

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\
 Data File : VU039072.D
 Acq On : 24 Jun 2020 18:45
 Operator : SY/MD
 Sample : L3109-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9F34

Quant Time: Jun 25 01:05:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 25 01:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	245883	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	257369	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	105231	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	101153	5.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.40%
7) Chloroethane-d5	1.93	69	90371	6.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.40%
11) 1,1-Dichloroethene-d2	2.59	63	148995	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.20%
20) 2-Butanone-d5	4.67	46	405964	62.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.94%
24) Chloroform-d	5.10	84	207298	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.20%
26) 1,2-Dichloroethane-d4	5.74	65	127782	5.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.40%
32) Benzene-d6	5.76	84	401670	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.60%
36) 1,2-Dichloropropane-d6	6.72	67	136438	5.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.80%
41) Toluene-d8	7.92	98	314478	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	8.20	79	54663	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	8.65	63	332248	61.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.52%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	118215	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	119028	6.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.40%#

Target Compounds

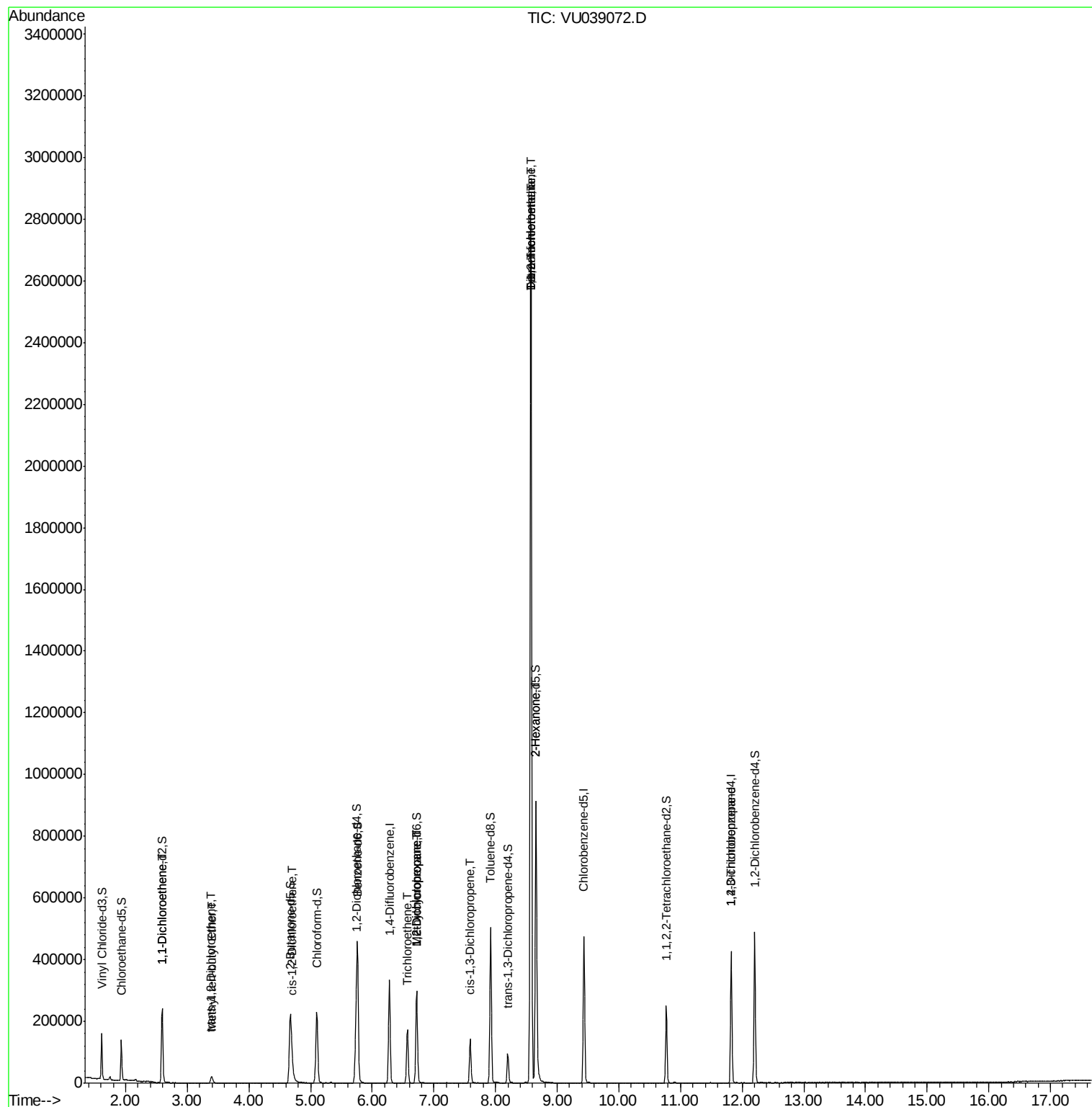
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	1056	0.062	ug/L #	1
17) Methyl tert-butyl Ether	3.40	73	17077	0.352	ug/L	95
18) trans-1,2-Dichloroethene	3.38	96	2277	0.125	ug/L #	61
22) cis-1,2-Dichloroethene	4.70	96	4516	0.230	ug/L	79
34) Trichloroethene	6.57	95	57252	2.927	ug/L	97
35) Methylcyclohexane	6.72	83	30387	1.047	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	14730	0.672	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3967	0.131	ug/L #	79
45) 1,1,2-Trichloroethane	8.57	97	5943	0.365	ug/L #	1
47) Tetrachloroethene	8.57	164	588380	41.737	ug/L	97
48) 2-Hexanone	8.65	43	43023	3.589	ug/L #	66
49) Dibromochloromethane	8.57	129	573571	32.395	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	14604	0.884	ug/L	93

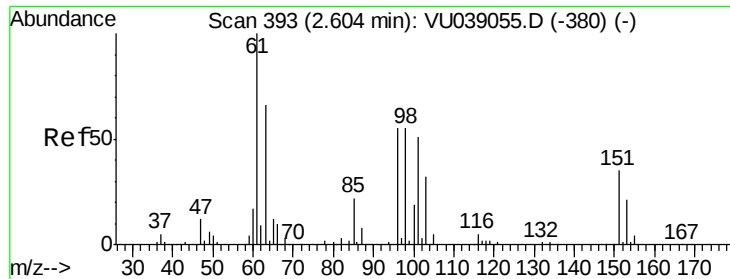
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.062 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU039072.D

Acq: 24 Jun 2020 18:45

Instrument :

MSVOA_U

ClientSampleId :

F9F34

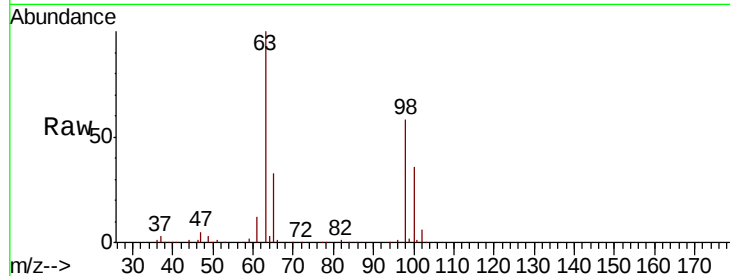
Tot Ion: 96 Resp: 1056

Ion Ratio Lower Upper

96 100

61 1146.3 125.1 232.3#

63 9584.4 82.3 152.8#

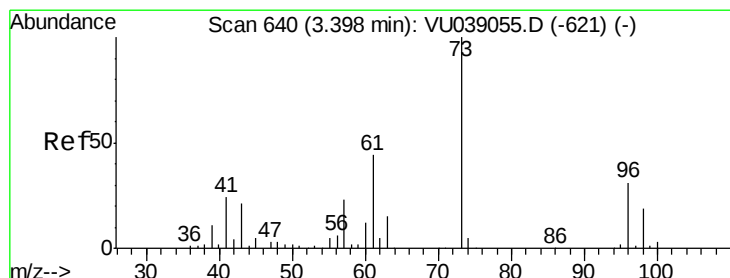
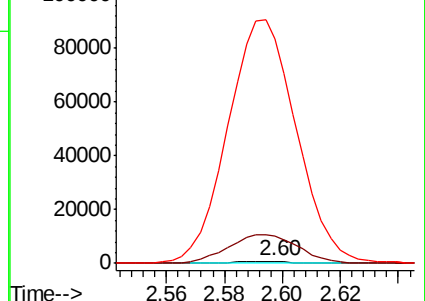
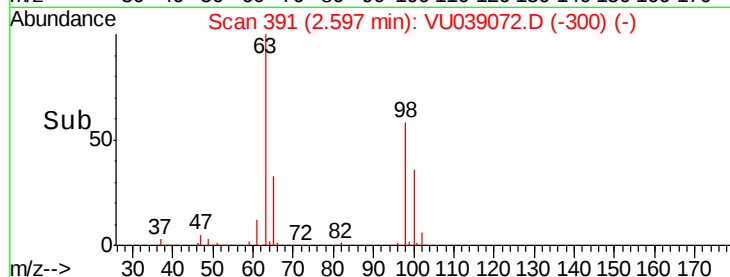


Abundance Ion 96.00 (95.70 to 96.70): VU039072.D (-300) (-)

Ion 61.05 (60.75 to 61.75): VU039072.D (-300) (-)

Ion 63.00 (62.70 to 63.70): VU039072.D (-300) (-)

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.352 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU039072.D

Acq: 24 Jun 2020 18:45

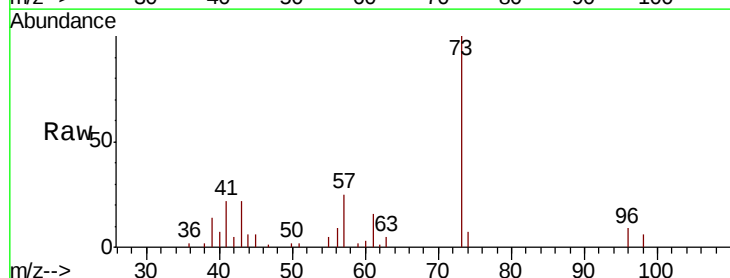
Tgt Ion: 73 Resp: 17077

Ion Ratio Lower Upper

73 100

43 22.2 16.6 24.8

57 25.9 18.2 27.4

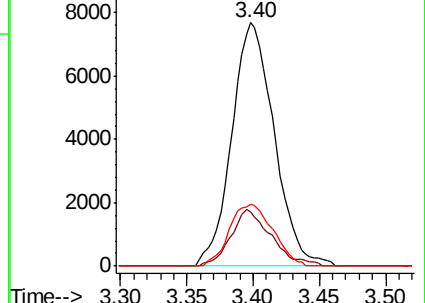
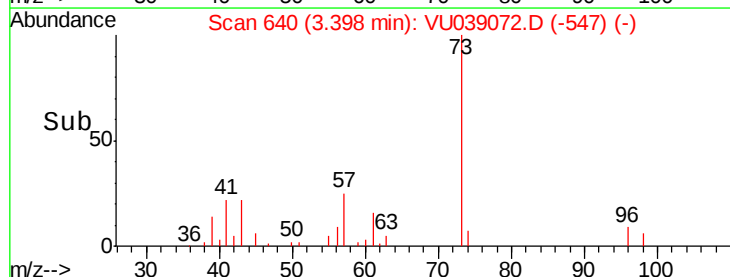


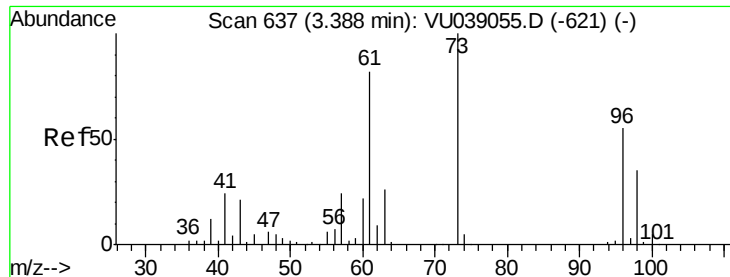
Abundance Ion 73.10 (72.80 to 73.80): VU039072.D (-547) (-)

Ion 43.05 (42.75 to 43.75): VU039072.D (-547) (-)

Ion 57.10 (56.80 to 57.80): VU039072.D (-547) (-)

Time-->





#18

trans-1,2-Dichloroethene

Concen: 0.125 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.01 min

Lab File: VU039072.D

Acq: 24 Jun 2020 18:45

Instrument :

MSVOA_U

ClientSampleId :

F9F34

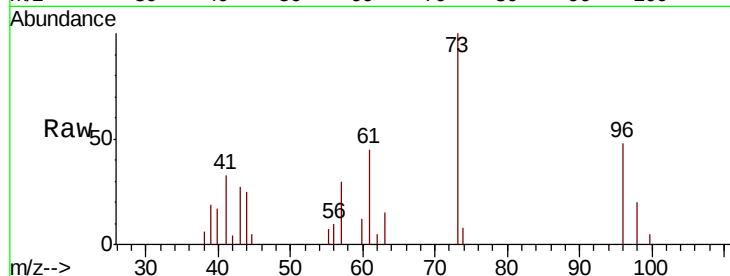
Tot Ion: 96 Resp: 2277

Ion Ratio Lower Upper

96 100

61 92.8 103.5 192.3#

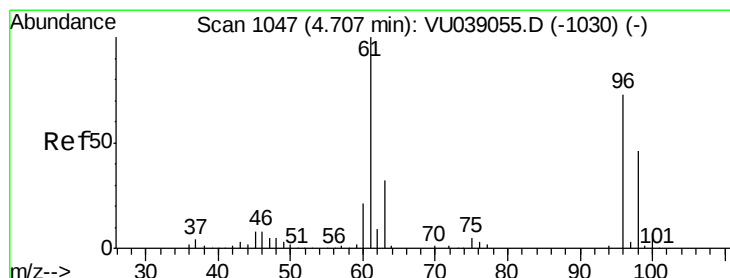
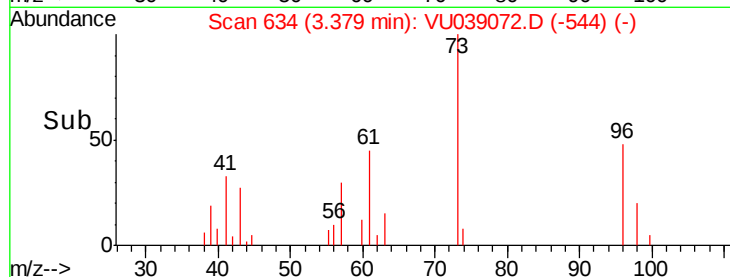
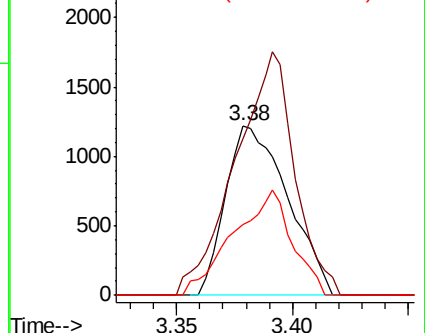
98 41.8 44.9 83.5#



Abundance Ion 96.00 (95.70 to 96.70): VU039072.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU039072.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU039072.D (-544) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.230 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU039072.D

Acq: 24 Jun 2020 18:45

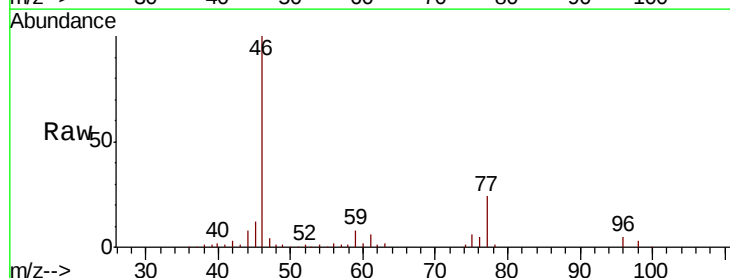
Tgt Ion: 96 Resp: 4516

Ion Ratio Lower Upper

96 100

61 117.8 100.8 187.2

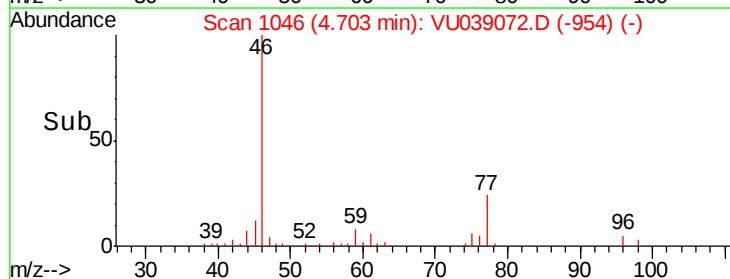
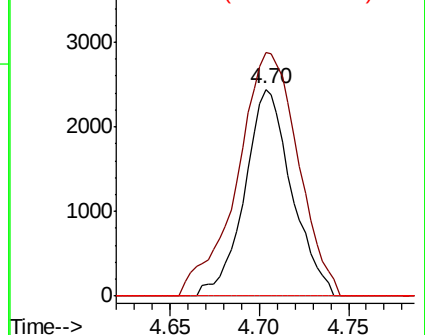
68 0.0 0.0 0.0

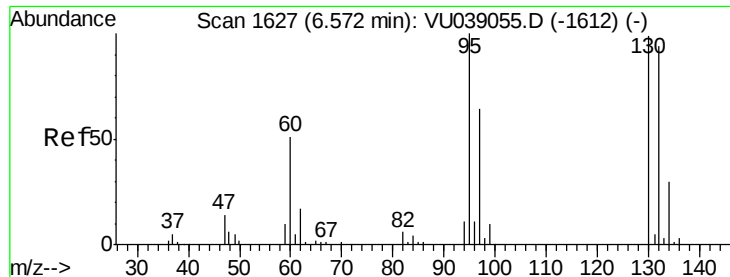


Abundance Ion 96.00 (95.70 to 96.70): VU039072.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039072.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039072.D (-954) (-)





#34

Trichloroethene

Concen: 2.927 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VU039072.D

Acq: 24 Jun 2020 18:45

Instrument :

MSVOA_U

ClientSampleId :

F9F34

Tot Ion: 95 Resp: 57252

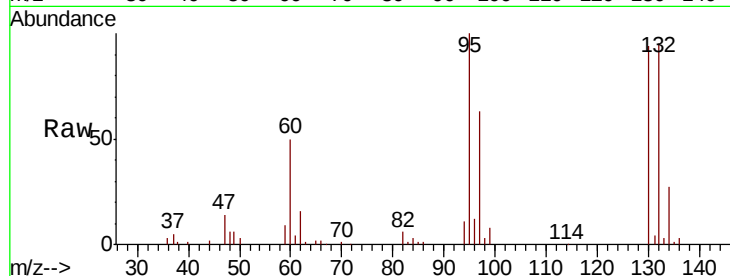
Ion Ratio Lower Upper

95 100

97 63.5 45.1 83.7

132 94.7 65.1 120.9

130 93.7 68.6 127.4

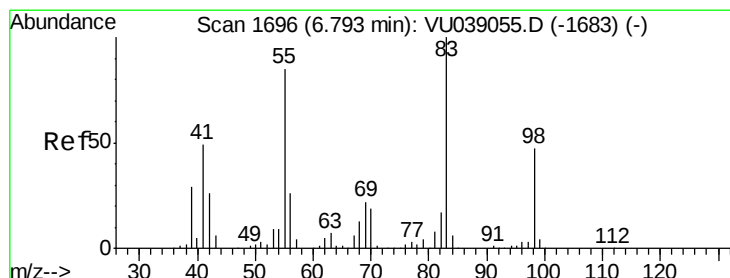
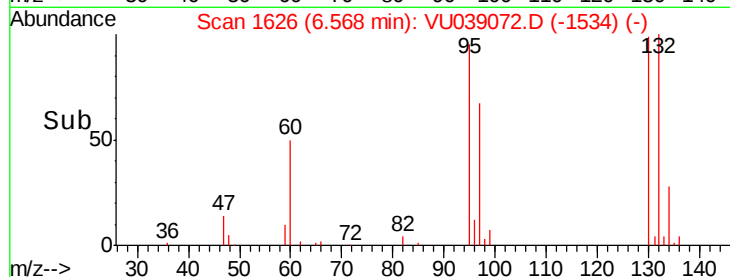
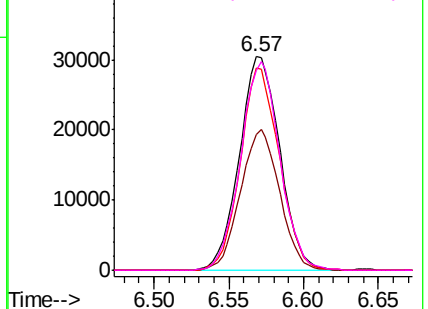


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.047 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU039072.D

Acq: 24 Jun 2020 18:45

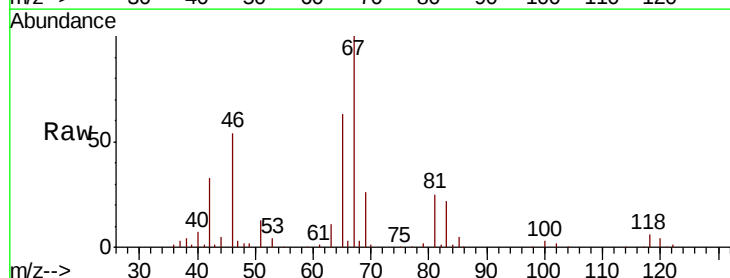
Tgt Ion: 83 Resp: 30387

Ion Ratio Lower Upper

83 100

55 0.4 65.5 98.3#

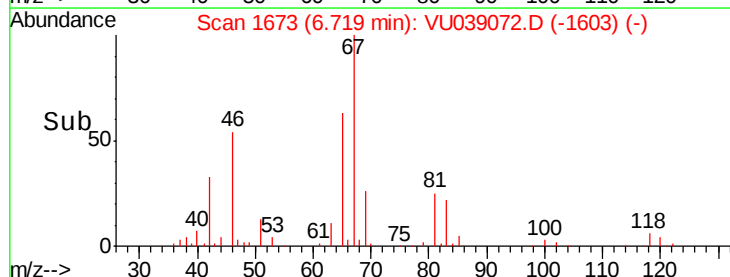
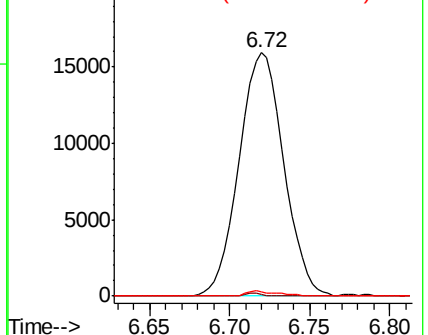
98 1.4 36.5 54.7#

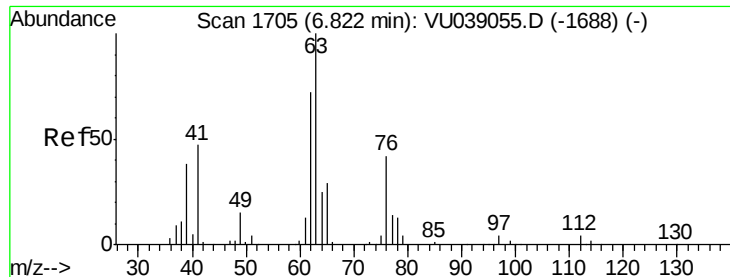


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

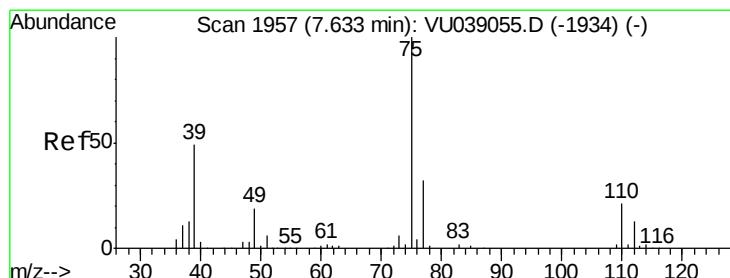
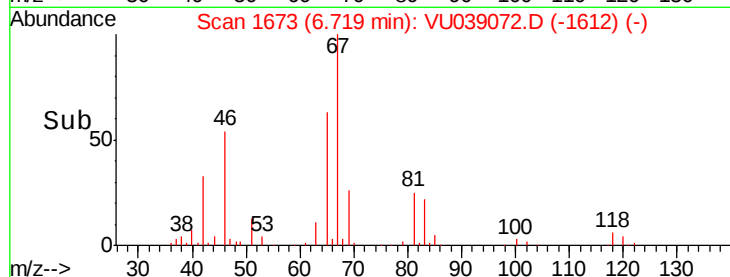
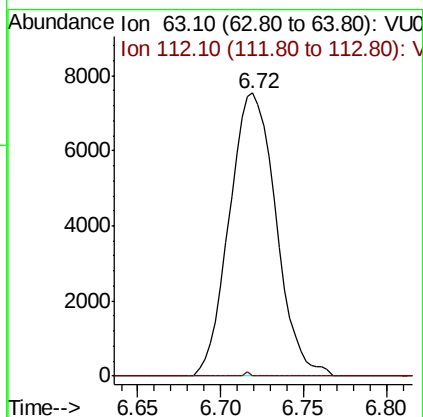
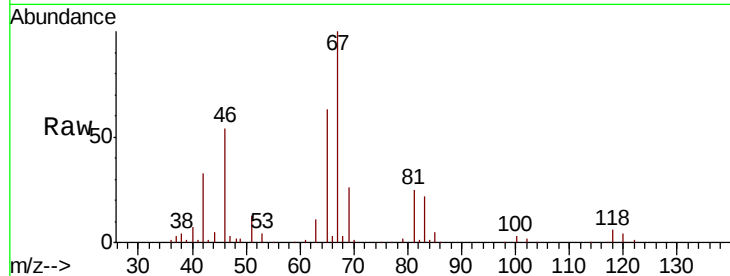




#37
 1,2-Dichloropropane
 Concen: 0.672 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU039072.D
 Acq: 24 Jun 2020 18:45

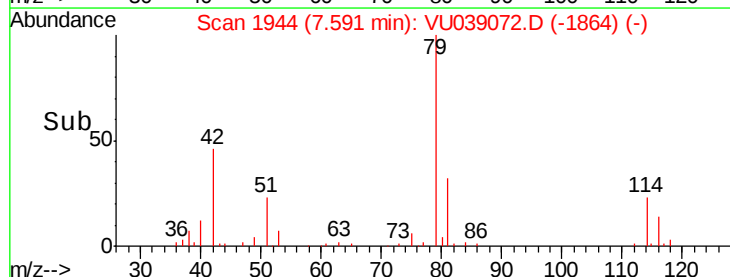
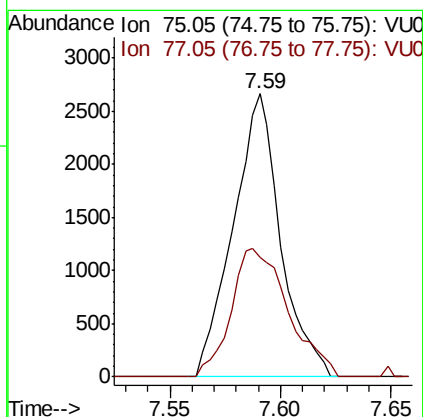
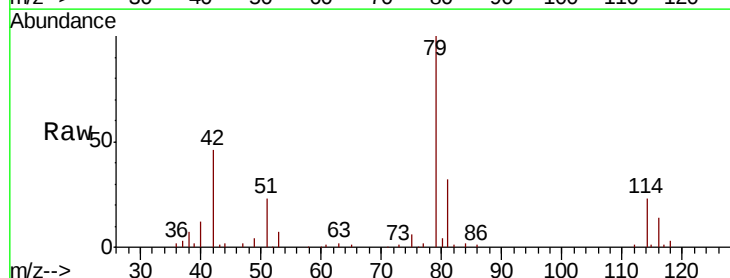
Instrument :
 MSVOA_U
 ClientSampled :
 F9F34

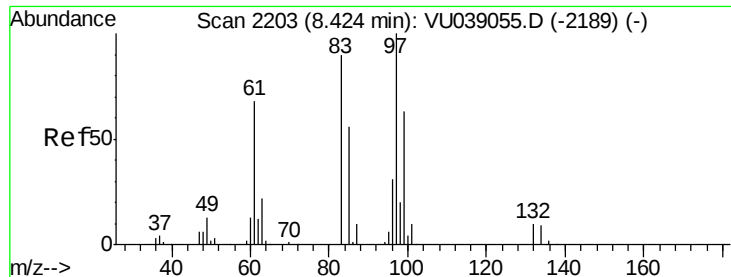
Tot Ion: 63 Resp: 14730
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.131 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU039072.D
 Acq: 24 Jun 2020 18:45

Tgt Ion: 75 Resp: 3967
 Ion Ratio Lower Upper
 75 100
 77 42.4 21.6 40.0#

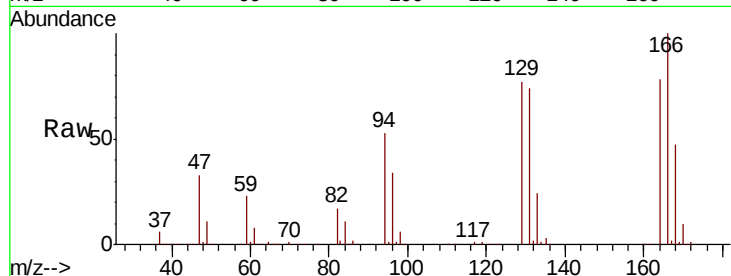




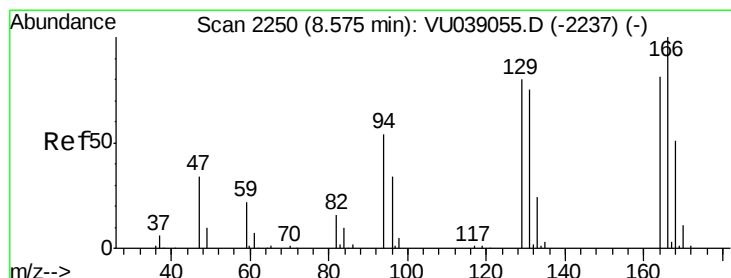
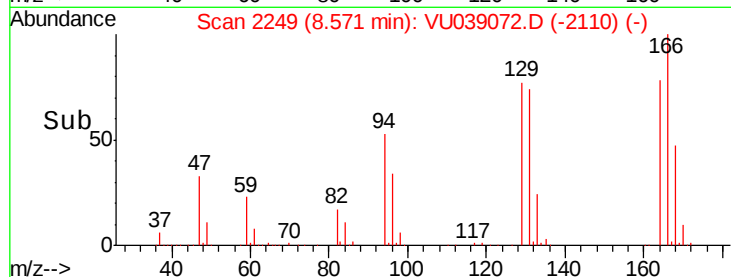
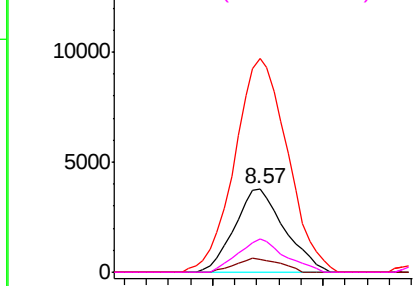
#45
 1,1,2-Trichloroethane
 Concen: 0.365 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.15 min
 Lab File: VU039072.D
 Acq: 24 Jun 2020 18:45

Instrument :
 MSVOA_U
 ClientSampled :
 F9F34

Tot Ion: 97 Resp: 5943
 Ion Ratio Lower Upper
 97 100
 99 15.6 45.4 84.4#
 83 256.1 64.4 119.6#
 85 39.3 41.7 77.5#

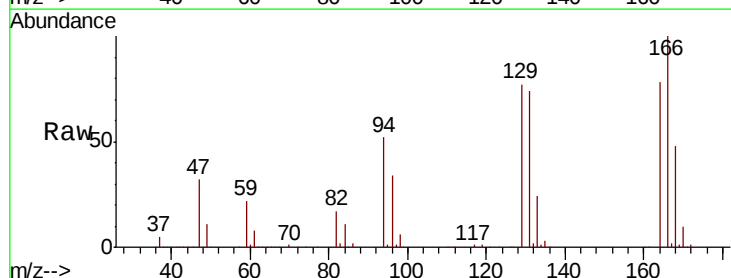


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

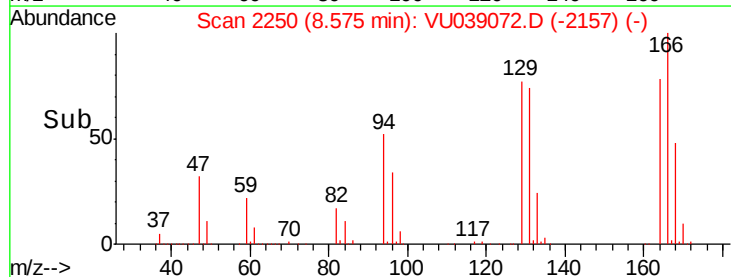
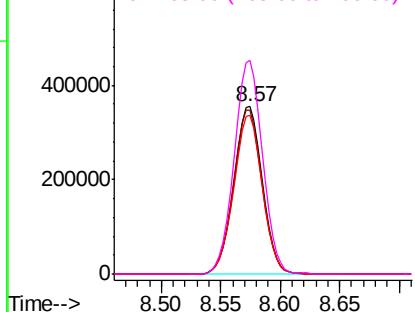


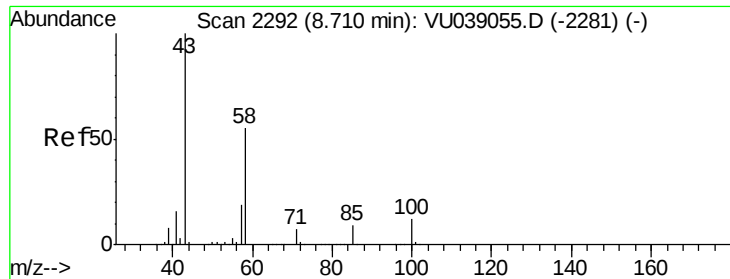
#47
 Tetrachloroethene
 Concen: 41.737 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU039072.D
 Acq: 24 Jun 2020 18:45

Tgt Ion:164 Resp: 588380
 Ion Ratio Lower Upper
 164 100
 129 97.8 71.3 132.5
 131 94.7 68.3 126.8
 166 127.8 90.8 168.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

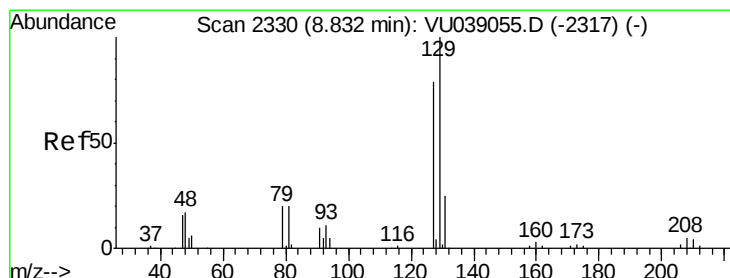
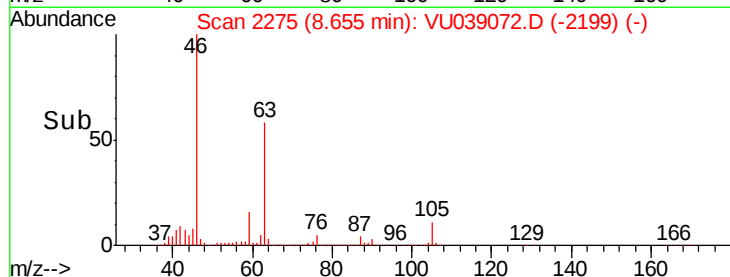
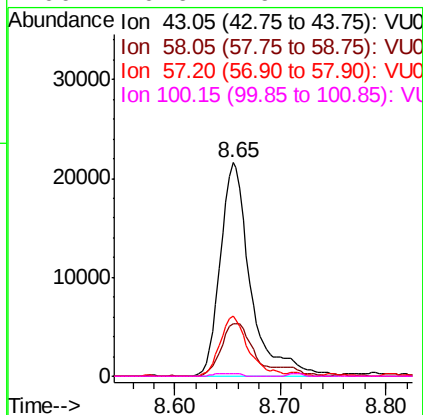
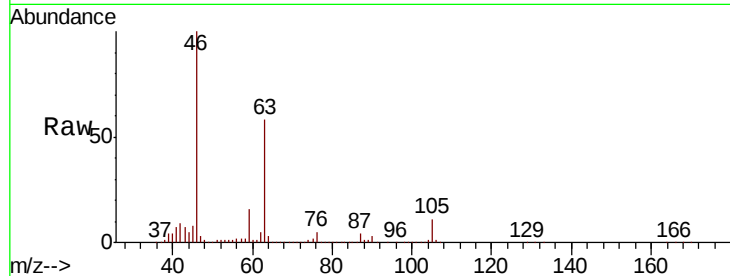




#48
2-Hexanone
Concen: 3.589 ug/L
RT: 8.65 min Scan# 2275
Delta R.T. -0.05 min
Lab File: VU039072.D
Acq: 24 Jun 2020 18:45

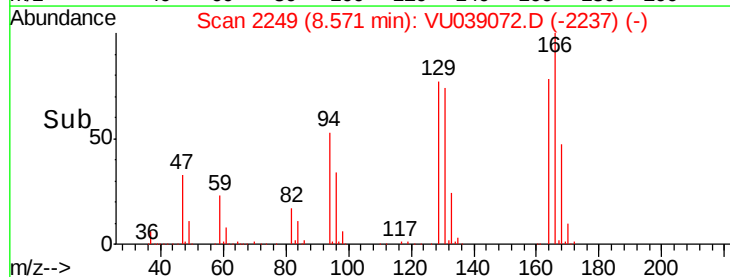
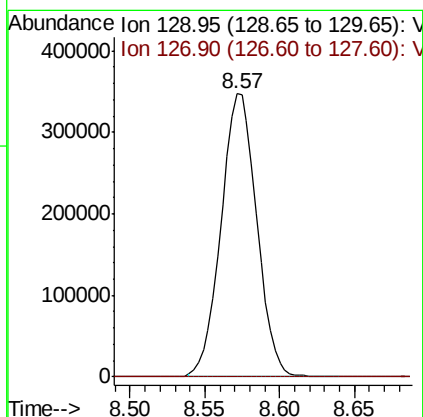
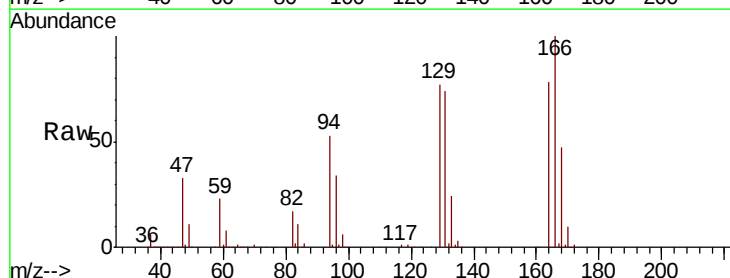
Instrument :
MSVOA_U
ClientSampled :
F9F34

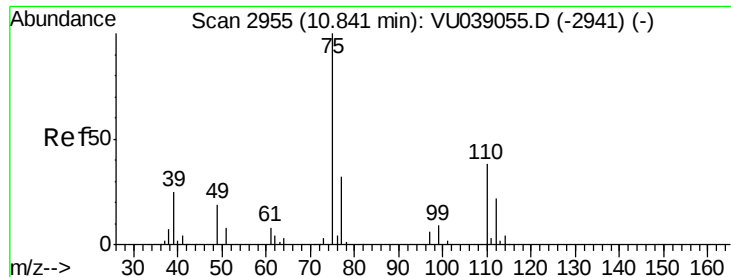
Tot Ion: 43 Resp: 43023
Ion Ratio Lower Upper
43 100
58 25.5 44.0 66.0#
57 26.2 15.0 22.6#
100 0.6 9.4 14.2#



#49
Dibromochloromethane
Concen: 32.395 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.26 min
Lab File: VU039072.D
Acq: 24 Jun 2020 18:45

Tgt Ion: 129 Resp: 573571
Ion Ratio Lower Upper
129 100
127 0.0 55.4 103.0#





#59

1,2,3-Trichloropropane

Concen: 0.884 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU039072.D

Acq: 24 Jun 2020 18:45

Instrument :

MSVOA_U

ClientSampleId :

F9F34

Tot Ion: 75 Resp: 14604

Ion Ratio Lower Upper

75 100

77 36.5 26.2 39.2

