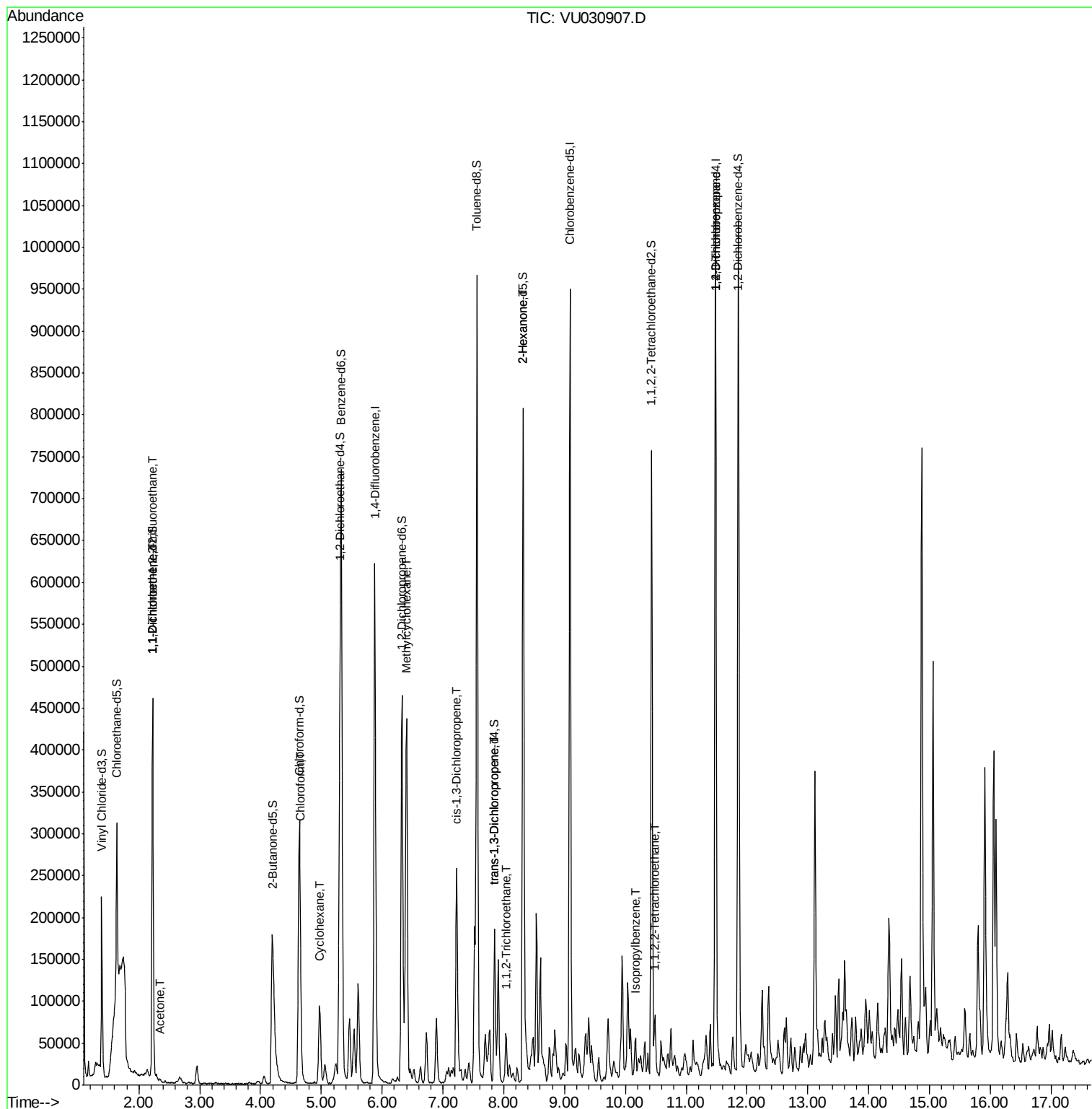
Quant Time: Apr 09 02:21:37 2019

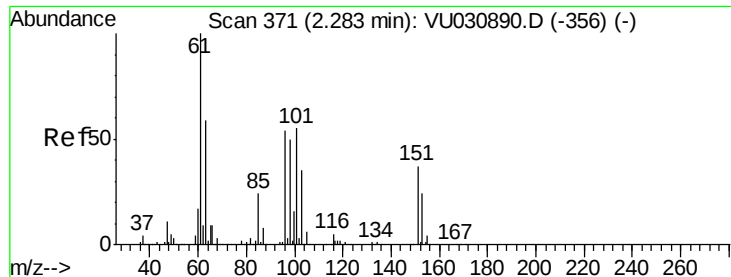
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM040519WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Apr 09 02:16:31 2019

Response via : Initial Calibration





#10

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

Concen: 0.679 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.05 min

Lab File: VU030907.D

Acq: 08 Apr 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

ETJ45

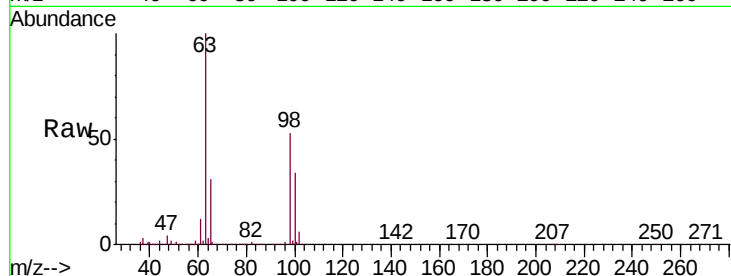
Tgt Ion:101 Resp: 2525

Ion Ratio Lower Upper

101 100

85 1.9 36.8 55.2#

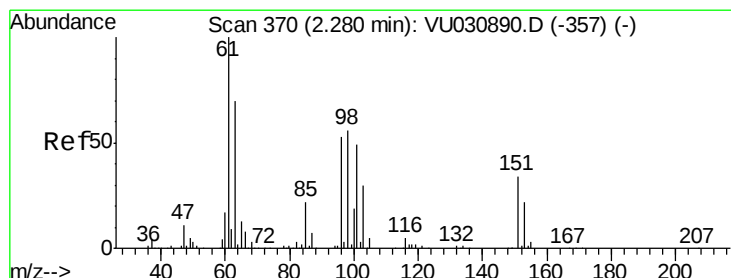
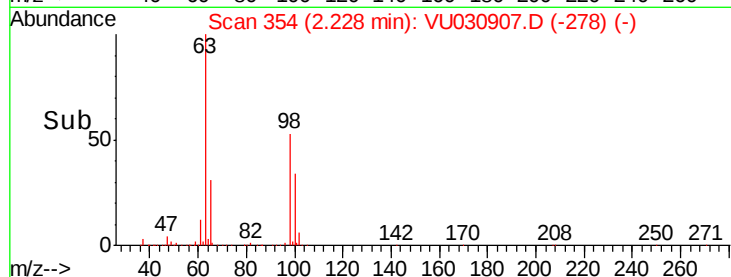
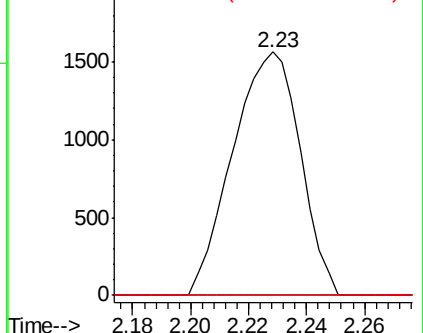
151 0.0 57.4 86.0#



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



#12

1,1-Dichloroethene

Concen: 0.577 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.06 min

Lab File: VU030907.D

Acq: 08 Apr 2019 15:47

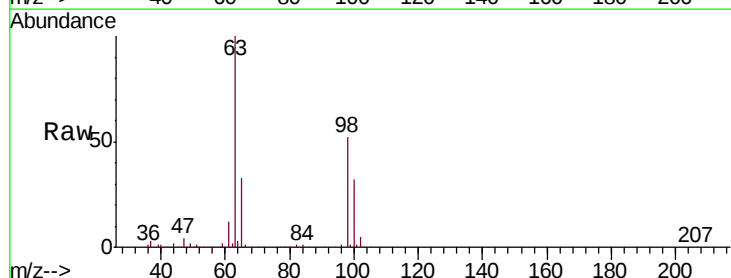
Tgt Ion: 96 Resp: 2071

Ion Ratio Lower Upper

96 100

61 1477.0 132.0 245.2#

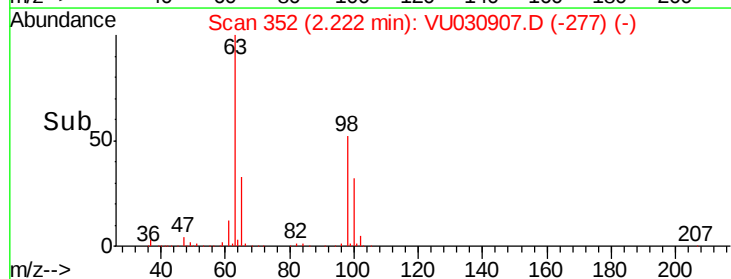
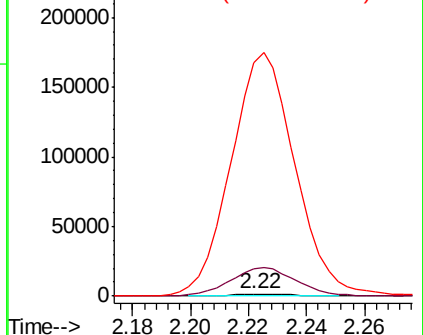
63 12631.2 90.9 168.9#

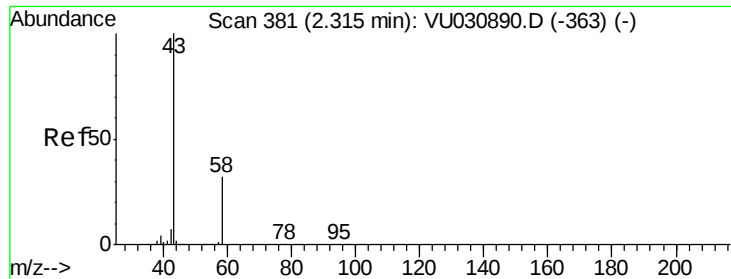


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.685 ug/L

RT: 2.35 min Scan# 391

Delta R.T. 0.03 min

Lab File: VU030907.D

Acq: 08 Apr 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

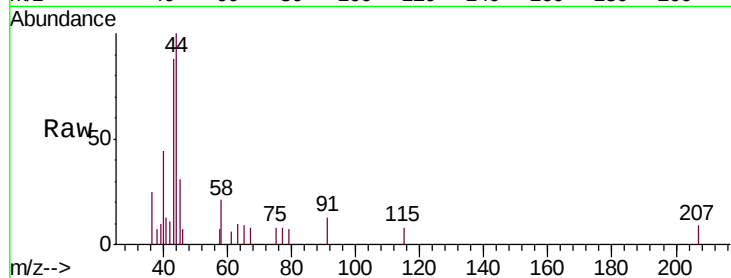
ETJ45

Tgt Ion: 43 Resp: 2576

Ion Ratio Lower Upper

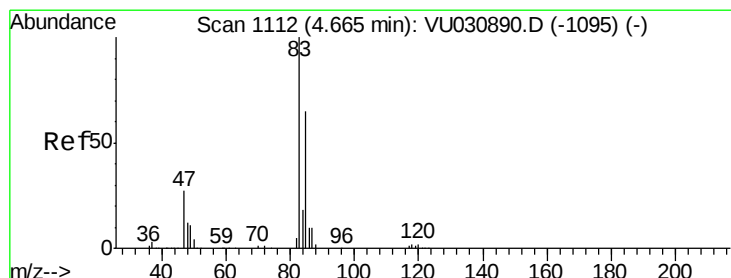
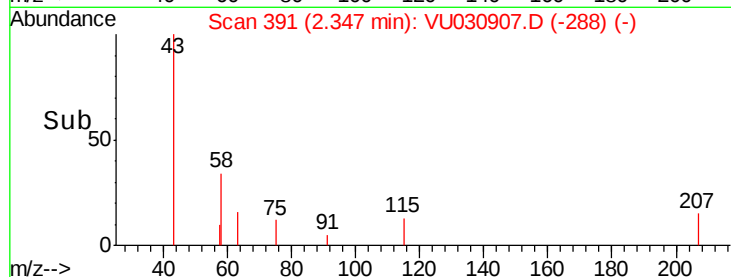
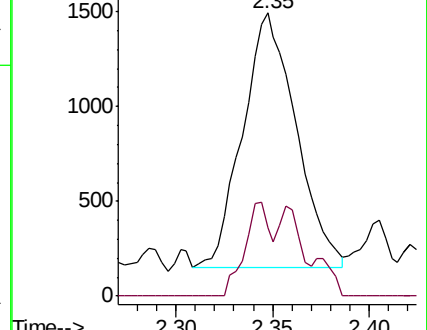
43 100

58 17.9 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU030907.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU030907.D (-363) (-)



#25

Chloroform

Concen: 2.162 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VU030907.D

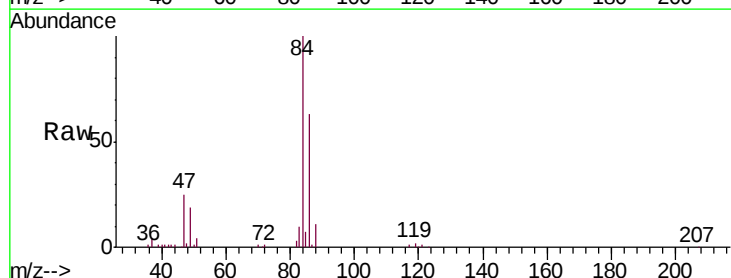
Acq: 08 Apr 2019 15:47

Tgt Ion: 83 Resp: 17092

Ion Ratio Lower Upper

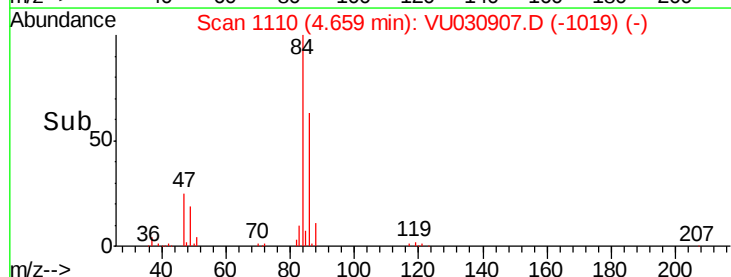
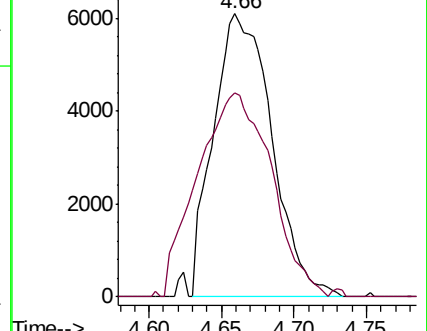
83 100

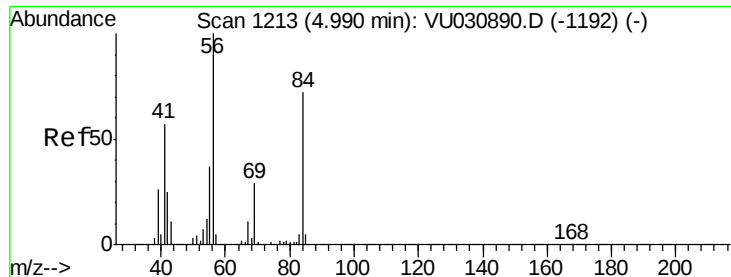
85 72.0 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VU030907.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU030907.D (-1095) (-)

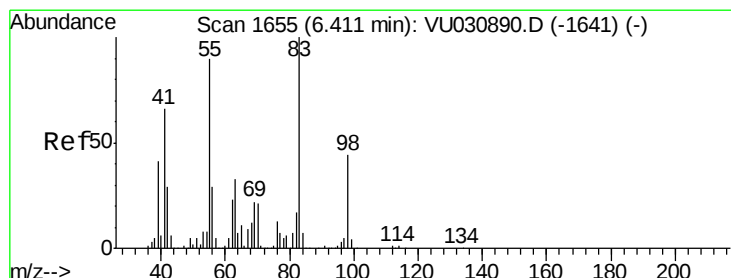
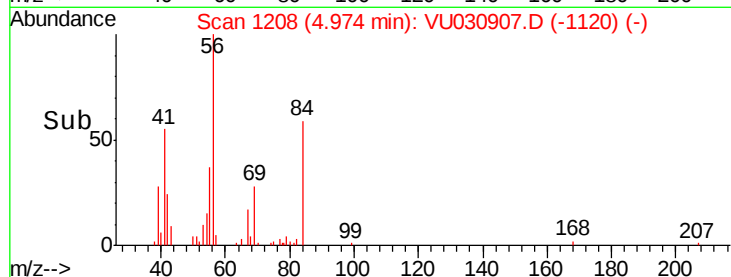
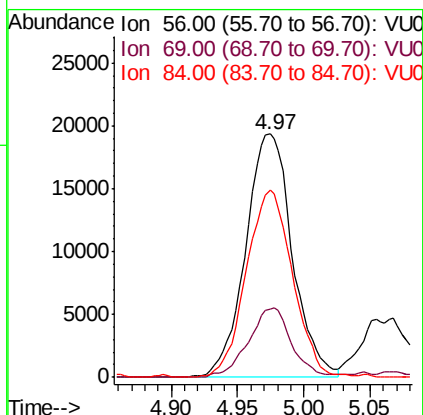
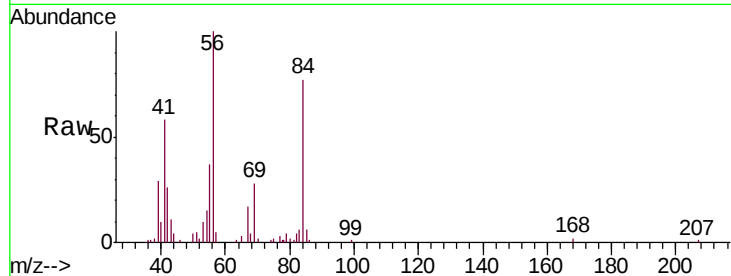




#29
Cyclohexane
Concen: 6.413 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VU030907.D
Acq: 08 Apr 2019 15:47

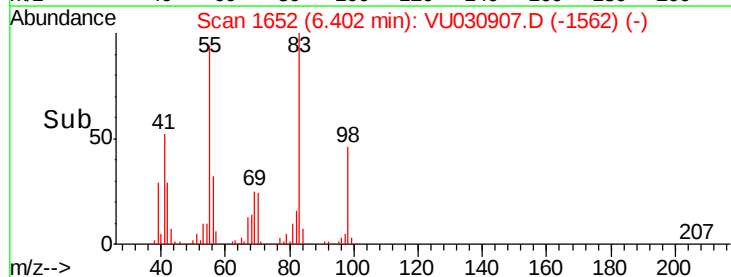
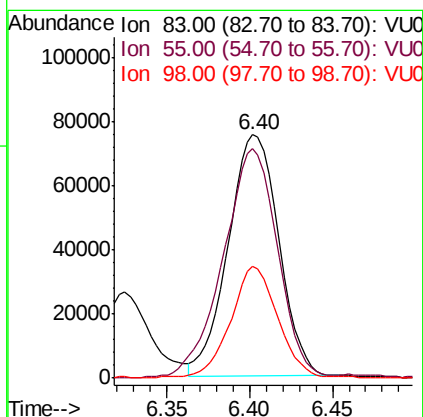
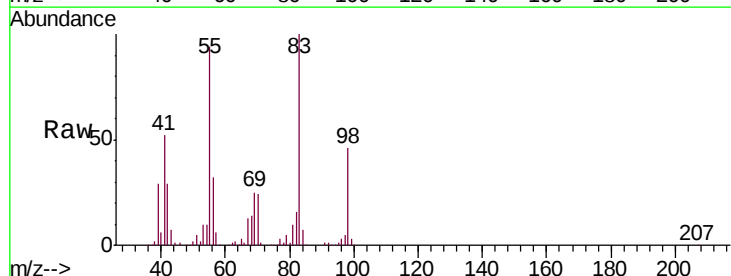
Instrument :
MSVOA_U
ClientSampleId :
ETJ45

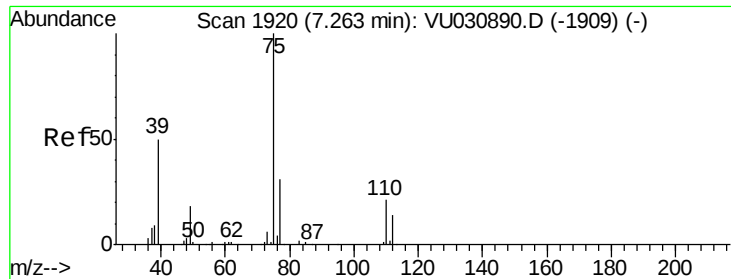
Tgt Ion: 56 Resp: 47494
Ion Ratio Lower Upper
56 100
69 26.3 22.0 33.0
84 76.1 58.2 87.2



#35
Methylcyclohexane
Concen: 24.946 ug/L
RT: 6.40 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VU030907.D
Acq: 08 Apr 2019 15:47

Tgt Ion: 83 Resp: 160564
Ion Ratio Lower Upper
83 100
55 102.4 71.6 107.4
98 43.1 35.4 53.0





#39

cis-1,3-Dichloropropene

Concen: 0.950 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU030907.D

Acq: 08 Apr 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

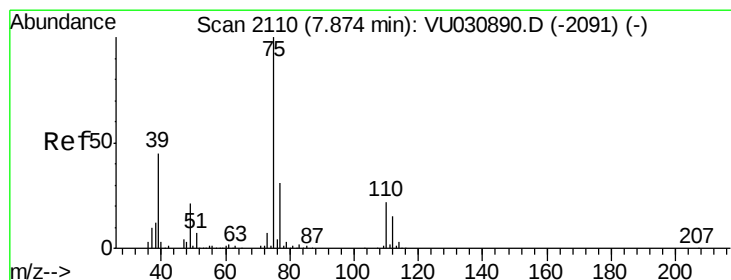
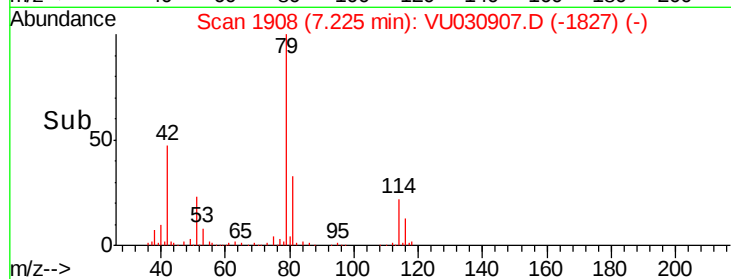
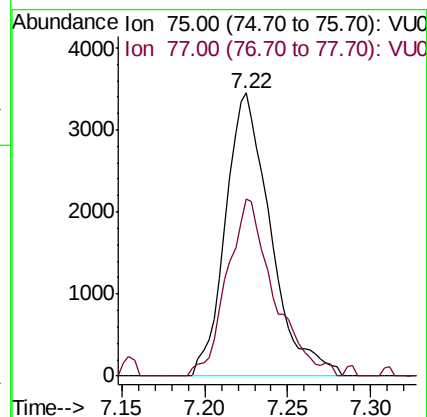
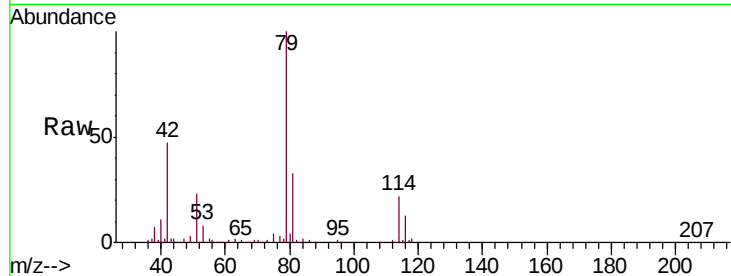
ETJ45

Tgt Ion: 75 Resp: 6512

Ion Ratio Lower Upper

75 100

77 62.8 23.1 42.9#



#44

trans-1,3-Dichloropropene

Concen: 0.720 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU030907.D

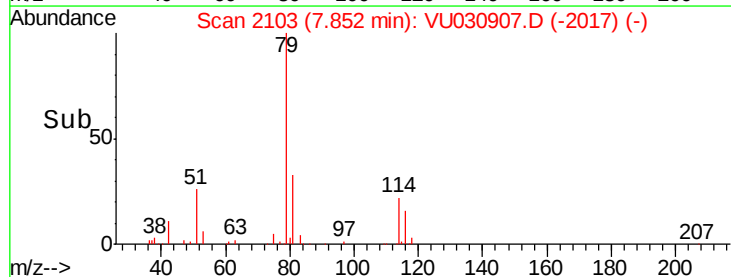
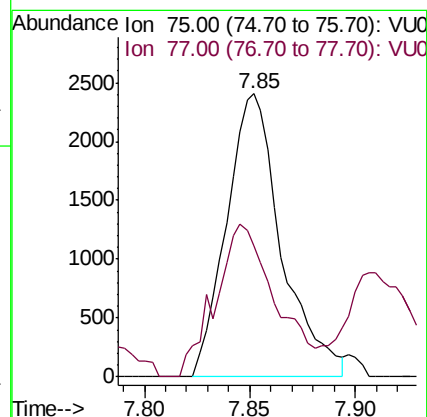
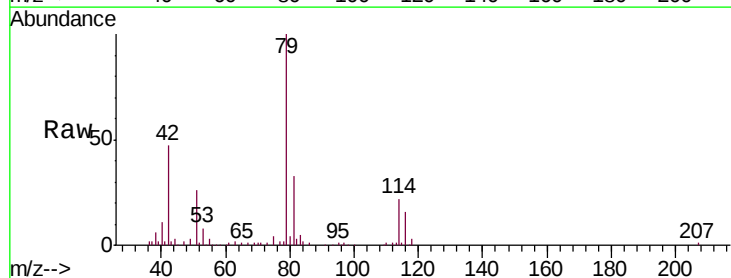
Acq: 08 Apr 2019 15:47

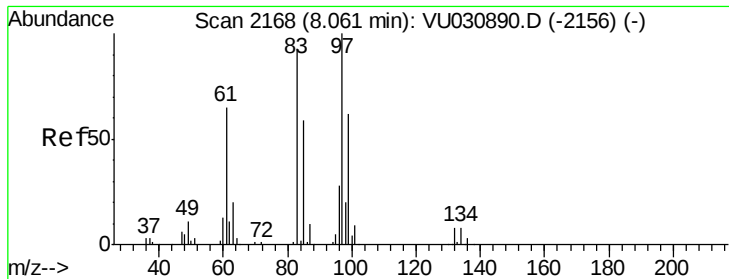
Tgt Ion: 75 Resp: 4350

Ion Ratio Lower Upper

75 100

77 46.3 21.6 40.0#

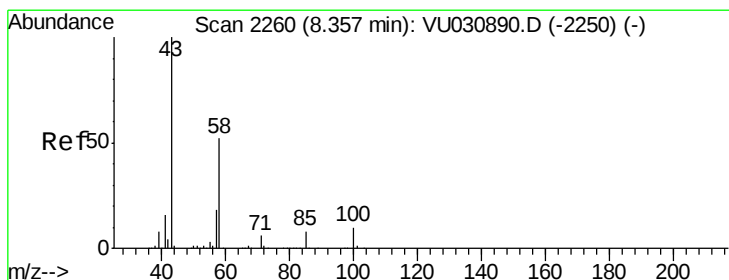
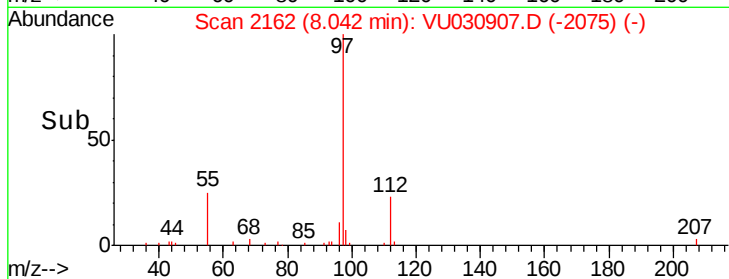
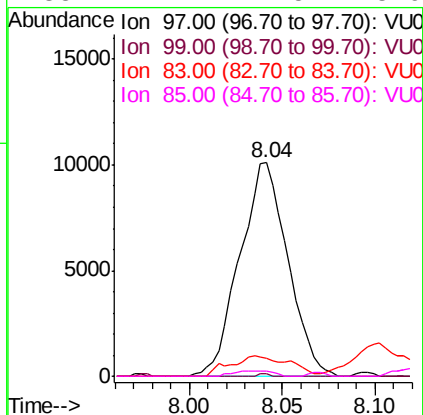
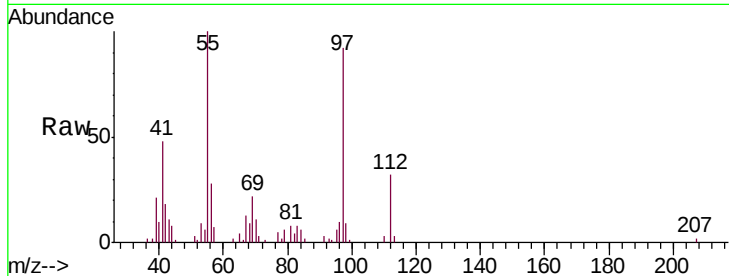




#45
 1,1,2-Trichloroethane
 Concen: 4.449 ug/L
 RT: 8.04 min Scan# 2162
 Delta R.T. -0.02 min
 Lab File: VU030907.D
 Acq: 08 Apr 2019 15:47

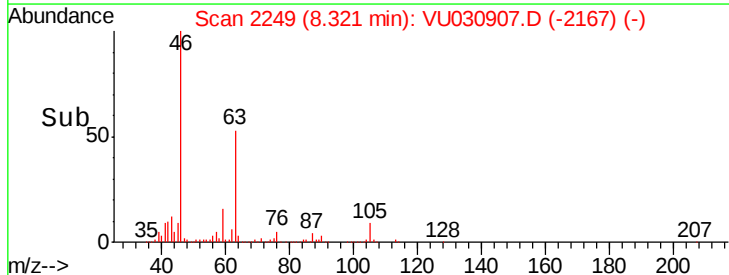
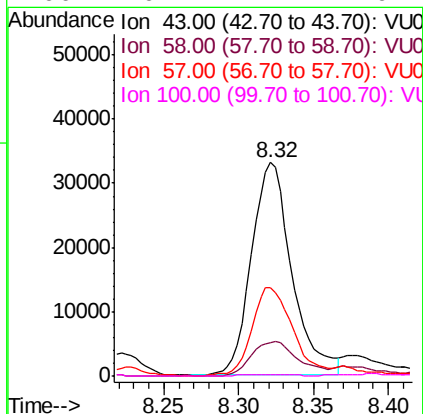
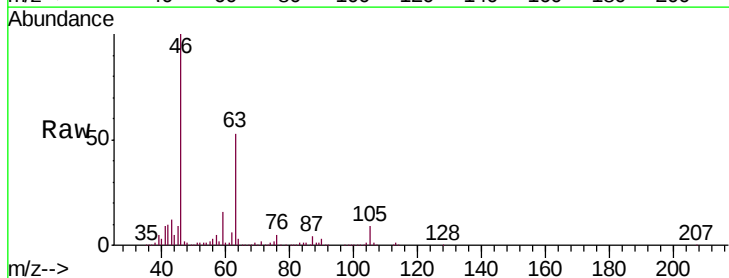
Instrument :
 MSVOA_U
 ClientSampleId :
 ETJ45

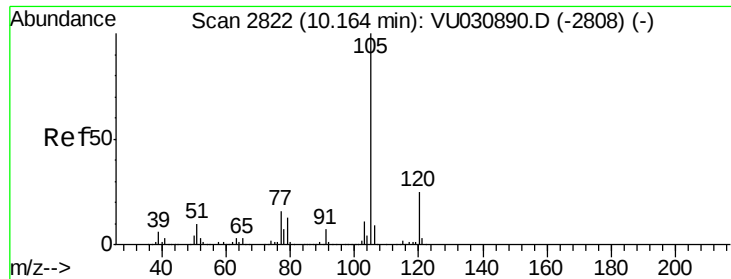
Tgt Ion:	97	Resp:	18169
Ion	Ratio	Lower	Upper
97	100		
99	1.2	44.0	81.8#
83	8.5	65.3	121.3#
85	2.2	42.5	78.9#



#48
 2-Hexanone
 Concen: 10.356 ug/L
 RT: 8.32 min Scan# 2249
 Delta R.T. -0.04 min
 Lab File: VU030907.D
 Acq: 08 Apr 2019 15:47

Tgt Ion:	43	Resp:	62560
Ion	Ratio	Lower	Upper
43	100		
58	18.8	41.9	62.9#
57	41.6	14.3	21.5#
100	0.2	7.1	10.7#





#56

Isopropylbenzene

Concen: 1.341 ug/L

RT: 10.17 min Scan# 2823

Delta R.T. 0.00 min

Lab File: VU030907.D

Acq: 08 Apr 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

ETJ45

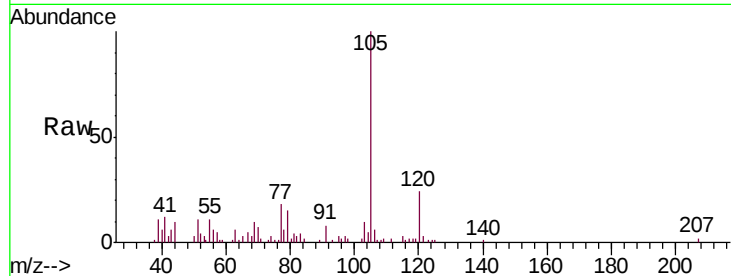
Tgt Ion:105 Resp: 23166

Ion Ratio Lower Upper

105 100

120 26.7 20.4 30.6

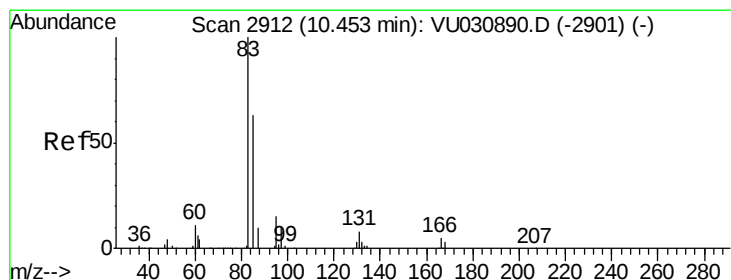
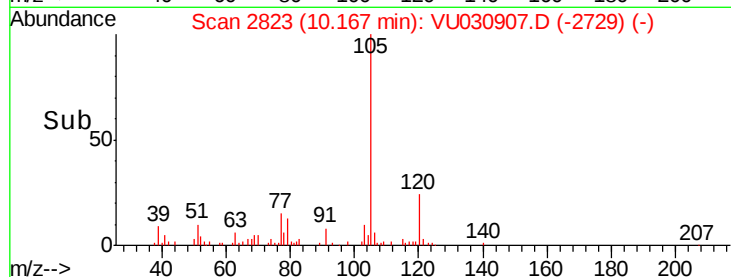
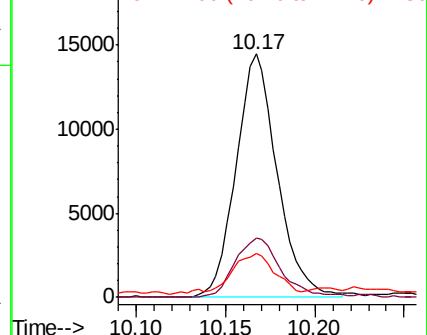
77 15.0 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.638 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.04 min

Lab File: VU030907.D

Acq: 08 Apr 2019 15:47

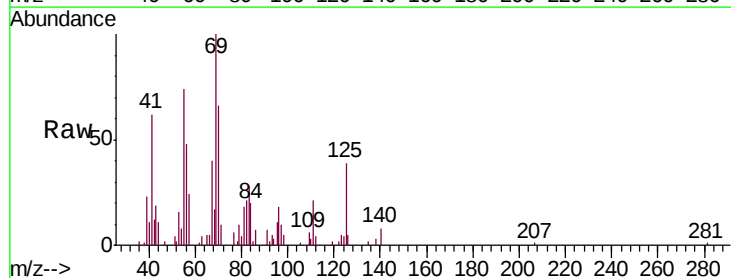
Tgt Ion: 83 Resp: 4710

Ion Ratio Lower Upper

83 100

85 6.0 45.3 84.1#

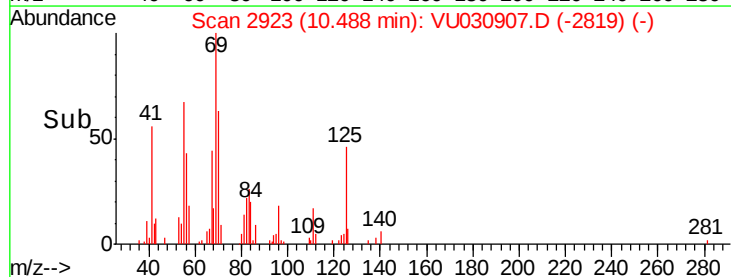
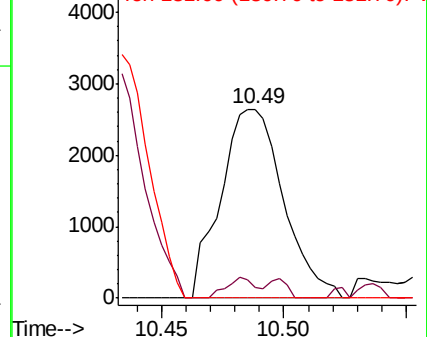
131 0.0 6.7 10.1#

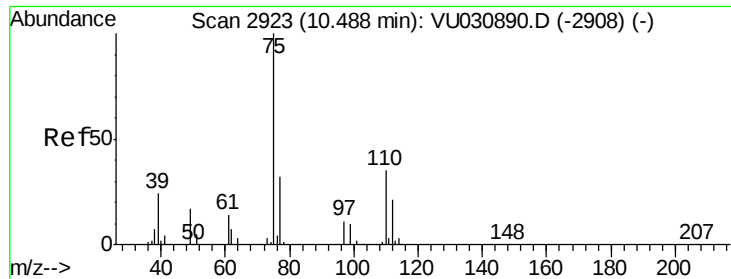


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.805 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030907.D

Acq: 08 Apr 2019 15:47

Instrument :

MSVOA_U

ClientSampleId :

ETJ45

Tgt Ion: 75 Resp: 33474

Ion Ratio Lower Upper

75 100

77 35.1 26.1 39.1

