

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\
 Data File : VU041135.D
 Acq On : 09 Nov 2020 13:07
 Operator : SY/MD
 Sample : L4646-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0F9

Quant Time: Nov 10 01:11:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 01:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	53598	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	56443	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24195	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16249	3.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.20%
7) Chloroethane-d5	1.92	69	14755	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.58	63	25770	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	4.65	46	82209	55.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.88%
24) Chloroform-d	5.08	84	40678	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.72	65	26246	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.74	84	70360	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.70	67	25313	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.90	98	57465	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	8.18	79	9428	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.64	63	57150	49.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24227	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	25424	5.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.80%

Target Compounds

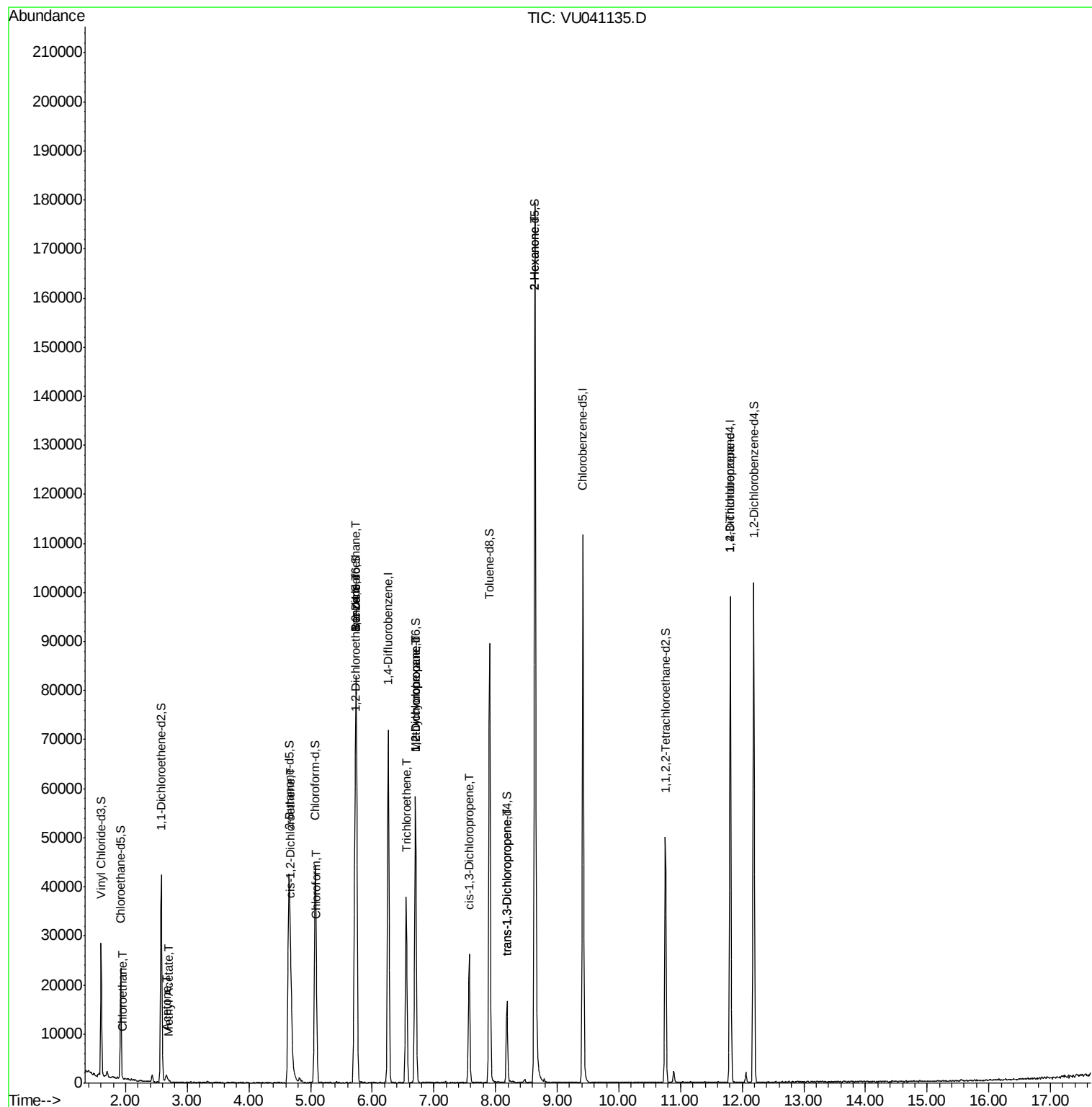
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.95	64	120	0.038	ug/L #	43
13) Acetone	2.66	43	2728	2.691	ug/L	80
15) Methyl Acetate	2.71	43	448	0.193	ug/L #	53
22) cis-1,2-Dichloroethene	4.68	96	3100	0.781	ug/L	96
25) Chloroform	5.11	83	678	0.088	ug/L	92
27) 1,2-Dichloroethane	5.75	62	374	0.065	ug/L #	74
33) Benzene	5.74	78	409	0.024	ug/L	100
34) Trichloroethene	6.55	95	12695	2.958	ug/L	98
35) Methylcyclohexane	6.70	83	6118	0.956	ug/L #	17
37) 1,2-Dichloropropane	6.70	63	2945	0.645	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	682	0.109	ug/L #	68
44) trans-1,3-Dichloropropene	8.18	75	467	0.079	ug/L #	62
48) 2-Hexanone	8.64	43	8407	3.069	ug/L #	72
59) 1,2,3-Trichloropropane	11.81	75	3252	0.956	ug/L #	79

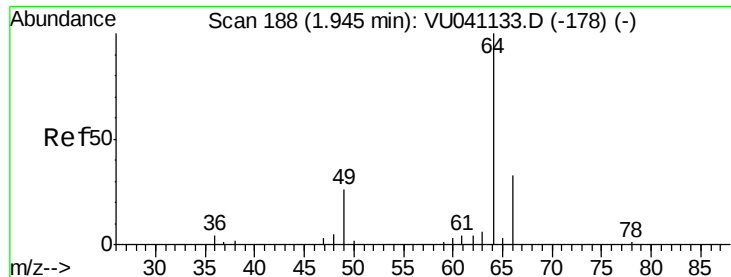
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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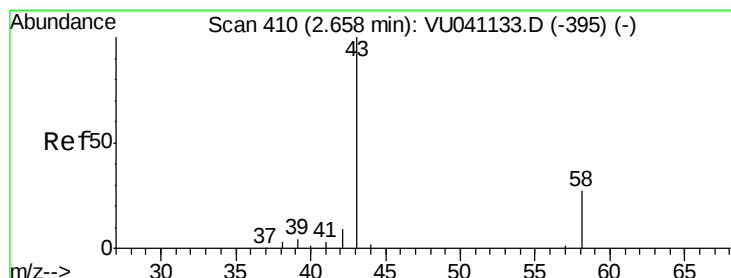
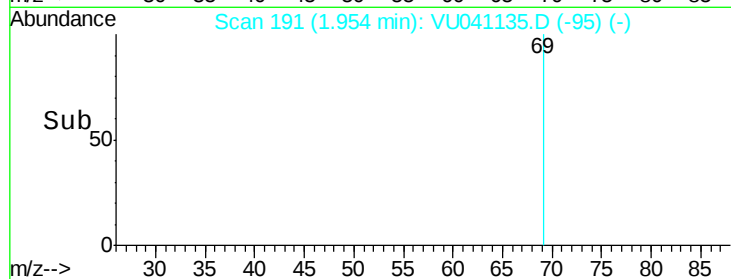
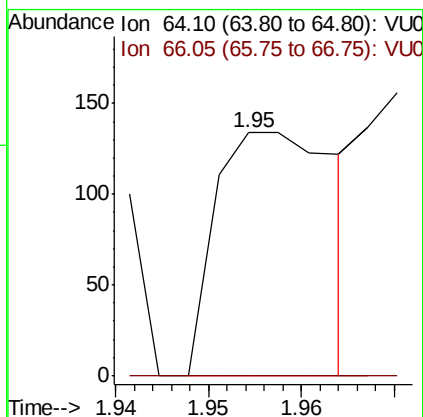
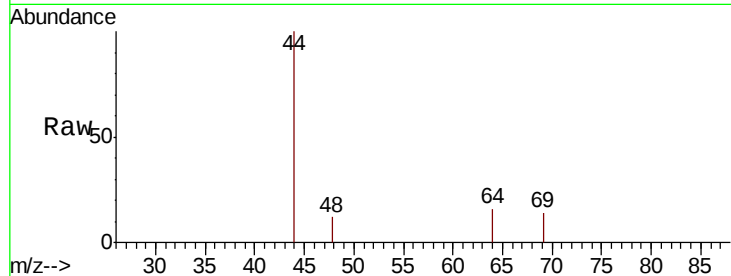




#8
Chloroethane
Concen: 0.038 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.01 min
Lab File: VU041135.D
Acq: 09 Nov 2020 13:07

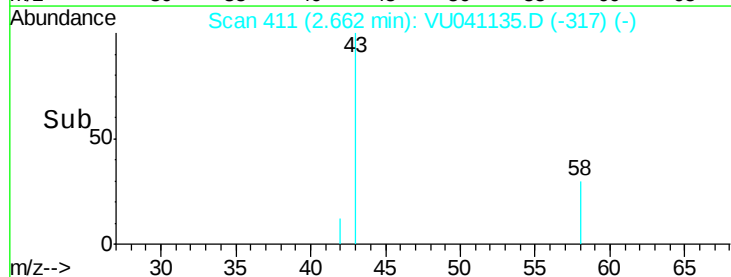
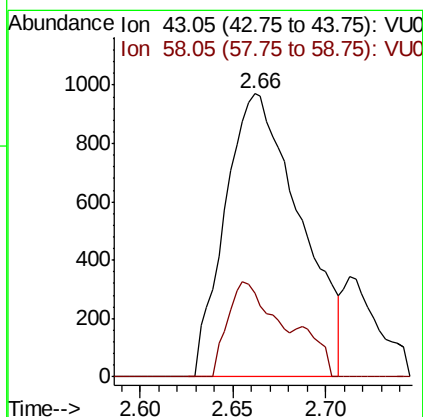
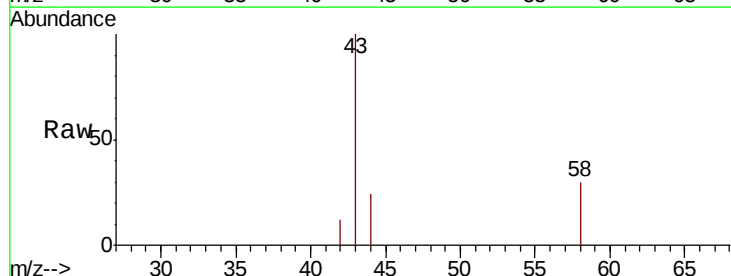
Instrument :
MSVOA_U
ClientSampled :
GB0F9

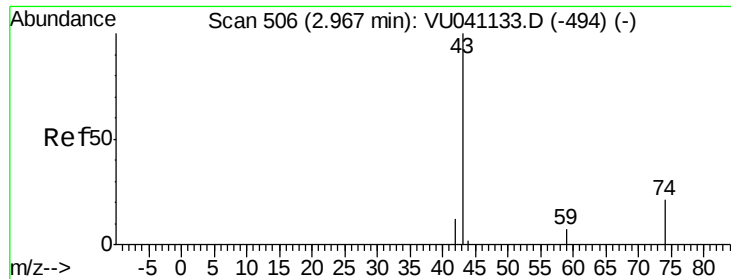
Tot Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#



#13
Acetone
Concen: 2.691 ug/L
RT: 2.66 min Scan# 411
Delta R.T. 0.00 min
Lab File: VU041135.D
Acq: 09 Nov 2020 13:07

Tgt Ion: 43 Resp: 2728
Ion Ratio Lower Upper
43 100
58 20.6 0.0 25.4





#15

Methyl Acetate

Concen: 0.193 ug/L

RT: 2.71 min Scan# 427

Delta R.T. -0.25 min

Lab File: VU041135.D

Acq: 09 Nov 2020 13:07

Instrument :

MSVOA_U

ClientSampled :

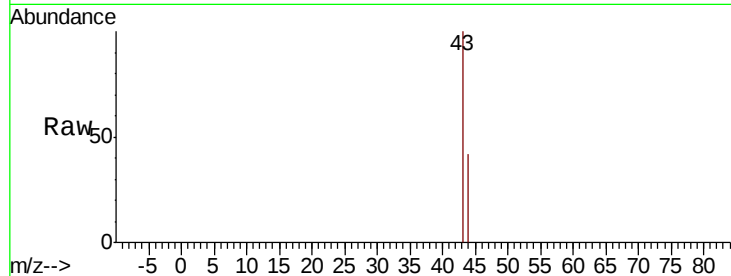
GB0F9

Tot Ion: 43 Resp: 448

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

600

500

400

300

200

100

0

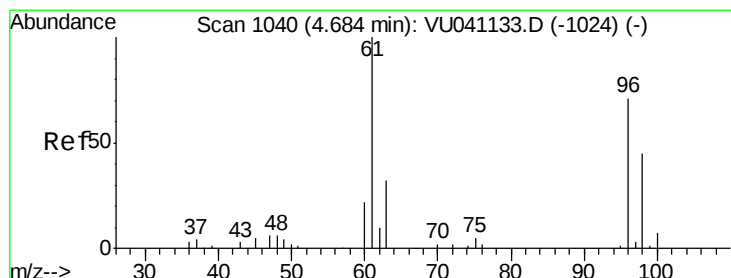
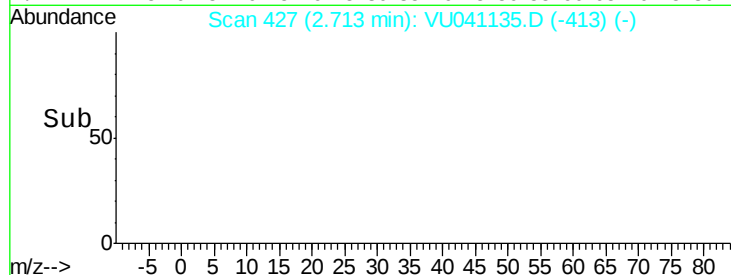
2.70

2.72

2.74

2.76

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.781 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041135.D

Acq: 09 Nov 2020 13:07

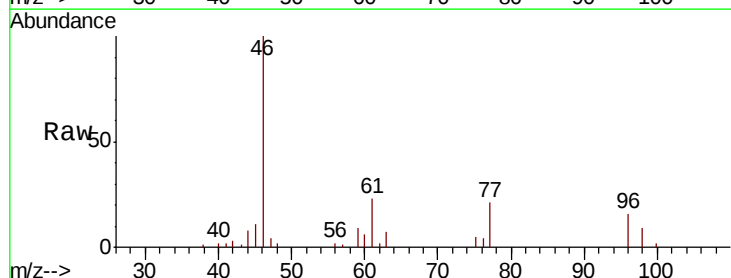
Tgt Ion: 96 Resp: 3100

Ion Ratio Lower Upper

96 100

61 143.6 97.2 180.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

3000

2500

2000

1500

1000

500

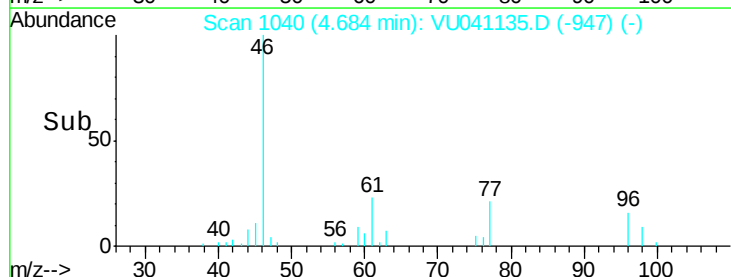
0

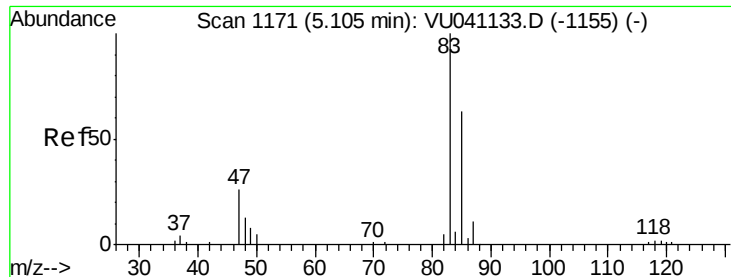
4.65

4.70

4.75

Time-->

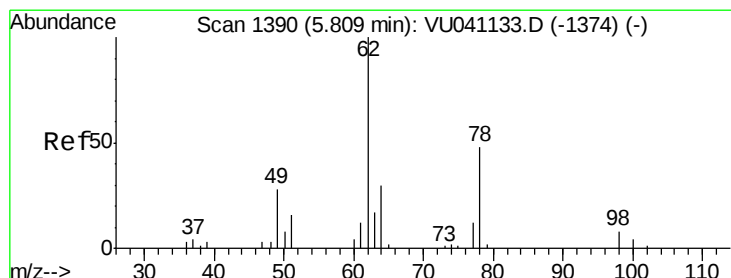
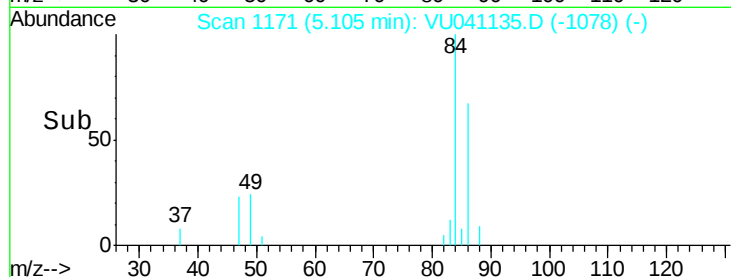
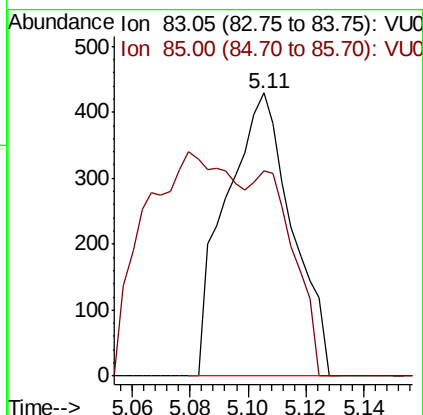
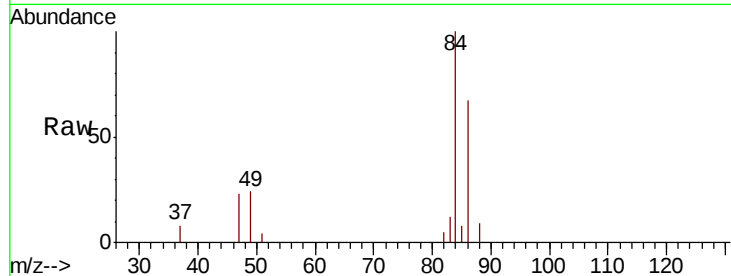




#25
Chloroform
Concen: 0.088 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041135.D
Acq: 09 Nov 2020 13:07

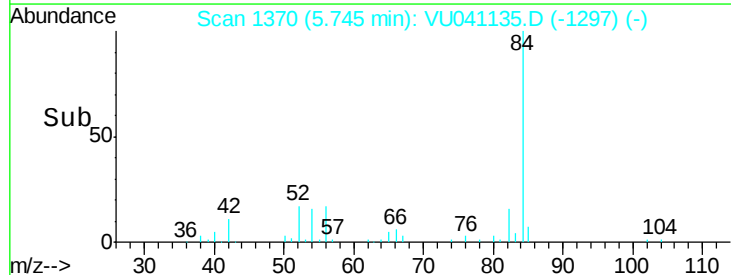
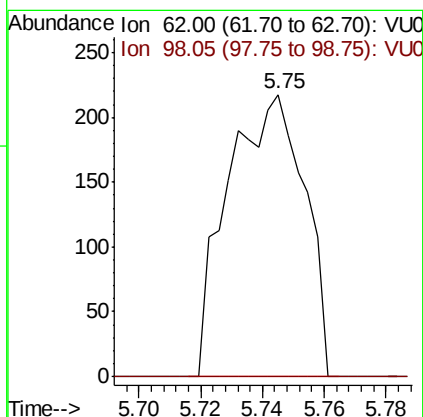
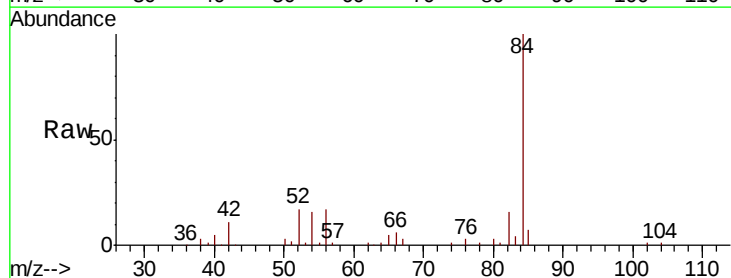
Instrument :
MSVOA_U
ClientSampleId :
GB0F9

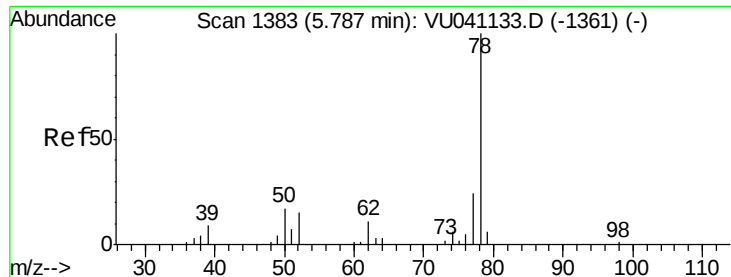
Tot Ion: 83 Resp: 678
Ion Ratio Lower Upper
83 100
85 72.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.065 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041135.D
Acq: 09 Nov 2020 13:07

Tgt Ion: 62 Resp: 374
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.024 ug/L

RT: 5.74 min Scan# 1368

Delta R.T. -0.05 min

Lab File: VU041135.D

Acq: 09 Nov 2020 13:07

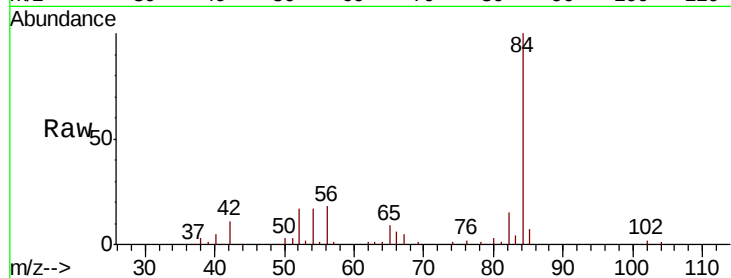
Instrument :

MSVOA_U

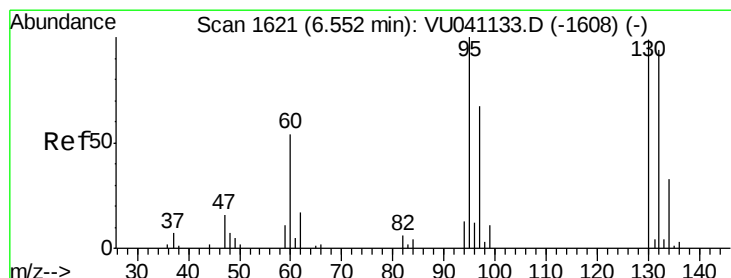
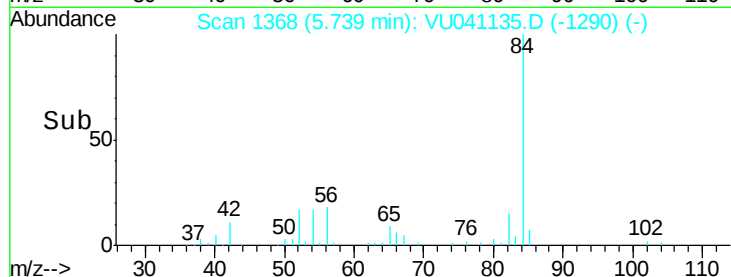
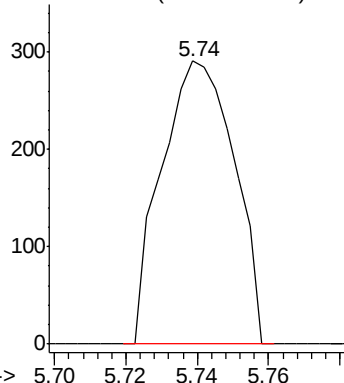
ClientSampleId :

GB0F9

Tgt Ion: 78 Resp: 409



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 2.958 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041135.D

Acq: 09 Nov 2020 13:07

Tgt Ion: 95 Resp: 12695

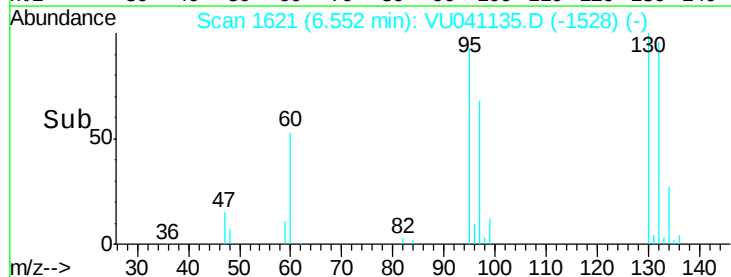
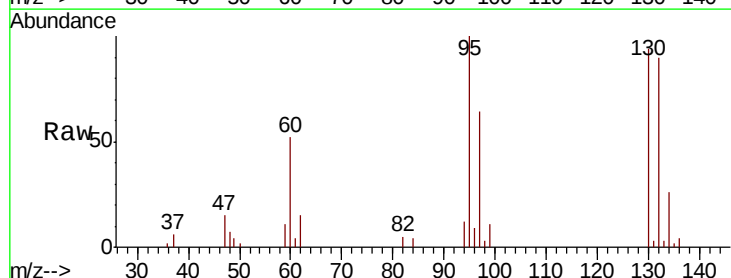
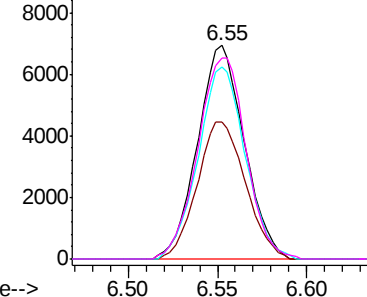
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.6	84.6
132	89.9	64.8	120.4
130	93.8	64.8	120.4

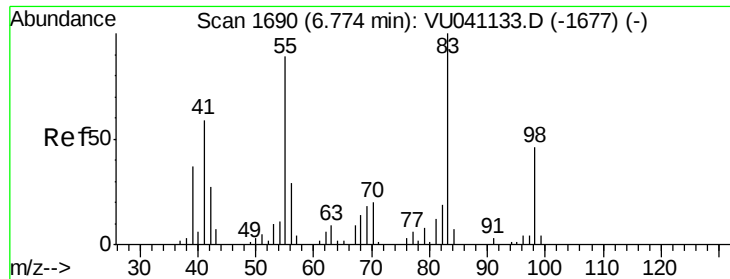
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

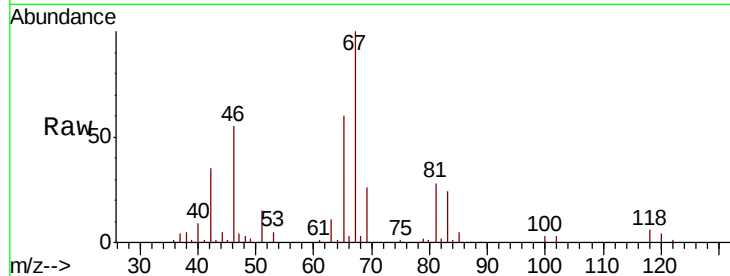




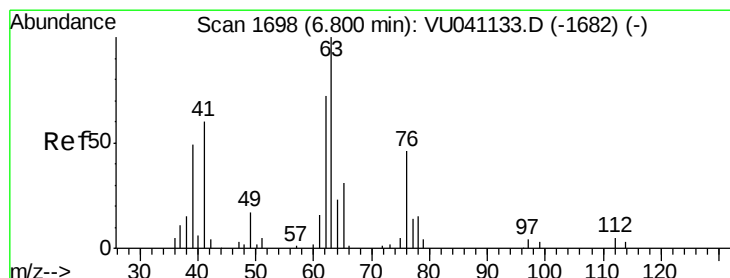
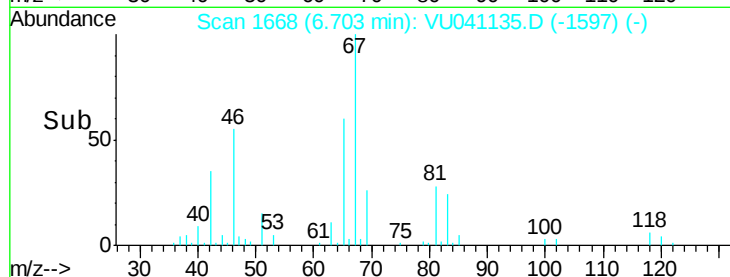
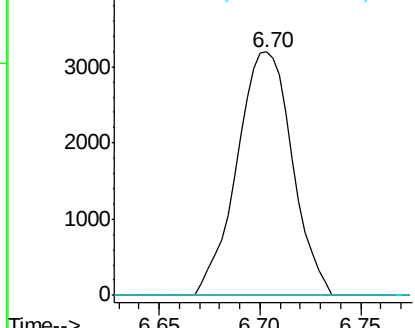
#35
Methvlcvclohexane
Concen: 0.956 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041135.D
Acq: 09 Nov 2020 13:07

Instrument :
MSVOA_U
ClientSampleId :
GB0F9

Tot Ion: 83 Resp: 6118
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 7.8 36.6 55.0#

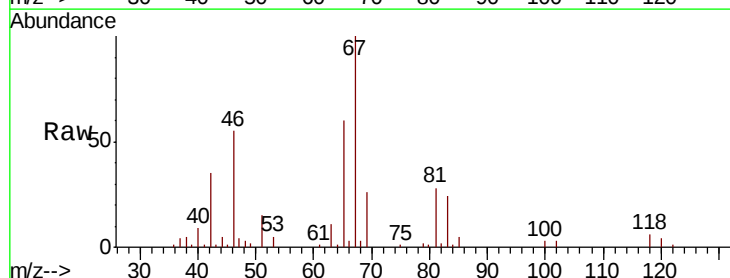


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

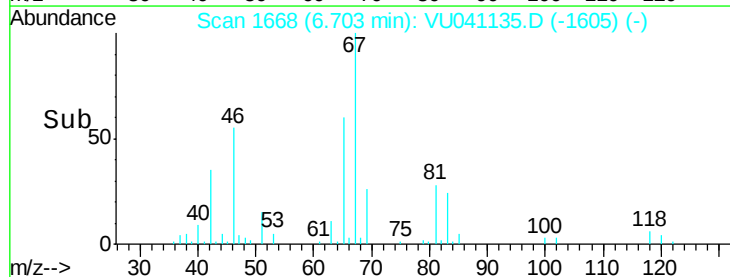
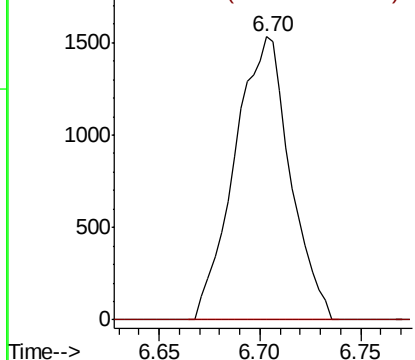


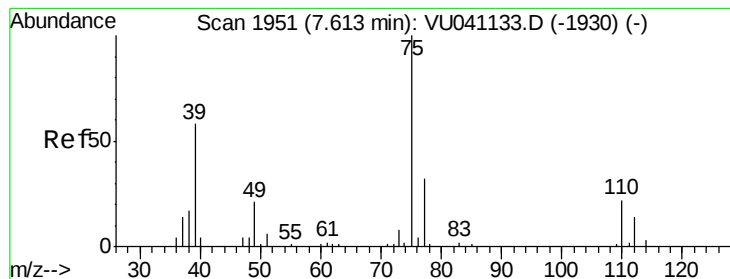
#37
1,2-Dichloropropane
Concen: 0.645 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041135.D
Acq: 09 Nov 2020 13:07

Tgt Ion: 63 Resp: 2945
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU041135.D

Acq: 09 Nov 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

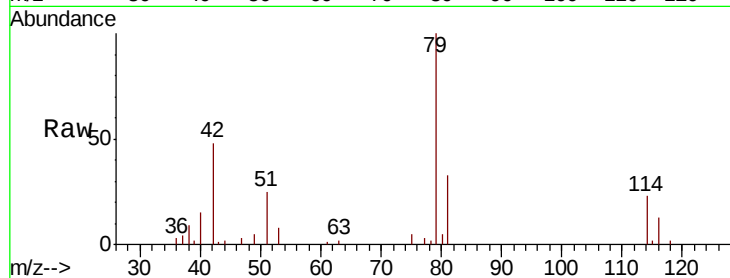
GB0F9

Tot Ion: 75 Resp: 682

Ion Ratio Lower Upper

75 100

77 50.2 22.7 42.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.57

400

300

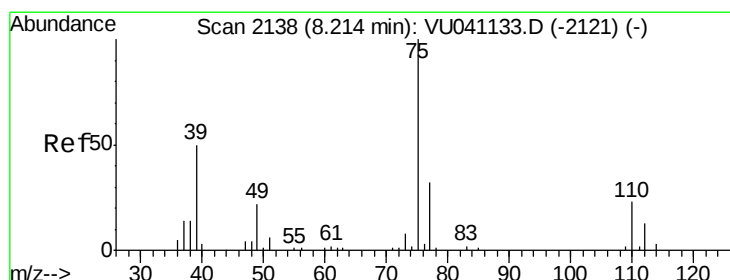
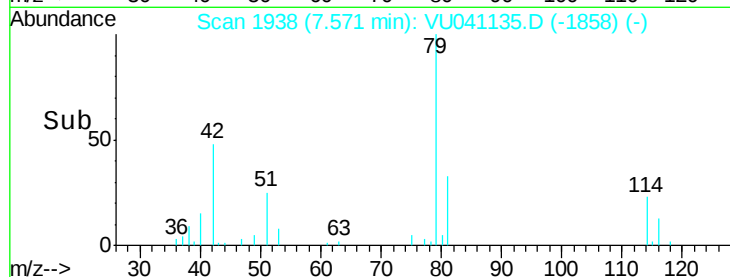
200

100

0

7.54 7.56 7.58 7.60

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.079 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041135.D

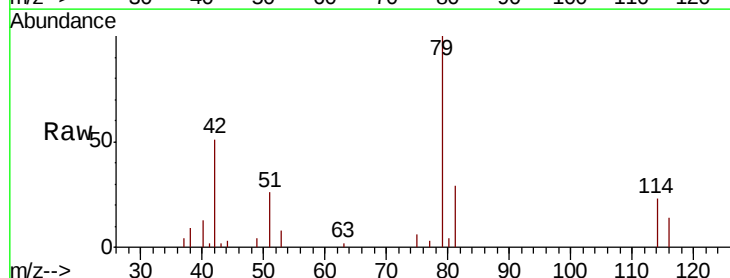
Acq: 09 Nov 2020 13:07

Tgt Ion: 75 Resp: 467

Ion Ratio Lower Upper

75 100

77 55.1 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.18

300

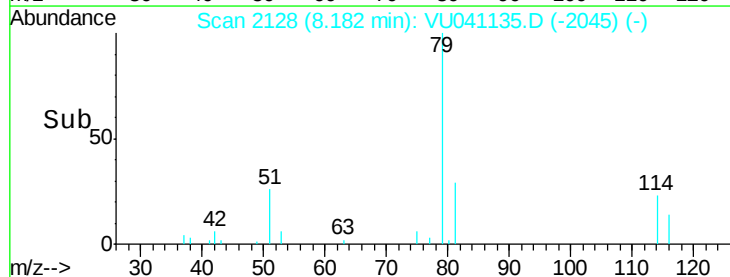
200

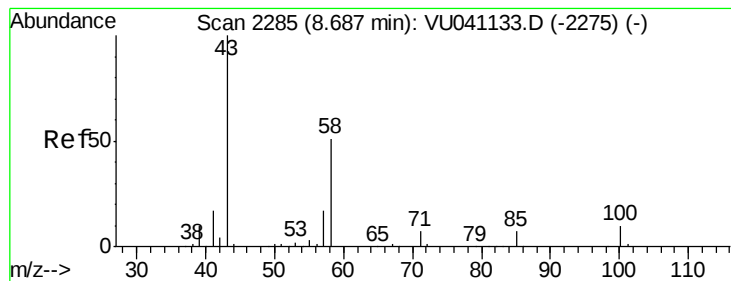
100

0

8.14 8.16 8.18 8.20 8.22

Time-->





#48

2-Hexanone

Concen: 3.069 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU041135.D

Acq: 09 Nov 2020 13:07

Instrument :

MSVOA_U

ClientSampleId :

GB0F9

Tot Ion: 43 Resp: 8407

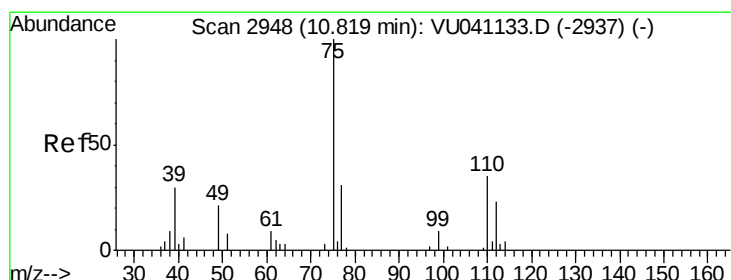
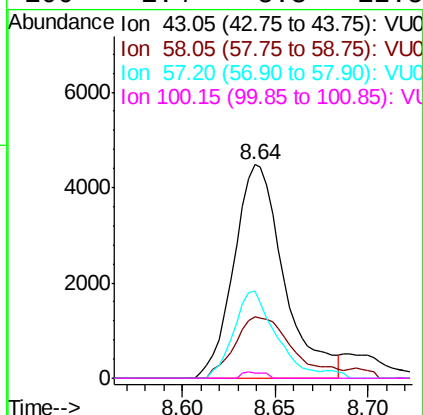
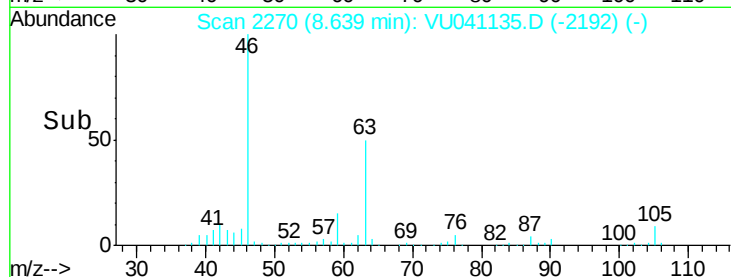
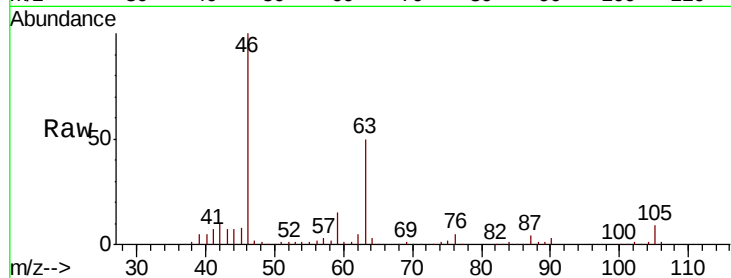
Ion Ratio Lower Upper

43 100

58 33.5 41.4 62.2#

57 34.4 14.6 21.8#

100 1.4 8.3 12.5#



#59

1,2,3-Trichloropropane

Concen: 0.956 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041135.D

Acq: 09 Nov 2020 13:07

Tgt Ion: 75 Resp: 3252

Ion Ratio Lower Upper

75 100

77 43.9 25.7 38.5#

