

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070720\
 Data File : VU039326.D
 Acq On : 07 Jul 2020 19:56
 Operator : SY/MD
 Sample : L3193-09RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4299

Quant Time: Jul 08 01:47:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 08 01:44:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	103403	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	95744	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	47035	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37666	6.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.80%
7) Chloroethane-d5	1.93	69	35325	5.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.20%
11) 1,1-Dichloroethene-d2	2.58	63	55193	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	4.66	46	166671	60.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.56%
24) Chloroform-d	5.08	84	76928	6.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.60%
26) 1,2-Dichloroethane-d4	5.72	65	48745	6.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.80%
32) Benzene-d6	5.75	84	154042	6.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	133.60%#
36) 1,2-Dichloropropane-d6	6.71	67	51489	6.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	127.20%
41) Toluene-d8	7.91	98	135113	6.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	135.20%#
43) trans-1,3-Dichloropropene-	8.19	79	21525	6.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	120.40%
46) 2-Hexanone-d5	8.64	63	129845	61.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.42%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	46491	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	53488	6.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.40%#

Target Compounds

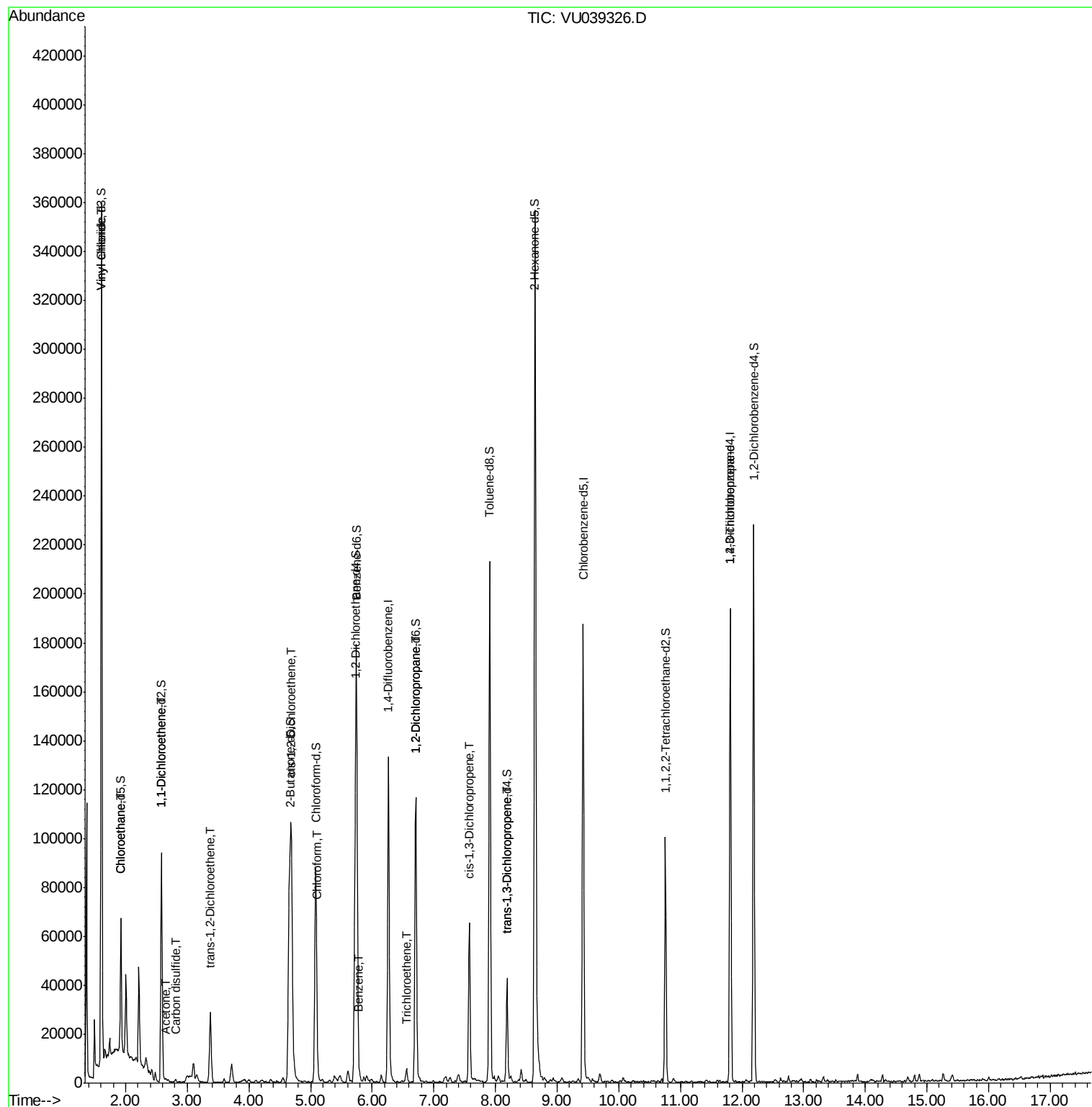
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	126092	14.955	ug/L	98
8) Chloroethane	1.91	64	841	0.138	ug/L #	49
12) 1,1-Dichloroethene	2.58	96	575	0.094	ug/L #	1
13) Acetone	2.66	43	1284	0.867	ug/L	84
14) Carbon disulfide	2.81	76	1544	0.071	ug/L #	88
18) trans-1,2-Dichloroethene	3.37	96	8272	1.215	ug/L	92
22) cis-1,2-Dichloroethene	4.69	96	32777	4.294	ug/L	95
25) Chloroform	5.11	83	2345	0.174	ug/L	99
33) Benzene	5.79	78	2513	0.088	ug/L	100
34) Trichloroethene	6.56	95	1563	0.211	ug/L	92
37) 1,2-Dichloropropane	6.71	63	5717	0.733	ug/L #	91
39) cis-1,3-Dichloropropene	7.58	75	1856	0.157	ug/L #	64
44) trans-1,3-Dichloropropene	8.18	75	1310	0.125	ug/L	85
59) 1,2,3-Trichloropropane	11.81	75	6961	1.210	ug/L	95

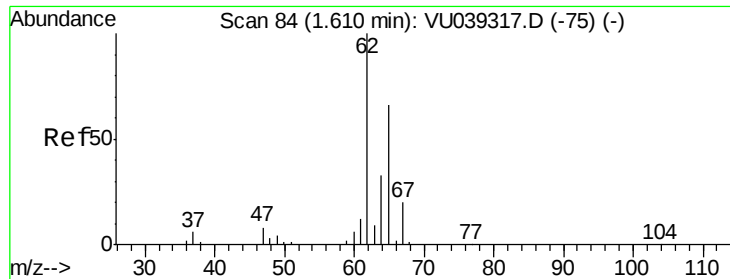
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 08 01:44:57 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 14.955 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039326.D

Acq: 07 Jul 2020 19:56

Instrument :

MSVOA_U

ClientSampleId :

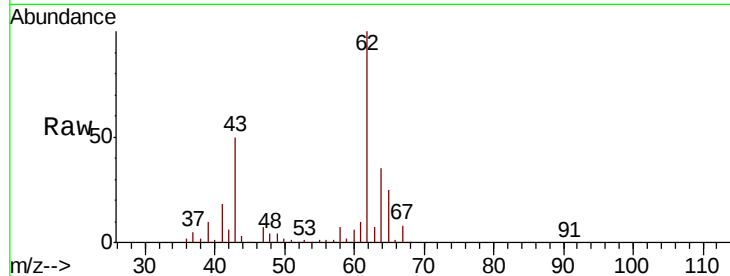
H4299

Tot Ion: 62 Resp: 126092

Ion Ratio Lower Upper

62 100

64 35.3 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039317.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039326.D (-95) (-)

1.61

120000

100000

80000

60000

40000

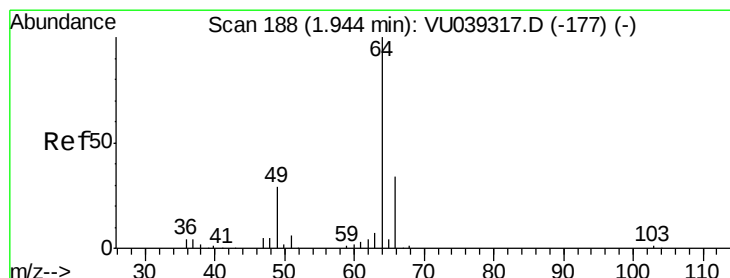
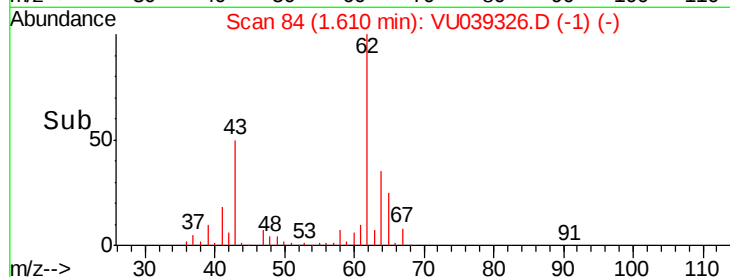
20000

0

1.60

1.70

Time-->



#8

Chloroethane

Concen: 0.138 ug/L

RT: 1.91 min Scan# 178

Delta R.T. -0.03 min

Lab File: VU039326.D

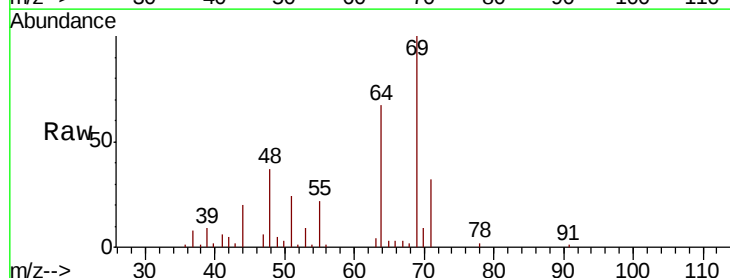
Acq: 07 Jul 2020 19:56

Tgt Ion: 64 Resp: 841

Ion Ratio Lower Upper

64 100

66 4.7 23.5 43.7#



Abundance Ion 64.10 (63.80 to 64.80): VU039317.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039326.D (-95) (-)

1.91

6000

4000

2000

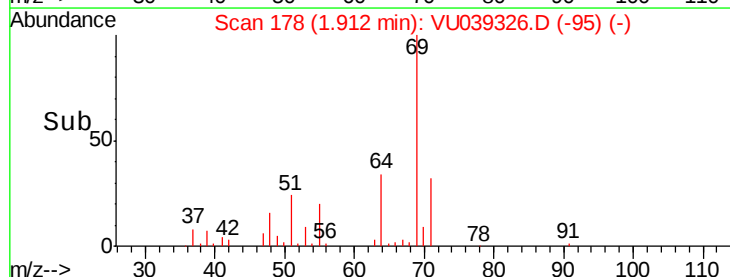
0

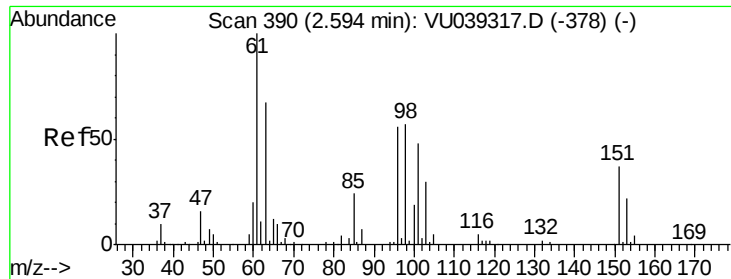
1.90

1.92

1.94

Time-->





#12

1,1-Dichloroethene

Concen: 0.094 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU039326.D

Acq: 07 Jul 2020 19:56

Instrument :

MSVOA_U

ClientSampleId :

H4299

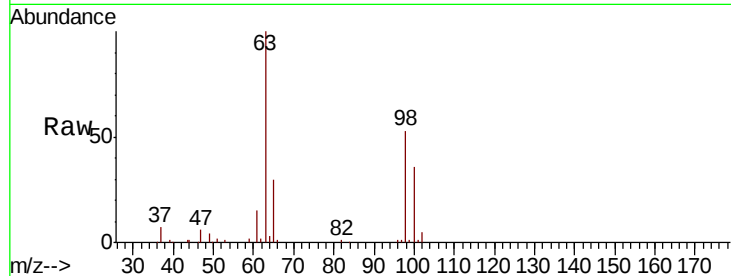
Tot Ion: 96 Resp: 575

Ion Ratio Lower Upper

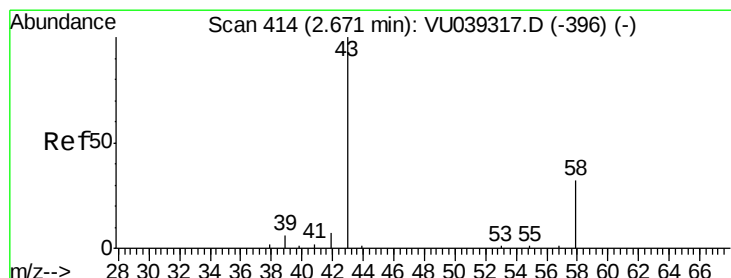
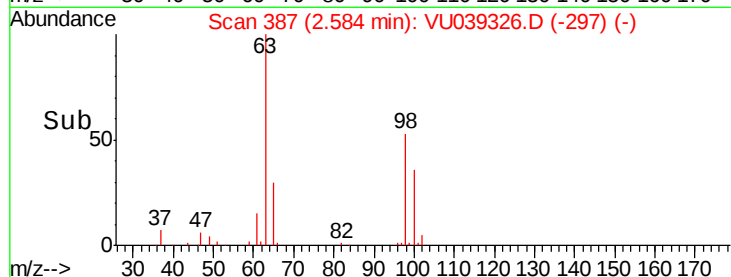
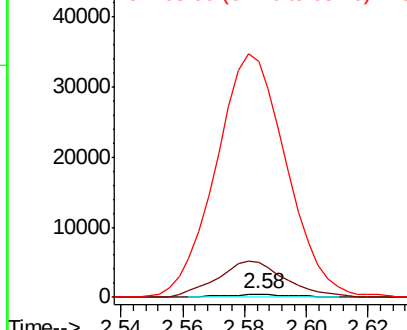
96 100

61 1196.2 125.4 232.8#

63 8019.0 92.7 172.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 0.867 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU039326.D

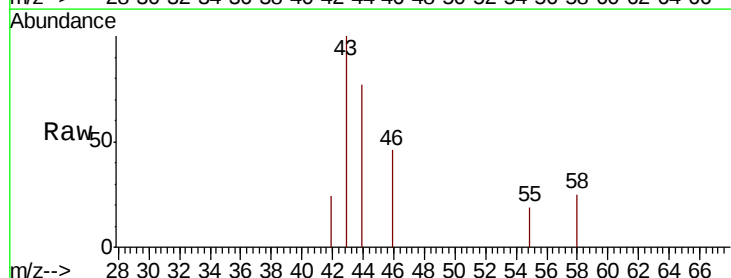
Acq: 07 Jul 2020 19:56

Tgt Ion: 43 Resp: 1284

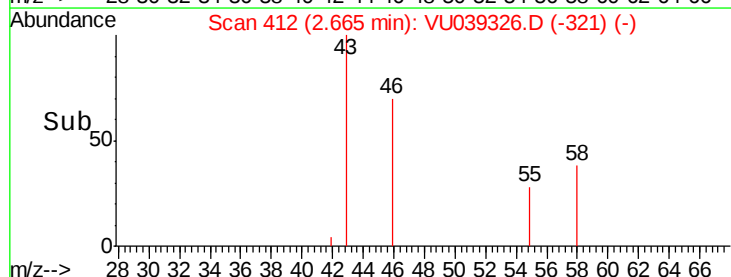
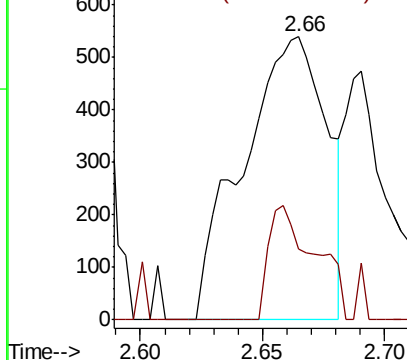
Ion Ratio Lower Upper

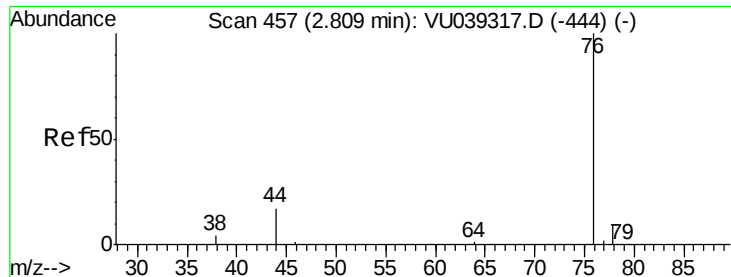
43 100

58 22.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 0.071 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039326.D

Acq: 07 Jul 2020 19:56

Instrument :

MSVOA_U

ClientSampleId :

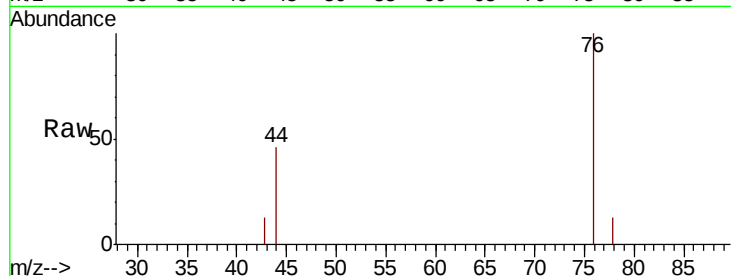
H4299

Tot Ion: 76 Resp: 1544

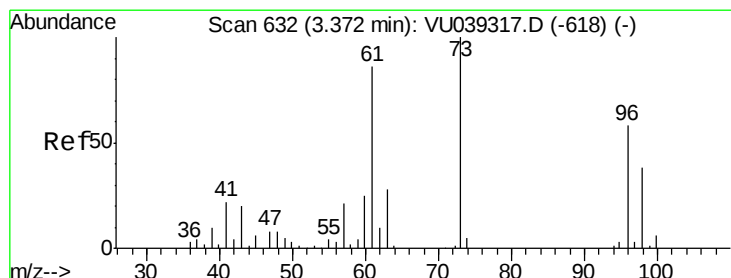
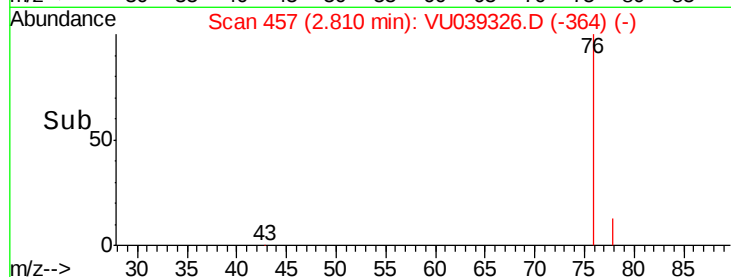
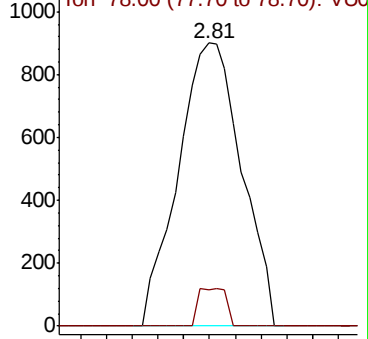
Ion Ratio Lower Upper

76 100

78 12.9 7.0 10.4#



Abundance Ion 76.05 (75.75 to 76.75): VU039317.D (-444) (-)



#18

trans-1,2-Dichloroethene

Concen: 1.215 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039326.D

Acq: 07 Jul 2020 19:56

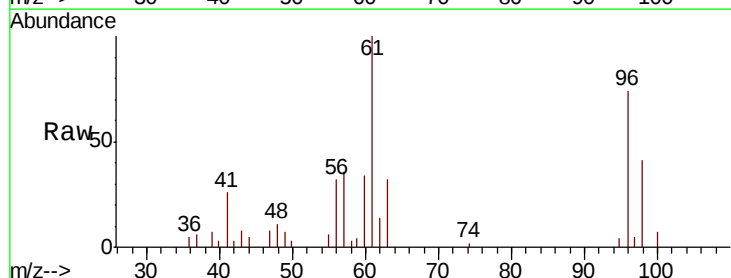
Tgt Ion: 96 Resp: 8272

Ion Ratio Lower Upper

96 100

61 135.8 102.1 189.5

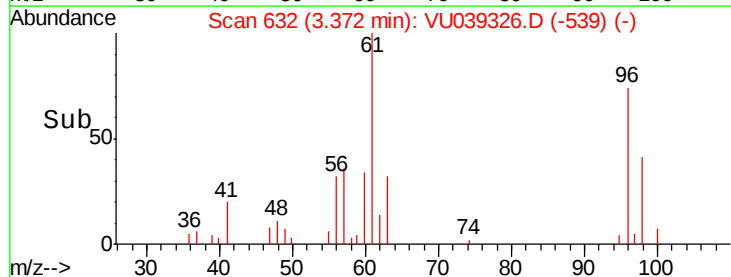
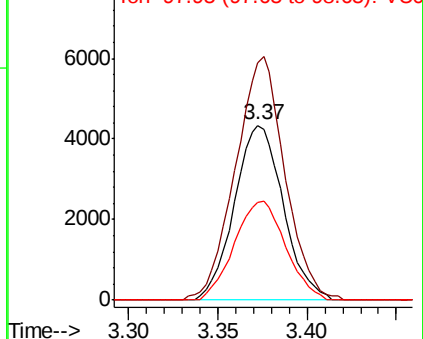
98 55.8 42.5 78.9

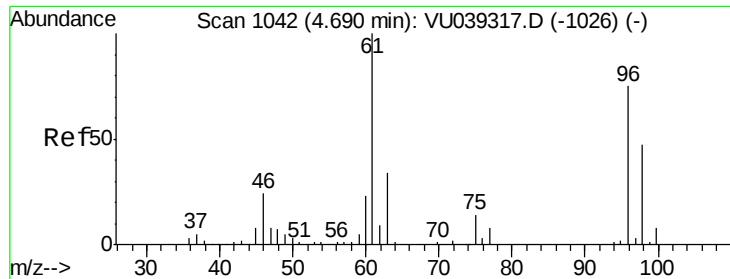


Abundance Ion 96.00 (95.70 to 96.70): VU039317.D (-618) (-)

Ion 61.05 (60.75 to 61.75): VU039317.D (-618) (-)

Ion 97.95 (97.65 to 98.65): VU039317.D (-618) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.294 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039326.D

Acq: 07 Jul 2020 19:56

Instrument :

MSVOA_U

ClientSampleId :

H4299

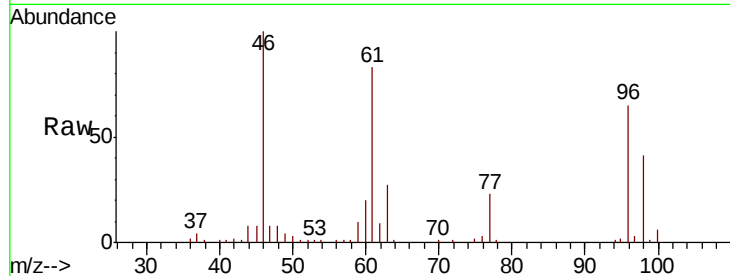
Tot Ion: 96 Resp: 32777

Ion Ratio Lower Upper

96 100

61 126.5 92.8 172.4

68 0.0 0.0 0.0

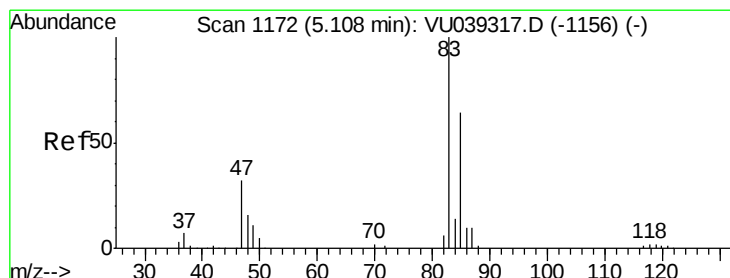
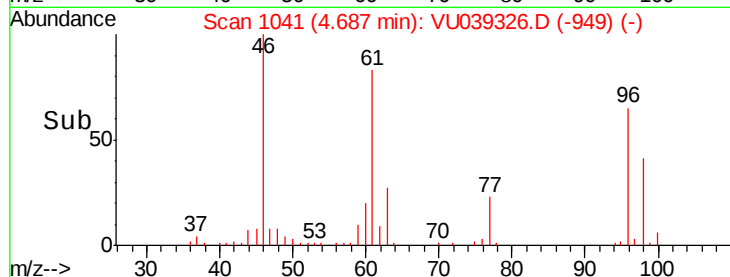


Abundance Ion 96.00 (95.70 to 96.70): VU039317.D (-1026) (-)

Ion 61.05 (60.75 to 61.75): VU039317.D (-1026) (-)

Ion 68.15 (67.85 to 68.85): VU039317.D (-1026) (-)

Time-->



#25

Chloroform

Concen: 0.174 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039326.D

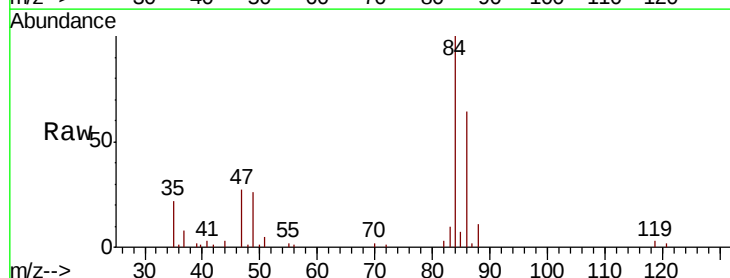
Acq: 07 Jul 2020 19:56

Tgt Ion: 83 Resp: 2345

Ion Ratio Lower Upper

83 100

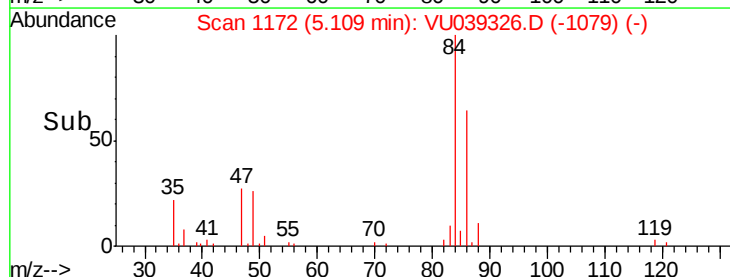
85 65.0 44.9 83.5

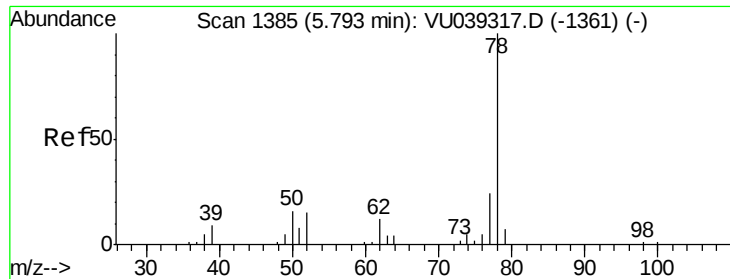


Abundance Ion 83.05 (82.75 to 83.75): VU039317.D (-1156) (-)

Ion 85.00 (84.70 to 85.70): VU039317.D (-1156) (-)

Time-->





#33

Benzene

Concen: 0.088 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU039326.D

Acq: 07 Jul 2020 19:56

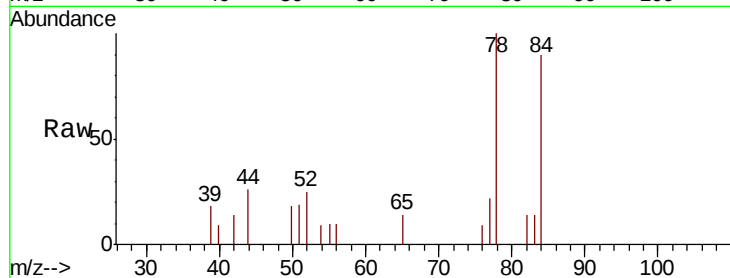
Instrument :

MSVOA_U

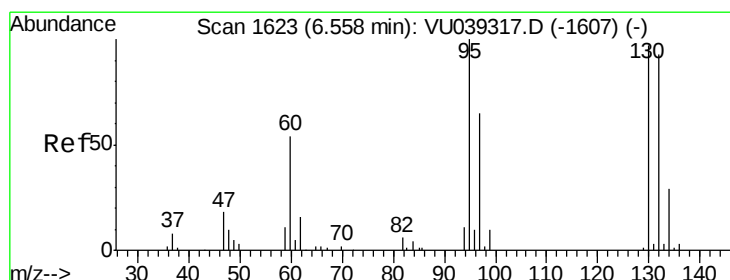
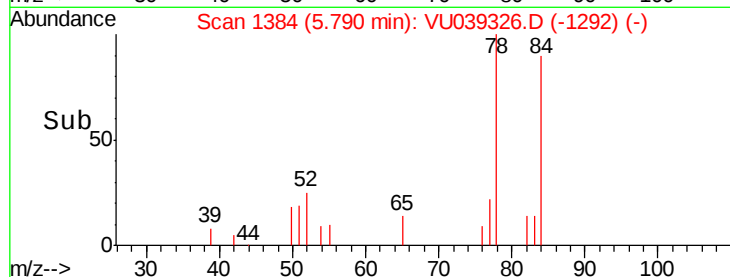
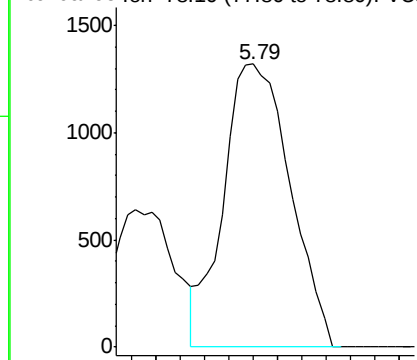
ClientSampleId :

H4299

Tgt Ion: 78 Resp: 2513



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.211 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039326.D

Acq: 07 Jul 2020 19:56

Tgt Ion: 95 Resp: 1563

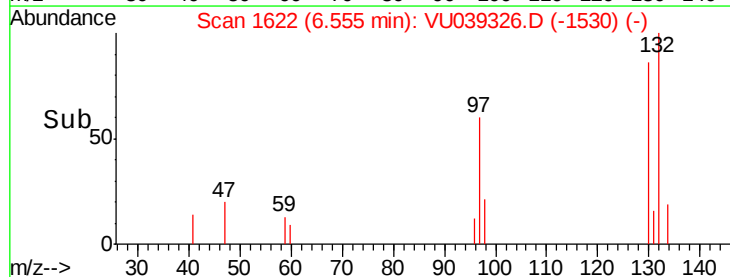
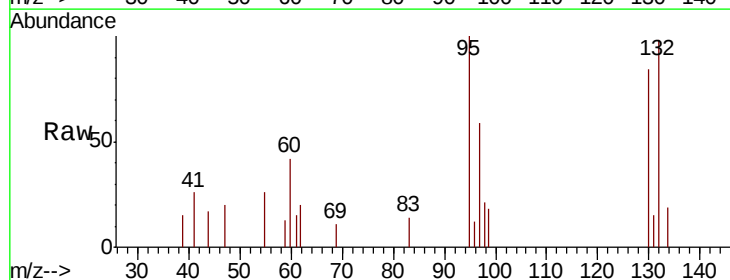
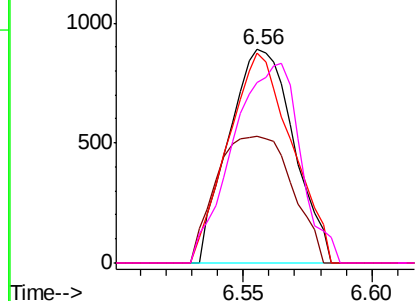
Ion	Ratio	Lower	Upper
95	100		
97	59.1	46.3	85.9
132	98.4	64.0	118.8
130	84.3	64.3	119.5

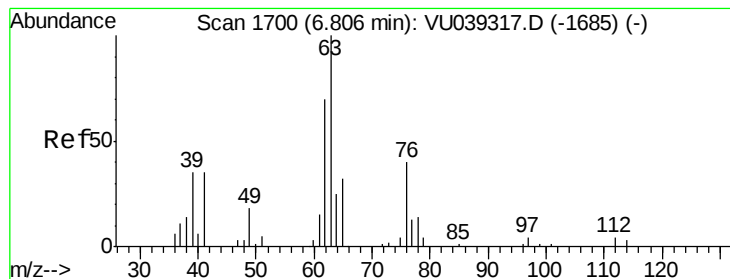
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#37

1,2-Dichloropropane

Concen: 0.733 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.10 min

Lab File: VU039326.D

Acq: 07 Jul 2020 19:56

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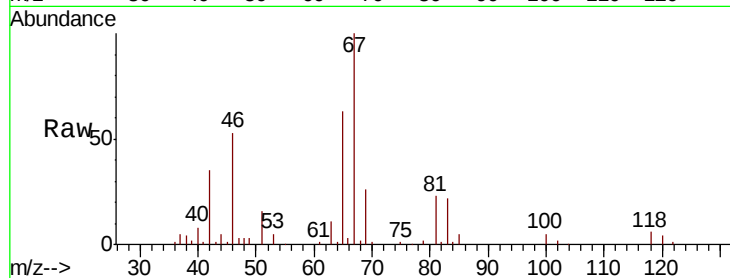
H4299

Tot Ion: 63 Resp: 5717

Ion Ratio Lower Upper

63 100

112 0.0 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VU039317.D (-1685) (-)

Ion 112.10 (111.80 to 112.80): VU039317.D (-1685) (-)

6.71

3000

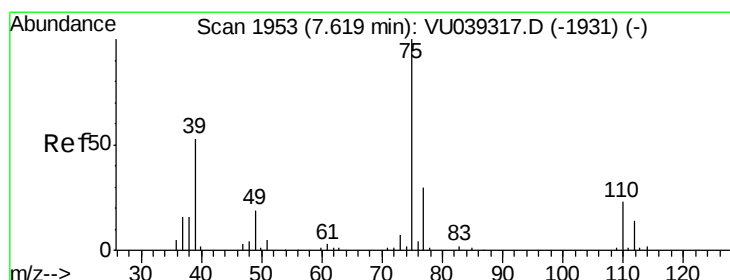
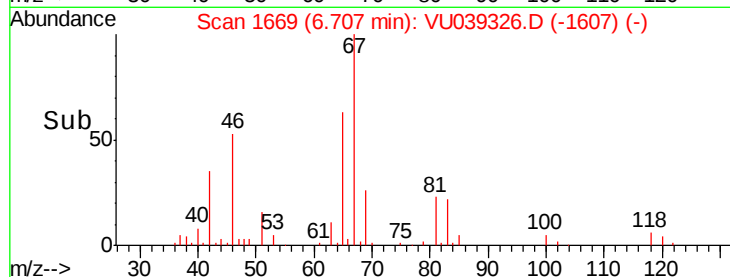
2000

1000

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.157 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039326.D

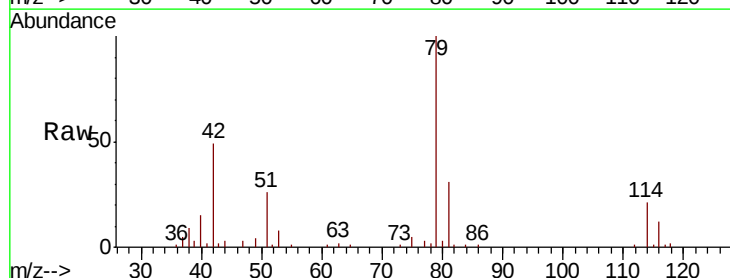
Acq: 07 Jul 2020 19:56

Tgt Ion: 75 Resp: 1856

Ion Ratio Lower Upper

75 100

77 51.8 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU039317.D (-1931) (-)

Ion 77.05 (76.75 to 77.75): VU039317.D (-1931) (-)

7.58

1200

1000

800

600

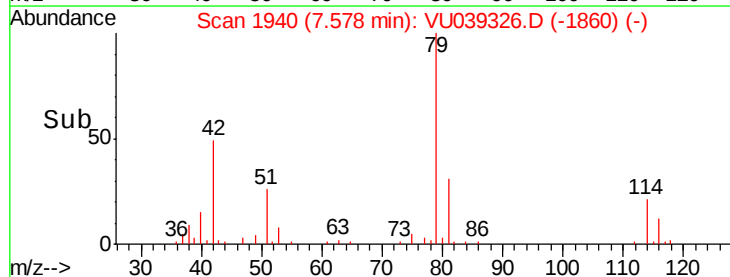
400

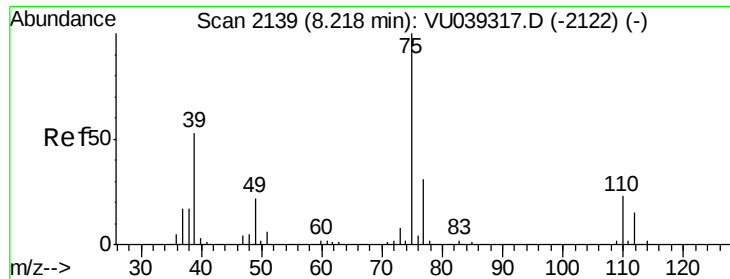
200

0

7.55 7.60

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.125 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.04 min

Lab File: VU039326.D

Acq: 07 Jul 2020 19:56

Instrument :

MSVOA_U

ClientSampled :

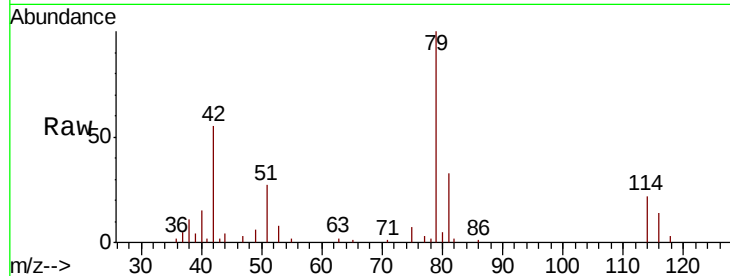
H4299

Tot Ion: 75 Resp: 1310

Ion Ratio Lower Upper

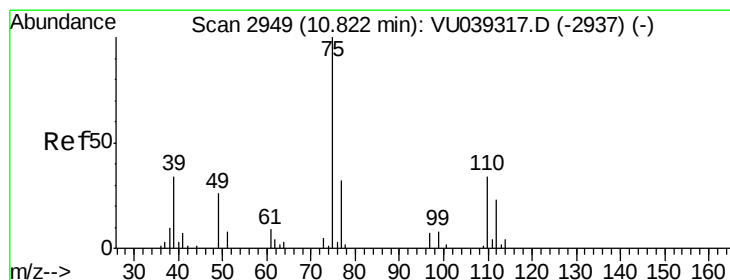
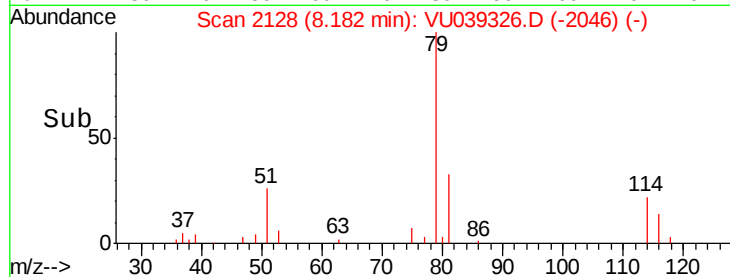
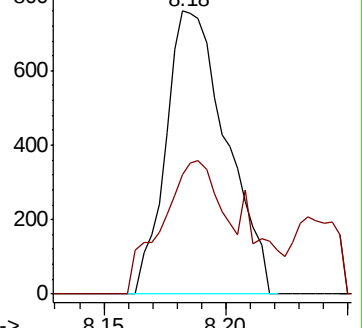
75 100

77 42.2 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 1.210 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039326.D

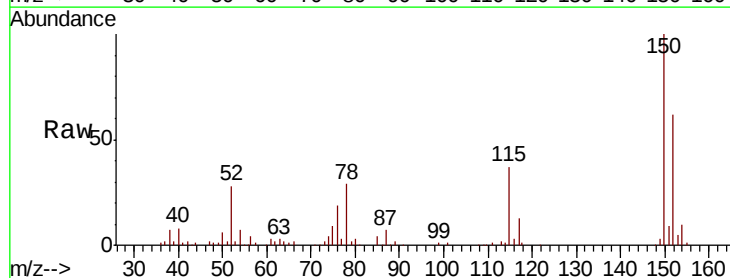
Acq: 07 Jul 2020 19:56

Tgt Ion: 75 Resp: 6961

Ion Ratio Lower Upper

75 100

77 36.6 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

