

Data File : VU033552.D
Acq On : 01 Aug 2019 16:21
Operator : JC/SP
Sample : K4117-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
JLLG7

Quant Time: Aug 02 02:31:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 02:28:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	295193	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	294474	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	131224	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	136878	63.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	127.54%
7) Chloroethane-d5	1.67	69	118426	64.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	128.62%
11) 1,1-Dichloroethene-d2	2.26	63	177740	45.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.26%
21) 2-Butanone-d5	4.15	46	181370	127.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	127.59%
24) Chloroform-d	4.62	84	207126	57.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.14%
26) 1,2-Dichloroethane-d4	5.29	65	138853	60.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.90%
32) Benzene-d6	5.32	84	437148	59.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.78%
36) 1,2-Dichloropropane-d6	6.31	67	138829	60.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	121.34%#
41) Toluene-d8	7.55	98	388977	56.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.72%
43) trans-1,3-Dichloropropene-	7.83	79	63643	56.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.14%
47) 2-Hexanone-d5	8.30	63	130762	120.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.36%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	201491	57.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	145583	60.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	121.16%#

Target Compounds

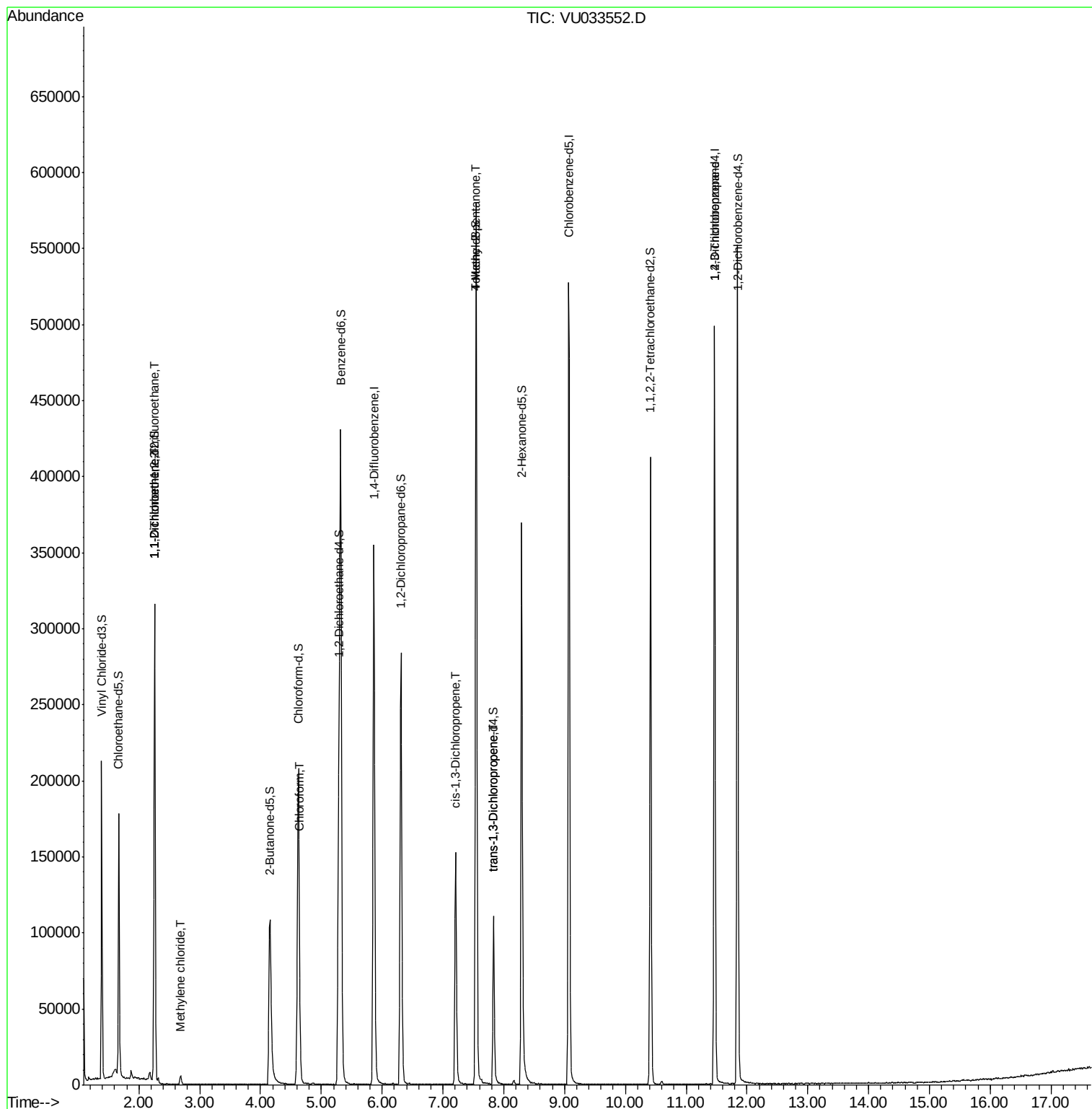
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1656	0.831 ug/L #	19
12) 1,1-Dichloroethene	2.26	96	1351	0.707 ug/L #	1
16) Methylene chloride	2.68	84	2463	1.128 ug/L	94
25) Chloroform	4.65	83	7288	1.842 ug/L	96
39) cis-1,3-Dichloropropene	7.21	75	3858	1.087 ug/L #	74
40) 4-Methyl-2-pentanone	7.54	43	1548	0.493 ug/L #	1
44) trans-1,3-Dichloropropene	7.83	75	2759	0.860 ug/L	95
59) 1,2,3-Trichloropropane	11.47	75	15014	5.002 ug/L	90

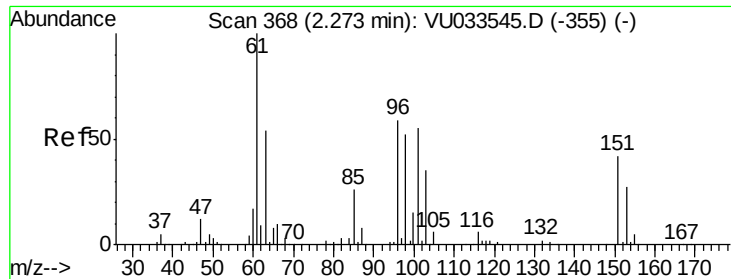
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.831 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033552.D

Acq: 01 Aug 2019 16:21

Instrument :

MSVOA_U

ClientSampled :

JLLG7

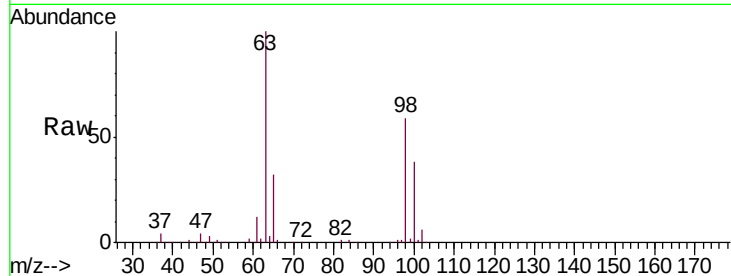
Tgt Ion:101 Resp: 1656

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

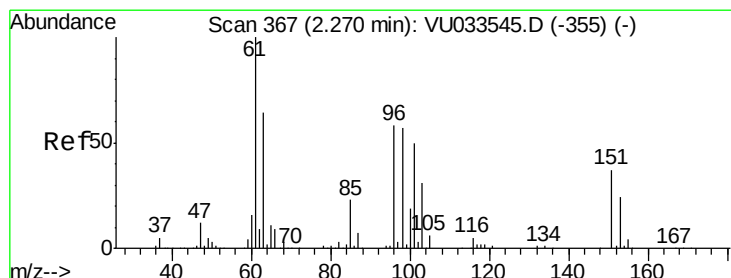
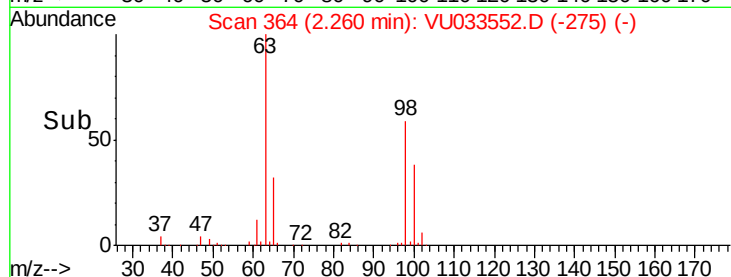
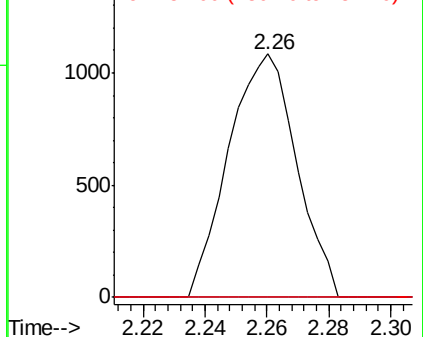
151 0.0 60.1 90.1#



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: 0.707 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033552.D

Acq: 01 Aug 2019 16:21

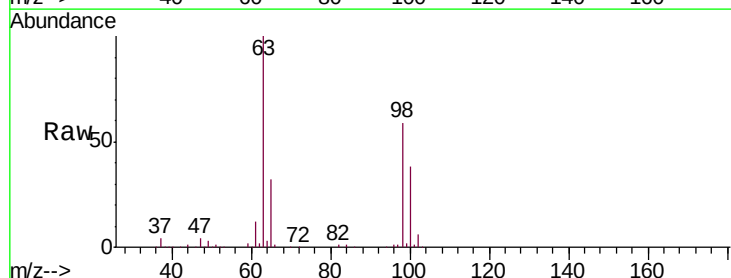
Tgt Ion: 96 Resp: 1351

Ion Ratio Lower Upper

96 100

61 1421.5 119.3 221.5#

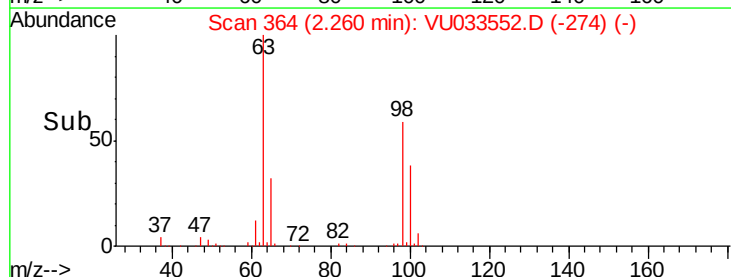
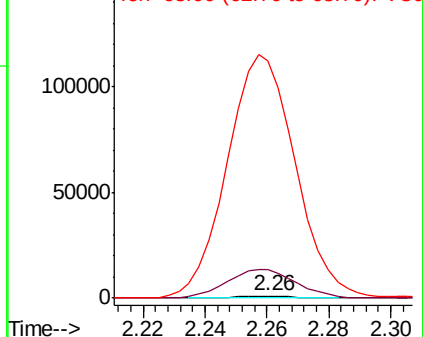
63 11783.2 86.6 160.8#

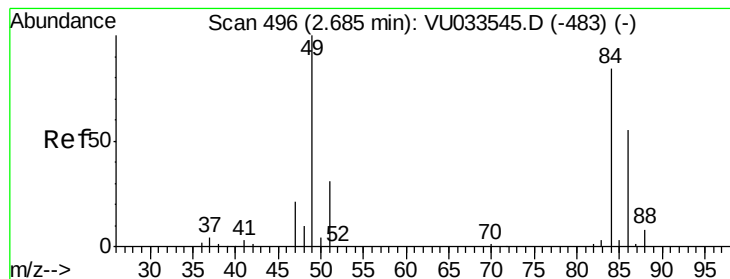


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#16

Methylene chloride

Concen: 1.128 ug/L

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU033552.D

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Instrument :

MSVOA_U

ClientSampleId :

JLLG7

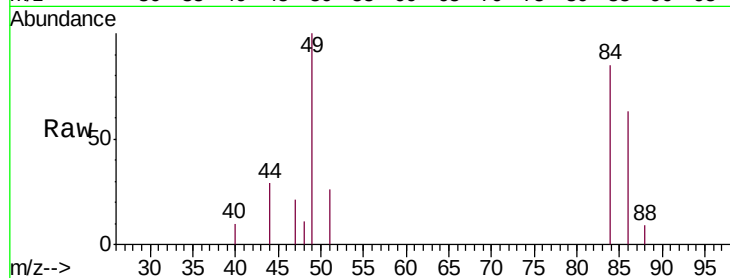
Tgt Ion: 84 Resp: 2463

Ion Ratio Lower Upper

84 100

86 74.0 45.7 84.9

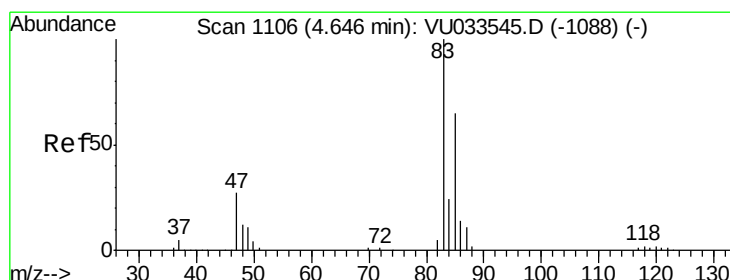
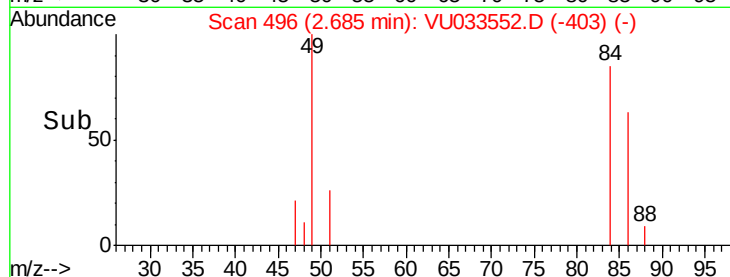
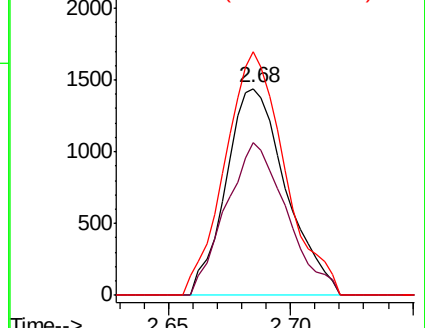
49 117.8 85.0 158.0



Abundance Ion 84.00 (83.70 to 84.70): VU033552.D (-1013) (-)

Ion 86.00 (85.70 to 86.70): VU033552.D (-1013) (-)

Ion 49.00 (48.70 to 49.70): VU033552.D (-1013) (-)



#25

Chloroform

Concen: 1.842 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033552.D

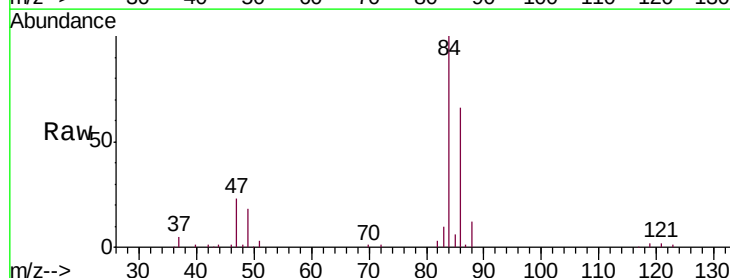
Acq: 01 Aug 2019 16:21

Tgt Ion: 83 Resp: 7288

Ion Ratio Lower Upper

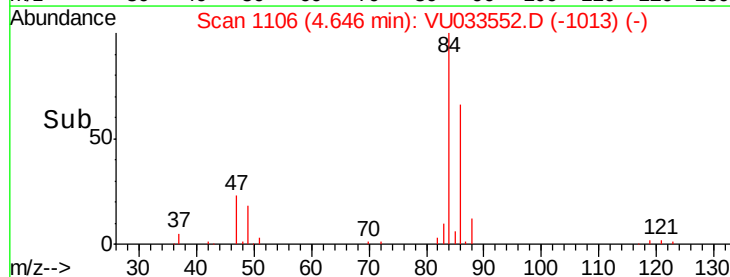
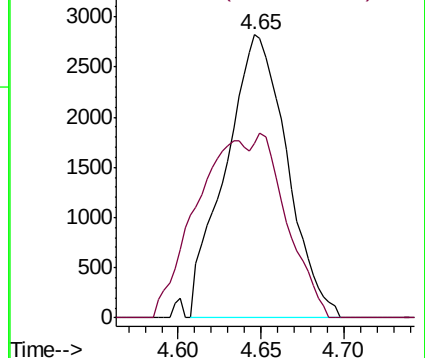
83 100

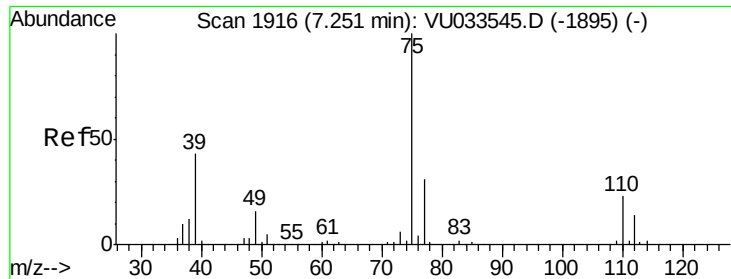
85 61.7 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VU033552.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VU033552.D (-1013) (-)

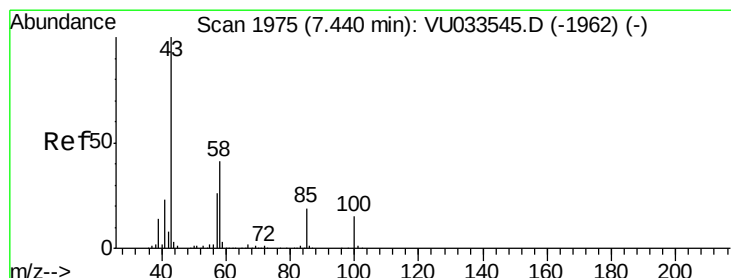
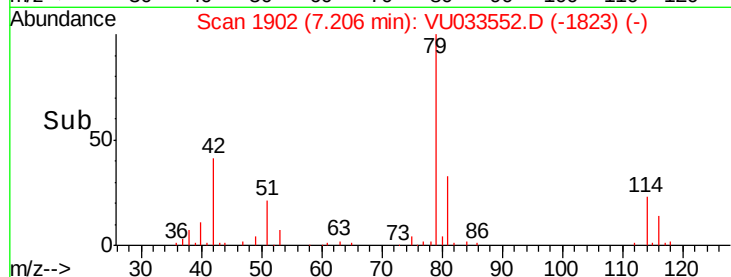
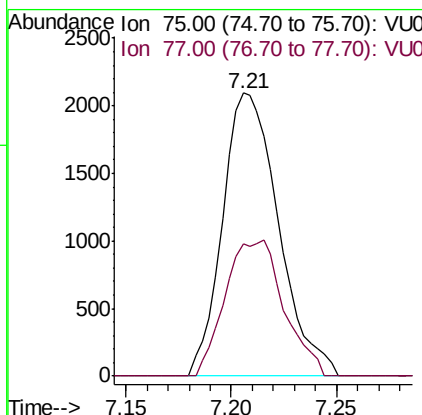
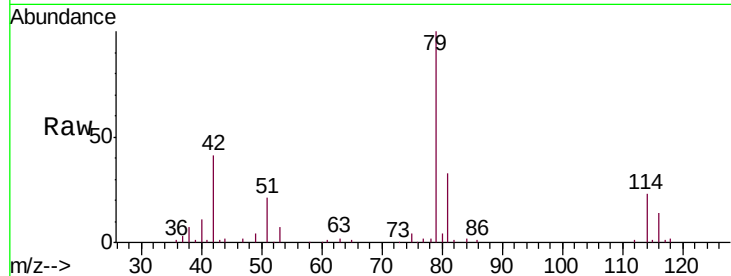




#39
 cis-1,3-Dichloropropene
 Concen: 1.087 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.05 min
 Lab File: VU033552.D
 Acq: 01 Aug 2019 16:21

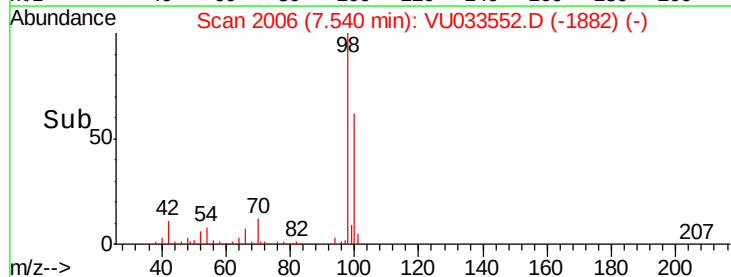
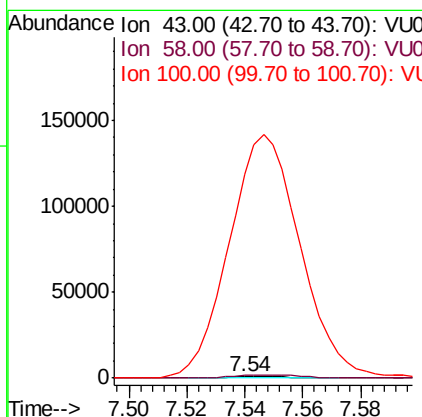
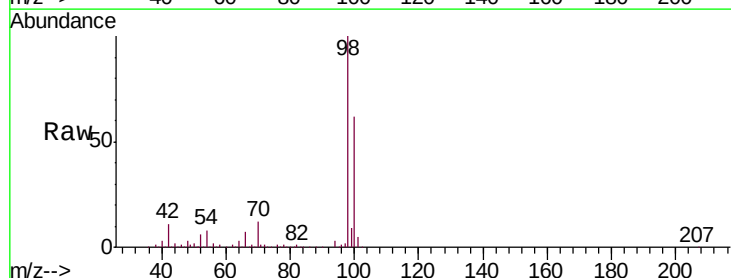
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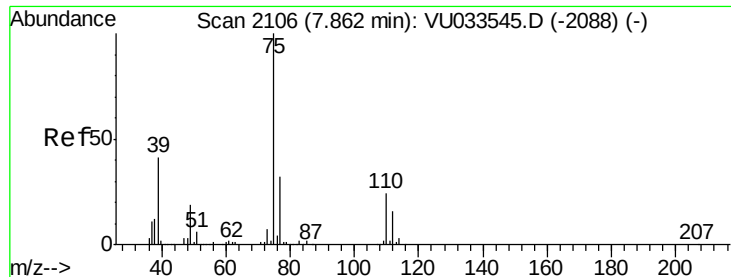
Tgt Ion: 75 Resp: 3858
 Ion Ratio Lower Upper
 75 100
 77 46.6 22.3 41.5#



#40
 4-Methyl-2-pentanone
 Concen: 0.493 ug/L
 RT: 7.54 min Scan# 2006
 Delta R.T. 0.10 min
 Lab File: VU033552.D
 Acq: 01 Aug 2019 16:21

Tgt Ion: 43 Resp: 1548
 Ion Ratio Lower Upper
 43 100
 58 215.4 32.8 49.2#
 100 15670.0 12.9 19.3#





#44

trans-1,3-Dichloropropene

Concen: 0.860 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033552.D

Acq: 01 Aug 2019 16:21

Instrument :

MSVOA_U

ClientSampleId :

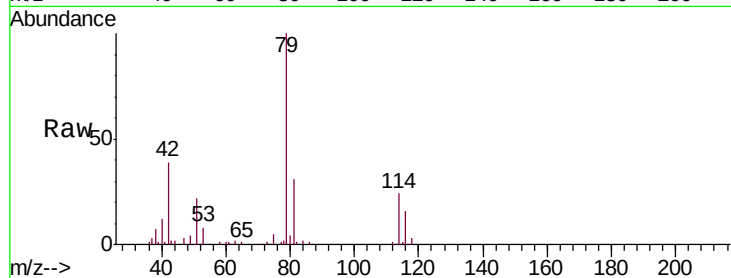
JLLG7

Tgt Ion: 75 Resp: 2759

Ion Ratio Lower Upper

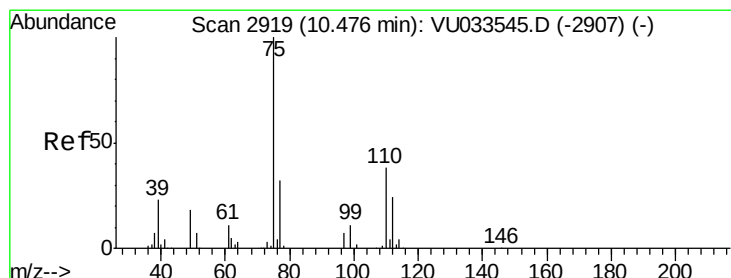
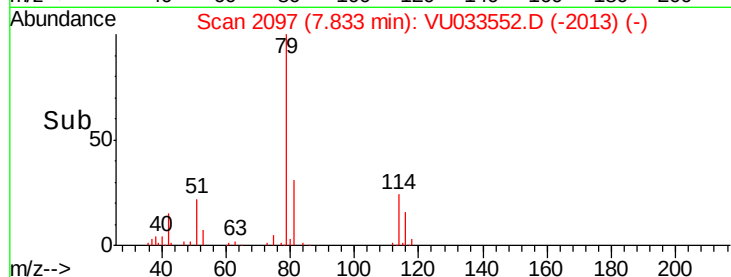
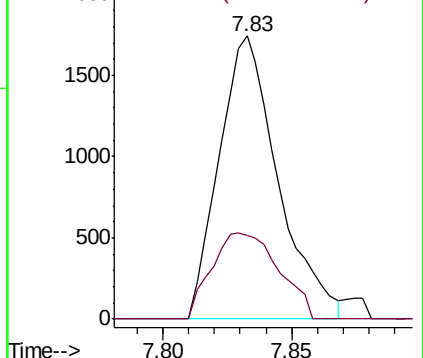
75 100

77 29.8 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.002 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033552.D

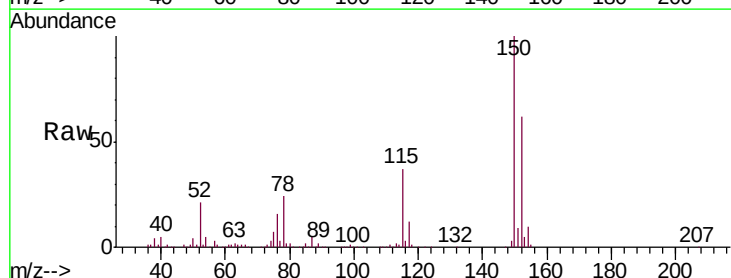
Acq: 01 Aug 2019 16:21

Tgt Ion: 75 Resp: 15014

Ion Ratio Lower Upper

75 100

77 37.6 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

